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**PLEASE NOTE**

The following pages contain application information for all PROTORQUE marine alternators. Within this section we provide suggestions based on application and original equipment manufacturer's part number to get you the alternator that we feel most closely represents the original equipment part on your engine.

While using our application guide to find the correct PROTORQUE alternator for your boat's engine, you may notice that some of the parts that we suggest have a symbol "•" after the PROTORQUE part number as shown circled below. This symbol simply means that PROTORQUE has other items in stock that will also work for this application.

<b>OMC</b>								
<b>ENGINES-MARINE</b>								
Inboard & V-Drive	2.5L	84-86	Delco System	DR	12	983424	PH300-0013	•
Inboard & V-Drive	3.0L	94-96	Mando System	MD	12	3860769	PH300-0010	•

**WHAT TO DO IF YOUR PART HAS THIS SYMBOL**

If the PROTORQUE part for your boat's application has this symbol "•", please turn to the very last page in our alternator application section. Once there, you will find our unit interchange, which provides all of our optional units for your part.

This is the most effective way for PROTORQUE customers to find higher output, chrome finish, original equipment, or economical versions of the alternators meant for their specific application.

**WHAT TO DO IF YOU CANNOT FIND A PART FOR YOUR APPLICATION**

We at PROTORQUE do our best to list all of the applications that we have available in our database, but due to the sheer volume of marine engines and the amount of years that we must cover, there may be instances where you cannot find your exact application.

If this occurs, please contact us directly at 609-654-6020 or toll free at 844-786-7783 and one of our customer service representatives will be happy to assist you in finding the part that you need.



# APPLICATIONS - MARINE ALTERNATORS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
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## ACADIA

INBOARD & STERNDRIVE							
Various Models		68-71		PS	12		PH300-0028

## BAUDOUIIN

ENGINES - MARINE							
D106	DIESEL	73-On	Motorola System	MO	24	9AR3743G	PH300-0023-OE
Various Models		All	Motorola System	MO	24	9AR3743G	PH300-0023-OE
Various Models	DIESEL	73-On	Valeo System	PR	24	A13N143M	PH300-0025-OE

## BMW

INBOARD ENGINES							
Various Models	B130 Engine	78-87	Valeo System	PR	12	A13N147M	PH300-0008
Various Models	B130 Engine	78-87	Valeo System	PR	12	A13N2M	PH300-0008
Various Models	B190 Engine	78-87	Valeo System	PR	12	A13N147M	PH300-0008
Various Models	B190 Engine	78-87	Valeo System	PR	12	A13N2M	PH300-0008
Various Models	B220 Engine	78-87	Valeo System	PR	12	A13N147M	PH300-0008
Various Models	B220 Engine	78-87	Valeo System	PR	12	A13N2M	PH300-0008

## BUKH

ENGINES-MARINE							
2G105	2.3L - 2251cc - Diesel Engine	All	Valeo System	PR	12	A13N147M	PH300-0008
2G105	2.3L - 2251cc - Diesel Engine	All	Valeo System	PR	12	A13N1M	PH300-0008
3G105	3.4L - 3381cc - Diesel Engine	All	Valeo System	PR	12	A13N147M	PH300-0008
3G105	3.4L - 3381cc - Diesel Engine	All	Valeo System	PR	12	A13N1M	PH300-0008
4K105	4.5L - 4500cc - Diesel Engine	75-On	Valeo System	PR	12	A13N1M	PH300-0008
6K105	6.8L - 6751cc - Diesel Engine	75-On	Valeo System	PR	12	A13N1M	PH300-0008
DV10	10HP - 2cyl - Diesel Engine	All	Valeo System	PR	12	A13N1M	PH300-0008
DV10ME	10HP - 2cyl - Diesel Engine	All	Valeo System	PR	12	A13N1M	PH300-0008
DV10SME	10HP - 2cyl - Diesel Engine	All	Valeo System	PR	12	A13N1M	PH300-0008
DV20	20HP - 2cyl - Diesel Engine	All	Valeo System	PR	12	A13N147M	PH300-0008
DV20	20HP - 2cyl - Diesel Engine	All	Valeo System	PR	12	A13N1M	PH300-0008
DV20	20HP - 2cyl - Diesel Engine	All	Valeo System	PR	24	A13N143M	PH300-0025-OE
DV20	20HP - 2cyl - Diesel Engine	All	Valeo System	PR	24	A13N36M	PH300-0025-OE
DV20ME	20HP - 2cyl - Diesel Engine	All	Valeo System	PR	12	A13N1M	PH300-0008
DV20SME	20HP - 2cyl - Diesel Engine	All	Valeo System	PR	12	A13N1M	PH300-0008
DV36	36HP - 3cyl - Diesel Engine	All	Valeo System	PR	12	A13N1M	PH300-0008
DV36	36HP - 3cyl - Diesel Engine	All	Valeo System	PR	24	A13N36M	PH300-0025-OE
DV36ME	36HP - 3cyl - Diesel Engine	All	Valeo System	PR	12	A13N147M	PH300-0008
DV36ME	36HP - 3cyl - Diesel Engine	All	Valeo System	PR	12	A13N1M	PH300-0008
DV36ME	36HP - 3cyl - Diesel Engine	All	Valeo System	PR	24	A13N143M	PH300-0025-OE
DV36SME	36HP - 3cyl - Diesel Engine	All	Valeo System	PR	12	A13N147N	PH300-0008
DV36SME	36HP - 3cyl - Diesel Engine	All	Valeo System	PR	24	A13N143M	PH300-0025-OE
DV48ME	Diesel Engines	All	Valeo System	PR	12	A13N147N	PH300-0008
DV48ME	Diesel Engines	All	Valeo System	PR	12	A13N1M	PH300-0008
DV48SME	Diesel Engines	All	Valeo System	PR	12	A13N147N	PH300-0008
DV48SME	Diesel Engines	All	Valeo System	PR	12	A13N1M	PH300-0008

## CHRIS CRAFT

ENGINES-MARINE							
All Models	283, 283-0 Corvette Engine	67	Match OEM #	PS	12	ALE5202	PH300-0028
All Models	283, 283-0 Corvette Engine	67	Match OEM #	PS	12	ALE5202Y	PH300-0028
All Models	283, 283-0 Corvette Engine	62-66	Match OEM #	PS	12	ALD5006	PH300-0028
All Models	283, 283-0 Corvette Engine	62-66	Match OEM #	PS	12	ALE5202	PH300-0028
All Models	283, 283-0 Corvette Engine	61	Match OEM #	PS	12	ALD5006	PH300-0028
All Models	283F Corvette Engine	63-66	Match OEM #	PS	12	ALD5006	PH300-0028
All Models	283F Corvette Engine	63-66	Match OEM #	PS	12	ALE5202B	PH300-0028
All Models	283F Corvette Engine	61-62	Match OEM #	PS	12	ALD5006	PH300-0028
All Models	307-327 Corvette Engine	63-66	Match OEM #	PS	12	ALD5006	PH300-0028
All Models	307-327 Corvette Engine	63-66	Match OEM #	PS	12	ALE5202B	PH300-0028
All Models	307-327 Corvette Engine	61-62	Match OEM #	PS	12	ALD5006	PH300-0028

## CHRYSLER

ENGINES-MARINE IB & STERNDRIVE							
Various Models	Chrysler Engines	85-On	Motorola - w/ Tach Hookup	MO	12	8EM2007KA	PH300-0010
Various Models	Chrysler Engines	79-On	Motorola - w/ Tach Hookup	MO	12	8MR2049K	PH300-0010
Various Models	LM318X	70-88	Prestolite (Opt)	PS	12	ANE5202S	PH300-0028
Various Models	LM318X	70-88	Prestolite (Opt)	PS	12	ANE5202YS	PH300-0028
Various Models	LM318X	70-88	Prestolite (Std)	PS	12	ANE5201S	PH300-0028
Various Models	LM340X	70-88	Prestolite (Opt)	PS	12	ANE5202S	PH300-0028
Various Models	LM340X	70-88	Prestolite (Opt)	PS	12	ANE5202YS	PH300-0028
Various Models	LM340X	70-88	Prestolite (Std)	PS	12	ANE5201S	PH300-0028
Various Models	LM383X	70-88	Prestolite (Opt)	PS	12	ANE5202S	PH300-0028
Various Models	LM383X	70-88	Prestolite (Opt)	PS	12	ANE5202YS	PH300-0028
Various Models	M265	74-88	Prestolite (Opt)	PS	12	ANE5202YS	PH300-0028

PROTORQUE - Marine Alternators



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## APPLICATIONS - MARINE ALTERNATORS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	•
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### CHRYSLER - continued

#### ENGINES-MARINE IB & STERNDRIVE - continued

Various Models	M265	70-73	Prestolite (Opt)	PS	12	ANES202YS	PH300-0028	•
Various Models	M265	70-73	Prestolite (Std)	PS	12	ANES201S	PH300-0028	•
Various Models	M273X	70-88	Prestolite (Opt)	PS	12	ANES202S	PH300-0028	•
Various Models	M273X	70-88	Prestolite (Opt)	PS	12	ANES202YS	PH300-0028	•
Various Models	M273X	70-88	Prestolite (Std)	PS	12	ANES201S	PH300-0028	•
Various Models	Gas	85-On	2nd Prod. w/ Tach Hookup	MO	12	8E02007KA	PH300-0010	•
Various Models	Gas	79-On	1st Prod. w/ Tach Hookup	MO	12	8MR2049K	PH300-0010	•

### CRUSADER

#### ENGINES-MARINE

305	8 Cyl., 305CI, 5.0L	02-08	6-Groove Pulley	DR	12	RA097007C	PH300-0043	
305	9 Cyl., 305CI, 5.0L	02-04	1-V Pulley	DR	12	19020608	PH300-0032	
305	8 Cyl., 305CI, 5.0L	99-03	Mando 55A Alternator	MD	12	A000B0341	PH300-0009	
350	8 Cyl., 350CI, 5.7L	02-08	6-Groove Pulley	DR	12	RA097007C	PH300-0043	
350	8 Cyl., 350CI, 5.7L	02-04	1-V Pulley	DR	12	19020608	PH300-0032	
350	8 Cyl., 350CI, 5.7L	99-03	Mando 55A Alternator	MD	12	A000B0341	PH300-0009	
364	8 Cyl., 364CI, 6.0L	99-08	6-Groove Pulley; 9:00 Plug	DR	12	8400027	PH300-0043	
454	8 Cyl., 454CI, 7.4L	All	6-Groove Pulley	DR	12	19020606	PH300-0041	
496	8 Cyl., 496CI, 8.1L	01-08	6-Groove Pulley	DR	12	19020606	PH300-0041	
496	8 Cyl., 496CI, 8.1L	01-08	1-V Pulley	DR	12	19020608	PH300-0032	
Various Models	Various Engines	All	Delco 10SI 1-Wire	DR	12	1102496	PH300-0013	•
Various Models	Various Engines	All	Delco 7SI System	DR	12	19020617	PH300-0042	
Various Models	Various Engines	All	Delco 7SI System	DR	12	RA097007	PH300-0041	
Various Models	Various Engines	All	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Various Models	Various Engines	All	Mando 65A Alternator	MD	12	AC165618	PH300-0014	
Various Models	Various Engines	All	Motorola - 3 Adjusting Holes	MO	12	8EA2001FA	PH300-0009	
Various Models	Various Engines	All	Motorola - 3 Hole w/ Tach Hookup	MO	12	8MR2199K	PH300-0009	
Various Models	Various Engines	All	Prestolite System	PS	12	ALE5202	PH300-0028	•
Various Models	Various Engines	All	Prestolite System	PS	12	ALE5204	PH300-0028	•

### CUMMINS MERCUISER

#### INBOARD

EI 165	4 Cyl., 169CI, 2.8L	04-05		MD	12	AC165617	PH300-0012	•
EI 250	6 Cyl., 252CI, 4.2L	04-05		MD	12	AC165617	PH300-0012	•
EI 300	6 Cyl., 252CI, 4.2L	04-05		MD	12	AC165617	PH300-0012	•

#### STERNDRIVE

ES 165	4 Cyl., 169CI, 2.8L	04-05		MD	12	AC165617	PH300-0012	•
ES 250	6 Cyl., 252CI, 4.2L	04-05		MD	12	AC165617	PH300-0012	•
ES 300	6 Cyl., 252CI, 4.2L	04-05		MD	12	AC165617	PH300-0012	•

### DAF

#### ENGINES-MARINE

Various Models		All	Paris Rhone System	PR	24	A13N143M	PH300-0025-OE	
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### EVINRUDE

#### ENGINES-MARINE OUTBOARD

All Models	80,120,155,185,200,210 HP	68	Alternator Equipped	PS	12	ALK6207	PH300-0007	
All Models	80,90,120,155,210,235,250 HP	68-76	Alternator Equipped	PS	12	ALK6210	PH300-0007	
All Models	110,120,150,200 HP	63-65	Alternator Equipped	PS	12	ALE5203	PH300-0028	•
All Models	Buick V6 Engine	75-82	Alternator Equipped	PS	12	ALK6222	PH300-0007	
All Models	Chevrolet V8 Engine	75-82	Alternator Equipped	PS	12	ALK6222	PH300-0007	
All Models	OMC 4 Cyl Engine	75-82	Alternator Equipped	PS	12	ALK6222	PH300-0007	

### FARYMAN

#### ENGINES-MARINE

A30M	Diesel	73-On	Motorola System	MO	12	9AR2775F	PH300-0024-OE	
K34M	Diesel	73-On	Motorola System	MO	12	9AR2775F	PH300-0024-OE	
L38M	Diesel	73-On	Motorola System	MO	12	9AR2775F	PH300-0024-OE	
Various Models		All	Motorola System	MO	12	9AR2775F	PH300-0024-OE	

### FORD FORNAUT

#### INBOARD

2713E		75-On	Motorola System	MO	24	9AR3791G	PH300-0023-OE	
2713E		75-On	Motorola System	MO	24	9AR3711G	PH300-0023-OE	
2714E		75-On	Motorola System	MO	24	9AR3791G	PH300-0023-OE	
2714E		75-On	Motorola System	MO	24	9AR3711G	PH300-0023-OE	
2715E		75-On	Motorola System	MO	24	9AR3791G	PH300-0023-OE	

### GLASTRON

#### INBOARD

Various		72-On	Motorola System	MO	12	8MR2022K	PH300-0009	
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# APPLICATIONS - MARINE ALTERNATORS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
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## GLENWOOD

INBOARD								
Various		89-On	Motorola System	MO	12	8EM2007K	PH300-0010	•

## GUARDIAN

INBOARD								
Various		77-On		MO	12	8MR2022K	PH300-0009	

## HANSEN

INBOARD & STERNDRIVE								
Various		89-On	w/3 Hole Mount w/ Tach Hookup	PS	12	8MR2199K	PH300-0009	

## HARDIN

STERNDRIVE								
Various		85-On	w/1 Hole Mount w/ Tach Hookup	MO	12	8EM2007K	PH300-0010	•
Various		85-On	w/3 Hole Mount w/ Tach Hookup	MO	12	8MR2199K	PH300-0009	
Various		78-On	w/3 Hole Mount w/ Tach Hookup	MO	12	8MR2022K	PH300-0009	
Various		72-On	w/ Spark Arrestor Screen	DR	12		PH300-0013	•

## INDMAR

INBOARD & STERNDRIVE								
Various		85-On	w/1 Hole Mount w/ Tach Hookup	MO	12	8EM2007K	PH300-0010	•
Various		78-On	w/3 Hole Mount w/ Tach Hookup	MO	12	8MR2022K	PH300-0009	

## JACUZZI JET

STERNDRIVE								
Various		85-On	w/1 Hole Mount w/ Tach Hookup	MO	12	8EM2007K	PH300-0010	•
Various		72-On	w/3 Hole Mount w/ Tach Hookup	MO	12	8MR2199K	PH300-0009	
Various		78-On	w/3 Hole Mount w/ Tach Hookup	MO	12	8MR2022K	PH300-0009	
Various		72-On	w/ Spark Arrestor Screen	DR	12		PH300-0013	•

## JOHNSON

ENGINES-MARINE								
All Models	Buick V6 Engine	75-82	Alternator Equipped	PS	12	ALK6222	PH300-0007	
All Models	Chevrolet V8 Engine	75-82	Alternator Equipped	PS	12	ALK6222	PH300-0007	
All Models	OMC 4cyl Engine	75-82	Alternator Equipped	PS	12	ALK6222	PH300-0007	
All Models	Various Engines	69-76	Alternator Equipped	PS	12	ALK6210	PH300-0007	
All Models	Various Engines	68	Alternator Equipped	PS	12	ALK6210	PH300-0007	
All Models	Various Engines	68	Alternator Equipped	PS	12	ALK6207	PH300-0007	
All Models	Various Engines	63-65	Alternator Equipped	PS	12	ALE5203	PH300-0028	•

## LEHMAN

INBOARD								
4D242	4 Cyl. Diesel	73-On	w/3 Hole Mount w/ Tach Hookup	MO	12	8MR2022K	PH300-0009	
4D254	4 Cyl. Diesel	73-On	2nd Prod. w/ Tach Hookup	MO	12	8EM2007K	PH300-0010	•
6D363, TC	6 Cyl. Diesel	73-On	2nd Prod. w/ Tach Hookup	MO	12	8EM2007K	PH300-0010	•

## LUCAS

MARINE ALTERNATORS								
Various Models	Various Engines	85-On		MD	12	AC165610	PH300-0016	•
Various Models	Various Engines	85-On		MD	12	AC165616	PH300-0016	•
Various Models	Various Engines	85-On		MD	12	AC165617	PH300-0012	•
Various Models	Various Engines	85-On		MD	12	AC165618	PH300-0014	
Various Models	Various Engines	98-On		MD	12	AC165622	PH300-0017	•
Various Models	Various Engines	85-On		MD	12	AC155603	PH300-0010	•
Various Models	Various Engines	85-On		MD	12	AC155604	PH300-0010	•
Various Models	Various Engines	85-On		MD	12	AC155616	PH300-0011	•
Various Models	Various Engines	85-On		MD	12	AR150AA	PH300-0010	•
Various Models	Various Engines	85-On		MD	12	AR150BA	PH300-0010	•

## MANDO

MARINE ALTERNATORS								
Various Models	Various Engines	85-On		MD	12	AC165610	PH300-0016	•
Various Models	Various Engines	85-On		MD	12	AC165616	PH300-0016	•
Various Models	Various Engines	85-On		MD	12	AC165617	PH300-0012	•
Various Models	Various Engines	85-On		MD	12	AC165618	PH300-0014	
Various Models	Various Engines	98-On		MD	12	AC165622	PH300-0017	•
Various Models	Various Engines	85-On		MD	12	AC155603	PH300-0010	•
Various Models	Various Engines	85-On		MD	12	AC155604	PH300-0010	•
Various Models	Various Engines	85-On		MD	12	AC155616	PH300-0011	•
Various Models	Various Engines	85-On		MD	12	AR150AA	PH300-0010	•
Various Models	Various Engines	85-On		MD	12	AR150BA	PH300-0010	•

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## APPLICATIONS - MARINE ALTERNATORS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
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### MARINE POWER

#### INBOARD & STERNDRIVE

Various Models		97-On	Delco 7SI System	DR	12	19020616	PH300-0044
Various		89-On	w/3 Hole Mount w/ Tach Hookup	MO	12	8MR2199K	PH300-0009

### MARINER

#### ENGINES-MARINE OUTBOARD

200 (DFI)	All	All	Ser. T178500-On	DR	12	875285T1	PH300-0030
200 (DFI)	All	All	Ser. G386496-On	ND	12	828506	PH300-0021
225 (CARB)	GM 3.0L - 183ci - 6cyl	All	All	ND	12	821663-1	PH300-0019
225 (DFI)	All	All	Ser. G59000-On	ND	12	828506	PH300-0021
225 (DFI)	All	All	Ser. T178500-On	DR	12	875285T1	PH300-0030
225 (EFI)	GM 3.0L - 183ci - 6cyl	All	All	ND	12	821663-1	PH300-0019
225 SEA PRO (CARB)	GM 3.0L - 183ci - 6cyl	All	All	ND	12	821663-1	PH300-0019
250 (EFI)	GM 3.0L - 183ci - 6cyl	All	All	ND	12	821663-1	PH300-0019
V-115 (DFI)	GM 2.5L - 153ci - 4cyl	All	All	DR	12	857006T	PH300-0030
V-135 (DFI)	GM 2.5L - 153ci - 4cyl	All	Ser. G59000-On	DR	12	857006T	PH300-0030
V-135 (DFI)	GM 2.5L - 153ci - 4cyl	All	Ser. T178500-On	DR	12	875285T1	PH300-0030
V-150 (DFI)	GM 2.5L - 153ci - 4cyl	All	Ser. G59000-On	DR	12	857006T	PH300-0030
V-150 (DFI)	GM 2.5L - 153ci - 4cyl	All	Ser. T178500-On	DR	12	875285T1	PH300-0030
V-175 (DFI)	GM 2.5L - 153ci - 4cyl	All	All	DR	12	875285T1	PH300-0030

### MEDALIST

#### INBOARD

Various		89-On	w/1 Hole Mount w/ Tach Hookup w/ Radio Suppression	MO	12	8EM2007K	PH300-0010
Various		73-On	w/3 Hole Mount w/ Tach Hookup	MO	12	8MR2022K	PH300-0009

### MERCURUISER

#### DIESEL ENGINES

7.3L (Bravo & MIE)	IHC 7.3L - 444ci - 8cyl	94-98	Mando 65A Alternator	MD	12	AC165610	PH300-0016
D2.8L D-Tronic (Bravo & MIE)	VM 2.8L - 169ci - 4cyl	97-99	Mando 65A Alternator	MD	12	AC165610	PH300-0016
D3.0L Bravo	VM 3.0L - 183ci - 5cyl	94-97	Mando 65A Alternator	MD	12	AC165610	PH300-0016
D3.0L MIE	VM 3.0L - 183ci - 5cyl	94-95	Mando 65A Alternator	MD	12	AC165610	PH300-0016
D3.6L Bravo	VM 3.6L - 219ci - 6cyl	94-96	Mando 65A Alternator	MD	12	AC165610	PH300-0016
D3.6L MIE	VM 3.6L - 219ci - 6cyl	94-96	Mando 65A Alternator	MD	12	AC165610	PH300-0016
D3.6L W Bravo (Export)	VM 3.6L - 219ci - 6cyl	96-On	Mando 65A Alternator	MD	12	AC165610	PH300-0016
D4.2L Bravo	VM 4.2L - 254ci - 6cyl	94-95	Mando 65A Alternator	MD	12	AC165610	PH300-0016
D4.2L MIE	VM 4.2L - 254ci - 6cyl	94-95	Mando 65A Alternator	MD	12	AC165610	PH300-0016
D4.2L / 250 D-Tronic	VM 4.2L - 254ci - 6cyl	97-99	Mando 65A Alternator	MD	12	AC165610	PH300-0016

#### HI-PERFORMANCE ENGINES

377 Scorpion	GM 6.2L - 377ci - 8cyl	97-On	Delco 7SI System	DR	12	19020612	PH300-0035
377 Scorpion (Gen+) (Ski)	GM 6.2L - 377ci - 8cyl	97-On	Mando 65A Alternator	MD	12	AC165617	PH300-0012
377 Scorpion HO EC	GM 6.2L - 377ci - 8cyl	00-On	Delco 7SI System	DR	12	19020612	PH300-0035
377 Scorpion Sterndrive	GM 6.2L - 377ci - 8cyl	00-On	Mando 65A Alternator	MD	12	AC165617	PH300-0012
420	GM 7.4L - 454ci - 8cyl	87-89	Mando 55A Alternator	MD	12	AC155603	PH300-0010
420	GM 7.4L - 454ci - 8cyl	87-89	Mando 55A Alternator	MD	12	AR150AA	PH300-0010
425	GM 7.4L - 454ci - 8cyl	90-92	Mando 55A Alternator	MD	12	AC155603	PH300-0010
425	GM 7.4L - 454ci - 8cyl	90-92	Mando 55A Alternator	MD	12	AR150AA	PH300-0010
425 (Gen V)	GM 7.4L - 454ci - 8cyl	92-93	Mando 55A Alternator	MD	12	AC155603	PH300-0010
425 (Gen V)	GM 7.4L - 454ci - 8cyl	92-93	Mando 55A Alternator	MD	12	AR150AA	PH300-0010
450 (Gen V)	GM 7.4L - 454ci - 8cyl	95-96	Mando 55A Alternator	MD	12	AC155603	PH300-0010
465	GM 8.2L - 502ci - 8cyl	90-92	Mando 55A Alternator	MD	12	AC155603	PH300-0010
465	GM 8.2L - 502ci - 8cyl	90-92	Mando 55A Alternator	MD	12	AR150AA	PH300-0010
465 (Gen V)	GM 8.2L - 502ci - 8cyl	92-94	Mando 55A Alternator	MD	12	AC155603	PH300-0010
465 (Gen V)	GM 8.2L - 502ci - 8cyl	92-94	Mando 55A Alternator	MD	12	AR150AA	PH300-0010
500 (Gen +)	GM 8.2L - 502ci - 8cyl	99-00	Mando 55A Alternator	MD	12	AC155603	PH300-0010
500 (Gen V)	GM 8.2L - 502ci - 8cyl	94-96	Mando 55A Alternator	MD	12	AC155603	PH300-0010
500 (Gen VI)	GM 8.2L - 502ci - 8cyl	97-98	Mando 55A Alternator	MD	12	AC155603	PH300-0010
500 Bulldog	GM 8.9L - 540ci - 8cyl	90-01	Mando 55A Alternator	MD	12	AC155603	PH300-0010
500 EFI	GM 8.2L - 502ci - 8cyl	00-02	Delco 70A Alternator	DR	12	19020612	PH300-0035
525 EFI	GM 8.2L - 502ci - 8cyl	00-02	Delco 70A Alternator	DR	12	19020612	PH300-0035
525SC	GM 7.4L - 454ci - 8cyl	91-92	Mando 55A Alternator	MD	12	AC155603	PH300-0010
525SC	GM 7.4L - 454ci - 8cyl	91-92	Mando 55A Alternator	MD	12	AR150AA	PH300-0010
525SC (Gen V)	GM 7.4L - 454ci - 8cyl	96	Mando 55A Alternator	MD	12	AC155603	PH300-0010
525SC (Gen V)	GM 7.4L - 454ci - 8cyl	92-95	Mando 55A Alternator	MD	12	AC155603	PH300-0010
525SC (Gen V)	GM 7.4L - 454ci - 8cyl	92-95	Mando 55A Alternator	MD	12	AR150AA	PH300-0010
525SC (Gen VI)	GM 7.4L - 454ci - 8cyl	97-On	Mando 55A Alternator	MD	12	AC155603	PH300-0010
575	GM 8.9L - 540ci - 8cyl	85-92	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010
575SCI	GM 8.2L - 502ci - 8cyl	00-On	S/N 0M900000-0M950526	DR	12	19020703	PH300-0030
600SC (Gen IV & V)	GM 8.2L - 502ci - 8cyl	91-96	Mando 55A Alternator	MD	12	AC155603	PH300-0010
600SC (Gen VI)	GM 8.2L - 502ci - 8cyl	97-98	Mando 55A Alternator	MD	12	AC155603	PH300-0010
600SCI	GM 8.2L - 502ci - 8cyl	02-On	Delco 70A Alternator	DR	12	19020612	PH300-0035
662SCI	GM 8.2L - 502ci - 8cyl	02-On	Delco 70A Alternator	DR	12	19020612	PH300-0035
700SCI	GM 8.2L - 502ci - 8cyl	02-On	Delco 70A Alternator	DR	12	19020612	PH300-0035
800SC (Gen V)	GM 9.4L - 472ci - 8cyl	93-98	Mando 55A Alternator	MD	12	AC155603	PH300-0010



# APPLICATIONS - MARINE ALTERNATORS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>INBOARD ENGINES</b>								
9005C	GM 9.0L - 542ci - 8cyl	99-02	Delco (Korean) 65A Alt	DR	12	19020600	PH300-0033	
5.0L (4-BBL)	GM 5.0L - 305ci - 8cyl	87-95	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
5.0L (4-BBL)	GM 5.0L - 305ci - 8cyl	87-95	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
5.7L EFI (Gen +)	GM 5.7L - 350ci - 8cyl	98-On	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034	
5.7L EFI (Gen +)	GM 5.7L - 350ci - 8cyl	98-On	Delco (Korean) 70A Alt	DR	12	19020612	PH300-0035	
5.7L EFI (Gen +)	GM 5.7L - 350ci - 8cyl	98-On	Mando 55A Alternator	MD	12	AC155616	PH300-0011	•
5.7L EFI (Gen +) MIE	GM 5.7L - 350ci - 8cyl	97-On	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034	
5.7L EFI (Gen +) MIE	GM 5.7L - 350ci - 8cyl	97-On	Mando 55A Alternator	MD	12	AC165617	PH300-0012	•
5.7L MIE	GM 5.7L - 350ci - 8cyl	99-On	Delco 70A - s/n 01677227 & Up	DR	12	19020612	PH300-0035	
5.7L MIE	GM 5.7L - 350ci - 8cyl	99-On	Delco 65A - s/n 01677226 & Below	DR	12	19020601	PH300-0034	
5.7L MIE	GM 5.7L - 350ci - 8cyl	99-On	Mando 55A Alternator	MD	12	AC155616	PH300-0011	•
5.7L MIE	GM 5.7L - 350ci - 8cyl	97-98	Mando 55A Alternator	MD	12	AC155616	PH300-0011	•
5.7L MIE	GM 5.7L - 350ci - 8cyl	96	Mando 55A Alternator	MD	12	AC155603	PH300-0010	•
5.7L MIE	GM 5.7L - 350ci - 8cyl	94-95	Mando 55A Alternator	MD	12	AC155603	PH300-0010	•
5.7L MIE	GM 5.7L - 350ci - 8cyl	94-95	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
5.7L MIE	GM 5.7L - 350ci - 8cyl	88-93	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
5.7L MIE	GM 5.7L - 350ci - 8cyl	88-93	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
7.4L MIE (LH) (Gen V)	GM 7.4L - 454ci - 8cyl	92-96	Mando 55A Alternator	MD	12	AC155603	PH300-0010	•
7.4L MIE (LH) (Gen V)	GM 7.4L - 454ci - 8cyl	92-96	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
7.4L MIE (LH) (Gen V)	GM 7.4L - 454ci - 8cyl	92-96	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
7.4L MIE (LH) (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
7.4L MIE (LH) w/ Hurth MK4	GM 7.4L - 454ci - 8cyl	89-92	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
7.4L MIE (LH) w/ Hurth MK4	GM 7.4L - 454ci - 8cyl	89-92	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
7.4L MIE MPI (L29) (Gen VI)	GM 7.4L - 454ci - 8cyl	98-00	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034	
7.4L MIE MPI (L29) (Gen VI)	GM 7.4L - 454ci - 8cyl	98-00	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
7.4L MIE MPI (LH) (Gen V)	GM 7.4L - 454ci - 8cyl	95-96	Mando 65A Alternator	MD	12	AC165610	PH300-0016	•
7.4L MIE MPI (LH) (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Mando 65A Alternator	MD	12	AC16510	PH300-0016	•
7.4L MIE TBI (LH) (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Mando 65A Alternator	MD	12	AC16510	PH300-0016	•
7.4L MIE w/ Borg Warner	GM 7.4L - 454ci - 8cyl	88-92	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010	•
7.4L MIE w/ Borg Warner	GM 7.4L - 454ci - 8cyl	88-92	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010	•
8.1S HO	GM 8.1L - 496ci - 8cyl	01-On	Delco (Korean) 70A Alt	DR	12	19020612	PH300-0035	
8.1S Horizon	GM 8.1L - 496ci - 8cyl	01-On	Delco (Korean) 70A Alt	DR	12	19020612	PH300-0035	
8.2L MIE (Gen V)	GM 8.2L - 502ci - 8cyl	93-96	Mando 55A Alternator	MD	12	AC155603	PH300-0010	•
8.2L MIE (Gen V)	GM 8.2L - 502ci - 8cyl	93-96	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
8.2L MIE (Gen V)	GM 8.2L - 502ci - 8cyl	93-96	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010	•
8.2L MIE MPI (LH) (Gen VI)	GM 8.2L - 502ci - 8cyl	00-On	Delco 65A Alternator	DR	12	19020601	PH300-0034	
8.2L MIE MPI (LH) (Gen VI)	GM 8.2L - 502ci - 8cyl	00-On	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
8.2L MIE MPI (LH) (Gen VI)	GM 8.2L - 502ci - 8cyl	98-99	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
8.2L MIE MPI (LH) (Gen VI)	GM 8.2L - 502ci - 8cyl	96-97	Mando 65A Alternator	MD	12	AC165610	PH300-0016	•
8.2L MIE w/ Hurth	GM 8.2L - 502ci - 8cyl	90-92	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
8.2L MIE w/ Hurth	GM 8.2L - 502ci - 8cyl	90-92	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
198 MIE	GM 5.0L 305ci - 8cyl	77	Delco 105I w/ Spark Screen	DR	12	1102397	PH300-0013	•
198 MIE	GM 5.0L 305ci - 8cyl	77	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022	•
215 MIE	FORD 5.0L - 302ci - 8cyl	70-72	Delco 1-wire Replacement	DR	12	59755	PH300-0013	•
225	FORD 5.0L - 302ci - 8cyl	73-73	Delco 1-wire Replacement	DR	12	59755	PH300-0013	•
225MIE	FORD 5.0L - 302ci - 8cyl	73-74	Delco 1-wire Replacement	DR	12	59755	PH300-0013	•
228	GM 5.0L 305ci - 8cyl	79-81	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022	•
228	GM 5.0L 305ci - 8cyl	77-78	Delco 105I w/ Spark Screen	DR	12	1102496	PH300-0013	•
228	GM 5.0L 305ci - 8cyl	77-78	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022	•
228 MIE	GM 5.0L 305ci - 8cyl	77-80	Delco 105I w/ Spark Screen	DR	12	1102496	PH300-0013	•
228 MIE	GM 5.0L 305ci - 8cyl	77-80	Motorola 51A Alternator	MO	12	8MR2023F	PH300-0022	•
230 MIE	GM 5.0L 305ci - 8cyl	81-95	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
230 MIE	GM 5.0L 305ci - 8cyl	81-95	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
233	FORD 5.8L - 351ci - 8cyl	75-77	Delco 105I w/ Spark Screen	DR	12	1102393	PH300-0013	•
233 MIE	FORD 5.8L - 351ci - 8cyl	75-77	Delco 105I w/ Spark Screen	DR	12	1102393	PH300-0013	•
255	FORD 5.8L - 351ci - 8cyl	73-74	Delco 1-wire Replacement	DR	12	59755	PH300-0013	•
255 MIE	FORD 5.8L - 351ci - 8cyl	73-74	Delco 1-wire Replacement	DR	12	59755	PH300-0013	•
255 MIE	GM 5.7L 350ci - 8cyl	75-80	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022	•
260 MIE	GM 5.7L 350ci - 8cyl	87	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
260 MIE	GM 5.7L 350ci - 8cyl	87	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
260 MIE	GM 5.7L 350ci - 8cyl	81-86	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
270 MIE	GM 5.7L - 350ci - 8cyl	69-72	Delco 1-wire Replacement	DR	12	56045	PH300-0013	•
325 MIE	GM 7.0L - 427ci - 8cyl	68-74	Delco 1-wire Replacement	DR	12	59755	PH300-0013	•
330	GM 7.4L - 454ci - 8cyl	77-81	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022	•
330 MIE	GM 7.4L - 454ci - 8cyl	77-80	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022	•
340 MIE w/ Borg Warner MK4	GM 7.4L - 454ci - 8cyl	81-87	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010	•
340 MIE w/ Borg Warner MK4	GM 7.4L - 454ci - 8cyl	81-87	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010	•
350 Mag MPI (Gen +)	GM 5.7L - 350ci - 8cyl	99-On	Delco - 0M310000-On	DR	12	19020612	PH300-0035	
351 Mag MPI (Gen +)	GM 5.7L - 350ci - 8cyl	99-On	Delco - 0L304500-0M299999	DR	12	19020601	PH300-0034	
352 Mag MPI (Gen +)	GM 5.7L - 350ci - 8cyl	99-On	Mando - 0L304500-0M299999	MD	12	AC165617	PH300-0012	•
353 Mag MPI (Gen +)	GM 5.7L - 350ci - 8cyl	98	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
350 Mag MPI Horizon	GM 5.7L - 350ci - 8cyl	99-On	Delco - 0M310000-On	DR	12	19020612	PH300-0035	
351 Mag MPI Horizon	GM 5.7L - 350ci - 8cyl	99-On	Delco - 0L304500-0M299999	DR	12	19020601	PH300-0034	
352 Mag MPI Horizon	GM 5.7L - 350ci - 8cyl	99-On	Mando - 0L304500-0M299999	MD	12	AC165617	PH300-0012	•
350 Mag MPI MIE (Gen +)	GM 5.7L - 350ci - 8cyl	98-99	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
350 MIE	GM 7.4L - 454ci - 8cyl	74-76	Delco 105I w/ Spark Screen	DR	12	1102393	PH300-0013	•
390 MIE	GM 7.5L - 482ci - 8cyl	69-70	Delco 1-wire Replacement	DR	12	56045	PH300-0013	•

PROTORQUE - Marine Alternators



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# APPLICATIONS - MARINE ALTERNATORS

PROTORQUE - Marine Alternators

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>MERCUISER - continued</b>								
<b>INBOARD ENGINES - continued</b>								
454 Mag MPI Horizon (Gen VI)	GM 7.4L - 454ci - 8cyl	98-On	Delco - s/n 0L086050-0L674000	DR	12	19020601	PH300-0034	
454 Mag MPI Horizon (Gen VI)	GM 7.4L - 454ci - 8cyl	98-On	Mando - s/n 0L002200-0L086049	MD	12	AC165617	PH300-0012	•
898	GM 5.0L - 305ci - 8cyl	77-82	Delco 105I w/ Spark Screen	DR	12	1102393	PH300-0013	•
898	GM 5.0L - 305ci - 8cyl	77-82	Motorola 37A Alternator	MO	12	8MR2024F	PH300-0022	•
MX 6.2L MPI	GM 6.2L - 377ci - 8cyl	01-On	SN-0M310100 and Up (70A)	DR	12	19020612	PH300-0035	
MX 6.2L MPI	GM 6.2L - 377ci - 8cyl	01-On	SN-0M310099 and Below (65A)	DR	12	19020601	PH300-0034	
MX 6.2L MPI Horizon	GM 6.2L - 377ci - 8cyl	01-On	SN-0M310100 and Up (70A)	DR	12	19020612	PH300-0035	
MX 6.2L MPI Horizon	GM 6.2L - 377ci - 8cyl	01-On	SN-0M310099 and Below (65A)	DR	12	19020601	PH300-0034	
<b>SKI ENGINES</b>								
Black Scorpion Ski (Gen +)	GM 5.7L - 350ci - 8cyl	97-On	Delco (Korean) 70A Alt	DR	12	19020612	PH300-0035	
Black Scorpion Ski (Gen +)	GM 5.7L - 350ci - 8cyl	97-On	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Black Scorpion Ski (Gen +)	GM 5.7L - 350ci - 8cyl	96	Mando 65A Alternator	MD	12	AC165610	PH300-0016	•
Model 5.7L Competition Ski	GM 5.7L - 350ci - 8cyl	97	Mando 55A Alternator	MD	12	AC155616	PH300-0011	•
Model 5.7L Competition Ski	GM 5.7L - 350ci - 8cyl	96	Mando 55A Alternator	MD	12	AC155603	PH300-0010	•
Model 5.7L Competition Ski	GM 5.7L - 350ci - 8cyl	87-95	Mando 55A Alternator	MD	12	AC155603	PH300-0010	•
Model 5.7L Competition Ski	GM 5.7L - 350ci - 8cyl	87-95	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 5.7L Competition Ski	GM 5.7L - 350ci - 8cyl	87-95	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
Model 5.7L Ski	GM 5.7L - 350ci - 8cyl	85-87	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 5.7L Ski	GM 5.7L - 350ci - 8cyl	85-87	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
Model 5.7L Ski (CARB)	GM 5.7L - 350ci - 8cyl	98-On	Delco (Korean) 70A Alt	DR	12	19020612	PH300-0035	
Model 5.7L Ski (Gen +)	GM 5.7L - 350ci - 8cyl	98-On	SN-0L619000-Up (Delco)	DR	12	19020601	PH300-0034	
Model 5.7L Ski (Gen +)	GM 5.7L - 350ci - 8cyl	98-On	SN-0L918999-Down (Mando)	MD	12	AC155616	PH300-0011	•
Model 350 Mag EFI Ski (Gen +)	GM 5.7L - 350ci - 8cyl	97	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Model 350 Mag EFI Ski (Gen +)	GM 5.7L - 350ci - 8cyl	96	Mando 65A Alternator	MD	12	AC165610	PH300-0016	•
Model 350 Mag EFI Ski (TBI)	GM 5.7L - 350ci - 8cyl	94-96	Mando 65A Alternator	MD	12	AC165610	PH300-0016	•
Model 350 Mag MPI Ski	GM 5.7L - 350ci - 8cyl	95-96	Mando 65A Alternator	MD	12	AC165610	PH300-0016	•
Model 350 Mag MPI Ski (Gen +)	GM 5.7L - 350ci - 8cyl	98-On	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034	
Model 350 Mag MPI Ski (Gen +)	GM 5.7L - 350ci - 8cyl	98-On	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Model 350 Mag Ski	GM 5.7L - 350ci - 8cyl	97	Mando 55A Alternator	MD	12	AC155616	PH300-0011	•
Model 350 Mag Ski	GM 5.7L - 350ci - 8cyl	91-96	Mando 55A Alternator	MD	12	AC155603	PH300-0010	•
Model 350 Mag Ski	GM 5.7L - 350ci - 8cyl	91-96	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 350 Mag Ski	GM 5.7L - 350ci - 8cyl	91-96	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010	•
Model 454 EFI Ski (Gen V)	GM 7.4L - 454ci - 8cyl	95	Mando 65A Alternator	MD	12	AC165610	PH300-0016	•
Model 454 Mag MPI Ski (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Mando 65A Alternator	MD	12	AC165610	PH300-0016	•
Model MX 6.2L BS MPI Ski	GM 6.2L - 377ci - 8cyl	01-On	Delco (Korean) 70A Alt	DR	12	19020612	PH300-0035	
<b>STERN DRIVE</b>								
Model 2.5L	GM 2.5L - 153ci - 4cyl	87-89	Delco 105I w/ Spark Screen	DR	12	1103113	PH300-0022	•
Model 2.5L	GM 2.5L - 153ci - 4cyl	87-89	Delco 105I w/ Spark Screen	DR	12	1105064	PH300-0022	•
Model 2.5L	GM 2.5L - 153ci - 4cyl	87-89	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 2.5L	GM 2.5L - 153ci - 4cyl	87-89	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010	•
Model 2.5L	GM 2.5L - 153ci - 4cyl	87-89	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010	•
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	99-On	Delco - s/n 0M326293 & Below	DR	12	19020600	PH300-0033	
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	99-On	Mando - s/n 0L382121 & Below	MD	12	AC155616	PH300-0011	•
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	96-98	Mando 55A Alternator	MD	12	AC155616	PH300-0011	•
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	90-95	Mando 55A Alternator	MD	12	AC155603	PH300-0010	•
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	90-95	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	90-95	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	87-89	Delco 105I w/ Spark Screen	DR	12	1103113	PH300-0022	•
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	87-89	Delco 105I w/ Spark Screen	DR	12	1105064	PH300-0022	•
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	87-89	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	87-89	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010	•
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	87-89	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010	•
Model 4.3L (2-BBL)	GM 4.3L - 262ci - 6cyl	88-92	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 4.3L (2-BBL)	GM 4.3L - 262ci - 6cyl	88-92	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010	•
Model 4.3L (2-BBL)	GM 4.3L - 262ci - 6cyl	88-92	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010	•
Model 4.3L (Gen +)	GM 4.3L - 262ci - 6cyl	96-97	Mando 55A Alternator	MD	12	AC155616	PH300-0011	•
Model 4.3L (Gen +)	GM 4.3L - 262ci - 6cyl	98-On	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034	
Model 4.3L (Gen +)	GM 4.3L - 262ci - 6cyl	98-On	Mando 55A Alternator	MD	12	AC155616	PH300-0011	•
Model 4.3L (Gen II)	GM 4.3L - 262ci - 6cyl	92-96	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 4.3L (Gen II)(2-BBL)	GM 4.3L - 262ci - 6cyl	92-96	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 4.3L EFI	GM 4.3L - 262ci - 6cyl	99	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034	
Model 4.3L EFI	GM 4.3L - 262ci - 6cyl	99	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Model 4.3L EFI (Gen +) TBI	GM 4.3L - 262ci - 6cyl	98-00	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034	
Model 4.3L EFI (Gen +) TBI	GM 4.3L - 262ci - 6cyl	98-00	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Model 4.3L EFI (Gen +) TBI	GM 4.3L - 262ci - 6cyl	01-On	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034	
Model 4.3L MPI	GM 4.3L - 262ci - 6cyl	01-02	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034	
Model 4.3L MPI	GM 4.3L - 262ci - 6cyl	01-02	Delco (Korean) 70A Alt	DR	12	19020612	PH300-0035	
Model 4.3L (Carb) Alpha & Bravo	GM 4.3L - 262ci - 6cyl	02-On	Delco (Korean) 70A Alt	DR	12	19020612	PH300-0035	
Model 4.3L (MFI) Alpha & Bravo	GM 4.3L - 262ci - 6cyl	02-On	Delco (Korean) 70A Alt	DR	12	19020612	PH300-0035	
Model 4.3LH (Gen +) (4-BBL)	GM 4.3L - 262ci - 6cyl	98-On	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034	
Model 4.3LH (Gen +) (4-BBL)	GM 4.3L - 262ci - 6cyl	98-On	Mando 55A Alternator	MD	12	AC155616	PH300-0011	•
Model 4.3LHX (Gen +) (4-BBL)	GM 4.3L - 262ci - 6cyl	96-97	Mando 55A Alternator	MD	12	AC155616	PH300-0011	•
Model 4.3LX (4-BBL)	GM 4.3L - 262ci - 6cyl	88-92	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 4.3LX (Gen +) (2-BBL)	GM 4.3L - 262ci - 6cyl	96-97	Mando 55A Alternator	MD	12	AC155616	PH300-0011	•





# APPLICATIONS - MARINE ALTERNATORS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>MERCURISER - continued</b>								
<b>STERN DRIVE - continued</b>								
Model 4.3LX (Gen II) (4-BBL)	GM 4.3L - 262ci - 6cyl	92-96	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 5.0L (2-BBL)	GM 5.0L - 305ci - 8cyl	95-98	Mando 55A Alternator	MD	12	AC155616	PH300-0011	•
Model 5.0L (2-BBL) (Gen +)	GM 5.0L - 305ci - 8cyl	98-02	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034	•
Model 5.0L (2-BBL) (Gen +)	GM 5.0L - 305ci - 8cyl	98-02	Delco (Korean) 70A Alt	DR	12	19020612	PH300-0035	•
Model 5.0L (2-BBL) (Gen +)	GM 5.0L - 305ci - 8cyl	98-02	Mando 55A Alternator	MD	12	AC155616	PH300-0011	•
Model 5.0L (Carb) Alpha & Bravo	GM 5.0L - 305ci - 8cyl	02-On	Delco (Korean) 70A Alt	DR	12	19020612	PH300-0035	•
Model 5.0L EFI (Gen +)	GM 5.0L - 305ci - 8cyl	99-01	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034	•
Model 5.0L EFI (Gen +)	GM 5.0L - 305ci - 8cyl	99-01	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Model 5.0L EFI (Gen +)	GM 5.0L - 305ci - 8cyl	98	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Model 5.0L MPI Alpha & Bravo	GM 5.0L - 305ci - 8cyl	01-On	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034	•
Model 5.0L MPI Alpha & Bravo	GM 5.0L - 305ci - 8cyl	01-On	Delco (Korean) 70A Alt	DR	12	19020612	PH300-0035	•
Model 5.0LX	GM 5.0L - 305ci - 8cyl	88-95	Mando 55A Alternator	MD	12	AC155603	PH300-0010	•
Model 5.0LX	GM 5.0L - 305ci - 8cyl	88-95	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 5.0LX	GM 5.0L - 305ci - 8cyl	88-95	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010	•
Model 5.0LX	GM 5.0L - 305ci - 8cyl	88-95	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010	•
Model 5.7L (2-BBL)	GM 5.7L - 350ci - 8cyl	97-98	Mando 55A Alternator	MD	12	AC155616	PH300-0011	•
Model 5.7L (2-BBL)	GM 5.7L - 350ci - 8cyl	96	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 5.7L (2-BBL) (Gen +)	GM 5.7L - 350ci - 8cyl	98-02	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034	•
Model 5.7L (2-BBL) (Gen +)	GM 5.7L - 350ci - 8cyl	98-02	Delco (Korean) 70A Alt	DR	12	19020612	PH300-0035	•
Model 5.7L (2-BBL) (Gen +)	GM 5.7L - 350ci - 8cyl	98-02	Mando 55A Alternator	MD	12	AC155616	PH300-0011	•
Model 5.7L (Carb) Alpha & Bravo	GM 5.7L - 350ci - 8cyl	02-On	Delco (Korean) 70A Alt	DR	12	19020612	PH300-0035	•
Model 5.7L Bravo	GM 5.7L - 350ci - 8cyl	88-95	Mando 55A Alternator	MD	12	AC155603	PH300-0010	•
Model 5.7L Bravo	GM 5.7L - 350ci - 8cyl	88-95	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 5.7L Bravo	GM 5.7L - 350ci - 8cyl	88-95	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010	•
Model 5.7L Bravo	GM 5.7L - 350ci - 8cyl	88-95	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010	•
Model 5.7L EFI (Gen +)	GM 5.7L - 350ci - 8cyl	99-01	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034	•
Model 5.7L EFI (Gen +)	GM 5.7L - 350ci - 8cyl	99-01	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Model 5.7L EFI (Gen +)	GM 5.7L - 350ci - 8cyl	98	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Model 5.7L EFI (TBI) (2-BBL)	GM 5.7L - 350ci - 8cyl	96-97	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Model 5.7L EFI (TBI) Alpha	GM 5.7L - 350ci - 8cyl	95	Mando 65A Alternator	MD	12	AC165610	PH300-0016	•
Model 5.7L EFI (TBI) Bravo	GM 5.7L - 350ci - 8cyl	95	Mando 65A Alternator	MD	12	AC165610	PH300-0016	•
Model 5.7LX (4-BBL)	GM 5.7L - 350ci - 8cyl	97	Mando 55A Alternator	MD	12	AC155616	PH300-0011	•
Model 5.7LX (4-BBL)	GM 5.7L - 350ci - 8cyl	96	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 5.7LX Bravo EFI (Gen +)	GM 5.7L - 350ci - 8cyl	96-97	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Model 5.7LX EFI (TBI) (2-BBL)	GM 5.7L - 350ci - 8cyl	97	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Model 5.7LX EFI (TBI) (4-BBL)	GM 5.7L - 350ci - 8cyl	96-97	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Model 7.4L Bravo	GM 7.4L - 454ci - 8cyl	88-91	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 7.4L Bravo	GM 7.4L - 454ci - 8cyl	88-91	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
Model 7.4L Bravo (Gen V)	GM 7.4L - 454ci - 8cyl	92-96	Mando 55A Alternator	MD	12	AC155603	PH300-0010	•
Model 7.4L Bravo (Gen V)	GM 7.4L - 454ci - 8cyl	92-96	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 7.4L Bravo (Gen V)	GM 7.4L - 454ci - 8cyl	92-96	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010	•
Model 7.4L Bravo (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 7.4L MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	98	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Model 7.4LX Bravo MPI (Gen V)	GM 7.4L - 454ci - 8cyl	96	Mando 65A Alternator	MD	12	AC165610	PH300-0016	•
Model 7.4LX Bravo MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Mando 65A Alternator	MD	12	AC165610	PH300-0016	•
Model 7.4LX Bravo TBI (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Mando 65A Alternator	MD	12	AC165610	PH300-0016	•
Model 7.4LX MPI (Gen V)	GM 7.4L - 454ci - 8cyl	96	Mando 65A Alternator	MD	12	AC165610	PH300-0016	•
Model 7.4LX MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Mando 65A Alternator	MD	12	AC165610	PH300-0016	•
Model 7.4LX MPI (Gen VI) (L29)	GM 7.4L - 454ci - 8cyl	98-00	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034	•
Model 7.4LX MPI (Gen VI) (L29)	GM 7.4L - 454ci - 8cyl	98-00	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Model 7.4LX TBI (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Mando 65A Alternator	MD	12	AC165610	PH300-0016	•
Model 110	GM 2.5L - 153ci - 8cyl	63-66	Prestolite System	PS	12	ALE5203	PH300-0028	•
Model 120	GM 2.5L - 153ci - 8cyl	83-89	Delco 105I w/ Spark Screen	DR	12	1103113	PH300-0022	•
Model 120	GM 2.5L - 153ci - 8cyl	83-89	Delco 105I w/ Spark Screen	DR	12	1105064	PH300-0022	•
Model 120	GM 2.5L - 153ci - 8cyl	83-89	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 120	GM 2.5L - 153ci - 8cyl	83-89	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010	•
Model 120	GM 2.5L - 153ci - 8cyl	83-89	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010	•
Model 120	GM 2.5L - 153ci - 8cyl	77-82	Delco 105I w/ screen (77-79)	DR	12	1102939	PH300-0022	•
Model 120	GM 2.5L - 153ci - 8cyl	77-82	Delco 105I w/ screen (80-82)	DR	12	1103113	PH300-0022	•
Model 120	GM 2.5L - 153ci - 8cyl	77-82	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022	•
Model 120	GM 2.5L - 153ci - 8cyl	73-76	Delco 105I w/ screen (73)	DR	12	1100577	PH300-0013	•
Model 120	GM 2.5L - 153ci - 8cyl	73-76	Delco 105I w/ screen (74-76)	DR	12	1102496	PH300-0013	•
Model 120	GM 2.5L - 153ci - 8cyl	73-76	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022	•
Model 120	GM 2.5L - 153ci - 8cyl	64-72	Prestolite System	PS	12	ALE5203	PH300-0028	•
Model 140	GM 3.0L - 181ci - 4cyl	83-86	Delco 105I w/ Spark Screen	DR	12	1103113	PH300-0022	•
Model 140	GM 3.0L - 181ci - 4cyl	83-86	Delco 105I w/ Spark Screen	DR	12	1105064	PH300-0022	•
Model 140	GM 3.0L - 181ci - 4cyl	83-86	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 140	GM 3.0L - 181ci - 4cyl	83-86	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010	•
Model 140	GM 3.0L - 181ci - 4cyl	83-86	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010	•
Model 140	GM 3.0L - 181ci - 4cyl	77-82	Delco 105I w/ Screen (77-79)	DR	12	1102939	PH300-0022	•
Model 140	GM 3.0L - 181ci - 4cyl	77-82	Delco 105I w/ Screen (80-82)	DR	12	1103113	PH300-0022	•
Model 140	GM 3.0L - 181ci - 4cyl	77-82	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022	•
Model 140	GM 3.0L - 181ci - 4cyl	73-76	Delco 105I w/ Screen (73)	DR	12	1100577	PH300-0013	•
Model 140	GM 3.0L - 181ci - 4cyl	73-76	Delco 105I w/ Screen (74-76)	DR	12	1102496	PH300-0013	•
Model 140	GM 3.0L - 181ci - 4cyl	73-76	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022	•

PROTORQUE - Marine Alternators



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# APPLICATIONS - MARINE ALTERNATORS

## PROTORQUE - Marine Alternators

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>MERCUISER - continued</b>								
<b>STERN DRIVE - continued</b>								
Model 140	GM 3.0L - 181ci - 4cyl	68-72	Prestolite System	PS	12	ALE5203	PH300-0028	•
Model 140	GM 3.2L - 194ci - 6cyl	63	Prestolite System	PS	12	ALE5203	PH300-0028	•
Model 150	GM 3.8L - 230ci - 6cyl	64-66	Prestolite System	PS	12	ALE5203	PH300-0028	•
Model 165	GM 4.1L - 250ci - 6cyl	70-82	Replaces All	MO	12	8MR2023F	PH300-0022	•
Model 175	GM 4.3L - 262ci - 6cyl	87-92	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 175	GM 4.3L - 262ci - 6cyl	87-92	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010	•
Model 175	GM 4.3L - 262ci - 6cyl	87-92	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010	•
Model 185	GM 3.8L - 229ci - 6cyl	83-84	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 185	GM 3.8L - 229ci - 6cyl	83-84	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010	•
Model 185	GM 3.8L - 229ci - 6cyl	83-84	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
Model 185	GM 4.3L - 262ci - 6cyl	85-87	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 185	GM 4.3L - 262ci - 6cyl	85-87	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
Model 190	GM 4.6L - 283ci - 8cyl	63-64	Prestolite System	PS	12	ALE5203	PH300-0028	•
Model 200	GM 5.0L - 305ci - 8cyl	87	Mando 55A Alternator	MD	12	AC155603	PH300-0010	•
Model 200	GM 5.0L - 305ci - 8cyl	87	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 200	GM 5.0L - 305ci - 8cyl	87	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010	•
Model 200	GM 5.0L - 305ci - 8cyl	87	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010	•
Model 200	GM 5.0L - 305ci - 8cyl	85-86	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 200	GM 5.0L - 305ci - 8cyl	85-86	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
Model 205	GM 4.3L - 262ci - 6cyl	88-91	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 205	GM 4.3L - 262ci - 6cyl	88-91	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010	•
Model 205	GM 4.3L - 262ci - 6cyl	88-91	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010	•
Model 205	GM 4.3L - 262ci - 6cyl	85-87	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 205	GM 4.3L - 262ci - 6cyl	85-87	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
Model 215	Ford 5.0L - 302ci - 8cyl	70-72	Delco 1-wire Replacement	DR	12	59755	PH300-0013	•
Model 225	Ford 5.0L - 302ci - 8cyl	73-74	Delco 1-wire Replacement	DR	12	59755	PH300-0013	•
Model 225	GM 5.4L - 327ci - 8cyl	63-66	Prestolite System	PS	12	ALE5203	PH300-0028	•
Model 228	GM 5.0L - 305ci - 8cyl	82-84	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 228	GM 5.0L - 305ci - 8cyl	82-84	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
Model 228	GM 5.0L - 305ci - 8cyl	79-81	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022	•
Model 228	GM 5.0L - 305ci - 8cyl	77-78	Delco 10SI w/ Spark Screen	DR	12	1102496	PH300-0013	•
Model 228	GM 5.0L - 305ci - 8cyl	77-78	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022	•
Model 230	GM 5.0L - 305ci - 8cyl	87	Mando 55A Alternator	MD	12	AC155603	PH300-0010	•
Model 230	GM 5.0L - 305ci - 8cyl	87	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 230	GM 5.0L - 305ci - 8cyl	87	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010	•
Model 230	GM 5.0L - 305ci - 8cyl	87	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010	•
Model 230	GM 5.0L - 305ci - 8cyl	85-86	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 230	GM 5.0L - 305ci - 8cyl	85-86	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
Model 233	Ford 5.8L - 351ci - 8cyl	75-77	Delco 10SI w/ Spark Screen	DR	12	1102393	PH300-0013	•
Model 250	GM 5.7L - 350ci - 8cyl	77	Delco 10SI w/ Spark Screen	DR	12	1102393	PH300-0013	•
Model 255	Ford 5.8L - 351ci - 8cyl	73-74	Delco 1-wire Replacement	DR	12	59755	PH300-0013	•
Model 260	GM 5.7L - 350ci - 8cyl	87	Mando 55A Alternator	MD	12	AC155603	PH300-0010	•
Model 260	GM 5.7L - 350ci - 8cyl	87	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 260	GM 5.7L - 350ci - 8cyl	87	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010	•
Model 260	GM 5.7L - 350ci - 8cyl	87	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010	•
Model 260	GM 5.7L - 350ci - 8cyl	82-86	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
Model 260	GM 5.7L - 350ci - 8cyl	78-81	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022	•
Model 262 Mag (Gen +) (TBI)	GM 4.3L - 262ci - 6cyl	96-97	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Model 270	GM 5.7L - 350ci - 8cyl	71-72	Delco 10SI w/ Spark Screen	DR	12	1100576	PH300-0013	•
Model 270	GM 5.7L - 350ci - 8cyl	69-70	Delco 10SI w/ Spark Screen	DR	12	1100894	PH300-0013	•
Model 280 TRS	GM 5.7L - 350ci - 8cyl	75-76	Delco 10SI w/ Spark Screen	DR	12	1102393	PH300-0013	•
Model 300 Tempest	GM 5.7L - 350ci - 8cyl	85-86	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
Model 320 (EFI)	GM 5.7L - 350ci - 8cyl	87	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
Model 320 (EFI)	GM 5.7L - 350ci - 8cyl	87-90	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010	•
Model 325	GM 7.0L - 427ci - 8cyl	69-72	Delco 1-wire Replacement	DR	12	59755	PH300-0013	•
Model 330	GM 7.4L - 454ci - 8cyl	82-87	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 330	GM 7.4L - 454ci - 8cyl	82-87	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
Model 330	GM 7.4L - 454ci - 8cyl	77-81	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022	•
Model 350 Mag Alpha	GM 5.7L - 350ci - 8cyl	88-95	Mando 55A Alternator	MD	12	AC155603	PH300-0010	•
Model 350 Mag Alpha	GM 5.7L - 350ci - 8cyl	88-95	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 350 Mag Alpha	GM 5.7L - 350ci - 8cyl	88-95	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010	•
Model 350 Mag Alpha	GM 5.7L - 350ci - 8cyl	88-95	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010	•
Model 350 Mag Alpha	GM 5.7L - 350ci - 8cyl	86-87	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 350 Mag Alpha	GM 5.7L - 350ci - 8cyl	86-87	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
Model 350 Mag Alpha (4-BBL)	GM 5.7L - 350ci - 8cyl	97	Mando 55A Alternator	MD	12	AC155616	PH300-0011	•
Model 350 Mag Alpha (4-BBL)	GM 5.7L - 350ci - 8cyl	96	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Model 350 Mag Alpha EFI (Gen +)	GM 5.7L - 350ci - 8cyl	96-97	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Model 350 Mag Bravo MPI	GM 5.7L - 350ci - 8cyl	95	Mando 65A Alternator	MD	12	AC165610	PH300-0016	•
Model 350 Mag Bravo MPI (Gen +)	GM 5.7L - 350ci - 8cyl	97	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Model 350 Mag Bravo MPI (Gen +)	GM 5.7L - 350ci - 8cyl	96	Mando 65A Alternator	MD	12	AC165610	PH300-0016	•
Model 350 Mag MPI Alpha & Bravo	GM 5.7L - 350ci - 8cyl	01-On	Delco (Korean) 70A Alt	DR	12	19020612	PH300-0035	
Model 350 Mag MPI Alpha & Bravo	GM 5.7L - 350ci - 8cyl	01-On	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034	
Model 350 Mag MPI Alpha & Bravo	GM 5.7L - 350ci - 8cyl	98-00	Mando 65A Alternator	MD	12	AC165617	PH300-0012	•
Model 350 Mag MPI Alpha & Bravo	GM 5.7L - 350ci - 8cyl	98-00	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034	
Model 350 Mag MPI Hor Alpha & Bravo	GM 5.7L - 350ci - 8cyl	01-On	Delco (Korean) 70A Alt	DR	12	19020612	PH300-0035	



# APPLICATIONS - MARINE ALTERNATORS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MERCURISER - continued</b>							
<b>STERN DRIVE - continued</b>							
Model 350 Mag MPI Hor Alpha & Bravo	GM 5.7L - 350ci - 8cyl	01-On	Delco (Korean) 65A Alt	DR	12	19020601	PH300-0034
Model 370 TRS	GM 7.4L - 454ci - 8cyl	78-87	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022
Model 370 TRS	GM 7.4L - 454ci - 8cyl	78-87	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010
Model 390	GM 7.5L - 482ci - 8cyl	69-70	Delco 1-wire Replacement	DR	12	56045	PH300-0013
Model 400 TRS (Cyclone)	GM 7.4L - 454ci - 8cyl	80-86	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022
Model 400 TRS (Cyclone)	GM 7.4L - 454ci - 8cyl	80-86	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010
Model 440 TRS (Cyclone)	GM 7.4L - 454ci - 8cyl	83-86	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022
Model 440 TRS (Cyclone)	GM 7.4L - 454ci - 8cyl	83-86	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010
Model 454 EFI (Gen V)	GM 7.4L - 454ci - 8cyl	94-96	Mando 65A Alternator	MD	12	AC165610	PH300-0016
Model 454 Mag Alpha	GM 7.4L - 454ci - 8cyl	86-88	Mando 55A Alternator	MD	12	AR150AA	PH300-0010
Model 454 Mag Alpha	GM 7.4L - 454ci - 8cyl	86-88	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010
Model 454 Mag Alpha	GM 7.4L - 454ci - 8cyl	86-88	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010
Model 454 Mag Bravo	GM 7.4L - 454ci - 8cyl	88-92	Mando 55A Alternator	MD	12	AR150AA	PH300-0010
Model 454 Mag Bravo	GM 7.4L - 454ci - 8cyl	88-92	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010
Model 454 Mag Bravo	GM 7.4L - 454ci - 8cyl	88-92	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010
Model 454 Mag Bravo (Gen V)	GM 7.4L - 454ci - 8cyl	95-96	Mando 55A Alternator	MD	12	AR150AA	PH300-0010
Model 454 Mag Bravo (Gen V)	GM 7.4L - 454ci - 8cyl	92-94	Mando 55A Alternator	MD	12	AC155603	PH300-0010
Model 454 Mag Bravo (Gen V)	GM 7.4L - 454ci - 8cyl	92-94	Mando 55A Alternator	MD	12	AR150AA	PH300-0010
Model 454 Mag Bravo (Gen V)	GM 7.4L - 454ci - 8cyl	92-94	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010
Model 454 Mag Bravo (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Mando 55A Alternator	MD	12	AR150AA	PH300-0010
Model 454 Mag Bravo MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	00-On	Delco 65A Alternator	DR	12	19020601	PH300-0034
Model 454 Mag Bravo MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	96-99	Mando 65A Alternator	MD	12	AC165610	PH300-0016
Model 454 Mag MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	01-On	Delco 65A Alternator	DR	12	19020601	PH300-0034
Model 454 Mag MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	01-On	Mando 65A Alternator	MD	12	AC165617	PH300-0012
Model 454 Mag MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	98-00	Mando 65A Alternator	MD	12	AC165617	PH300-0012
Model 454 Mag MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Mando 65A Alternator	MD	12	AC165610	PH300-0016
Model 454 Mag MPI Horizon	GM 7.4L - 454ci - 8cyl	01-On	Delco 65A Alternator	DR	12	19020601	PH300-0034
Model 454 Mag MPI Horizon	GM 7.4L - 454ci - 8cyl	01-On	Mando 65A Alternator	MD	12	AC165617	PH300-0012
Model 460 TRS (Cyclone)	GM 7.5L - 482ci - 8cyl	83-86	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022
Model 460 TRS (Cyclone)	GM 7.5L - 482ci - 8cyl	83-86	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010
Model 496 Mag	GM 8.1L - 496ci - 8cyl	01-On	Delco (Korean) 70A Alt	DR	12	19020612	PH300-0035
Model 496 Mag HO	GM 8.1L - 496ci - 8cyl	01-On	Delco (Korean) 70A Alt	DR	12	19020612	PH300-0035
Model 502 EFI (Gen V)	GM 8.2L - 502ci - 8cyl	93-95	Mando 65A Alternator	MD	12	AC165610	PH300-0016
Model 502 Mag Bravo	GM 8.2L - 502ci - 8cyl	90-92	Mando 55A Alternator	MD	12	AR150AA	PH300-0010
Model 502 Mag Bravo	GM 8.2L - 502ci - 8cyl	90-92	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010
Model 502 Mag Bravo (Gen V)	GM 8.2L - 502ci - 8cyl	92-93	Mando 55A Alternator	MD	12	AC155603	PH300-0010
Model 502 Mag Bravo (Gen V)	GM 8.2L - 502ci - 8cyl	92-93	Mando 55A Alternator	MD	12	AR150AA	PH300-0010
Model 502 Mag Bravo (Gen V)	GM 8.2L - 502ci - 8cyl	92-93	Motorola 51A Alternator	MO	12	8EM2003KA	PH300-0010
Model 502 Mag MPI (Gen VI)	GM 8.2L - 502ci - 8cyl	98-On	Delco 65A Alternator	DR	12	19020601	PH300-0034
Model 502 Mag MPI (Gen VI)	GM 8.2L - 502ci - 8cyl	98-On	Mando 65A Alternator	MD	12	AC165617	PH300-0012
Model 502 Mag MPI (Gen VI)	GM 8.2L - 502ci - 8cyl	96-97	Mando 65A Alternator	MD	12	AC165610	PH300-0016
Model 502 Mag MPI Bravo (Gen VI)	GM 8.2L - 502ci - 8cyl	98-99	Mando 65A Alternator	MD	12	AC165617	PH300-0012
Model 888	Ford 5.0L - 302ci - 8cyl	71-77	Delco 105i w/ Spark Screen	DR	12	1102393	PH300-0013
Model 898	GM 5.0L - 305ci - 8cyl	83-84	Delco 105i w/ Spark Screen	DR	12	1102393	PH300-0013
Model 898	GM 5.0L - 305ci - 8cyl	83-84	Mando 55A Alternator	MD	12	8MR2039K	PH300-0010
Model 898	GM 5.0L - 305ci - 8cyl	83-84	Motorola 37A Alternator	MO	12	8EM2007KA	PH300-0010
Model 898	GM 5.0L - 305ci - 8cyl	77-82	Delco 105i w/ Spark Screen	DR	12	1102393	PH300-0013
Model 898	GM 5.0L - 305ci - 8cyl	77-82	Motorola 37A Alternator	MO	12	8MR2023F	PH300-0022
Model MX 6.2L MPI	GM 6.2L - 377ci - 8cyl	00-On	SN-OM320024 and Below (65A)	DR	12	19020601	PH300-0034
Model MX 6.2L MPI	GM 6.2L - 377ci - 8cyl	00-On	SN-OM320025 and Up (70A)	DR	12	19020612	PH300-0035
Model MX 6.2L MPI Horizon	GM 6.2L - 377ci - 8cyl	00-On	SN-OM320024 and Below (65A)	DR	12	19020601	PH300-0034
Model MX 6.2L MPI Horizon	GM 6.2L - 377ci - 8cyl	00-On	SN-OM320025 and Up (70A)	DR	12	19020612	PH300-0035
Rover 60	60ci - 4cyl	65-67	Prestolite System	PS	12	ALE5203	PH300-0028

## MERCURY

<b>ENGINES- MARINE OUTBOARD</b>							
2.5L Racing	2.5L - 280HP	98-05	S/N 0G857000-Up	DR	12	857006T	PH300-0030
75ELPT EFI 4-Stroke	1.5L - 105ci - 75HP	06-Up	S/N 1B366823-Up	DR	12	897755T	PH300-0047
75ELPT Optimax	1.5L - 92.9ci - 75HP DFI	05-11	All	DR	12	881247A1	PH300-0031
80ELPT Optimax Jet	1.5L - 92.9ci - 80HP	11	All	DR	12	897755T	PH300-0047
90ELPT EFI 4-Stroke	1.5L - 105ci - 90HP	06-Up	S/N 1B366823-Up	DR	12	897755T	PH300-0047
90ELPT Optimax	1.5L - 92.9ci - 90HP DFI	06-Up	All	DR	12	881247A1	PH300-0031
90ELXPT EFI 4-Stroke	1.5L - 105ci - 90HP	06-Up	S/N 1B366823-Up	DR	12	897755T	PH300-0047
90EXLPT Optimax	1.5L - 92.9ci - 90HP DFI	06-Up	All	DR	12	881247A1	PH300-0031
115CXI Optimax Saltwater	2.5L - 115HP DFI	00		DR	12	875285T1	PH300-0030
115ELPT EFI 4-Stroke	1.5L - 105ci - 115HP	01-Up	S/N 1B366823-Up	DR	12	897755T	PH300-0047
115ELPT EFI Saltwater 4-Stroke	1.5L - 105ci - 115HP	04-05	S/N 1B366823-Up	DR	12	897755T	PH300-0047
115ELPT Optimax	1.5L - 92.9ci - 115HP DFI	04-Up	All	DR	12	881247A1	PH300-0031
115ELPT Pro XS Optimax	1.5L - 92.9ci - 115HP DFI	10-Up		DR	12		PH300-0031
115ELPT Saltwater Optimax	1.5L - 92.9ci - 115HP DFI	04-05	All	DR	12	881247A1	PH300-0031
115EXLPT EFI 4-Stroke	1.5L - 105ci - 115HP	06-Up	S/N 1B366823-Up	DR	12	897755T	PH300-0047
115EXLPT EFI Saltwater 4-Stroke	1.5L - 105ci - 115HP	01-05	S/N 1B366823-Up	DR	12	897755T	PH300-0047
115EXLPT Optimax	1.5L - 92.9ci - 115HP DFI	04-Up	All	DR	12	881247A1	PH300-0031
115EXLPT Saltwater Optimax	1.5L - 92.9ci - 115HP DFI	04-05	All	DR	12	881247A1	PH300-0031



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# APPLICATIONS - MARINE ALTERNATORS

PROTORQUE - Marine Alternators

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MERCURY - continued</b>							
<b>ENGINES- MARINE OUTBOARD - continued</b>							
115L Optimax	2.5L - 115HP DFI	00		DR	12	875285T1	PH300-0030
115L Optimax Saltwater	2.5L - 115HP DFI	00		DR	12	875285T1	PH300-0030
115XL Optimax Saltwater	2.5L - 115HP DFI	00		DR	12	875285T1	PH300-0030
135CXL Optimax	2.5L - 153.0ci - 135HP	99-10	S/N 0G760300-On	DR	12	881248T	PH300-0030
135CXL Verado 4-Stroke	105.7ci - 135HP	06-09		DR	12	892940T	PH300-0048
135L Optimax	2.5L - 153.0ci - 135HP	99-Up	S/N 0G760300-On	DR	12	881248T	PH300-0030
135XL Optimax	2.5L - 153.0ci - 135HP	99-Up	S/N 0G760300-On	DR	12	881248T	PH300-0030
135XL Verado 4-Stroke	105.7ci - 135HP	06-09		DR	12	892940T	PH300-0048
150CXL EFI Saltwater	2.5L - 153.0ci - 150HP	03-05	All	DR	12	881248T	PH300-0030
150CXL Optimax	2.5L - 153.0ci - 150HP	99-Up	S/N 0G760300-On	DR	12	881248T	PH300-0030
150CXL Verado 4-Stroke	105.7ci - 150HP	06-Up	All	DR	12	892940T	PH300-0048
150L EFI	2.5L - 153.0ci - 150HP	03-05	All	DR	12	881248T	PH300-0030
150L EFI Saltwater	2.5L - 153.0ci - 150HP	03-05	All	DR	12	881248T	PH300-0030
150L Optimax	2.5L - 153.0ci - 150HP	99-Up	S/N 0G760300-On	DR	12	881248T	PH300-0030
150L Pro XS Optimax	2.5L - 153.0ci - 150HP	11	All	DR	12	881248T	PH300-0030
150L Verado 4-Stroke	105.7ci - 150HP	06-Up	All	DR	12	892940T	PH300-0048
150XL EFI	2.5L - 153.0ci - 150HP	06-10	All	DR	12	881248T	PH300-0030
150XL EFI Saltwater	2.5L - 153.0ci - 150HP	03-05	All	DR	12	881248T	PH300-0030
150XL Optimax	2.5L - 153.0ci - 150HP	99-Up	S/N 0G760300-On	DR	12	881248T	PH300-0030
175CXL Optimax	2.5L - 153.0ci - 175HP	03-Up	All	DR	12	881248T	PH300-0030
175CXL Verado 4-Stroke	105.7ci - 175HP	06-Up	All	DR	12	892940T	PH300-0048
175L Optimax	2.5L - 153.0ci - 175HP	01-Up	All	DR	12	881248T	PH300-0030
175L Pro XS Optimax	2.5L - 153.0ci - 175HP	08-Up	All	DR	12	881248T	PH300-0030
175XL Optimax	2.5L - 153.0ci - 175HP	02-Up	All	DR	12	881248T	PH300-0030
175XL Pro XS Optimax	2.5L - 153.0ci - 175HP	08-Up	All	DR	12	881248T	PH300-0030
175XL Verado 4-Stroke	105.7ci - 175HP	06-Up	All	DR	12	892940T	PH300-0048
200CXL EFI	2.5L - 153.0ci - 200HP	99-05	S/N 0T409000-Up	DR	12	881248T	PH300-0030
200CXL Optimax	3.0L - 185.0ci - 200HP	01-Up	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
200CXL Optimax	3.0L - 185.0ci - 200HP	98-00	Replacement Delco 5SI	DR	12	881247A1	PH300-0031
200CXL Optimax	3.0L - 185.0ci - 200HP	98-00	Standard Denso Alternator	ND	12	828506	PH300-0021
200CXL Verado 4-Stroke	105.7ci - 200HP	08-Up	All	DR	12	892940T	PH300-0048
200CXL Verado 4-Stroke	158.5ci - 200HP	05-Up	All	DR	12	892940T	PH300-0048
200CXL DTS Optimax	3.0L - 185.0ci - 200HP	05-09	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
200CXL Optimax	3.0L - 185.0ci - 200HP	01-02	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
200CXL Optimax	3.0L - 185.0ci - 200HP	98-00	Replacement Delco 5SI	DR	12	881247A1	PH300-0031
200CXL Optimax	3.0L - 185.0ci - 200HP	98-00	Standard Denso Alternator	ND	12	828506	PH300-0021
200L EFI	2.5L - 153.0ci - 200HP	99-05	S/N 0T409000-Up	DR	12	881248T	PH300-0030
200L Optimax	3.0L - 185.0ci - 200HP	01-09	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
200L Optimax	3.0L - 185.0ci - 200HP	98-00	Replacement Delco 5SI	DR	12	881247A1	PH300-0031
200L Optimax	3.0L - 185.0ci - 200HP	98-00	Standard Denso Alternator	ND	12	828506	PH300-0021
200L Pro XS Optimax	3.0L - 185.0ci - 200HP	10-Up	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
200L Verado 4-Stroke	105.7ci - 200HP	08-Up	All	DR	12	892940T	PH300-0048
200L Verado 4-Stroke	158.5ci - 200HP	05-Up	All	DR	12	892940T	PH300-0048
200L DTS Optimax	3.0L - 185.0ci - 200HP	05-09	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
200XL EFI	2.5L - 153.0ci - 200HP	99-05	S/N 0T409000-Up	DR	12	881248T	PH300-0030
200XL Optimax	3.0L - 185.0ci - 200HP	01-Up	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
200XL Optimax	3.0L - 185.0ci - 200HP	98-00	Replacement Delco 5SI	DR	12	881247A1	PH300-0031
200XL Optimax	3.0L - 185.0ci - 200HP	98-00	Standard Denso Alternator	ND	12	828506	PH300-0021
200XL DTS Optimax	3.0L - 185.0ci - 200HP	05-09	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
200XL Verado 4-Stroke	105.7ci - 200HP	08-Up	All	DR	12	892940T	PH300-0048
200XL Verado 4-Stroke	158.5ci - 200HP	05-Up	All	DR	12	892940T	PH300-0048
200XXL Optimax	3.0L - 185.0ci - 200HP	01-02	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
200XXL Optimax	3.0L - 185.0ci - 200HP	98-00	Replacement Delco 5SI	DR	12	881247A1	PH300-0031
200XXL Optimax	3.0L - 185.0ci - 200HP	98-00	Standard Denso Alternator	ND	12	828506	PH300-0021
200XS Optimax Racing	2.5L - 153.0ci - 200HP	06	All	DR	12	881248T	PH300-0030
200XS CS Optimax Racing	2.5L - 153.0ci - 200HP	05	All	DR	12	881248T	PH300-0030
200XSL Optimax Racing	2.5L - 153.0ci - 200HP	05	All	DR	12	881248T	PH300-0030
200XSL Optimax Racing	2.5L - 153.0ci - 200HP	00	All	DR	12	881248T	PH300-0030
200XS SS Optimax Racing	2.5L - 153.0ci - 200HP	05	All	DR	12	881248T	PH300-0030
200XS SS Optimax Racing	2.5L - 153.0ci - 200HP	00	All	DR	12	881248T	PH300-0030
225 Pro XS Optimax	3.0L - 185.0ci - 225HP	05-09	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
225CXL	3.0L - 185.0ci - 225HP	94-99	S/N 0D280813 - 0T408999	ND	12	821663A1	PH300-0019
225CXL EFI	3.0L - 185.0ci - 225HP	01-04	S/N 0T409000-Up	DR	12	881247A1	PH300-0031
225CXL EFI	3.0L - 185.0ci - 225HP	95-00	S/N 0G129222 - 0T408999	ND	12	821663A1	PH300-0019
225CXL Optimax	3.0L - 185.0ci - 225HP	01-Up	S/N 0T178500-Up	DR	12	881247A1	PH300-0031
225CXL Optimax	3.0L - 185.0ci - 225HP	98-00	S/N 0G386496 - 0T178499 (Opt)	DR	12	881247A1	PH300-0031
225CXL Optimax	3.0L - 185.0ci - 225HP	98-00	S/N 0G386496 - 0T178499 (Std)	ND	12	828506	PH300-0021
225CXL DTS Optimax	3.0L - 185.0ci - 225HP	04-09	S/N 0T980000- Up	DR	12	881247A1	PH300-0031
225CXL Seapro	3.0L - 185.0ci - 225HP	96-98	S/N 0G245605- Up	ND	12	821663A1	PH300-0019
225CXL Verado 4-Stroke	158.5ci - 225HP	05-Up	All	DR	12	892940T	PH300-0048
225CXL	3.0L - 185.0ci - 225HP	94-99	S/N 0D280813 - 0T408999	ND	12	821663A1	PH300-0019
225CXL EFI	3.0L - 185.0ci - 225HP	01-04	S/N 0T409000-Up	DR	12	881247A1	PH300-0031
225CXL EFI	3.0L - 185.0ci - 225HP	95-00	S/N 0G129222 - 0T408999	ND	12	821663A1	PH300-0019
225CXL Optimax	3.0L - 185.0ci - 225HP	01-Up	S/N 0T178500-Up	DR	12	881247A1	PH300-0031
225CXL Optimax	3.0L - 185.0ci - 225HP	98-00	S/N 0G386496 - 0T178499 (Opt)	DR	12	881247A1	PH300-0031



# APPLICATIONS - MARINE ALTERNATORS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MERCURY - continued</b>							
<b>ENGINES- MARINE OUTBOARD - continued</b>							
225CXXL DTS Optimax	3.0L - 185.0ci - 225HP	04-Up	S/N 0T980000- Up	DR	12	881247A1	PH300-0031
225CXXL Verado 4-Stroke	158.5ci - 225HP	05-Up	All	DR	12	892940T	PH300-0048
225L	3.0L - 185.0ci - 225HP	94-99	S/N 0D280813 - 0T408999	ND	12	821663A1	PH300-0019
225L EFI	3.0L - 185.0ci - 225HP	01-04	S/N 0T409000-Up	DR	12	881247A1	PH300-0031
225L EFI	3.0L - 185.0ci - 225HP	96-00	S/N 0G129222 - 0T408999	ND	12	821663A1	PH300-0019
225L Optimax	3.0L - 185.0ci - 225HP	01-09	S/N 0T178500-Up	DR	12	881247A1	PH300-0031
225L Optimax	3.0L - 185.0ci - 225HP	98-00	S/N 0G386496 - 0T178499 (Opt)	DR	12	881247A1	PH300-0031
225L Optimax	3.0L - 185.0ci - 225HP	98-00	S/N 0G386496 - 0T178499 (Std)	ND	12	828506	PH300-0021
225L Pro XS Optimax	3.0L - 185.0ci - 225HP	10-Up	All	DR	12	881247A1	PH300-0031
225L DTS Optimax	3.0L - 185.0ci - 225HP	03-09	S/N 0T980000- Up	DR	12	881247A1	PH300-0031
225L Verado 4-Stroke	158.5ci - 225HP	05-Up	All	DR	12	892940T	PH300-0048
225XL	3.0L - 185.0ci - 225HP	94-99	S/N 0D280813 - 0T408999	ND	12	821663A1	PH300-0019
225XL EFI	3.0L - 185.0ci - 225HP	01-04	S/N 0T409000-Up	DR	12	881247A1	PH300-0031
225XL EFI	3.0L - 185.0ci - 225HP	95-00	S/N 0G129222 - 0T408999	ND	12	821663A1	PH300-0019
225XL Optimax	3.0L - 185.0ci - 225HP	01-Up	S/N 0T178500-Up	DR	12	881247A1	PH300-0031
225XL Optimax	3.0L - 185.0ci - 225HP	98-00	S/N 0G386496 - 0T178499 (Opt)	DR	12	881247A1	PH300-0031
225XL Optimax	3.0L - 185.0ci - 225HP	98-00	S/N 0G386496 - 0T178499 (Std)	ND	12	828506	PH300-0021
225XL Pro XS Optimax	3.0L - 185.0ci - 225HP	07-Up	All	DR	12	881247A1	PH300-0031
225XL DTS Optimax	3.0L - 185.0ci - 225HP	03-09	S/N 0T980000- Up	DR	12	881247A1	PH300-0031
225XL Verado 4-Stroke	158.5ci - 225HP	05-Up	All	DR	12	892940T	PH300-0048
225XS Sport Racing	3.0L - 185.0ci - 225HP	06-09	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
225XXL	3.0L - 185.0ci - 225HP	94-99	S/N 0D280813 - 0T408999	DR	12	821663A1	PH300-0019
225XXL EFI	3.0L - 185.0ci - 225HP	01-04	S/N 0T409000-Up	DR	12	881247A1	PH300-0031
225XXL EFI	3.0L - 185.0ci - 225HP	95-00	S/N 0G129222 - 0T408999	ND	12	821663A1	PH300-0019
225XXL Optimax	3.0L - 185.0ci - 225HP	01-Up	S/N 0T178500-Up	DR	12	881247A1	PH300-0031
225XXL Optimax	3.0L - 185.0ci - 225HP	98-00	S/N 0G386496 - 0T178499 (Opt)	DR	12	881247A1	PH300-0031
225XXL Optimax	3.0L - 185.0ci - 225HP	98-00	S/N 0G386496 - 0T178499 (Std)	ND	12	828506	PH300-0021
225XXL DTS Optimax	3.0L - 185.0ci - 225HP	03-09	S/N 0T980000- Up	DR	12	881247A1	PH300-0031
225XXL Verado 4-Stroke	158.5ci - 225HP	05-Up	All	DR	12	892940T	PH300-0048
250 Pro XS Optimax	3.0L - 185.0ci - 250HP	06-Up	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
250CXL EFI	3.0L - 185.0ci - 250HP	01-04	S/N 0T409000-Up	DR	12	881247A1	PH300-0031
250CXL EFI	3.0L - 185.0ci - 250HP	95-00	S/N 0G129222 - 0T408999	ND	12	821663A1	PH300-0019
250CXL Optimax	3.0L - 185.0ci - 250HP	09-Up	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
250CXL Verado 4-Stroke	158.5ci - 250HP	05-Up	All	DR	12	892940T	PH300-0048
250CXXL EFI	3.0L - 185.0ci - 250HP	01-04	S/N 0T409000-Up	DR	12	881247A1	PH300-0031
250CXXL EFI	3.0L - 185.0ci - 250HP	95-00	S/N 0G129222 - 0T408999	ND	12	821663A1	PH300-0019
250CXXL Optimax	3.0L - 185.0ci - 250HP	09-Up	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
250CXXL Verado 4-Stroke	158.5ci - 250HP	05-Up	All	DR	12	892940T	PH300-0048
250XL EFI	3.0L - 185.0ci - 250HP	01-04	S/N 0T409000-Up	DR	12	881247A1	PH300-0031
250XL EFI	3.0L - 185.0ci - 250HP	95-00	S/N 0G129222 - 0T408999	ND	12	821663A1	PH300-0019
250XL Optimax	3.0L - 185.0ci - 250HP	09-Up	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
250XL Pro XS Optimax	3.0L - 185.0ci - 250HP	08-Up	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
250XL Verado 4-Stroke	158.5ci - 250HP	05-Up	All	DR	12	892940T	PH300-0048
250XS Racing	3.0L - 185.0ci - 250HP	05-09	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
250XXL EFI	3.0L - 185.0ci - 250HP	01-04	S/N 0T409000-Up	DR	12	881247A1	PH300-0031
250XXL EFI	3.0L - 185.0ci - 250HP	95-00	S/N 0G129222 - 0T408999	ND	12	821663A1	PH300-0019
250XXL Optimax	3.0L - 185.0ci - 250HP	09-Up	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
250XXL Verado 4-Stroke	158.5ci - 275HP	05-Up	All	DR	12	892940T	PH300-0048
275CXL Verado 4-Stroke	158.5ci - 275HP	05-Up	All	DR	12	892940T	PH300-0048
275CXXL Verado 4-Stroke	158.5ci - 275HP	05-Up	All	DR	12	892940T	PH300-0048
275L Verado 4-Stroke	158.5ci - 275HP	05-Up	All	DR	12	892940T	PH300-0048
275XL Verado 4-Stroke	158.5ci - 275HP	05-Up	All	DR	12	892940T	PH300-0048
275XXL Verado 4-Stroke	158.5ci - 275HP	05-Up	All	DR	12	892940T	PH300-0048
300CL Promax Racing	3.0L - 185.0ci - 300HP	98-00	S/N 0G610221 - 0T105297	ND	12	821663A1	PH300-0019
300CL Verado 4-Stroke	158.5ci - 300HP	08-Up	All	DR	12	892940T	PH300-0048
300CXL Promax Racing	3.0L - 185.0ci - 300HP	98-00	S/N 0G610221 - 0T105297	ND	12	821663A1	PH300-0019
300CXL Verado 4-Stroke	158.5ci - 300HP	08-Up	All	DR	12	892940T	PH300-0048
300L Promax Racing	3.0L - 185.0ci - 300HP	98-00	S/N 0G610221 - 0T105297	ND	12	821663A1	PH300-0019
300L Verado 4-Stroke	158.5ci - 300HP	08-Up	All	DR	12	892940T	PH300-0048
300X, XS Promax Racing	3.0L - 185.0ci - 300HP	05-09	Delco 5SI Alternator	DR	12	881247A1	PH300-0031
300XL Promax Racing	3.0L - 185.0ci - 300HP	98-00	S/N 0G610221 - 0T105297	ND	12	821663A1	PH300-0019
300XXL Verado 4-Stroke	158.5ci - 300HP	08-Up	All	DR	12	892940T	PH300-0048
350CL DTS LH Verado	158.5ci - 350HP	09-Up	All	DR	12	892940T	PH300-0048
350CXL DTS LH Verado	158.5ci - 350HP	09-Up	All	DR	12	892940T	PH300-0048
350CXXL DTS LH Verado	158.5ci - 350HP	09-Up	All	DR	12	892940T	PH300-0048
350L DTS RH Verado	158.5ci - 350HP	09-Up	All	DR	12	892940T	PH300-0048
350XL DTS RH Verado	158.5ci - 350HP	09-Up	All	DR	12	892940T	PH300-0048
350XXL DTS RH Verado	158.5ci - 350HP	09-Up	All	DR	12	892940T	PH300-0048

PROTORQUE - Marine Alternators

## MOTOROLA

<b>MARINE ALTERNATORS</b>							
Various Models	Various Engines	82-On	Sgl Bottom Mtg; Top @ 1:00	MO	12	9AR2775F	PH300-0024-OE
Various Models	Various Engines	78-On	w/1 Hole Mount w/ Tach Hookup	MO	12	8MR2051F	PH300-0010
Various Models	Various Engines	85-On	Single Hole - Later Style	MO	12	8EM2007KA	PH300-0010



TOLL FREE: 844-786-7783

LOCAL: 609-654-6020

FAX: 609-654-5710

WEB: [www.protorqueparts.com](http://www.protorqueparts.com)



## APPLICATIONS - MARINE ALTERNATORS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	•
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### OMC

ENGINES-MARINE								
Inboard & V-Drive	2.5L	84-86	Delco System	DR	12	983424	PH300-0013	•
Inboard & V-Drive	3.0L	94-96	Mando System	MD	12	3860769	PH300-0010	•
Inboard & V-Drive	3.0L	87	Delco System	DR	12	983424	PH300-0013	•
Inboard & V-Drive	3.0L	84-86	Delco System	DR	12	983424	PH300-0013	•
Inboard & V-Drive	3.8L	84-85	Delco System	DR	12	983836	PH300-0013	•
Inboard & V-Drive	4.3L	94-96	Mando System	MD	12	3860769	PH300-0010	•
Inboard & V-Drive	4.3L	85-86	Delco System	DR	12	983424	PH300-0013	•
Inboard & V-Drive	5.0L	94-96	Mando System	MD	12	3854182	PH300-0014	
Inboard & V-Drive	5.0L	93	Mando System	MD	12	3857561	PH300-0014	
Inboard & V-Drive	5.0L	84-86	GM Engine (Delco)	DR	12	983424	PH300-0013	•
Inboard & V-Drive	5.7L	94-96	Mando System	MD	12	3860769	PH300-0010	•
Inboard & V-Drive	5.7L	84-86	Delco System	DR	12	983424	PH300-0013	•
Inboard & V-Drive	5.8L	94-96	Mando System (EFI)	MD	12	3857561	PH300-0014	
Inboard & V-Drive	5.8L	94-96	Mando System (Exc. EFI)	MD	12	3860769	PH300-0010	•
Inboard & V-Drive	5.8L	93	Mando System (EFI)	MD	12	3857561	PH300-0014	
Inboard & V-Drive	5.8L	93	Mando System (Exc. EFI)	MD	12	3860769	PH300-0010	•
Inboard & V-Drive	7.4L	94-96	Mando System	MD	12	3860769	PH300-0010	•
Inboard & V-Drive	7.4L	93	Mando System	MD	12	3860769	PH300-0010	•
Inboard & V-Drive	80HP	66-74	Prestolite 34A Alternator	PS	12	ALK6207	PH300-0007	
Inboard & V-Drive	80HP	66-74	Prestolite 42A Alternator	PS	12	ALK6210	PH300-0007	
Inboard & V-Drive	120HP	66-74	Prestolite 34A Alternator	PS	12	ALK6207	PH300-0007	
Inboard & V-Drive	120HP	66-74	Prestolite 42A Alternator	PS	12	ALK6210	PH300-0007	
Inboard & V-Drive	155HP	66-74	Prestolite 34A Alternator	PS	12	ALK6207	PH300-0007	
Inboard & V-Drive	155HP	66-74	Prestolite 42A Alternator	PS	12	ALK6210	PH300-0007	
Inboard & V-Drive	185HP	66-74	Prestolite 34A Alternator	PS	12	ALK6207	PH300-0007	
Inboard & V-Drive	185HP	66-74	Prestolite 42A Alternator	PS	12	ALK6210	PH300-0007	
Inboard & V-Drive	200HP	66-74	Prestolite 34A Alternator	PS	12	ALK6207	PH300-0007	
Inboard & V-Drive	200HP	66-74	Prestolite 42A Alternator	PS	12	ALK6210	PH300-0007	
Inboard & V-Drive	210HP	66-74	Prestolite 34A Alternator	PS	12	ALK6207	PH300-0007	
Inboard & V-Drive	210HP	66-74	Prestolite 42A Alternator	PS	12	ALK6210	PH300-0007	
Inboard & V-Drive	235HP	66-74	Prestolite 34A Alternator	PS	12	ALK6207	PH300-0007	
Inboard & V-Drive	235HP	66-74	Prestolite 42A Alternator	PS	12	ALK6210	PH300-0007	
Inboard & V-Drive	AJ Series (250HP)	71-74	Prestolite 42A Alternator	PS	12	ALK6210	PH300-0007	
Inboard & V-Drive	AT Series (250HP)	71-74	Prestolite 42A Alternator	PS	12	ALK6210	PH300-0007	
Inboard & V-Drive	CU / CUE-12M (110HP)	67-74	Prestolite 42A Alternator	PS	12	ALK6210	PH300-0007	
Inboard & V-Drive	CU Series (120HP)	67-74	Prestolite 42A Alternator	PS	12	ALK6210	PH300-0007	
Inboard & V-Drive	HU / HUE-12M (150HP)	67-74	Prestolite 42A Alternator	PS	12	ALK6210	PH300-0007	
Inboard & V-Drive	HU Series (155HP)	67-74	Prestolite 42A Alternator	PS	12	ALK6210	PH300-0007	
Inboard & V-Drive	JT Series (210HP)	71-74	Prestolite 42A Alternator	PS	12	ALK6210	PH300-0007	
Inboard & V-Drive	NU Series (80, 90HP)	67-74	Prestolite 42A Alternator	PS	12	ALK6210	PH300-0007	
Inboard & V-Drive	TT Series (210HP)	71-74	Prestolite 42A Alternator	PS	12	ALK6210	PH300-0007	
Inboard & V-Drive	XU Series (235HP)	67-74	Prestolite 42A Alternator	PS	12	ALK6210	PH300-0007	
Inboard & V-Drive	Various Engines	81-87	Delco 42A 10SI w/ Screen	DR	12	1100577	PH300-0013	•
Inboard & V-Drive	Various Engines	75-79	Prestolite 42A Alternator	PS	12	ALK6222	PH300-0007	
Inboard & V-Drive	Various Engines	85-On	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Inboard & V-Drive	Various Engines	85-On	Mando 65A Alternator	MD	12	AC165618	PH300-0014	

### PANTHER

INBOARD & STERNDRIVE								
Various		89-On	Motorola System	MO	12	8MR2051F	PH300-0010	•
Various		89-On	Motorola System	MO	12	8EM2007K	PH300-0010	•

### PERKINS

ENGINES-MARINE								
Various Models		All	Motorola System	MO	24	9AR3711G	PH300-0023-OE	
Various Models		All	Motorola System	MO	24	9AR3743G	PH300-0023-OE	
Various Models	Single Bottom Mount	All	Motorola (12:00 Top Ear)	MO	24	9AR3711G	PH300-0023-OE	
Various Models	Single Bottom Mount	All	Motorola (12:00 Top Ear)	MO	24	9AR3743G	PH300-0023-OE	

### PLEASURECRAFT

INBOARD & STERNDRIVE								
305CI, 5.0L	8cyl, 305CI, 5.0L	06-Up	Delco 11SI Alternator	DR	12	RA097009	PH300-0038	
305CI, 5.0L	8cyl, 305CI, 5.0L	06-Up	Delco 7SI Alternator	DR	12	RA097007C	PH300-0043	
305CI, 5.0L	8cyl, 305CI, 5.0L	02-05	Delco 7SI w/ Serpentine Pulley	DR	12	RA097007C	PH300-0041	
305CI, 5.0L	8cyl, 305CI, 5.0L	02-05	Delco 7SI w/ Single Pulley	DR	12	RA097007B	PH300-0032	
350CI, 5.7L	8cyl, 350CI, 5.7L	06-Up	Delco 11SI Alternator	DR	12	RA097009	PH300-0038	
350CI, 5.7L	8cyl, 350CI, 5.7L	06-Up	Delco 7SI Alternator	DR	12	RA097007C	PH300-0043	
350CI, 5.7L	8cyl, 350CI, 5.7L	02-05	Delco 7SI w/ Serpentine Pulley	DR	12	RA097007C	PH300-0041	
350CI, 5.7L	8cyl, 350CI, 5.7L	02-05	Delco 7SI w/ Single Pulley	DR	12	RA097007B	PH300-0032	
364CI, 6.0L	8cyl, 364CI, 6.0L	03-07	Delco 11SI Alternator	DR	12	RA097009	PH300-0038	
364CI, 6.0L	8cyl, 364CI, 6.0L	03-07	Delco 7SI Alternator	DR	12	RA097007C	PH300-0043	
496CI, 8.1L	8cyl, 496CI, 8.1L	01-04	Delco 7SI Alternator	DR	12	RA097007	PH300-0041	
Various Models	Various Engines	74-On	Delco 42A 10SI w/ Screen	DR	12	1100577	PH300-0013	•
Various Models	Various Engines	85-On	Mando 55A Alternator	MD	12	AC155603	PH300-0010	•





# APPLICATIONS - MARINE ALTERNATORS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
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## PLEASURECRAFT - continued

### INBOARD & STERNDRIVE - continued

Various Models	Various Engines	85-On	Mando 55A Alternator	MD	12	AC155614	PH300-0010	•
Various Models	Various Engines	85-On	Mando 55A Alternator	MD	12	AR150AA	PH300-0010	•
Various Models	Various Engines	85-On	Mando 65A Alternator	MD	12	AC165618	PH300-0014	•
Various Models	Various Engines	89-On	Motorola 51A Alternator	MO	12	8EM2002FA	PH300-0010	•
Various Models	Various Engines	89-On	Motorola 51A Alternator	MO	12	8EM2007K	PH300-0010	•
Various Models	Various Engines	89-On	Motorola 51A Alternator	MO	12	8EM2007KA	PH300-0010	•
Various Models	Various Engines	89-On	Motorola 51A Alternator	MO	12	8MR2051F	PH300-0010	•

## RENAULT

### ENGINES MARINE

RC18D	Single Bottom Mount	All	Motorola (1:00 Top)	MO	12	9AR2775F	PH300-0024-OE	
RC25	Single Bottom Mount	All	Motorola (1:00 Top)	MO	12	9AR2775G	PH300-0024-OE	
RC25D	Single Bottom Mount	All	Motorola (1:00 Top)	MO	12	9AR2775G	PH300-0024-OE	
RC36D	Single Bottom Mount	All	Motorola (1:00 Top)	MO	12	9AR2775G	PH300-0024-OE	
RC90DS	Single Bottom Mount	All	Motorola (1:00 Top)	MO	12	9AR2775G	PH300-0024-OE	
RC100D	Single Bottom Mount	All	Motorola (1:00 Top)	MO	12	9AR2775G	PH300-0024-OE	
RC160D, DS	Single Bottom Mount	All	Motorola (1:00 Top)	MO	12	9AR2775G	PH300-0024-OE	
RC120D	Single Bottom Mount	All	Paris Rhone (1:00 Top)	PR	24	A13N143M	PH300-0025-OE	
RC140D	Single Bottom Mount	All	Motorola (1:00 Top)	MO	12	9AR2775G	PH300-0024-OE	
RC145DTS	Single Bottom Mount	All	Motorola (1:00 Top)	MO	12	9AR2775G	PH300-0024-OE	
RC160DS	Single Bottom Mount	All	Motorola (1:00 Top)	MO	12	9AR2775G	PH300-0024-OE	
RC180D	Single Bottom Mount	All	Motorola (1:00 Top)	MO	12	9AR2775G	PH300-0024-OE	
RC355DV	Single Bottom Mount	All	Paris Rhone (1:00 Top)	PR	24	A13N143M	PH300-0025-OE	
RC480DV, Turbo	Single Bottom Mount	All	Paris Rhone (1:00 Top)	PR	24	A13N143M	PH300-0025-OE	
RC800DTV	Single Bottom Mount	All	Paris Rhone (1:00 Top)	PR	24	A13N143M	PH300-0025-OE	

## REX

### INBOARD & STERNDRIVE

Various Models		85-On	w/1 Hole Mount w/ Tach Hookup	MO	12	8EM2007K	PH300-0010	•
Various Models		85-On	w/3 Hole Mount w/ Tach Hookup	MO	12	8MR2199K	PH300-0009	

## SABB

### ENGINES - MARINE

Various Models		All	Motorola System	MO	12	9AR2775F	PH300-0024-OE	
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## SABRE

### ENGINES - MARINE

Various Models	Single Bottom Mount	All	Motorola (12:00 Top Ear)	MO	24	9AR3711G	PH300-0023-OE	
Various Models	Single Bottom Mount	All	Motorola (12:00 Top Ear)	MO	24	9AR3743G	PH300-0023-OE	

## STARRETT

### INBOARD & STERNDRIVE

172FD		63	Prestolite 40A Alt	PS	12	ALE5204S	PH300-0028	•
172FD (60HP)		62-63	Prestolite 40A Alt	PS	12	ALE5204S	PH300-0028	•
220FD		63		PS	12	ALE5204S	PH300-0028	•
330FD		63		PS	12	ALE5204S	PH300-0028	•

## STEWART & STEVENSON

### INBOARD & STERNDRIVE

Various Models		88-On	2nd Prod w/ 1 Hole Mount w/ Tach Ho	PS	12	8EM2007K	PH300-0010	•
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## U.S. MARINE

### INBOARD & STERNDRIVE

Various Models		89-On	2nd Prod w/ 3 Hole Mount w/ Tach Ho	MO	12	8MR2199K	PH300-0009	
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## UNIVERSAL

### INBOARD

Atomic Four	4 Cyl Gas	64-65		PS	12	ALE5204S	PH300-0028	•
Atomic Four	4 Cyl Gas	63		PS	12	ALE5204S	PH300-0028	•
Utility Four	4 Cyl Gas	64-65		PS	12	ALE5204S	PH300-0028	•
Utility Four	4 Cyl Gas	63		PS	12	ALE5204S	PH300-0028	•

## VALEO

### MARINE ALTERNATORS

Various Models	Various Engines	75-On	Various Manufacturers	PR	12	A13N147M	PH300-0008	•
Various Models	Various Engines	75-On		VA	12	A13N148M	PH300-0008	•
Various Models	Various Engines	75-On		PR	12	A13N1M	PH300-0008	•
Various Models	Various Engines	75-On		PR	12	A13N2M	PH300-0008	•



# APPLICATIONS - MARINE ALTERNATORS

**PROTORQUE - Marine Alternators**

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>VOLVO PENTA</b>								
<b>INBOARD &amp; STERNDRIVE</b>								
3.0GL	4cyl, 181ci, 3.0L Gas	93-99	Mando System	MD	12	3860769	PH300-0010	•
3.0GLM	4cyl, 181ci, 3.0L Gas	00-07	GLM-A -B 75A Valeo	VA	12	3862613	PH300-0037	
3.0GLM	4cyl, 181ci, 3.0L Gas	00-07	GLM-C 75A Valeo	VA	12	3862665	PH300-0037	
3.0GLP	4cyl, 181ci, 3.0L Gas	00-07	GLM-A -B 75A Valeo	VA	12	3862613	PH300-0037	
3.0GLP	4cyl, 181ci, 3.0L Gas	00-07	GLP-C, -D, -E 75A Valeo	VA	12	3862665	PH300-0037	
3.0GS	4cyl, 181ci, 3.0L Gas	93-99	MEF, PEF, Engines only 65A Mando	MD	12	3860082	PH300-0017	•
3.0GS	4cyl, 181ci, 3.0L Gas	93-99	65A Mando (Exc. MEF, PEF Engines)	MD	12	3856600	PH300-0014	
3.0GS	4cyl, 181ci, 3.0L Gas	93-99	55A Mando (Exc. MEF, PEF Engines)	MD	12	3860769	PH300-0010	•
3.0GSM	4cyl, 181ci, 3.0L Gas	00-02	GSM-A, -B, -C (65A Mando)	MD	12	3860082	PH300-0017	•
3.0GSP	4cyl, 181ci, 3.0L Gas	00-02	GSP-A, -B, -C (65A Mando)	MD	12	3860082	PH300-0017	•
4.3GI	6cyl, 262ci, 4.3L Gas	93-99	w/65A Mando	MD	12	3854185	PH300-0014	
4.3GI	6cyl, 262ci, 4.3L Gas	93-99	w/55A Mando	MD	12	3860769	PH300-0010	•
4.3GL	6cyl, 262ci, 4.3L Gas	00-07	GL-B thru GL-EF w/ 65A Valeo	VA	12	3862612	PH300-0036	
4.3GL	6cyl, 262ci, 4.3L Gas	00-07	GL-A w/ 65A Mando	MD	12	3854182	PH300-0014	
4.3GL	6cyl, 262ci, 4.3L Gas	93-99	w/65A Mando	MD	12	3854182	PH300-0014	
4.3GL	6cyl, 262ci, 4.3L Gas	93-99	w/55A Mando	MD	12	3860769	PH300-0010	•
4.3GS	6cyl, 262ci, 4.3L Gas	93-99	w/65A Mando	MD	12	3854185	PH300-0014	
4.3GS	6cyl, 262ci, 4.3L Gas	93-99	w/55A Mando	MD	12	3860769	PH300-0010	•
4.3GXI, OSI	6cyl, 262ci, 4.3L Gas	00-07	E thru -GF w/ 75A Valeo	VA	12	3884950	PH300-0037	
4.3GXI, OSI	6cyl, 262ci, 4.3L Gas	00-07	C thru -DF w/ 75A Valeo	MD	12	3862613	PH300-0037	
4.3GXI, OSI	6cyl, 262ci, 4.3L Gas	00-07	A thru -BF w/ 65A Mando	MD	12	3860082	PH300-0017	•
5.0FI	8cyl, 302ci, 5.0L Ford	93-99	w/65A Mando	MD	12	3857561	PH300-0014	
5.0FI	8cyl, 302ci, 5.0L Ford	93-99	w/55A Mando	MD	12	3860769	PH300-0010	•
5.0FL	8cyl, 302ci, 5.0L Ford	93-99	w/65A Mando	MD	12	3857561	PH300-0014	
5.0FL	8cyl, 302ci, 5.0L Ford	93-99	w/55A Std. Motorola	MD	12	3860769	PH300-0010	•
5.0GI	8cyl, 305ci, 5.0L GM	97-99	Gi-PEFS Only w/ 65A Mando	MD	12	3860082	PH300-0017	•
5.0GI	8cyl, 305ci, 5.0L GM	97-99	Exc. Gi-PEFS w/65A Mando	MD	12	3857561	PH300-0014	
5.0GL	8cyl, 305ci, 5.0L GM	00-07	H thru -HF w/75A Valeo	VA	12	3884950	PH300-0037	
5.0GL	8cyl, 305ci, 5.0L GM	00-07	C thru -FF w/75A Valeo	VA	12	3862612	PH300-0036	
5.0GL	8cyl, 305ci, 5.0L GM	00-07	A thru -B w/65A Mando	MD	12	3857561	PH300-0014	
5.0GL	8cyl, 305ci, 5.0L GM	97-99	GL-PEFS Only w/65A Mando	MD	12	3860082	PH300-0017	•
5.0GL	8cyl, 305ci, 5.0L GM	97-99	Exc. GL-PEFS w/65A Mando	MD	12	3857561	PH300-0014	
5.0GXI, OSI	8cyl, 305ci, 5.0L GM	01-07	E thru -GF w/ 75A Valeo	VA	12	3884950	PH300-0037	
5.0GXI, OSI	8cyl, 305ci, 5.0L GM	01-07	A thru -DF w/ 65A Mando	MD	12	3860082	PH300-0017	•
5.7GI	8cyl, 350ci, 5.7L Gas	00-07	G thru -GF w/75A Valeo	VA	12	3884950	PH300-0037	
5.7GI	8cyl, 350ci, 5.7L Gas	00-07	E thru -FF w/75A Valeo	VA	12	3862665	PH300-0037	
5.7GI	8cyl, 350ci, 5.7L Gas	00-07	A thru -DF w/65A Mando	MD	12	3860082	PH300-0017	•
5.7GI	8cyl, 350ci, 5.7L Gas	93-99	w/65A Mando	MD	12	3857561	PH300-0014	
5.7GI	8cyl, 350ci, 5.7L Gas	93-99	w/55A Std. Motorola	MD	12	3860769	PH300-0010	•
5.7GIL	8cyl, 350ci, 5.7L Gas	00-07	G w/75A Valeo	VA	12	3884950	PH300-0037	
5.7GIL	8cyl, 350ci, 5.7L Gas	00-07	E thru -F w/75A Valeo	VA	12	3862665	PH300-0037	
5.7GIL	8cyl, 350ci, 5.7L Gas	00-07	A thru -B w/65A Mando	MD	12	3860082	PH300-0017	•
5.7GL	8cyl, 350ci, 5.7L Gas	00-07	C thru -E w/65A Valeo	VA	12	3862612	PH300-0036	
5.7GL	8cyl, 350ci, 5.7L Gas	00-07	A thru -B w/65A Mando	MD	12	3857561	PH300-0014	
5.7GL	8cyl, 350ci, 5.7L Gas	93-99	w/65A Mando	MD	12	3857561	PH300-0014	
5.7GL	8cyl, 350ci, 5.7L Gas	93-99	w/55A Std. Motorola	MD	12	3860769	PH300-0010	•
5.7GLI	8cyl, 350ci, 5.7L Gas	93-99	w/65A Mando	MD	12	3857561	PH300-0014	
5.7GS	8cyl, 350ci, 5.7L Gas	93-99	w/65A Mando	MD	12	3857561	PH300-0014	
5.7GS	8cyl, 350ci, 5.7L Gas	93-99	w/55A Std. Motorola	MD	12	3860769	PH300-0010	•
5.7GSI	8cyl, 350ci, 5.7L Gas	93-99	w/65A Mando	MD	12	3857561	PH300-0014	
5.7GSI	8cyl, 350ci, 5.7L Gas	93-99	w/55A Std. Motorola	MD	12	3860769	PH300-0010	•
5.7GSIL	8cyl, 350ci, 5.7L Gas	00-02	A w/65A Mando	MD	12	3860082	PH300-0017	•
5.7GXI	8cyl, 350ci, 5.7L Gas	00-07	H thru -HF w/75A Valeo	VA	12	3884950	PH300-0037	
5.7GXI	8cyl, 350ci, 5.7L Gas	00-07	F thru -GF w/75A Valeo	VA	12	3862665	PH300-0037	
5.7GXI	8cyl, 350ci, 5.7L Gas	00-07	A thru -F w/65A Mando	MD	12	3860082	PH300-0017	•
5.7GXIL	8cyl, 350ci, 5.7L Gas	00-07	H w/75A Valeo	VA	12	3884950	PH300-0037	
5.7GXIL	8cyl, 350ci, 5.7L Gas	00-07	F thru -G w/75A Valeo	VA	12	3862665	PH300-0037	
5.7GXIL	8cyl, 350ci, 5.7L Gas	00-07	A thru -C w/65A Mando	MD	12	3860082	PH300-0017	•
5.7OSI	8cyl, 350ci, 5.7L Gas	00-07	G w/75A Valeo	VA	12	3884950	PH300-0037	
5.7OSI	8cyl, 350ci, 5.7L Gas	00-07	D thru -EF w/75A Valeo	VA	12	3862665	PH300-0037	
5.7OSI	8cyl, 350ci, 5.7L Gas	00-07	A thru -CF w/65A Mando	MD	12	3860082	PH300-0017	•
5.7OSXI	8cyl, 350ci, 5.7L Gas	00-07	G thru -GF w/75A Valeo	VA	12	3884950	PH300-0037	
5.7OSXI	8cyl, 350ci, 5.7L Gas	00-07	D thru -EF w/75A Valeo	VA	12	3862665	PH300-0037	
5.7OSXI	8cyl, 350ci, 5.7L Gas	00-07	A thru -CF w/65A Mando	MD	12	3860082	PH300-0017	•
5.8L	8cyl, 351ci, 5.8L Gas	93-96	w/65A Mando	MD	12	3857561	PH300-0014	
5.8L	8cyl, 351ci, 5.8L Gas	93-96	w/55A Std. Mando	MD	12	3860769	PH300-0010	•
5.8FI	8cyl, 351ci, 5.8L Gas	93-96	w/65A Mando	MD	12	3857561	PH300-0014	
5.8FI	8cyl, 351ci, 5.8L Gas	93-96	w/55A Mando	MD	12	3860769	PH300-0010	•
5.8FL	8cyl, 351ci, 5.8L Gas	93-96	w/65A Mando	MD	12	3857561	PH300-0014	
5.8FSI	8cyl, 351ci, 5.8L Gas	93-96	w/65A Mando	MD	12	3857561	PH300-0014	
7.4GI	8cyl, 454ci, 7.4L Gas	94-99	w/65A Mando (Double Large Spool)	MD	12	3860082	PH300-0017	•
7.4GI	8cyl, 454ci, 7.4L Gas	94-99	w/65A Mando (Single Large Spool)	MD	12	3857561	PH300-0014	
7.4GL	8cyl, 454ci, 7.4L Gas	94-99	w/65A Mando	MD	12	3857561	PH300-0014	
7.4GL	8cyl, 454ci, 7.4L Gas	94-99	w/55A Std. Mando	MD	12	3860769	PH300-0010	•
7.4GSI	8cyl, 454ci, 7.4L Gas	94-99	w/65A Mando (Double Large Spool)	MD	12	3860082	PH300-0017	•



# APPLICATIONS - MARINE ALTERNATORS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>VOLVO PENTA - continued</b>							
<b>INBOARD &amp; STERNDRIVE - continued</b>							
7.4GSI	8cyl, 454ci, 7.4L Gas	94-99	w/65A Mando (Single Large Spool)	MD	12	3857561	PH300-0014
8.1GI	8cyl, 496ci, 8.1L Gas	00-07	C thru -HF w/75A Valeo	VA	12	3862665	PH300-0037
8.1GI	8cyl, 496ci, 8.1L Gas	00-07	A thru -BF w/65A Valeo	VA	12	3860798	PH300-0017
8.1GIL	8cyl, 496ci, 8.1L Gas	00-07	C thru -H w/75A Valeo	VA	12	3862665	PH300-0037
8.1GIL	8cyl, 496ci, 8.1L Gas	00-07	A thru -B w/65A Valeo	VA	12	3860798	PH300-0017
8.1GSI	8cyl, 496ci, 8.1L Gas	00-02	w/65A Valeo	VA	12	3860798	PH300-0017
8.1GSIL	8cyl, 496ci, 8.1L Gas	00-02	w/65A Valeo	VA	12	3860798	PH300-0017
8.1GXI	8cyl, 496ci, 8.1L Gas	00-07	B thru -GF w/75A Valeo	VA	12	3862665	PH300-0037
8.1GXI	8cyl, 496ci, 8.1L Gas	00-07	A thru -AF w/65A Valeo	VA	12	3860798	PH300-0017
8.1GXIL	8cyl, 496ci, 8.1L Gas	00-07	B thru -G w/75A Valeo	VA	12	382665	PH300-0037
8.1GXIL	8cyl, 496ci, 8.1L Gas	00-07	A w/65A Valeo	VA	12	3860798	PH300-0017
8.1OSI	8cyl, 496ci, 8.1L Gas	01-07	w/75A Valeo	VA	12	3862665	PH300-0037
8.2GL	8cyl, 502ci, 8.2L Gas	94-99	w/65A Mando	MD	12	3857561	PH300-0014
8.2GL	8cyl, 502ci, 8.2L Gas	94-99	w/55A Std Mando	MD	12	3860769	PH300-0010
8.2GSI	8cyl, 502ci, 8.2L Gas	94-99	w/65A Mando (Double Large Spool)	MD	12	3860082	PH300-0017
8.2GSI	8cyl, 502ci, 8.2L Gas	94-99	w/65A Mando (Single Large Spool)	MD	12	3857561	PH300-0014
431A,B	6cyl, 262ci, 4.3L Gas	89-92	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
431A,B	6cyl, 262ci, 4.3L Gas	89-92	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
432A,B	6cyl, 262ci, 4.3L Gas	92-98	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
432A,B	6cyl, 262ci, 4.3L Gas	92-98	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
434A,B	6cyl, 262ci, 4.3L Gas	92-97	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
434A,B	6cyl, 262ci, 4.3L Gas	92-97	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
500A,B	8cyl, 305ci, 5.0L Gas	89-93	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
500A,B	8cyl, 305ci, 5.0L Gas	89-93	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
501A,B	8cyl, 305ci, 5.0L Gas	89-93	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
501A,B	8cyl, 305ci, 5.0L Gas	89-93	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
570A	8cyl, 350ci, 5.7L Gas	89-93	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
570A	8cyl, 350ci, 5.7L Gas	89-93	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
572A,B	8cyl, 350ci, 5.7L Gas	91-98	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
572A,B	8cyl, 350ci, 5.7L Gas	91-98	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
740A,B	8cyl, 454ci, 7.4L Gas	89-93	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
740A,B	8cyl, 454ci, 7.4L Gas	89-93	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
2001	1cyl Diesel	83-93	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
2002	2cyl Diesel	83-93	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
2002	2cyl Diesel	83-93	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
2003,T	3cyl Diesel	83-93	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
2003,T	3cyl Diesel	83-93	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
AD31,A,B,D,L,P,X	4cyl, 146ci, 2.4L Diesel	86-04	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
AD31,A,B,D,L,P,X	4cyl, 146ci, 2.4L Diesel	86-04	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE
AD41A,B,D,L,P	6cyl, 219ci, 3.6L Diesel	88-05	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
AD290	6cyl, 219ci, 3.6L Diesel	All	w/50A Paris Rhone	PR	12	A13N147M	PH300-0008
AQ21A	6cyl, 219ci, 3.6L Diesel	All	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE
AQ100	4cyl Gas	61-63	w/30A Paris Rhone	PS	24	A13N1M	PH300-0025-OE
AQ100	4cyl Gas	61-63	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE
AQ115A,B,C	4cyl Gas	69-77	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
AQ115A,B,C	4cyl Gas	69-77	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE
AQ120	4cyl Gas	66-80	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
AQ120	4cyl Gas	66-80	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE
AQ120B	4cyl Gas	66-80	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
AQ125A,B	4cyl Gas	81-85	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
AQ125A,B	4cyl Gas	81-85	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE
AQ125A,B	4cyl Gas	81-85	w/50A Paris Rhone	PR	12	A13N147M	PH300-0008
AQ125A,B	4cyl Gas	81-85	w/50A Paris Rhone	PR	12	A13N2M	PH300-0008
AQ130A,B,C,D	4cyl Gas	68-77	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
AQ130A,B,C,D	4cyl Gas	68-77	w/35A Motorola	MO	12	9AR2775N	PH300-0024-OE
AQ131A,B,C,D	4cyl Gas	85-89	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
AQ131A,B,C,D	4cyl Gas	85-89	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE
AQ131A,B,C,D	4cyl Gas	85-89	w/50A Paris Rhone	PR	12	A13N147M	PH300-0008
AQ131A,B,C,D	4cyl Gas	85-89	w/50A Paris Rhone	PR	12	A13N2M	PH300-0008
AQ140A	4cyl Gas	75-79	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
AQ140A	4cyl Gas	75-79	w/50A Paris Rhone	PR	12	A13N2M	PH300-0008
AQ140A	4cyl Gas	75-79	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE
AQ145	4cyl Gas	79-85	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
AQ145	4cyl Gas	79-85	w/50A Paris Rhone	PR	12	A13N147M	PH300-0008
AQ145A	4cyl Gas	79-85	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
AQ145A	4cyl Gas	79-85	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
AQ145B	4cyl Gas	79-85	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE
AQ145B	4cyl Gas	79-85	w/50A Paris Rhone	PR	12	A13N147M	PH300-0008
AQ145B	4cyl Gas	79-85	w/50A Paris Rhone	PR	12	A13N2M	PH300-0008
AQ165	6cyl Gas	68-69	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
AQ165A	6cyl Gas	68-69	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
AQ165A	6cyl Gas	68-69	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE
AQ170A,B,C,D	6cyl Gas	69-80	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
AQ170A,B,C,D	6cyl Gas	69-80	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE
AQ171A	4cyl Gas	All	w/50A Paris Rhone	PR	12	A13N147M	PH300-0008

PROTORQUE - Marine Alternators



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# APPLICATIONS - MARINE ALTERNATORS

**PROTORQUE - Marine Alternators**

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>VOLVO PENTA - continued</b>								
<b>INBOARD &amp; STERNDRIVE - continued</b>								
AQ171A	4cyl Gas	All	w/50A Paris Rhone	PR	12	A13N2M	PH300-0008	•
AQ175	6cyl Gas	All	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
AQ175A	6cyl Gas	81-85	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQ175A	6cyl Gas	81-85	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008	•
AQ200A,B,C	8cyl Gas	69-86	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQ200A,B,C	8cyl Gas	69-86	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
AQ200D	8cyl Gas	All	w/50A Paris Rhone	PR	12	A13N147M	PH300-0008	•
AQ200D	8cyl Gas	All	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008	•
AQ205	6cyl Gas	All	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
AQ205A	6cyl Gas	88-89	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQ205A	6cyl Gas	88-89	w/50A Paris Rhone	PR	12	A13N147M	PH300-0008	•
AQ211	8cyl Gas	All	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
AQ211A	8cyl Gas	86-89	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQ225A,B,C,D,F	8cyl Gas	73-86	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQ225A,B,C,D,F	8cyl Gas	73-86	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
AQ225A,B,C,D,F	8cyl Gas	73-86	Paris Rhone System	PR	12	A13N1M	PH300-0008	•
AQ231A,B	8cyl Gas	86-89	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQ231A,B	8cyl Gas	86-89	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
AQ231A,B	8cyl Gas	86-89	w/50A Paris Rhone	PR	12	A13N147M	PH300-0008	•
AQ255A,B	8cyl Gas	77-78	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQ256	8cyl Gas	All	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQ260	8cyl Gas	All	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQ260	8cyl Gas	All	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
AQ260A,B	8cyl Gas	78-85	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQ260A,B	8cyl Gas	78-85	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008	•
AQ271A,B,C	8cyl Gas	86-89	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQ271A,B,C	8cyl Gas	86-89	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
AQ271A,B,C	8cyl Gas	86-89	w/50A Paris Rhone	PR	12	A13N147M	PH300-0008	•
AQ280	8cyl Gas	All	w/60A Paris Rhone	PR	12	A132N34	PH300-0027-OE	
AQ280A	8cyl Gas	78-79	w/60A Paris Rhone	PR	12	A132N34	PH300-0027-OE	
AQ290	8cyl Gas	All	w/60A Paris Rhone	PR	12	A132N34	PH300-0027-OE	
AQ290	8cyl Gas	All	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
AQ290	8cyl Gas	All	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008	•
AQ290A	8cyl Gas	79-85	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQ290A	8cyl Gas	79-85	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008	•
AQ311	8cyl Gas	All	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
AQ311A,B	8cyl Gas	86-89	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQAD30A	4cyl Diesel	83-86	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQAD30A	4cyl Diesel	83-86	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
AQAD31A	4cyl Diesel	86-89	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQAD31A	4cyl Diesel	86-89	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
AQAD40A,B	6cyl 219ci, 3.6L Diesel	80-86	w/60A Paris Rhone	PR	12	A13234N	PH300-0027-OE	
AQAD40A,B	6cyl 219ci, 3.6L Diesel	80-86	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
AQAD40A,B	6cyl 219ci, 3.6L Diesel	80-86	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008	•
AQAD41	6cyl 219ci, 3.6L Diesel	All	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
AQAD41A,B,D	6cyl 219ci, 3.6L Diesel	86-94	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQAD41A,B,D	6cyl 219ci, 3.6L Diesel	86-94	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
AQAD41A,B,D	6cyl 219ci, 3.6L Diesel	86-94	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008	•
AQD2B	2cyl Diesel	72-75	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQD19	4cyl Diesel	64-68	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE	
AQD21A	4cyl Diesel	68-81	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQD21B	4cyl Diesel	68-81	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQD27	6cyl Diesel	63-67	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQD27	6cyl Diesel	63-67	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE	
AQD29A	6cyl Diesel	67-70	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQD29A	6cyl Diesel	67-70	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE	
AQD32A	6cyl Diesel	69-77	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQD32A	6cyl Diesel	69-77	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008	•
AQD32A	6cyl Diesel	69-77	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE	
AQD40A,B	6cyl Diesel	77-86	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQD40A,B	6cyl Diesel	77-86	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
AQD41	6cyl Diesel	All	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
AQD41A	6cyl Diesel	86-89	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
AQD41A	6cyl Diesel	86-89	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
AQD70B	6cyl Diesel	71-82	w/30A Paris Rhone	PR	24	A13N143M	PH300-0025-OE	
AQD70B	6cyl Diesel	71-82	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE	
AQD70BL	6cyl Diesel	71-82	w/30A Paris Rhone	PR	24	A13N143M	PH300-0025-OE	
AQD70BL	6cyl Diesel	71-82	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE	
AQD70C	6cyl Diesel	71-82	w/30A Paris Rhone	PR	24	A13N143M	PH300-0025-OE	
AQD70D	6cyl Diesel	71-82	w/30A Paris Rhone	PR	24	A13N143M	PH300-0025-OE	
AS130C	6cyl Diesel	All	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE	
AS270TD	6cyl Diesel	All	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE	
B18M	6cyl Diesel	All	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE	
B21	6cyl Diesel	All	w/50A Paris Rhone	PR	12	A13N2M	PH300-0008	•
B23	6cyl Diesel	All	w/50A Paris Rhone	PR	12	A13N2M	PH300-0008	•





# APPLICATIONS - MARINE ALTERNATORS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>VOLVO PENTA - continued</b>							
<b>INBOARD &amp; STERNDRIVE - continued</b>							
BB115A,B,C	4cyl Gas	69-77	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
BB115A,B,C	4cyl Gas	69-77	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE
BB145	4cyl Gas	All	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
BB145A	4cyl Gas	79-85	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
BB165A	6cyl Gas	65-69	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
BB170	6cyl Gas	69-78	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE
BB170B	6cyl Gas	69-78	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
BB170C	6cyl Gas	69-78	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
BB225A,B,C	8cyl Gas	73-77	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
BB225A,B,C	8cyl Gas	73-77	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE
BB231A	8cyl Gas	87	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
BB231A	8cyl Gas	87	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE
BB260A,B,C	8cyl Gas	78-87	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
BB260A,B,C	8cyl Gas	78-87	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE
BB261A	8cyl Gas	88-89	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
BB261A	8cyl Gas	88-89	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE
D1-20A,B	3cyl, 46.5ci, .76L Diesel	05-07	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
D1-30A,B	3cyl, 69ci, 1.1L Diesel	05-07	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
D2-40A,B,C	4cyl 92ci, 1.5L Diesel	05-07	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
D2-55A,B,C	4cyl, 134.2ci, 2.2L Diesel	01-07	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
D2-75A	4cyl, 134.2ci, 2.2L Diesel	03-07	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
D41A,B,D,L	6cyl, 219ci, 3.6L Diesel	88-99	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
DPX375	8cyl, 496ci, 8.1L Gas	00-02	w/65A Valeo	VA	12	3860798	PH300-0017
DPX385	8cyl, 454ci, 7.4L Gas	00	w/65A Mando	MD	12	AC165622	PH300-0017
DPX385	8cyl, 454ci, 7.4L Gas	96-99	w/65A Mando	MD	12	AC165618	PH300-0014
DPX415	8cyl, 502ci, 8.2L Gas	00	w/65A Mando	MD	12	AC165622	PH300-0017
DPX415	8cyl, 502ci, 8.2L Gas	96-99	w/65A Mando	MD	12	AC165618	PH300-0014
DPX420	8cyl, 496ci, 8.1L Gas	00-02	w/65A Valeo	VA	12	3860798	PH300-0017
DPX500	8cyl, 502ci, 8.2L Gas	00-02	w/65A Mando	MD	12	AC165622	PH300-0017
DPX500	8cyl, 502ci, 8.2L Gas	99	w/65A Mando	MD	12	AC165618	PH300-0014
DPX525	8cyl, 502ci, 8.2L Gas	00-02	w/65A Mando	MD	12	AC165622	PH300-0017
DPX525	8cyl, 502ci, 8.2L Gas	99	w/65A Mando	MD	12	AC165618	PH300-0014
DPX600	8cyl, 540ci, 8.8L Gas	00-02	w/65A Mando	MD	12	AC165622	PH300-0017
DPX600	8cyl, 540ci, 8.8L Gas	99	w/65A Mando	MD	12	AC165618	PH300-0014
IP5500G	8cyl, 496ci, 8.1L Gas	07	w/75A Valeo	VA	12	3862665	PH300-0037
KAD32P	4cyl, 145ci, 2.4L Diesel	96-05	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
KAD42A,B,P	6cyl, 219ci, 3.6L Diesel	91-01	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
KAD42A,B,P	6cyl, 219ci, 3.6L Diesel	91-01	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE
KAD43P	6cyl, 219ci, 3.6L Diesel	97-05	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
KAD44P	6cyl, 219ci, 3.6L Diesel	97-04	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
KAD300	6cyl, 219ci, 3.6L Diesel	01-05	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
KAMD42A,B,P	6cyl, 219ci, 3.6L Diesel	91-97	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
KAMD42A,B,P	6cyl, 219ci, 3.6L Diesel	91-97	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE
KAMD43P	6cyl, 219ci, 3.6L Diesel	97-05	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
KAMD44P	6cyl, 219ci, 3.6L Diesel	99-04	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
KAMD300	6cyl, 219ci, 3.6L Diesel	01-04	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
MB20	4cyl Gas	All	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
MB20A	4cyl Gas	69-71	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
MB70B	4cyl Gas	All	w/30A Paris Rhone	PR	24	A13N143M	PH300-0025-OE
MD2	4cyl Gas	All	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
MD2B	2cyl Diesel	64-75	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
MD2B	2cyl Diesel	64-75	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
MD2BHY	2cyl Diesel	64-75	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
MD3	3cyl Diesel	All	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
MD3A	3cyl Diesel	All	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE
MD3B	3cyl Diesel	71-75	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
MD3B	3cyl Diesel	71-75	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
MD3B	3cyl Diesel	71-75	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE
MD5	1cyl Diesel	All	w/50A Paris Rhone	PR	12	A13N147M	PH300-0008
MD5	1cyl Diesel	All	w/50A Paris Rhone	PR	12	A13N2M	PH300-0008
MD5	1cyl Diesel	All	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE
MD5A,B,C	1cyl Diesel	75-82	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
MD5A,B,C	1cyl Diesel	75-82	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE
MD6	2cyl Diesel	All	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
MD6A	2cyl Diesel	71-76	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
MD6A	2cyl Diesel	71-76	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE
MD6B	2cyl Diesel	71-76	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
MD7	2cyl Diesel	All	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
MD7	2cyl Diesel	All	w/50A Paris Rhone	PR	12	A13N147M	PH300-0008
MD7	2cyl Diesel	All	w/50A Paris Rhone	PR	12	A13N2M	PH300-0008
MD7	2cyl Diesel	All	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE
MD7A	2cyl Diesel	76-83	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
MD7A	2cyl Diesel	76-83	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
MD7A	2cyl Diesel	76-83	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE
MD7B	2cyl Diesel	76-83	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE

PROTORQUE - Marine Alternators



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# APPLICATIONS - MARINE ALTERNATORS

PROTORQUE - Marine Alternators

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	•
<b>VOLVO PENTA - continued</b>								
<b>INBOARD &amp; STERNDRIVE - continued</b>								
MD7B	2cyl Diesel	76-83	w/50A Paris Rhone	PR	12	A13M259	PH300-0026-OE	
MD11	2cyl Diesel	All	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
MD11	2cyl Diesel	All	w/50A Paris Rhone	PR	12	A13N2M	PH300-0008	•
MD11C	2cyl Diesel	75-81	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
MD11C	2cyl Diesel	75-81	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008	•
MD11D	2cyl Diesel	75-83	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
MD17	3cyl Diesel	75-81	w/50A Paris Rhone	PR	12	A13N2M	PH300-0008	•
MD17C	3cyl Diesel	75-84	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
MD17C	3cyl Diesel	75-84	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008	•
MD17D	3cyl Diesel	75-84	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
MD17D	3cyl Diesel	75-84	w/50A Paris Rhone	PR	12	A13N147M	PH300-0008	•
MD17D	3cyl Diesel	75-84	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008	•
MD18	3cyl Diesel	All	w/50A Paris Rhone	PR	12	A13N147M	PH300-0008	•
MD19	4cyl Diesel	64-68	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE	
MD21	4cyl Diesel	68-78	w/50A Paris Rhone	PR	12	A13N147M	PH300-0008	•
MD21	4cyl Diesel	68-78	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008	•
MD21A	4cyl Diesel	68-79	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
MD21A	4cyl Diesel	68-79	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008	•
MD21B	4cyl Diesel	68-81	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
MD22A,L,P	4cyl, 122ci, 2.0L Diesel	88-02	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
MD27	6cyl Diesel	All	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE	
MD27	6cyl Diesel	All	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
MD29A	6cyl Diesel	All	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
MD29A	6cyl Diesel	All	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE	
MD30	4cyl Diesel	83-86	w/50A Paris Rhone	PR	12	A13N147M	PH300-0008	•
MD30	4cyl Diesel	83-86	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008	•
MD30A	4cyl Diesel	83-86	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
MD30A	4cyl Diesel	83-86	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
MD31A	4cyl Diesel	86-94	w/60A Paris Rhone	PR	12	A13M234	PH300-0027-OE	
MD31A	4cyl Diesel	86-94	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
MD32A	6cyl Diesel	69-77	w/30A Paris Rhone	PS	24	A13M143M	PH300-0025-OE	
MD32A	6cyl Diesel	69-77	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
MD32A	6cyl Diesel	69-77	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008	•
MD40A	6cyl Diesel	76-85	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
MD40A	6cyl Diesel	76-85	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
MD42A	4cyl Diesel	70-79	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE	
MD42B	4cyl Diesel	All	w/30A Paris Rhone	PR	24	A13N143M	PH300-0025-OE	
MD50	6cyl Diesel	All	w/30A Paris Rhone	PR	24	A13N143M	PH300-0025-OE	
MD50A	6cyl Diesel	65-71	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE	
MD70	6cyl, 410ci, 6.7L Diesel	All	w/30A Paris Rhone	PR	24	A13N143M	PH300-0025-OE	
MD70A	6cyl, 410ci, 6.7L Diesel	65-85	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE	
MD70B,C	6cyl, 410ci, 6.7L Diesel	65-85	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE	
MD100	6cyl Diesel	All	w/30A Paris Rhone	PR	24	A13N143M	PH300-0025-OE	
MD100A,B	6cyl Diesel	65-84	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE	
MD100S	6cyl Diesel	All	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE	
MD110S	6cyl Diesel	All	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE	
MD120	6cyl Diesel	All	w/30A Paris Rhone	PR	24	A13N143M	PH300-0025-OE	
MD120A	6cyl Diesel	70-80	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE	
MD2010A,B,C,D	2cyl, 27.3ci, 0.45L	94-05	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
MD2020A,B,C,D	3cyl, 41.3ci, 0.68L	94-02	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
MD2030A,B,C,D	3cyl, 58.2ci, 0.95L	94-02	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
MD2040A,B,C,D	3cyl, 91.3ci, 1.5L	94-02	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
TAMD22P	4cyl, 122ci, 2.0L Diesel	95-03	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
TAMD30,A,B,C	4cyl Diesel	83-86	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
TAMD30,A,B,C	4cyl Diesel	83-86	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008	•
TAMD31A,B,D,L,M,P,S,X	4cyl, 146ci, 2.4L Diesel	85-04	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
TAMD31A,B,D,L,M,P,S,X	4cyl, 146ci, 2.4L Diesel	85-04	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
TAMD40A,B,C	6cyl Diesel	79-86	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
TAMD40A,B,C	6cyl Diesel	79-86	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
TAMD41A	6cyl, 219ci, 3.6L Diesel	86-89	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
TAMD41A	6cyl, 219ci, 3.6L Diesel	86-89	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008	•
TAMD41B,D,H,L,M,P	6cyl, 219ci, 3.6L Diesel	86-05	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
TAMD42A,B,WJ	6cyl, 219ci, 3.6L Diesel	92-03	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
TAMD63L,P	6cyl, 333ci, 5.5L Diesel	94-05	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
TAMD70	6cyl Diesel	All	w/30A Paris Rhone	PR	24	A13N143M	PH300-0025-OE	
TAMD70	6cyl Diesel	All	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE	
TAMD70B,C,D	6cyl Diesel	70-83	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE	
TAMD70E	6cyl Diesel	83-87	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008	•
TAMD71A,B	6cyl, 410ci, 6.7L Diesel	86-00	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
TAMD72A,P,WJ	6cyl, 410ci, 6.7L Diesel	91-97	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
TAMD73P,WJ	6cyl, 411ci, 6.7L Diesel	97-99	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
TAMD74A,C,L,P	6cyl, 444ci, 7.3L Diesel	98-05	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
TAMD75P	6cyl, 444ci, 7.3L Diesel	98-05	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE	
TAMD120	6cyl Diesel	All	w/35A Motorola	MO	24	9AR3711G	PH300-0023-OE	
TAMD120	6cyl Diesel	All	w/35A Motorola	MO	24	9AR3743G	PH300-0023-OE	



# APPLICATIONS - MARINE ALTERNATORS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>VOLVO PENTA - continued</b>							
<b>INBOARD &amp; STERNDRIVE - continued</b>							
TAMD120	6cyl Diesel	All	w/30A Paris Rhone	PR	24	A13N143M	PH300-0025-OE
TAMD120A,B	6cyl Diesel	72-83	w/35A Motorola	MO	24	9AR3649G	PH300-0023-OE
TAMD120A,B	6cyl Diesel	72-83	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE
THAMD70B,C	6cyl Diesel	72-79	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE
TMD22A,P	4cyl, 122ci, 2.0L Diesel	93-02	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
TMD30A,B	4cyl Diesel	83-86	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
TMD30A,B	4cyl Diesel	83-86	w/50A Paris Rhone	PR	12	A13N147M	PH300-0008
TMD30A,B	4cyl Diesel	83-86	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
TMD30A,B	4cyl Diesel	83-86	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE
TMD31A,B,D,L	4cyl, 146ci, 2.4L Diesel	86-97	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
TMD31A,B,D,L	4cyl, 146ci, 2.4L Diesel	86-97	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE
TMD40	6cyl Diesel	All	w/50A Paris Rhone	PR	12	A13N247M	PH300-0008
TMD40	6cyl Diesel	All	w/50A Paris Rhone	PR	12	A13N1M	PH300-0008
TMD40A,B,C	6cyl Diesel	76-86	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
TMD40A,B,C	6cyl Diesel	76-86	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE
TMD41A,B,D,L	6cyl, 219ci, 3.6L	86-97	w/60A Paris Rhone	PR	12	A13N234	PH300-0027-OE
TMD41A,B,D,L	6cyl, 219ci, 3.6L	86-97	w/50A Paris Rhone	PR	12	A13N259	PH300-0026-OE
TMD50	6cyl Diesel	All	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE
TMD50A	6cyl Diesel	65-71	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE
TMD50A	6cyl Diesel	65-71	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE
TMD70A	6cyl, 410ci, 6.7L Diesel	65-85	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE
TMD70B,C	6cyl, 410ci, 6.7L Diesel	72-85	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE
TMD70B,C	6cyl, 410ci, 6.7L Diesel	72-85	w/35A Motorola	MO	12	9AR2775F	PH300-0024-OE
TMD100	6cyl Diesel	All	w/45A Motorola	MO	24	9AR3711G	PH300-0023-OE
TMD100	6cyl Diesel	All	w/45A Motorola	MO	24	9AR3743G	PH300-0023-OE
TMD100A	6cyl Diesel	All	w/30A Paris Rhone	PR	24	A13N143M	PH300-0025-OE
TMD100B,C	6cyl Diesel	65-85	w/45A Motorola	MO	24	9AR3649G	PH300-0023-OE
TMD100B,C	6cyl Diesel	65-85	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE
TMD120	6cyl Diesel	All	w/45A Motorola	MO	24	9AR3711G	PH300-0023-OE
TMD120	6cyl Diesel	All	w/45A Motorola	MO	24	9AR3743G	PH300-0023-OE
TMD120A,B	6cyl Diesel	70-84	w/45A Motorola	MO	24	9AR3649G	PH300-0023-OE
TMD120A,B	6cyl Diesel	70-84	w/30A Paris Rhone	PS	24	A13N143M	PH300-0025-OE

## WESTERBEKE

<b>INBOARD</b>							
Various		63-On	Motorola 51A Alternator	MO	12	8MR2048K	PH300-0009
Various		85-On	2nd Prod w/3 Hole Mount w/ Tach Hod	MO	12	8MR2199K	PH300-0009

## YANMAR

<b>ENGINES-MARINE</b>							
1GM	1cyl, 19.41ci, 0.318L Diesel	80-84	w/2 Pin Regulator Hookup	HI	12	LR135-105	PH300-0005
1GML	1cyl, 19.41ci, 0.318L Diesel	82-On	w/ Hitachi 35A (To s/n 3690)	HI	12	LR135-105	PH300-0005
1GMY	1cyl, 19.41ci, 0.318L Diesel	82-On	w/ Hitachi 35A (To s/n 3690)	HI	12	LR135-105	PH300-0005
1GM10	1cyl, 19.41ci, 0.318L Diesel	82-On	w/ Hitachi 35A (To s/n 3690)	HI	12	LR135-105	PH300-0005
1GM10C	1cyl, 19.41ci, 0.318L Diesel	82-84	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
1GM10L	1cyl, 19.41ci, 0.318L Diesel	82-On	w/ Hitachi 35A (To s/n 3690)	HI	12	LR135-105	PH300-0005
2GM	2cyl Diesel	80-84	w/2 Pin Regulator Hookup	HI	12	LR135-105	PH300-0005
2GMF	2cyl Diesel	80-84	w/2 Pin Regulator Hookup	HI	12	LR135-105	PH300-0005
2GMFL	2cyl Diesel	All	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
2GMFY(E)-E	2cyl Diesel	All	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
2GML	2cyl Diesel	All	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
2GMYE-EC	2cyl Diesel	All	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
2GMZ	2cyl, 0.586L Diesel	All	w/2 Pin Regulator Hookup	HI	12	LR135-105	PH300-0005
2GM20	2cyl, 38.81ci, 0.636L Diesel	82-On	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
2QM15	2cyl, 0.662L Diesel	77-80	w/2 Pin Regulator Hookup	HI	12	LR135-105	PH300-0005
2TD	2cyl Diesel	82-On	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
2TM	2cyl Diesel	82-On	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
3GM	3cyl Diesel	80-84	w/2 Pin Regulator Hookup	HI	12	LR135-105	PH300-0005
3GMD	3cyl Diesel	82-On	w/2 Pin Regulator Hookup	HI	12	LR135-105	PH300-0005
3GMF	3cyl Diesel	82-On	w/2 Pin Regulator Hookup	HI	12	LR135-105	PH300-0005
3GMFY-E	3cyl Diesel	82-On	Standard Hitachi 35A	HI	12	LR135-105	PH300-0005
3GMLE	3cyl Diesel	82-On	Standard Hitachi 35A	HI	12	LR135-105	PH300-0005
3HM	3cyl Diesel	80-84	w/2 Pin Regulator Hookup	HI	12	LR135-105	PH300-0005
3HMF	3cyl Diesel	80-84	w/2 Pin Regulator Hookup	HI	12	LR135-105	PH300-0005
3JH2	3cyl Diesel	91-99	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
3JH2	3cyl Diesel	91-99	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
3JH2BE	3cyl Diesel	91-99	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
3JH2E	3cyl Diesel	91-99	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
3JH3	3cyl Diesel	99-03	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
3JH3	3cyl Diesel	99-03	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
3JH3E	3cyl Diesel	All	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
3JH3E-YEU	3cyl Diesel	All	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
3JH3Z	3cyl Diesel	All	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
3JH4E	3cyl, 100ci, 1.64L Diesel	03-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
3TD	3cyl, 100ci, 1.64L Diesel	All	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005

PROTORQUE - Marine Alternators



TOLL FREE: 844-786-7783 LOCAL: 609-654-6020  
 FAX: 609-654-5710 WEB: www.protorqueparts.com

# APPLICATIONS - MARINE ALTERNATORS

PROTORQUE - Marine Alternators

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>YANMAR - continued</b>							
<b>ENGINES-MARINE - continued</b>							
3TM	3cyl, 100ci, 1.64L Diesel	All	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
3TNE84	3cyl Diesel	All	w/ Hitachi 40A Alternator	HI	12	LR140-714B	PH300-0020
3TNE88	3cyl Diesel	All	w/ Hitachi 40A Alternator	HI	12	LR140-714B	PH300-0020
3YM20	3cyl Diesel	04-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
3YM30	3cyl, 68ci, 1.116L Diesel	04-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4GM	4cyl Diesel	85-On	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
4JH	4cyl Diesel	82-On	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
4JH-HT	4cyl Diesel	82-On	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
4JH-HT-Z	4cyl Diesel	82-On	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
4JH-T	4cyl Diesel	82-On	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
4JH-TE	4cyl Diesel	82-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4JH-TZ	4cyl Diesel	82-On	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
4JH2-CE	4cyl Diesel	88-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4JH2-DTE	4cyl Diesel	88-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4JH2-E	4cyl Diesel	88-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4JH2-THE	4cyl Diesel	88-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4JH2-TE	4cyl Diesel	88-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4JH2-UTE	4cyl Diesel	88-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
2JH2L-HTNE	4cyl Diesel	88-On	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
4JH2L-TNE	4cyl Diesel	88-On	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
4JH3	4cyl Diesel	94-03	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
4JH3-CE	4cyl Diesel	94-03	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4JH3-DTE	4cyl Diesel	94-03	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4JH3-THE	4cyl Diesel	94-03	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4JH3-TCE	4cyl Diesel	94-03	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4JH3-TE	4cyl Diesel	94-03	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4JH3E	4cyl Diesel	94-03	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4JH3ZA	4cyl Diesel	94-03	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
4JHE	4cyl Diesel	All	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4JHZ	4cyl Diesel	All	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
4LH-DTE	4cyl Diesel	87-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4LH-HTE	4cyl Diesel	87-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4LH-STE	4cyl Diesel	87-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4LH-TE	4cyl Diesel	All	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4LHA-DTE	4cyl Diesel	All	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4LHA-DTZ	4cyl Diesel	All	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4LHA-HTE	4cyl Diesel	All	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4LHA-HTZE	4cyl Diesel	All	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4LHA-STE	4cyl Diesel	All	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4LHA-STZE	4cyl Diesel	All	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
4TD	4cyl Diesel	82-On	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
4TM	4cyl Diesel	82-On	w/ Hitachi 35A Alternator	HI	12	LR135-105	PH300-0005
4TNE84	4cyl, 1.995L Diesel	89-On	w/ Hitachi 40A Alternator	HI	12	LR140-714B	PH300-0020
4TNE88	4cyl, 2.190L Diesel	89-On	w/ Hitachi 40A Alternator	HI	12	LR140-714B	PH300-0020
6LP-DT	6cyl Diesel	97-On	w/ Denso 80A Alternator	DN	12	101211-9940	PH300-0018
6LP-DTE	6cyl Diesel	97-On	w/ Denso 80A Alternator	DN	12	101211-9940	PH300-0018
6LP-DTZE	6cyl Diesel	97-On	w/ Denso 80A Alternator	DN	12	101211-9940	PH300-0018
6LP-DTZE1	6cyl Diesel	97-On	w/ Denso 80A Alternator	DN	12	101211-9940	PH300-0018
6LP-DTZY	6cyl Diesel	97-On	w/ Denso 80A Alternator	DN	12	101211-9940	PH300-0018
6LP-ST	6cyl Diesel	97-On	w/ Denso 80A Alternator	DN	12	101211-9940	PH300-0018
6LP-STE	6cyl Diesel	97-On	w/ Denso 80A Alternator	DN	12	101211-9940	PH300-0018
6LP-STZE	6cyl Diesel	97-On	w/ Denso 80A Alternator	DN	12	101211-9940	PH300-0018
6LY-ST	6cyl Diesel	92-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
6LY-STE	6cyl Diesel	92-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
6LY-STM	6cyl Diesel	92-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
6LY-STZY	6cyl Diesel	92-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
6LY-UT	6cyl Diesel	92-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
6LY-UTE	6cyl Diesel	92-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
6LY-UTM	6cyl Diesel	92-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
6LY-UTZY	6cyl Diesel	92-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
6LY2-STE	6cyl Diesel	92-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
6LYA-STE	6cyl Diesel	92-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
6LYA-UTE	6cyl Diesel	92-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
6LYM-STE	6cyl Diesel	92-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
6LYM-UTE	6cyl Diesel	92-On	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
KBW-20	6cyl Diesel	All	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
KBW-21	6cyl Diesel	All	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
KM2A	6cyl Diesel	All	w/ Hitachi 35A Alternator (Earlier)	HI	12	LR135-105	PH300-0005
KM2P	6cyl Diesel	All	w/ Hitachi 35A Alternator (Earlier)	HI	12	LR135-105	PH300-0005
KM3A	6cyl Diesel	All	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
KM3V	6cyl Diesel	All	w/ Hitachi 35A Alternator (Earlier)	HI	12	LR135-105	PH300-0005
KM5A	6cyl Diesel	All	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
UJH2E	6cyl Diesel	All	w/ Hitachi 80A Alternator	HI	12	LR180-03C	PH300-0002
Y-5M	6cyl Diesel	All	w/ Hitachi 35A Alternator (Earlier)	HI	12	LR135-105	PH300-0005



**PLEASE NOTE**

This page offers optional PROTORQUE part numbers for those units listed within the Marine Alternator application section marked with the symbol “●”.

Please review the OPTIONAL UNITS chart below and note that images along with added information may be found in the Buyer's Guide section of the catalog. Buyer's Guide pages for each part number can be found in the chart below.

PROTORQUE #	OPTIONAL PROTORQUE #	DESCRIPTION	BUYER'S GUIDE PG #
<b>ALTERNATORS</b>			
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PH300-0004	PH300-0004-HO	HIGH OUTPUT VERSION	Page 26
PH300-0008	PH300-0008-D	DELCO VERSION	Page 27
PH300-0008	PH300-0008-DHO	HIGH OUTPUT DELCO VERSION	Page 27
PH300-0008	PH300-0008-OE	OE VERSION	Page 27
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PH300-0010	PH300-0013-CHO	1-WIRE CHROME HIGH OUTPUT DELCO VERSION	Page 28
PH300-0010	PH300-0013-HO	1-WIRE HIGH OUTPUT DELCO VERSION	Page 28
PH300-0010	PH300-0016	HIGH OUTPUT MANDO VERSION	Page 28
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PH300-0016	PH300-0022-HO	2-WIRE HIGH OUTPUT DELCO VERSION	Page 29
PH300-0017	PH300-0017-DHO	HIGH OUTPUT DELCO VERSION	Page 29
PH300-0022	PH300-0022-CHO	CHROME HIGH OUTPUT DELCO VERSION	Page 30
PH300-0022	PH300-0022-HO	HIGH OUTPUT DELCO VERSION	Page 29
PH300-0028	PH300-0028-HO	HIGH OUTPUT VERSION	Page 31





**PH300-0001 12 Volt, 100 Amp**

*Delco Aftermarket Replacement*

Delco Universal Marine Diesel Alternator  
27SI Type 200 Series  
Negative Ground with Adjustable Regulator

Pulley Not Included

**Replaces:**

DELCO  
1100080, 1100091,  
1100215



**PH300-0002 12 Volt, 80 Amp**

*Hitachi Aftermarket Replacement*

Yanmar Diesel with Internal Regulator, Fan, and Single Pulley  
Fits Yanmar 3JH, 4LH, 6CX, & 6LY Engines

Includes P-Terminal

**Replaces:**

HITACHI  
LR180-03A, -3B, -3C  
YANMAR  
119573-77200, -201,  
129470-77200  
129772-77200



**PH300-0003 12 Volt, 63 Amp**

*Delco Aftermarket Replacement*

**PH300-0003-HO 12 Volt, 105 Amp**

*High Output Delco Replacement*

Delco 10SI Universal Alternator with Self-Exciting Regulator, 1-Wire Hook-Up, Complete with Protective Screens and Single Pulley

Replaces Motorola Units with 1" Mounting Foot and 1/2" Hole Diameter

**See Also:**

PH300-0004  
(2-Wire Hook-Up)  
PH300-0004-HO  
(2-Wire Hook-Up High Output Version)



**PH300-0004 12 Volt, 63 Amp**

*Delco Aftermarket Replacement*

**PH300-0004-HO 12 Volt, 105 Amp**

*High Output Delco Replacement*

Delco 10SI Universal Alternator with Self-Exciting Regulator, 2-Wire Hook-Up, Complete with Protective Screens and Single Pulley

Replaces Motorola Units with 1" Mounting Foot and 1/2" Hole Diameter

**See Also:**

PH300-0003  
(1-Wire Hook-Up)  
PH300-0001-HO  
(1-Wire Hook-Up High Output Version)



**PH300-0005 12 Volt, 35 Amp**

*Hitachi Aftermarket Replacement*

Yanmar Diesel with Internal Regulator, Fan, and Single Pulley  
Fits Yanmar 1GM, 2GM, 3GM, & 3HM Engines

**Replaces:**

HITACHI  
LR135-105  
YANMAR  
128270-77200  
128270-77201  
128270-77202



**PH300-0006 24 Volt, 80 Amp**

*Delco Aftermarket Replacement*

Delco Universal Marine Diesel Alternator 27SI Type 200 Series Negative Ground with Adjustable Regulator

Pulley Not Included

**Replaces:**

DELCO  
1100077, 1100211,  
1105475





**PH300-0007 12 Volt, 63 Amp**

*Delco Aftermarket Replacement*

Delco Type Alternator to Replace Prestolite & OMC with Self-Exciting Regulator, 1-Wire Hook-Up, Complete with Protective Screens and Single Pulley

**Replaces:**

OMC  
985964  
PRESTOLITE  
ALK6207, ALK6210,  
ALK6222



**PH300-0009 12 Volt, 55 Amp**

*Mando Aftermarket Replacement*

Replacement Alternator for Crusader & Various Other Applications with Adjustable 3 Ear Mount, Internal Regulator & Single Pulley

**Replaces:**

CRUSADER  
39049  
39200  
YAMAHA  
19-1400-10



**PH300-0008 12 Volt, 50 Amp**

*Valeo Aftermarket Replacement*

**PH300-0008-OE 12 Volt, 50 Amp**

*Valeo OE Replacement*

New Alternator for Volvo Penta and Others with Internal Regulator

Aftermarket Unit  
PH300-0008 Includes Pulley, OE Unit  
PH300-0008-OE Does Not Include Pulley

**Replaces:**

PARIS RHONE  
A13N2M, A13N147M,  
A13N148M  
VOLVO  
826495, 834609, 834625-6, 841765-1, 858838-6



**PH300-0010 12 Volt, 55 Amp**

*Mando Aftermarket Replacement*

Replacement Alternator for Mercruiser, Volvo and Others 12 Volt, 55 Amp with Internal Regulator and Single Pulley

See PH300-0016 for 65 Amp Version

**Replaces:**

MERCURY  
98555, 12449, 19685,  
817119, 817119-1,-2,  
817119A1, 817119A4  
OMC  
3854809, 3860769  
VOLVO  
3850927-9, 3853853-4, 3854809-5



**PH300-0008-D 12 Volt, 63 Amp**

*Delco Aftermarket Replacement*

**PH300-0008-DHO 12 Volt, 105 Amp**

*High Output Delco Replacement*

Delco Type Alternator to Replace Valeo & Paris Rhone with Self-Exciting Regulator, Tach Terminal, Complete with Protective Screens & Single Pulley

Replaces PH300-0008 & PH300-0008-OE



**PH300-0011 12 Volt, 55 Amp**

*Mando Aftermarket Replacement*

Replacement Alternator for Mercruiser & Volvo 12 Volt, 55 Amp with Internal Regulator and Serpentine Pulley

See PH300-0012 for 65 Amp Version

**Replaces:**

MERCURY  
807652  
807652T  
VOLVO  
3857813



**PH300-0012 12 Volt, 65 Amp**

*Mando Aftermarket Replacement*

Replacement Alternator for Mercruiser 12 Volt, 65 Amp with Internal Regulator and Serpentine Pulley

**Replaces:**  
MERCURY  
807653  
807653T



**PH300-0014 12 Volt, 65 Amp**

*Mando Aftermarket Replacement*

Replacement Alternator for OMC & Volvo Penta with Internal Regulator & Single Pulley

**Replaces:**  
OMC  
3854182, 385660  
3857561, 3860171  
VOLVO  
3854182-7, 3856600-6  
3857561-9, 3860171



**PH300-0013 12 Volt, 63 Amp**

*Delco Aftermarket Replacement*

**PH300-0013-HO 12 Volt, 105 Amp**

*High Output Delco Replacement*

Delco Universal Alternator with Self-Exciting Regulator, 1-Wire Hook-Up, Complete with Protective Screens & Single Pulley

**Replaces:**  
MERCURY  
59755  
69729



**PH300-0015 12 Volt, 65 Amp**

*Mando Aftermarket Replacement*

Replacement Alternator for Volvo Penta with Internal Regulator & Serpentine Pulley

**Replaces:**  
VOLVO  
3857813



**PH300-0016 12 Volt, 65 Amp**

*Mando Aftermarket Replacement*

Replacement Alternator for Mercruiser with Internal Regulator & Single Pulley

**Replaces:**  
MERCURY  
805447T  
805884  
805884P  
805884T



**PH300-0013-CHO 12 Volt, 105 Amp**

*Chrome High Output Delco Replacement*

Chrome High Output Delco Alternator to Replace Mercruiser with Self-Exciting Regulator, 1-Wire Hook-Up, Complete with Protective Screens & Single Pulley

**Replaces:**  
MERCURY  
59755  
69729  
78403A1



**PH300-0017 12 Volt, 65 Amp**

*Mando Aftermarket Replacement*

Replacement Alternator for Volvo Penta - Fits GM 8.1L Vortec Engines with Internal Regulator & Serpentine Pulley

**Replaces:**  
VOLVO  
3860798  
3860082



**PH300-0017-DHO 12 Volt, 105 Amp**  
*High Output Delco Replacement*

Delco Type  
Alternator to Replace  
Volvo Penta  
Original Equipment  
Alternator with  
Self-Exciting  
Regulator,  
1-Wire Hook-Up,  
Complete with  
Protective Screens &  
Serpentine Pulley

**IMAGE  
UNAVAILABLE**

Replaces OE Style  
PH300-0017

**PH300-0020 12 Volt, 40 Amp**  
*Hitachi Aftermarket Replacement*

Hitachi Style Alternator  
for Yanmar  
Internal Fan with  
Internal Regulator  
& Serpentine Pulley



**Replaces:**  
HITACHI  
LR140-714B  
YANMAR  
119836-77200  
119836-77201

**PH300-0018 12 Volt, 80 Amp**  
*Nippondenso Aftermarket Replacement*

Nippondenso Alternator  
to Replace Yanmar  
Marine - Internal Fan  
with Internal Regulator  
& Double Pulley



**Replaces:**  
NIPPONDENSO  
101211-9940  
YANMAR  
119773-77200

**PH300-0021 12 Volt, 50 Amp**  
*Nippondenso Aftermarket Replacement*

Nippondenso Alternator  
to Replace Mercury &  
Mariner for 200/225  
3.0L DFI Engines  
Internal Fan with  
Internal Regulator  
& Serpentine Pulley



**Replaces:**  
NIPPONDENSO  
101211-3380  
MERCURY  
828506

**PH300-0019 12 Volt, 50 Amp**  
*Nippondenso Aftermarket Replacement*

Nippondenso Alternator  
to Replace Mercury &  
Mariner for 225/250  
3.0L Carb & EFI  
Internal Fan with  
Internal Regulator  
& Single Pulley



**Replaces:**  
NIPPONDENSO  
101211-3020  
101211-3021  
MERCURY  
821663  
821663-1  
821663A1

**PH300-0022 12 Volt, 63 Amp**  
*Delco Aftermarket Replacement*

**PH300-0022-HO 12 Volt, 105 Amp**  
*High Output Delco Replacement*

Delco Universal  
Alternator with  
Self-Exciting  
Regulator,  
2-Wire Hook-Up,  
Complete with  
Protective Screens  
& Single Pulley



**Replaces:**  
MERCURY  
78402, 78403, 78403A1  
78403A2, 92497A3





**PH300-0022-CHO 12 Volt, 105 Amp**

*Chrome High Output Delco Replacement*

Chrome High Output Delco Alternator to Replace Mercruiser with Self-Exciting Regulator, 2-Wire Hook-Up, Complete with Protective Screens & Single Pulley



**Replaces:**

MERCURY  
78402, 78403, 78403A1  
78403A2, 92497A3

**PH300-0023-OE 24 Volt, 45 Amp**

*Valeo Original Equipment Replacement*

Valeo OE Alternator for Motorola and Volvo Penta with Internal Regulator, and Single Pulley Fits Volvo Penta TAMD120, TMD100, & TMD120



**Replaces:**

MOTOROLA  
9AR3743G,  
3711G, G01, G02,  
510-821, -802, -835, -836, -856  
VALEO  
2937430

**PH300-0024-OE 12 Volt, 35 Amp**

*Valeo Original Equipment Replacement*

Valeo OE Alternator for Motorola & Volvo Penta with Internal Regulator Fits Volvo Penta AQ120-280, AQ130-270, AQ130C-270D, AQ140A & Various Others



**Pulley Not Included**

**Replaces:**

MOTOROLA  
9AR2775P, 510-834,  
VALEO  
2927750

**PH300-0025-OE 24 Volt, 35 Amp**

*Valeo Original Equipment Replacement*

Valeo OE Alternator for Volvo Penta and Motorola with Internal Regulator



**Pulley Not Included**

**Replaces:**

MOTOROLA  
510-817  
PARIS RHONE  
A13N143M  
VALEO  
2181990, 59277

**PH300-0026-OE 12 Volt, 50 Amp**

*Valeo Original Equipment Replacement*

Valeo OE Alternator for Volvo Penta & Universal with Internal Regulator



**Pulley Not Included**

**Replaces:**

PARIS RHONE  
A13N259M  
VALEO  
2541663, 439181  
VOLVO  
872926-1, 3803227-2

**PH300-0027-OE 12 Volt, 60 Amp**

*Valeo Original Equipment Replacement*

Valeo OE Alternator for Volvo Penta with Internal Regulator fits Volvo Penta EDC Diesel



**Pulley Not Included**

**Replaces:**

PARIS RHONE  
A13N234, A13N285M  
VALEO  
2541827, 439067  
VOLVO  
873770, 873633





**PH300-0028 12 Volt, 63 Amp**

*Delco Aftermarket Replacement*

**PH300-0028-HO 12 Volt, 105 Amp**

*High Output Delco Replacement*

Delco Type Alternator to Replace Chrysler with Self-Exciting Regulator, 1-Wire Hook-Up, Complete with Protective Screens & Single Pulley

**Replaces:**  
CHRYSLER  
3527501, 3527502



**PH300-0029 12 Volt, 130 Amp**

*Leece Neville Aftermarket Replacement*

Leece Neville Diesel High Output Alternator 2700J Series with Adjustable Voltage Regulator

*Pulley Included*



**PH300-0030 12 Volt, 50 Amp**

*Delco Aftermarket Replacement*

Delco Style Alternator to Replace 2.5L Mercury Outboards Internal Fan with Internal Regulator & 4-Groove Serpentine Pulley

*Will Not Replace Nippondenso Units*

**Replaces:**  
DELCO  
19020703, 19020706  
MERCURY  
857006T, 875285T1, 881248T  
889955, 889955A03



**PH300-0031 12 Volt, 50 Amp**

*Delco Aftermarket Replacement*

Delco Style Alternator to Replace 3.0L Mercury Outboards Internal Fan with Internal Regulator & 4-Groove Serpentine Pulley

*Will Not Replace Nippondenso Units*

**Replaces:**  
DELCO  
19020704, 19020707  
MERCURY  
881247A1, 875286A1  
875286T, 889956



**PH300-0032 12 Volt, 70 Amp**

*Delco Aftermarket Replacement*

Delco Style Alternator to Replace Indmar, Pleasurecraft, Crusader & Other Applications Internal Fan with Internal Regulator & Single Pulley

**Replaces:**  
DELCO  
19020608  
INDMAR  
575010  
PLEASURECRAFT  
RA097007B, RA097007L



**PH300-0033 12 Volt, 70 Amp**

*Delco Aftermarket Replacement*

Delco Style Alternator to Replace 3.0L Mercruiser 1999 & Up Internal Fan with Internal Regulator & V-Belt Pulley

**Replaces:**  
DELCO  
19020604  
MERCURY  
862030T



**PH300-0034 12 Volt, 70 Amp**

*Delco Aftermarket Replacement*

Delco Style Alternator to Replace 4.3L-5.7L Mercruiser 97 & Up Internal Fan with Internal Regulator & 6-Groove, 65MM Serpentine Pulley



**Replaces:**

DELCO  
19020601, 19020609  
MERCURY  
862031, 862031T, 862031T1

**PH300-0035 12 Volt, 70 Amp**

*Delco Aftermarket Replacement*

Delco Style Alternator to Replace 4.3L - 5.7L Mercruiser 97 & Up Internal Fan with Internal Regulator & 6-Groove, 50MM Serpentine Pulley



Same Unit as PH300-0034 with Smaller Late Version Serpentine Pulley for Higher RPM's & Quicker Regulator Cut-In

**Replaces:**

DELCO  
19020612  
MERCURY  
863077-1, 863077T, 863077R01

**PH300-0036 12 Volt, 65 Amp**

*Delco Aftermarket Replacement*

Delco Style Alternator to Replace Volvo Penta Internal Fan with Self-Exciting Regulator & Single Pulley



**Replaces:**

VOLVO PENTA  
3862612

**PH300-0037 12 Volt, 75 Amp**

*Delco Aftermarket Replacement*

Delco Style Alternator to Replace Volvo Penta Internal Fan with Self-Exciting Regulator & 50MM 6-Groove Serpentine Pulley



**Replaces:**

VOLVO PENTA  
3862665, 3884950

**PH300-0038 12 Volt, 95 Amp**

*Delco Aftermarket Replacement*

Delco Style Alternator to Replace Pleasurecraft Internal Fan with Self-Exciting Regulator and 65MM Serpentine Pulley



**Replaces:**

PLEASURECRAFT  
RA097009

**PH300-0039 12 Volt, 95 Amp**

*Delco Aftermarket Replacement*

Delco Style Alternator to Replace Indmar Internal Fan with Self-Exciting Regulator & 65MM Serpentine Pulley



**Replaces:**

DELCO  
8400013, 8600002  
INDMAR  
575014

**PH300-0040 12 Volt, 95 Amp**

*Delco Aftermarket Replacement*

Delco Style Alternator to Replace Marine Power Internal Fan with Self-Exciting Regulator & Double Pulley



**Replaces:**

DELCO  
8400111





## PH300-0041 12 Volt, 70 Amp

*Delco Aftermarket Replacement*

Delco Type Alternator to Replace Indmar, Pleasurecraft, Crusader & Others  
Internal Fan with Self-Exciting Regulator & 65MM Serpentine Pulley

**Replaces:**

DELCO  
19020606  
INDMAR  
575011  
PLEASURECRAFT  
RA097007



## PH300-0044 12 Volt, 70 Amp

*Delco Aftermarket Replacement*

Delco Style Alternator to Replace Marine Power Internal Fan with Self-Exciting Regulator & Double Pulley

**Replaces:**

DELCO  
19020616  
MARINE POWER  
4711210, 471200, 471201



## PH300-0042 12 Volt, 70 Amp

*Delco Aftermarket Replacement*

Delco Style Alternator to Replace Pleasurecraft Internal Fan with Self-Exciting Regulator & 50MM Serpentine Pulley

**Replaces:**

DELCO  
19020617  
PLEASURECRAFT  
RA097007A



## PH300-0045 12 Volt, 63 Amp

*Delco Aftermarket Replacement*

Delco Style Alternator to Replace Mercruiser & Other Applications with Self-Exciting Regulator, 1-Wire Hook-Up Complete with Protective Screens & Serpentine Pulley

Will Replace  
PH300-0011 &  
PH300-0012  
Mando Version



## PH300-0043 12 Volt, 70 Amp

*Delco Aftermarket Replacement*

Delco Style Alternator to Replace Pleasurecraft Internal Fan with Self-Exciting Regulator & 65MM Serpentine Pulley

**Replaces:**

DELCO  
8400027  
CRUSADER  
RA097007C  
PLEASURECRAFT  
RA097007C

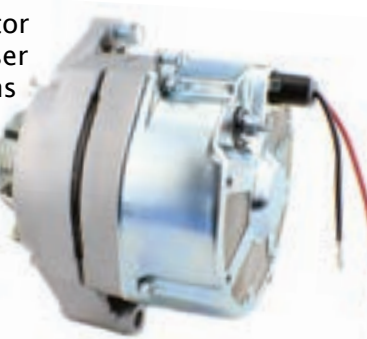


## PH300-0046 12 Volt, 63 Amp

*Delco Aftermarket Replacement*

Delco Style Alternator to Replace Mercruiser & Other Applications with Self-Exciting Regulator, 2-Wire Hook-Up Complete with Protective Screens & Serpentine Pulley

Will Replace  
PH300-0011 &  
PH300-0012 Mando  
Versions



**PH300-0047 12 Volt, 50 Amp**

*Delco Aftermarket Replacement*

Delco Style Alternator to Replace Mercury/Mariner Internal Fan with Internal Regulator & 4-Groove Serpentine Pulley



**Replaces:**  
 DELCO  
 8400080  
 MERCURY  
 50-897755T  
 897755T

**PH300-0050 12 Volt, 75 Amp**

*Valeo Aftermarket Replacement*

Valeo Style Alternator to Replace Volvo Penta Internal Fan with Self-Exciting Regulator & 6-Groove, 60MM Serpentine Pulley



**Replaces:**  
 VALEO  
 A0002655301  
 VOLVO PENTA  
 2655301  
 3862613

**PH300-0048 12 Volt, 70 Amp**

*Delco Aftermarket Replacement*

Delco Style Alternator to Replace Mercury Outboards Internal Fan with Internal Regulator & 6-Groove Serpentine Pulley



**Replaces:**  
 DELCO  
 19020618  
 MERCURY  
 892940T  
 892940T01

**PH300-0049 12 Volt, 90 Amp**

*Nippondenso Aftermarket Replacement*

Nippondenso Style Alternator to Replace Honda Outboards 04-14 200-225HP Internal Fan with Self-Exciting Regulator & 6-Groove Serpentine Pulley



**Replaces:**  
 HONDA  
 31630-ZY3-003  
 31630-ZY3-013  
 NIPPONDENSO  
 102211-2750





**PLEASE NOTE**

The following pages contain application information for all PROTORQUE Inboard & Sterndrive starters. Within this section we provide suggestions based on application and original equipment manufacturer's part number to get you the starter that we feel most closely represents the original equipment part on your engine.

While using our application guide to find the correct PROTORQUE starter for your boat's engine, you may notice that some of the parts that we suggest have a symbol "●" after the PROTORQUE part number as shown circled below. This symbol simply means that PROTORQUE has other items in stock that will also work for this application.

**MERCURUISER - continued**

**HI-PERFORMANCE ENGINES - continued**

Model 525SC	GM 7.4L - 454ci - 8cyl	91-92	Bravo Plug-In Models	DR	12	1998570	PH140-0015	●
Model 525SC	GM 7.4L - 454ci - 8cyl	91-92	Trans & Driveline Models	DR	12	1998316	PH140-0022-CCW	●
Model 525SC (Gen V)	GM 7.4L - 454ci - 8cyl	96	Bravo Plug In Models (Opt)	DR	12	9000821	PH140-0017	●

**WHAT TO DO IF YOUR PART HAS THIS SYMBOL**

If the PROTORQUE part for your boat's application has this symbol "●", please turn to the very last page in our Inboard & Sterndrive starter application section. Once there, you will find our unit interchange, which provides all of our optional units for your part.

This is the most effective way for PROTORQUE customers to find higher output, heavy duty, opposite rotation, original equipment, or economical versions of the starters meant for their specific application.

**WHAT TO DO IF YOU CANNOT FIND A PART FOR YOUR APPLICATION**

We at PROTORQUE do our best to list all of the applications that we have available in our database, but due to the sheer volume of marine engines and the amount of years that we must cover, there may be instances where you cannot find your exact application.

If this occurs, please contact us directly at 609-654-6020 or toll free at 844-786-7783 and one of our customer service representatives will be happy to assist you in finding the part that you need.



TOLL FREE: 844-786-7783

LOCAL: 609-654-6020

FAX: 609-654-5710

WEB: [www.protorqueparts.com](http://www.protorqueparts.com)

# APPLICATIONS - INBOARD & STERNDRIVE STARTERS

PROTORQUE - Inboard & Sterndrive Starters

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>ACADIA</b>								
<b>INBOARD &amp; STERNDRIVE</b>								
Various Models		60-71	Prestolite System	PS	12	MDT7010	PH140-0011-CCW	
<b>BERKLEY JET</b>								
<b>INBOARD &amp; STERNDRIVE</b>								
454	8cyl, 454ci, 7.4L GM	70-On	CCW Rotation	DR	12	1109482	PH140-0015	•
455	8cyl, 455ci, 7.5L GM	65-On	CW Rotation	DR	12	1108387	PH140-0014	
<b>CATERPILLAR</b>								
<b>ENGINES-MARINE</b>								
3208	8cyl, 636ci, 10.4L	85-95	Delco System	DR	24	1993804	PH150-0019	
3208	8cyl, 636ci, 10.4L	85-95	Delco System	DR	12	1993806	PH150-0018	
3208	8cyl, 636ci, 10.4L	85-95	Delco System	DR	12	1993811	PH150-0018	
3304	4cyl, 425ci, 7.0L	96-97	Delco System	DR	12	1993806	PH150-0018	
3304	4cyl, 425ci, 7.0L	96-97	Delco System	DR	12	1993820	PH150-0018	
3304	4cyl, 425ci, 7.0L	91-95	Delco System	DR	24	1993804	PH150-0019	
3304	4cyl, 425ci, 7.0L	91-95	Delco System	DR	12	1993806	PH150-0018	
3304	4cyl, 425ci, 7.0L	91-95	Delco System	DR	12	1993820	PH150-0018	
3304	4cyl, 425ci, 7.0L	85-90	Delco System	DR	24	1993804	PH150-0019	
3304	4cyl, 425ci, 7.0L	85-90	Delco System	DR	12	1993806	PH150-0018	
3304	4cyl, 425ci, 7.0L	85-90	Delco System	DR	12	1993820	PH150-0018	
3306	6cyl, 638ci, 10.5L	96-97	Delco System	DR	12	1993806	PH150-0018	
3306	6cyl, 638ci, 10.5L	96-97	Delco System	DR	12	1993813	PH150-0018	
3306	6cyl, 638ci, 10.5L	96-97	Delco System	DR	12	1993820	PH150-0018	
3306	6cyl, 638ci, 10.5L	91-95	Delco System	DR	24	1993804	PH150-0019	
3306	6cyl, 638ci, 10.5L	91-95	Delco System	DR	12	1993806	PH150-0018	
3306	6cyl, 638ci, 10.5L	91-95	Delco System	DR	24	1993812	PH150-0019	
3306	6cyl, 638ci, 10.5L	91-95	Delco System	DR	12	1993813	PH150-0018	
3306	6cyl, 638ci, 10.5L	91-95	Delco System	DR	12	1993820	PH150-0018	
3306	6cyl, 638ci, 10.5L	85-90	Delco System	DR	24	1993804	PH150-0019	
3306	6cyl, 638ci, 10.5L	85-90	Delco System	DR	12	1993806	PH150-0018	
3306	6cyl, 638ci, 10.5L	85-90	Delco System	DR	24	193812	PH150-0019	
3306	6cyl, 638ci, 10.5L	85-90	Delco System	DR	12	1993813	PH150-0018	
3306	6cyl, 638ci, 10.5L	85-90	Delco System	DR	12	1993820	PH150-0018	
3406	6cyl, 893ci, 14.6L	94-95	Delco System	DR	24	1993802	PH150-0016	
3406	6cyl, 893ci, 14.6L	94-95	Delco System	DR	12	1993807	PH150-0015	
3406	6cyl, 893ci, 14.6L	94-95	Delco System	DR	24	1990231	PH150-0021	
3406	6cyl, 893ci, 14.6L	91-93	Delco System	DR	24	1993802	PH150-0016	
3406	6cyl, 893ci, 14.6L	91-93	Delco System	DR	12	1993807	PH150-0015	
3406	6cyl, 893ci, 14.6L	91-93	Delco System	DR	24	1990231	PH150-0021	
3406	6cyl, 893ci, 14.6L	86-90	Delco System	DR	24	1993802	PH150-0016	
3406	6cyl, 893ci, 14.6L	86-90	Delco System	DR	12	1993807	PH150-0015	
3406	6cyl, 893ci, 14.6L	86-90	Delco System	DR	24	1990229	PH150-0021	
3406	6cyl, 893ci, 14.6L	85	Delco System	DR	24	1993805	PH150-0016	
3406	6cyl, 893ci, 14.6L	85	Delco System	DR	12	1993807	PH150-0015	
3406	6cyl, 893ci, 14.6L	70-84	Delco System	DR	12	1114086	PH150-0012	
3408	8cyl, 1099ci, 18.0L	94-97	Delco System	DR	24	1993802	PH150-0016	
3408	8cyl, 1099ci, 18.0L	94-97	Delco System	DR	24	1990231	PH150-0021	
3408	8cyl, 1099ci, 18.0L	91-93	Delco System	DR	24	1993802	PH150-0016	
3408	8cyl, 1099ci, 18.0L	91-93	Delco System	DR	32	1109769	PH150-0022	
3408	8cyl, 1099ci, 18.0L	91-93	Delco System	DR	24	1990231	PH150-0021	
3408	8cyl, 1099ci, 18.0L	86-90	Delco System	DR	12	1114086	PH150-0012	
3408	8cyl, 1099ci, 18.0L	86-90	Delco System	DR	24	1993802	PH150-0016	
3408	8cyl, 1099ci, 18.0L	86-90	Delco System	DR	12	1993807	PH150-0015	
3408	8cyl, 1099ci, 18.0L	86-90	Delco System	DR	32	1109769	PH150-0022	
3408	8cyl, 1099ci, 18.0L	86-90	Delco System	DR	24	1990229	PH150-0021	
3408	8cyl, 1099ci, 18.0L	74-85	Delco System	DR	24	1109647	PH150-0021	
3408	8cyl, 1099ci, 18.0L	74-85	Delco System	DR	32	1109769	PH150-0022	
3412	12cyl, 1649ci, 27.0L	94-97	Delco System	DR	24	1993802	PH150-0016	
3412	12cyl, 1649ci, 27.0L	94-97	Delco System	DR	24	1990231	PH150-0021	
3412	12cyl, 1649ci, 27.0L	91-93	Delco System	DR	24	1993802	PH150-0016	
3412	12cyl, 1649ci, 27.0L	91-93	Delco System	DR	32	1109769	PH150-0022	
3412	12cyl, 1649ci, 27.0L	91-93	Delco System	DR	24	1990231	PH150-0021	
3412	12cyl, 1649ci, 27.0L	86-90	Delco System	DR	12	1114086	PH150-0012	
3412	12cyl, 1649ci, 27.0L	86-90	Delco System	DR	24	1993802	PH150-0016	
3412	12cyl, 1649ci, 27.0L	86-90	Delco System	DR	12	1993807	PH150-0015	
3412	12cyl, 1649ci, 27.0L	86-90	Delco System	DR	32	1109769	PH150-0022	
3412	12cyl, 1649ci, 27.0L	86-90	Delco System	DR	24	1990229	PH150-0021	
3412	12cyl, 1649ci, 27.0L	74-85	Delco System	DR	24	1109647	PH150-0021	
3412	12cyl, 1649ci, 27.0L	74-85	Delco System	DR	32	1109769	PH150-0022	
3508	8cyl, 2105ci, 34.5L	86-93	Delco System	DR	24	1993810	PH150-0016	
3508	8cyl, 2105ci, 34.5L	86-93	Delco System	DR	32	1990225	PH150-0022	
3508	8cyl, 2105ci, 34.5L	86-93	Delco System	DR	24	1990236	PH150-0021-CCW	
3508	8cyl, 2105ci, 34.5L	86-93	Delco System	DR	32	1990242	PH150-0022-CCW	
3508	8cyl, 2105ci, 34.5L	86-93	Delco System	DR	24	1990291	PH150-0021	
3508	8cyl, 2105ci, 34.5L	86-93	Delco System	DR	24	1993841	PH150-0021	



# APPLICATIONS - INBOARD & STERNDRIVE STARTERS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>CATERPILLAR - continued</b>							
<b>ENGINES-MARINE - continued</b>							
3512	12cyl, 3158ci, 51.8L	86-93	Delco System	DR	24	1993810	PH150-0016
3512	12cyl, 3158ci, 51.8L	86-93	Delco System	DR	32	1990225	PH150-0022
3512	12cyl, 3158ci, 51.8L	86-93	Delco System	DR	24	1990236	PH150-0021-CCW
3512	12cyl, 3158ci, 51.8L	86-93	Delco System	DR	32	1990242	PH150-0022-CCW
3512	12cyl, 3158ci, 51.8L	86-93	Delco System	DR	24	1990291	PH150-0021
3512	12cyl, 3158ci, 51.8L	86-93	Delco System	DR	24	1993841	PH150-0021
3516	16cyl, 4210ci, 69.0L	86-93	Delco System	DR	24	1993810	PH150-0016
3516	16cyl, 4210ci, 69.0L	86-93	Delco System	DR	32	1990225	PH150-0022
3516	16cyl, 4210ci, 69.0L	86-93	Delco System	DR	24	1990236	PH150-0021-CCW
3516	16cyl, 4210ci, 69.0L	86-93	Delco System	DR	32	1990242	PH150-0022-CCW
3516	16cyl, 4210ci, 69.0L	86-93	Delco System	DR	24	1990291	PH150-0021
3516	16cyl, 4210ci, 69.0L	86-93	Delco System	DR	24	1993841	PH150-0021
D330	4cyl, 425ci	70-74	Delco System	DR	12	1114156	PH150-0013
D330	4cyl, 425ci	70-74	Delco System	DR	24	1114845	PH150-0014
D333	6cyl, 525ci	70-74	Delco System	DR	12	1114156	PH150-0013
D333	6cyl, 525ci	70-74	Delco System	DR	24	1114845	PH150-0019
D334	6cyl, 638ci, 10.5L	70-74	Delco System	DR	24	1114845	PH150-0019
D336	6cyl	70-74	Delco System	DR	24	1114845	PH150-0019
D342	6cyl, 1246ci	70-74	Delco System	DR	32	1109282	PH150-0022
D342	6cyl, 1246ci	70-74	Delco System	DR	24	1109285	PH150-0021
D343	6cyl, 893ci, 14.6L	70-74	CCW Delco	DR	32	1109626	PH150-0022-CCW
D343	6cyl, 893ci, 14.6L	70-74	Delco System	DR	24	1109285	PH150-0021
D344	6cyl	70-74	Delco System	DR	24	1114845	PH150-0014
D346	8cyl, 1191ci	70-74	Delco System	DR	32	1109282	PH150-0022
D346	8cyl, 1191ci	70-74	Delco System	DR	24	1109285	PH150-0021
D349	16cyl, 2382ci	70-74	Delco System	DR	32	1109282	PH150-0022
D353	6cyl, 1473ci	70-74	Delco System	DR	32	1109282	PH150-0022
D353	6cyl, 1473ci	70-74	Delco System	DR	24	1109285	PH150-0021
D379	8cyl, 1964ci	70-74	Delco System	DR	32	1109282	PH150-0022
D379	8cyl, 1964ci	70-74	CCW Delco	DR	32	1109626	PH150-0022-CCW
D398	12cyl, 2946ci	70-74	Delco System	DR	32	1109282	PH150-0022
D398	12cyl, 2946ci	70-74	CCW Delco	DR	32	1109626	PH150-0022-CCW
D399	16cyl, 3927ci	70-74	Delco System	DR	32	1109282	PH150-0022
D399	16cyl, 3927ci	70-74	CCW Delco	DR	32	1109626	PH150-0022-CCW

## CHRIS CRAFT

<b>INBOARD &amp; STERNDRIVE</b>							
225	6cyl, 225ci, 3.7L CH	67-71		DR	12	1107259	PH140-0013
283	8cyl, 327ci, 5.4L GM	60-69		DR	12	1107688	PH140-0012
283-0	8cyl, 283ci, 4.6L GM	60-69		DR	12	1107754	PH140-0012-CCW
307-0	8cyl, 307ci, 5.0L GM	69-77	w/ CCW	PS	12	MHA7012	PH140-0013-CCW
327-0	8cyl, 327ci, 5.4L GM	69-77	w/ CCW	PS	12	MHA7012	PH140-0013-CCW

## CHRYSLER

<b>ENGINES - MARINE IB &amp; STERN</b>							
Various Models	LM318B	69-71	Clockwise Rotation	PS	12	MDT7001	PH140-0011
Various Models	LM318B	69-71	CCW	PS	12	MDT7010	PH140-0011-CCW
Various Models	M273A / M273B	69-71	Clockwise Rotation	PS	12	MDT7001	PH140-0011
Various Models	M273A / M273B	69-71	CCW	PS	12	MDT7010	PH140-0011-CCW
Various Models	M273X	85-88	Clockwise - 2 Bolt	PS	12	MDT7021	PH140-0011
Various Models	M273X	80-84	Clockwise - 2 Bolt	PS	12	MDT7021	PH140-0011
Various Models	M273X	80-84	CCW - 2 Bolt	PS	12	MDT7022	PH140-0011-CCW
Various Models	M273X	76-79	Clockwise - 2 Bolt	PS	12	MDT7021	PH140-0011
Various Models	M273X	76-79	CCW - 2 Bolt	PS	12	MDT7022	PH140-0011-CCW
Various Models	M273X	70-75	Clockwise - 2 Bolt	PS	12	MDT7021	PH140-0011
Various Models	M273X	70-75	CCW - 2 Bolt	PS	12	MDT7022	PH140-0011-CCW
Various Models	M273X	64-68	CCW	PS	12	MDT7010	PH140-0011-CCW
Various Models	M318A, B, C, X	85-88	Clockwise - 2 Bolt	PS	12	MDT7021	PH140-0011
Various Models	M318A, B, C, X	80-84	Clockwise - 2 Bolt	PS	12	MDT7021	PH140-0011
Various Models	M318A, B, C, X	80-84	CCW - 2 Bolt	PS	12	MDT7022	PH140-0011-CCW
Various Models	M318A, B, C, X	76-79	Clockwise - 2 Bolt	PS	12	MDT7021	PH140-0011
Various Models	M318A, B, C, X	76-79	CCW - 2 Bolt	PS	12	MDT7022	PH140-0011-CCW
Various Models	M318A, B, C, X	70-75	Clockwise - 2 Bolt	PS	12	MDT7021	PH140-0011
Various Models	M318A, B, C, X	70-75	CCW - 2 Bolt	PS	12	MDT7033	PH140-0011-CCW
Various Models	M318A, B, C, X	63-68	CCW	PS	12	MDT7010	PH140-0011-CCW
Various Models	M383B	69-71	Clockwise Rotation	PS	12	MDT7001	PH140-0011
Various Models	M383B	69-71	CCW	PS	12	MDT7010	PH140-0011-CCW
Various Models	M383B, X	63-68	CCW	PS	12	MDT7010	PH140-0011-CCW
Various Models	M413B, D, E, X	64-68	CCW	PS	12	MDT7010	PH140-0011-CCW
Various Models	M413E	69-71	Clockwise Rotation	PS	12	MDT7001	PH140-0011
Various Models	M413E	69-71	CCW	PS	12	MDT7010	PH140-0011-CCW
Various Models	M413E	63-68	CCW	PS	12	MDT7010	PH140-0011-CCW
Various Models	M426 HEMI	69-71	Clockwise Rotation	PS	12	MDT7001	PH140-0011
Various Models	M426 HEMI	69-71	CCW	PS	12	MDT7010	PH140-0011-CCW
Various Models	M426B, D, X, M440X	64-68	CCW	PS	12	MDT7010	PH140-0011-CCW

PROTORQUE - Inboard & Sterndrive Starters



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# APPLICATIONS - INBOARD & STERNDRIVE STARTERS

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MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>CRUSADER</b>								
<b>INBOARD &amp; STERNDRIVE</b>								
153	4cyl, 153ci, 2.5L	61-69	Flange Mount	DR	12	1107274	PH140-0012	
153	4cyl, 153ci, 2.5L	61-69	Pad mount	DR	12	1107399	PH140-0013	•
170	170 Engine	61-69	Clockwise	DR	12	1109484	PH140-0022	
170	170 Engine	61-69	CCW	DR	12	1109485	PH140-0022-CCW	
185	185 Engine	61-69	Clockwise	DR	12	1109484	PH140-0022	
185	185 Engine	61-69	CCW	DR	12	1109485	PH140-0022-CCW	
200	200 Engine	61-69	Clockwise	DR	12	1109484	PH140-0022	
200	200 Engine	61-69	CCW	DR	12	1109485	PH140-0022-CCW	
225	225 Engine	61-69	Clockwise	DR	12	1109484	PH140-0022	
225	225 Engine	61-69	CCW	DR	12	1109485	PH140-0022-CCW	
229	6cyl, 229ci, 3.8L	80-88	Clockwise	DR	12	1109486	PH140-0013	•
230	6cyl, 230ci, 3.8L	61-69	Clockwise	DR	12	1109484	PH140-0022	
230	6cyl, 230ci, 3.8L	61-69	CCW	DR	12	1109485	PH140-0022-CCW	
262	6cyl, 262ci, 4.3L	79-88	Clockwise	DR	12	1109482	PH140-0015	•
262	6cyl, 262ci, 4.3L	79-88	CCW	DR	12	1109483	PH140-0015-CCW	
283	8cyl, 283ci, 4.6L	61-71	w/ Flange Mount w/ CCW	DR	12	1109485	PH140-0022-CCW	
283	8cyl, 283ci, 4.6L	61-71	w/ Flange Mount w/ CW	DR	12	1109484	PH140-0022	
305	8cyl, 305ci, 5.0L	99-On	w/ Flange Mount w/ CCW (PMGR)	DR	12	9000888	PH140-0022-CCW	
305	8cyl, 305ci, 5.0L	99-On	w/ Flange Mount DD w/ CCW	DR	12	19010615	PH140-0022-CCW	
305	8cyl, 305ci, 5.0L	99-On	w/ Flange Mount DD w/ CW	DR	12	19010617	PH140-0022	
305	8cyl, 305ci, 5.0L	96-98	w/ Flange Mount w/ CCW	DR	12	19010615	PH140-0022-CCW	
305	8cyl, 305ci, 5.0L	96-98	w/ Flange Mount w/ CW	DR	12	19010617	PH140-0022	
305	8cyl, 305ci, 5.0L	77-95	w/ Flange Mount w/ CCW	DR	12	1109485	PH140-0022-CCW	
305	8cyl, 305ci, 5.0L	77-95	w/ Flange Mount w/ CW	DR	12	1109484	PH140-0022	
305	8cyl, 305ci, 5.0L	77-95	w/ Offset Pad Mount w/ CCW	DR	12	1109483	PH140-0015-CCW	
305	8cyl, 305ci, 5.0L	77-95	w/ Offset Pad Mount w/ CW	DR	12	1109482	PH140-0015	•
305	8cyl, 305ci, 5.0L	77-95	w/ Straight Across Pad Mount	DR	12	1109486	PH140-0013	•
307	8cyl, 307ci, 5.0L	61-71	w/ Flange Mount w/ CCW	DR	12	1109485	PH140-0022-CCW	
307	8cyl, 307ci, 5.0L	61-71	w/ Flange Mount w/ CW	DR	12	1109484	PH140-0022	
327	8cyl, 327ci, 5.4L	61-71	w/ Flange Mount w/ CCW	DR	12	1109485	PH140-0022-CCW	
327	8cyl, 327ci, 5.4L	61-71	w/ Flange Mount w/ CW	DR	12	1109484	PH140-0022	
348	8cyl, 348ci, 5.6L	61-71	w/ Flange Mount w/ CCW	DR	12	1109485	PH140-0022-CCW	
348	8cyl, 348ci, 5.6L	61-71	w/ Flange Mount w/ CW	DR	12	1109484	PH140-0022	
350	8cyl, 350ci, 5.7L	99-On	w/ Flange Mount w/ CCW (PMGR)	DR	12	9000888	PH140-0022-CCW	
350	8cyl, 350ci, 5.7L	99-On	w/ Flange Mount DD w/ CCW	DR	12	19010615	PH140-0022-CCW	
350	8cyl, 350ci, 5.7L	99-On	w/ Flange Mount DD w/ CW	DR	12	19010617	PH140-0022	
350	8cyl, 350ci, 5.7L	96-98	w/ Flange Mount w/ CCW	DR	12	19010615	PH140-0022-CCW	
350	8cyl, 350ci, 5.7L	96-98	w/ Flange Mount w/ CW	DR	12	19010617	PH140-0022	
350	8cyl, 350ci, 5.7L	77-95	w/ Offset Pad Mount w/ CCW	DR	12	1109483	PH140-0015-CCW	
350	8cyl, 350ci, 5.7L	77-95	w/ Offset Pad Mount w/ CW	DR	12	1109482	PH140-0015	•
350	8cyl, 350ci, 5.7L	77-95	w/ Straight Across Pad Mount	DR	12	1109486	PH140-0013	•
350	8cyl, 350ci, 5.7L	67-95	w/ Flange Mount w/ CCW	DR	12	1109485	PH140-0022-CCW	
350	8cyl, 350ci, 5.7L	67-95	w/ Flange Mount w/ CW	DR	12	1109484	PH140-0022	
364	8cyl, 364ci, 6.0L	99-On	w/ Flange Mount w/ CCW (PMGR)	DR	12	9000888	PH140-0022-CCW	
364	8cyl, 364ci, 6.0L	99-On	w/ Flange Mount w/ CW	DR	12	19010615	PH140-0022-CCW	
409	8cyl, 409ci, 6.7L	61-71	w/ Flange Mount w/ CCW	DR	12	1109485	PH140-0022-CCW	
409	8cyl, 409ci, 6.7L	61-71	w/ Flange Mount w/ CW	DR	12	1109484	PH140-0022	
427	8cyl, 427ci, 7.0L	61-71	w/ Flange Mount w/ CCW	DR	12	1109485	PH140-0022-CCW	
427	8cyl, 427ci, 7.0L	61-71	w/ Flange Mount w/ CW	DR	12	1109484	PH140-0022	
454	8cyl, 454ci, 7.4L	77-95	w/ Flange Mount w/ CCW	DR	12	1109483	PH140-0015-CCW	
454	8cyl, 454ci, 7.4L	77-88	w/ Flange Mount w/ CCW	DR	12	1109485	PH140-0022-CCW	
454	8cyl, 454ci, 7.4L	77-88	w/ Flange Mount w/ CW	DR	12	1109484	PH140-0022	
454	8cyl, 454ci, 7.4L	77-88	w/ Offset Pad Mount w/ CW	DR	12	1109482	PH140-0015	•
454	8cyl, 454ci, 7.4L	77-88	w/ Straight Across Pad Mount	DR	12	1109486	PH140-0013	•
496	8cyl, 496ci, 8.1L	01-On	w/ Flange Mount w/ CCW (Bottom)	DR	12	RA122015	PH140-0017-D	•
496	8cyl, 496ci, 8.1L	01-On	w/ Flange Mount CCW (Top) PMGR	DR	12	9000888	PH140-0022-CCW	
496	8cyl, 496ci, 8.1L	01-On	w/ Flange Mount w/ CCW (Top)	DR	12	RA122009	PH140-0022-CCW	
Various Models	Ford Engines	All	2 3/8" Ext Into Flywheel, CCW, B+ Stud	FO	12		PH140-0004-CCW	
Various Models	Ford Engines	All	2 3/8" Ext Into Flywheel, CCW, B+ Tab	FO	12		PH140-0004-CCW	
Various Models	Ford Engines	All	2 3/8" Ext Into Flywheel, CW, B+ Tab	FO	12		PH140-0004	
Various Models	Ford Engines	All	2 3/8" Ext Threaded Ear, CW, B+ Stud	FO	12		PH140-0006	
Various Models	Ford Engines	All	2 3/8" Ext Threaded Ear, CW, B+ Tab	FO	12		PH140-0006	
Various Models	Ford Engines	All	4" MOD, 3-Bolt CW	FO	12		PH140-0005	

## CUMMINS

ENGINES - MARINE								
6BT, 5.9L	6cyl, 359ci, 5.9L	90-On		DR	12	1113276	PH150-0008	
6BT, 5.9L	6cyl, 359ci, 5.9L	90-On		DR	24	1113277	PH150-0023	
6BT, 5.9L	6cyl, 359ci, 5.9L	90-On	Oil Sealed	DR	12	1113292	PH150-0010	
V903	8cyl, 903ci, 14.8L	85-On	w/ CW	DR	12	1990461	PH150-0016	

## CUMMINS MERCUISER

INBOARD								
6BTA5.9-M	6cyl, 359ci, 5.9L	89-On		DR	12	1113276	PH150-0008	
8.3L	6cyl, 504.5ci, 8.3L	80-85		DR	12	1114809	PH150-0013-CCW	





# APPLICATIONS - INBOARD & STERNDRIVE STARTERS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>FLAGSHIP</b>								
<b>INBOARD &amp; STERNDRIVE</b>								
Corvette		59-63	w/CCW	DR	12	1107696	PH140-0012-CCW	
<b>FORD</b>								
<b>ENGINES-MARINE</b>								
Various Models	Ford Engines	All	2 3/8" Ext. into Flywheel, CCW, B+ Stud	FO	12		PH140-0004-CCW	
Various Models	Ford Engines	All	2 3/8" Ext. into Flywheel, CCW, B+ Tab	FO	12		PH140-0004-CCW	
Various Models	Ford Engines	All	2 3/8" Ext. into Flywheel, CW, B+ Stud	FO	12		PH140-0004	
Various Models	Ford Engines	All	2 3/8" Ext. into Flywheel, CW, B+ Tab	FO	12		PH140-0004	
Various Models	Ford Engines	All	2 3/8" Ext. Threaded Ear, CW, B+ Stud	FO	12		PH140-0006	
Various Models	Ford Engines	All	2 3/8" Ext. Threaded Ear, CW, B+ Tab	FO	12		PH140-0006	
Various Models	Ford Engines	All	4" MOD, 3-Bolt, CW	FO	12		PH140-0005	
<b>GRAY</b>								
<b>INBOARD &amp; STERNDRIVE</b>								
112		66-68	w/ CW	DR	12	1107320	PH140-0013	•
162		66-68	w/ CW	DR	12	1107320	PH140-0013	•
226		66-68	w/ CW	DR	12	1107320	PH140-0013	•
232		66-68	w/ CW	DR	12	1107320	PH140-0013	•
287		66-68	w/ CW	DR	12	1107320	PH140-0013	•
91		66-68	w/ CW	DR	12	1107320	PH140-0013	•
<b>HARDIN</b>								
<b>STERNDRIVE</b>								
455	8cyl, 455ci, 7.5L	65-On		DR	12	1108387	PH140-0014	
<b>JACUZZI JET</b>								
<b>STERNDRIVE</b>								
455	8cyl, 455ci, 7.5L	65-On	Delco System	DR	12	1108387	PH140-0014	
<b>MERCUISER</b>								
<b>DIESEL ENGINES</b>								
Model 7.3L (Bravo & MIE)	IHC 7.3L - 444ci - 8cyl	94-98	Inboard	DR	12	1113276	PH150-0008	
Model 7.3L (Bravo & MIE)	IHC 7.3L - 444ci - 8cyl	94-98	Stern Drive	DR	12	50-805833T	PH150-0011	
Model D7.3L D-Tronic	IHC 7.3L - 444ci - 8cyl	94-98	Delco System	DR	12	50-805833T	PH150-0011	
Model W04CTA MIE (150HP)	HINO 3.9L - 234ci - 4cyl	90-97	Denso Starter	ND	12	128000-5300	PH150-0006	
Model W04CTI MIE (210HP)	HINO 3.9L - 234ci - 4cyl	90-97	Denso Starter	ND	12	128000-5300	PH150-0006	
Model W06DTA MIE (310HP)	HINO 5.8L - 351ci - 6cyl	93-97	Denso Starter	ND	12	128000-5301	PH150-0006	
Model W06DTI MIE (250HP)	HINO 5.8L - 351ci - 6cyl	90-97	Denso Starter	ND	12	128000-5301	PH150-0006	
<b>HI-PERFORMANCE ENGINES</b>								
Model 377 Scorpion	GM 6.2L - 377ci - 8cyl	97-On	Late PMGR Starter	DR	12	50-8M8021116	PH140-0017-D	•
Model 377 Scorpion	GM 6.2L - 377ci - 8cyl	97-On	Standard PG260M Starter	DR	12	9000821	PH140-0017	•
Model 377 Scorpion HO EC	GM 6.2L - 377ci - 8cyl	00-On	Late PMGR Starter	DR	12	50-8M8021116	PH140-0017-D	•
Model 377 Scorpion Sterndrive	GM 6.2L - 377ci - 8cyl	00-On	Standard PG260M Starter	DR	12	9000821	PH140-0017	•
Model 420	GM 7.4L - 454ci - 8cyl	87-89	Delco System	DR	12	1998316	PH140-0022-CCW	
Model 425	GM 7.4L - 454ci - 8cyl	90-92	Delco System	DR	12	1998316	PH140-0022-CCW	
Model 425 (Gen V)	GM 7.4L - 454ci - 8cyl	92-93	Delco System	DR	12	1998316	PH140-0022-CCW	
Model 450 (Gen V)	GM 7.4L - 454ci - 8cyl	95-96	Bravo Plug In Models (Opt)	DR	12	9000821	PH140-0017	•
Model 450 (Gen V)	GM 7.4L - 454ci - 8cyl	95-96	Bravo Plug in Models (Std)	DR	12	1998570	PH140-0015	•
Model 450 (Gen V)	GM 7.4L - 454ci - 8cyl	95-96	Trans & Driveline Models (Opt)	DR	12	19010615	PH140-0022-CCW	
Model 450 (Gen V)	GM 7.4L - 454ci - 8cyl	95-96	Trans & Driveline Models (Std)	DR	12	1998316	PH140-0022-CCW	
Model 465	GM 8.2L - 502ci - 8cyl	90-92	Exc Trans & Driveline Models	DR	12	1998570	PH140-0015	•
Model 465	GM 8.2L - 502ci - 8cyl	90-92	Trans & Driveline Models	DR	12	1998316	PH140-0022-CCW	
Model 465 (Gen V)	GM 8.2L - 502ci - 8cyl	92-94	Exc Trans & Driveline Models	DR	12	1998570	PH140-0015	•
Model 465 (Gen V)	GM 8.2L - 502ci - 8cyl	92-94	Trans & Driveline Models	DR	12	1998316	PH140-0022-CCW	
Model 500 (Gen+)	GM 8.2L - 502ci - 8cyl	99-00	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 500 (Gen+)	GM 8.2L - 502ci - 8cyl	99-00	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 500 (Gen V)	GM 8.2L - 502ci - 8cyl	94-96	Bravo Plug In Models (Opt)	DR	12	9000821	PH140-0017	•
Model 500 (Gen V)	GM 8.2L - 502ci - 8cyl	94-96	Bravo Plug in Models (Std)	DR	12	1998570	PH140-0015	•
Model 500 (Gen V)	GM 8.2L - 502ci - 8cyl	94-96	Trans & Driveline Models (Opt)	DR	12	19010615	PH140-0022-CCW	
Model 500 (Gen V)	GM 8.2L - 502ci - 8cyl	94-96	Trans & Driveline Models (Std)	DR	12	1998316	PH140-0022-CCW	
Model 500 (Gen VI)	GM 8.2L - 502ci - 8cyl	97-98	Bravo Plug-in Models	DR	12	9000821	PH140-0017	•
Model 500 (Gen VI)	GM 8.2L - 502ci - 8cyl	97-98	Trans & Driveline Models	DR	12	19010615	PH140-0022-CCW	
Model 500 Bulldog	GM 8.2L - 502ci - 8cyl	97-01	Bravo Plug-In Models (Opt)	DR	12	50-8M8021116	PH140-0017-D	•
Model 500 Bulldog	GM 8.9L - 540ci - 8cyl	97-01	Bravo Plug-In Models (Std)	DR	12	9000821	PH140-0017	•
Model 500 Bulldog	GM 8.9L - 540ci - 8cyl	97-01	Trans & Driveline Models (Opt)	DR	12	9000888	PH140-0022-CCW	
Model 500 Bulldog	GM 8.9L - 540ci - 8cyl	97-01	Trans & Driveline Models (Std)	DR	12	19010615	PH140-0022-CCW	
Model 500 Bulldog	GM 8.2L - 502ci - 8cyl	90-96	Bravo Plug In Models (Opt)	DR	12	50-8M8021116	PH140-0017-D	•
Model 500 Bulldog	GM 8.9L - 540ci - 8cyl	90-96	Bravo Plug In Models (Opt)	DR	12	9000821	PH140-0017	•
Model 500 Bulldog	GM 8.9L - 540ci - 8cyl	90-96	Bravo Plug in Models (Std)	DR	12	9000762	PH140-0017	•
Model 500 Bulldog	GM 8.9L - 540ci - 8cyl	90-96	Trans & Driveline Models (Opt)	DR	12	19010615	PH140-0022-CCW	
Model 500 Bulldog	GM 8.9L - 540ci - 8cyl	90-96	Trans & Driveline Models (Std)	DR	12	1998316	PH140-0022-CCW	
Model 500 EFI	GM 8.2L - 502ci - 8cyl	99-On	Late PMGR Starter	DR	12	50-8M8021116	PH140-0017-D	•
Model 525 EFI	GM 8.2L - 502ci - 8cyl	02-On	Late PMGR Starter	DR	12	50-8M8021116	PH140-0017-D	•

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# APPLICATIONS - INBOARD & STERNDRIIVE STARTERS

PROTORQUE - Inboard & Sterndrive Starters

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>MERCURISER - continued</b>								
<b>HI-PERFORMANCE ENGINES - continued</b>								
Model 5255C	GM 7.4L - 454ci - 8cyl	91-92	Bravo Plug-In Models	DR	12	1998570	PH140-0015	•
Model 5255C	GM 7.4L - 454ci - 8cyl	91-92	Trans & Driveline Models	DR	12	1998316	PH140-0022-CCW	
Model 5255C (Gen V)	GM 7.4L - 454ci - 8cyl	96	Bravo Plug In Models (Opt)	DR	12	9000821	PH140-0017	•
Model 5255C (Gen V)	GM 7.4L - 454ci - 8cyl	96	Bravo Plug in Models (Std)	DR	12	1998570	PH140-0015	•
Model 5255C (Gen V)	GM 7.4L - 454ci - 8cyl	96	Trans & Driveline Models (Opt)	DR	12	19010615	PH140-0022-CCW	
Model 5255C (Gen V)	GM 7.4L - 454ci - 8cyl	96	Trans & Driveline Models (Std)	DR	12	1998316	PH140-0022-CCW	
Model 5255C (Gen V)	GM 7.4L - 454ci - 8cyl	92-95	Bravo Plug-In Models	DR	12	1998570	PH140-0015	•
Model 5255C (Gen V)	GM 7.4L - 454ci - 8cyl	92-95	Trans & Driveline Models	DR	12	1998316	PH140-0022-CCW	
Model 5255C (Gen VI)	GM 7.4L - 454ci - 8cyl	97-On	Bravo Plug-In Models	DR	12	9000821	PH140-0017	•
Model 5255C (Gen VI)	GM 7.4L - 454ci - 8cyl	97-On	Trans & Driveline Models	DR	12	19010615	PH140-0022-CCW	
Model 575	GM 8.9L - 540ci - 8cyl	85-92	Delco System	DR	12	1998316	PH140-0022-CCW	
Model 575SCI	GM 8.2L - 502ci - 8cyl	00-On	Late PMGR Starter	DR	12	50-8M8021116	PH140-0017-D	•
Model 6005C (Gen IV & V)	GM 8.2L - 502ci - 8cyl	91-96	Optional 14MT Starter	DR	12	19010615	PH140-0022-CCW	
Model 6005C (Gen IV & V)	GM 8.2L - 502ci - 8cyl	91-96	Standard 10MT Starter	DR	12	1998316	PH140-0022-CCW	
Model 6005C (Gen VI)	GM 8.2L - 502ci - 8cyl	97-98	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 6005C (Gen VI)	GM 8.2L - 502ci - 8cyl	97-98	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 6005CI	GM 8.2L - 502ci - 8cyl	02-On	Late PMGR Starter	DR	12	50-8M8021116	PH140-0017-D	•
Model 6625CI		02-On	Late PMGR Starter	DR	12	50-8M8021116	PH140-0017-D	•
Model 7005CI		02-On	Late PMGR Starter	DR	12	50-8M8021116	PH140-0017-D	•
Model 8005C (Gen V)	GM 9.4L - 572ci - 8cyl	93-98	Trans & Driveline Models (Opt)	DR	12	19010615	PH140-0022-CCW	
Model 8005C (Gen V)	GM 9.4L - 572ci - 8cyl	93-98	Trans & Driveline Models (Std)	DR	12	1998316	PH140-0022-CCW	
Model 8005CI	GM 9.4L - 572ci - 8cyl	02-On	Delco PMGR Starter (CCW)	DR	12	9000888	PH140-0022-CCW	
Model 9005C	GM 9.0L - 542ci - 8cyl	99-02	Delco 14MT Starter (CCW)	DR	12	19010615	PH140-0022-CCW	
Model 9005C	GM 9.0L - 542ci - 8cyl	99-02	Delco PMGR Starter (CCW)	DR	12	9000888	PH140-0022-CCW	
<b>INBOARD ENGINES</b>								
Model 5.0L (4-BBL)	GM 5.0L - 305ci - 8cyl	87-95	CW	DR	12	1109484	PH140-0022	
Model 5.0L (4-BBL)	GM 5.0L - 305ci - 8cyl	87-95	CCW	DR	12	1109485	PH140-0022-CCW	
Model 5.7L EFI (Gen+)	GM 5.7L - 350ci - 8cyl	98-On	Delco 14MT Starter	DR	12	19010615	PH140-0022-CCW	
Model 5.7L EFI (Gen+)	GM 5.7L - 350ci - 8cyl	98-On	Delco PMGR Starter	DR	12	9000888	PH140-0022-CCW	
Model 5.7L EFI (Gen+) MIE	GM 5.7L - 350ci - 8cyl	97-On	Delco 14MT Starter (CCW)	DR	12	19010615	PH140-0022-CCW	
Model 5.7L EFI (Gen+) MIE	GM 5.7L - 350ci - 8cyl	97-On	Delco PMGR Starter (CCW)	DR	12	9000888	PH140-0022-CCW	
Model 5.7L MIE	GM 5.7L - 350ci - 8cyl	99-On	Delco PMGR Starter (CCW)	DR	12	9000888	PH140-0022-CCW	
Model 5.7L MIE	GM 5.7L - 350ci - 8cyl	99-On	Delco 14MT Starter (CCW)	DR	12	19010615	PH140-0022-CCW	
Model 5.7L MIE	GM 5.7L - 350ci - 8cyl	97-98	Delco 14MT Starter (CCW)	DR	12	9000888	PH140-0022-CCW	
Model 5.7L MIE	GM 5.7L - 350ci - 8cyl	97-98	Delco 14MT Starter (CCW)	DR	12	19010615	PH140-0022-CCW	
Model 5.7L MIE	GM 5.7L - 350ci - 8cyl	97-98	Delco 14MT Starter (CW)	DR	12	19010617	PH140-0022	
Model 5.7L MIE	GM 5.7L - 350ci - 8cyl	88-96	CW	DR	12	1998315	PH140-0022	
Model 5.7L MIE	GM 5.7L - 350ci - 8cyl	88-96	CCW	DR	12	1998316	PH140-0022-CCW	
Model 7.4L MIE (LH) (Gen V)	GM 7.4L - 454ci - 8cyl	92-96	CW	DR	12	1998315	PH140-0022	
Model 7.4L MIE (LH) (Gen V)	GM 7.4L - 454ci - 8cyl	92-96	CCW	DR	12	1998316	PH140-0022-CCW	
Model 7.4L MIE (LH) (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Delco System	DR	12	19010615	PH140-0022-CCW	
Model 7.4L MIE (LH) w/ Hurth MK4	GM 7.4L - 454ci - 8cyl	89-92	CCW	DR	12	1998316	PH140-0022-CCW	
Model 7.4L MIE MPI (L29) (Gen VI)	GM 7.4L - 454ci - 8cyl	98-00	Delco System	DR	12	19010615	PH140-0022-CCW	
Model 7.4L MIE MPI (LH) (Gen V)	GM 7.4L - 454ci - 8cyl	95-96	Delco System	DR	12	1998316	PH140-0022-CCW	
Model 7.4L MIE MPI (LH) (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Delco System	DR	12	19010615	PH140-0022-CCW	
Model 7.4L MIE TBI (LH) (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Delco System	DR	12	19010615	PH140-0022-CCW	
Model 7.4L MIE w/ Borg Warner	GM 7.4L - 454ci - 8cyl	88-92	CW	DR	12	1998315	PH140-0022-CCW	
Model 7.4L MIE w/ Borg Warner	GM 7.4L - 454ci - 8cyl	88-92	CCW	DR	12	1998316	PH140-0022-CCW	
Model 8.1S HO	GM 8.1L - 496ci - 8cyl	01-On	Delco 14MT Starter (CCW)	DR	12	19010615	PH140-0022-CCW	
Model 8.1S HO	GM 8.1L - 496ci - 8cyl	01-On	Delco PMGR Starter (CCW)	DR	12	9000888	PH140-0022-CCW	
Model 8.1S Horizon	GM 8.1L - 496ci - 8cyl	01-On	Delco 14MT Starter (CCW)	DR	12	19010615	PH140-0022-CCW	
Model 8.1S Horizon	GM 8.1L - 496ci - 8cyl	01-On	Delco PMGR Starter (CCW)	DR	12	9000888	PH140-0022-CCW	
Model 8.2L MIE MPI (LH) (Gen V)	GM 8.2L - 502ci - 8cyl	00-On	Delco PG260L Replacement	DR	12	9000888	PH140-0022-CCW	
Model 8.2L MIE MPI (LH) (Gen V)	GM 8.2L - 502ci - 8cyl	00-On	Delco 14MT Starter	DR	12	19010615	PH140-0022-CCW	
Model 8.2L MIE MPI (LH) (Gen V)	GM 8.2L - 502ci - 8cyl	96-99	Delco System	DR	12	19010615	PH140-0022-CCW	
Model 8.2L MIE (Gen V)	GM 8.2L - 502ci - 8cyl	93-96	Delco System	DR	12	1998316	PH140-0022-CCW	
Model 8.2L MIE w/ Hurth	GM 8.2L - 502ci - 8cyl	90-92	Delco System	DR	12	1998316	PH140-0022-CCW	
Model 198 MIE	GM 5.0L - 305ci - 8cyl	77	Inboard CCW	DR	12	1109485	PH140-0022-CCW	
Model 198 MIE	GM 5.0L - 305ci - 8cyl	77	Inboard CW	DR	12	1109484	PH140-0022	
Model 215 MIE	Ford 5.0L - 302ci - 8cyl	70-72	CW	DR	12	1108373	PH140-0022	
Model 215 MIE	Ford 5.0L - 302ci - 8cyl	70-72	CCW	DR	12	1108374	PH140-0022-CCW	
Model 225	Ford 5.0L - 302ci - 8cyl	73-74	CW	DR	12	1109484	PH140-0022	
Model 225	Ford 5.0L - 302ci - 8cyl	73-74	CCW	DR	12	1109485	PH140-0022-CCW	
Model 225	GM 5.4L - 327ci - 8cyl	67-69	Inboard CCW	DR	12	1108374	PH140-0022-CCW	
Model 225	GM 5.4L - 327ci - 8cyl	67-69	Inboard CW	DR	12	1108373	PH140-0022	
Model 225 MIE	Ford 5.0L - 302ci - 8cyl	73-74	CW	DR	12	1109484	PH140-0022	
Model 225 MIE	Ford 5.0L - 302ci - 8cyl	73-74	CCW	DR	12	1109485	PH140-0022-CCW	
Model 225 MIE	GM 5.4L - 327ci - 8cyl	68	Inboard CCW	DR	12	1108374	PH140-0022-CCW	
Model 225 MIE	GM 5.4L - 327ci - 8cyl	68	Inboard CW	DR	12	1108373	PH140-0022	
Model 228	GM 5.0L - 305ci - 8cyl	77-81	Inboard CCW	DR	12	1109485	PH140-0022-CCW	
Model 228	GM 5.0L - 305ci - 8cyl	77-81	Inboard CW	DR	12	1109484	PH140-0022	
Model 228 MIE	GM 5.0L - 305ci - 8cyl	77-81	Inboard CCW	DR	12	1109485	PH140-0022-CCW	
Model 228 MIE	GM 5.0L - 305ci - 8cyl	77-81	Inboard CW	DR	12	1109484	PH140-0022	
Model 230 MIE	GM 5.0L - 305ci - 8cyl	81-95	CW	DR	12	1109484	PH140-0022	



# APPLICATIONS - INBOARD & STERNDRIIVE STARTERS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MERCURISER - continued</b>							
<b>INBOARD ENGINES - continued</b>							
Model 230 MIE	GM 5.0L - 305ci - 8cyl	81-95	CCW	DR	12	1109485	PH140-0022-CCW
Model 233	Ford 5.8L - 351ci - 8cyl	75-77	Inboard CCW	DR	12	1109485	PH140-0022-CCW
Model 233	Ford 5.8L - 351ci - 8cyl	75-77	Inboard CW	DR	12	1109484	PH140-0022
Model 233 MIE	Ford 5.8L - 351ci - 8cyl	75-77	Inboard CCW	DR	12	1109485	PH140-0022-CCW
Model 233 MIE	Ford 5.8L - 351ci - 8cyl	75-77	Inboard CW	DR	12	1109484	PH140-0022
Model 250 MIE	GM 5.4L - 327ci - 8cyl	68-69	CW	DR	12	1108373	PH140-0022
Model 250 MIE	GM 5.4L - 327ci - 8cyl	68-69	CCW	DR	12	1108374	PH140-0022-CCW
Model 255	Ford 5.8L - 351ci - 8cyl	73-74	Inboard CCW	DR	12	1109485	PH140-0022-CCW
Model 255	Ford 5.8L - 351ci - 8cyl	73-74	Inboard CW	DR	12	1109484	PH140-0022
Model 255 MIE	Ford 5.8L - 351ci - 8cyl	73-74	Inboard CCW	DR	12	1109485	PH140-0022-CCW
Model 255 MIE	Ford 5.8L - 351ci - 8cyl	73-74	Inboard CW	DR	12	1109484	PH140-0022
Model 255 MIE	GM 5.7L - 350ci - 8cyl	75-80	CW	DR	12	1109484	PH140-0022
Model 255 MIE	GM 5.7L - 350ci - 8cyl	75-80	CCW	DR	12	1109485	PH140-0022-CCW
Model 260 MIE	GM 5.7L - 350ci - 8cyl	81-87	CW	DR	12	1109484	PH140-0022
Model 260 MIE	GM 5.7L - 350ci - 8cyl	81-87	CCW	DR	12	1109485	PH140-0022-CCW
Model 270 MIE	GM 5.7L - 350ci - 8cyl	69-72	CW	DR	12	1108373	PH140-0022
Model 270 MIE	GM 5.7L - 350ci - 8cyl	69-72	CCW	DR	12	1108374	PH140-0022-CCW
Model 325 MIE	GM 7.0L - 427ci - 8cyl	68-74	CW	DR	12	1108373	PH140-0022
Model 325 MIE	GM 7.0L - 427ci - 8cyl	68-74	CCW	DR	12	1108374	PH140-0022-CCW
Model 330	GM 7.4L - 454ci - 8cyl	77-81	Inboard CCW	DR	12	1109485	PH140-0022-CCW
Model 330	GM 7.4L - 454ci - 8cyl	77-81	Inboard CW	DR	12	1109484	PH140-0022
Model 330 MIE	GM 7.4L - 454ci - 8cyl	77-80	Inboard CCW	DR	12	1109485	PH140-0022-CCW
Model 330 MIE	GM 7.4L - 454ci - 8cyl	77-80	Inboard CW	DR	12	1109484	PH140-0022
Model 340 MIE w/ Borg Warner MK4	GM 7.4L - 454ci - 8cyl	81-87	CW	DR	12	1109484	PH140-0022
Model 340 MIE w/ Borg Warner MK4	GM 7.4L - 454ci - 8cyl	81-87	CCW	DR	12	1109485	PH140-0022-CCW
Model 350 Mag MPI (Gen+)	GM 5.7L - 350ci - 8cyl	98-On	Delco PMGR Starter (CCW)	DR	12	9000888	PH140-0022-CCW
Model 350 Mag MPI (Gen+)	GM 5.7L - 350ci - 8cyl	98-On	Delco 14MT Starter (CCW)	DR	12	19010615	PH140-0022-CCW
Model 350 Mag MPI Horizon	GM 5.7L - 350ci - 8cyl	99-On	Delco PMGR Starter (CCW)	DR	12	9000888	PH140-0022-CCW
Model 350 Mag MPI Horizon	GM 5.7L - 350ci - 8cyl	99-On	Delco 14MT Starter (CCW)	DR	12	19010615	PH140-0022-CCW
Model 350 Mag MPI MIE (Gen+)	GM 5.7L - 350ci - 8cyl	98-99	Delco PMGR Starter (CCW)	DR	12	9000888	PH140-0022-CCW
Model 350 Mag MPI MIE (Gen+)	GM 5.7L - 350ci - 8cyl	98-99	Delco 14MT Starter (CCW)	DR	12	19010615	PH140-0022-CCW
Model 350 MIE	GM 7.4L - 454ci - 8cyl	74-76	CW	DR	12	1109484	PH140-0022
Model 350 MIE	GM 7.4L - 454ci - 8cyl	74-76	CCW	DR	12	1109485	PH140-0022-CCW
Model 390 MIE	GM 7.4L - 454ci - 8cyl	69-70	CW	DR	12	1108373	PH140-0022
Model 390 MIE	GM 7.4L - 454ci - 8cyl	69-70	CCW	DR	12	1108374	PH140-0022-CCW
Model 454 Mag MPI Horizon (Gen V)	GM 7.4L - 454ci - 8cyl	98-On	Delco 14MT Starter (CCW)	DR	12	19010615	PH140-0022-CCW
Model 454 Mag MPI Horizon (Gen V)	GM 7.4L - 454ci - 8cyl	98-On	Delco PMGR Starter (CCW)	DR	12	9000888	PH140-0022-CCW
Model 898	GM 5.0L - 305ci - 8cyl	77-82	Inboard CCW	DR	12	1109485	PH140-0022-CCW
Model 898	GM 5.0L - 305ci - 8cyl	77-82	Inboard CW	DR	12	1109484	PH140-0022
Model MX 6.2L MPI	GM 6.2L - 377ci - 8cyl	01-On	Delco PMGR Starter (CCW)	DR	12	9000888	PH140-0022-CCW
Model MX 6.2L MPI Horizon	GM 6.2L - 377ci - 8cyl	01-On	Delco PMGR Starter (CCW)	DR	12	9000888	PH140-0022-CCW
<b>SKI ENGINES</b>							
Black Scorpion Ski (Gen+)	GM 5.7L - 350ci - 8cyl	99-On	Delco PG260G Starter	DR	12	9000884	PH140-0017-D
Black Scorpion Ski (Gen+)	GM 5.7L - 350ci - 8cyl	99-On	Std PG260F1 Starter	DR	12	9000840	PH140-0016-HT
Black Scorpion Ski (Gen+)	GM 5.7L - 350ci - 8cyl	96-98	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017
Black Scorpion Ski (Gen+)	GM 5.7L - 350ci - 8cyl	96-98	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017
Model 5.7L Competition Ski	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017
Model 5.7L Competition Ski	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017
Model 5.7L Competition Ski	GM 5.7L - 350ci - 8cyl	87-95	Standard 10MT Starter	DR	12	1998570	PH140-0015
Model 5.7L Competition Ski	GM 5.7L - 350ci - 8cyl	87-95	Standard PG200 Starter	DR	12	9000762	PH140-0017
Model 5.7L Competition Ski	GM 5.7L - 350ci - 8cyl	87-95	Standard PG260 Starter	DR	12	9000821	PH140-0017
Model 5.7L Ski	GM 5.7L - 350ci - 8cyl	85-87	Flange Mt CCW Rotation	DR	12	1109485	PH140-0022-CCW
Model 5.7L Ski	GM 5.7L - 350ci - 8cyl	85-87	Flange Mt CW Rotation	DR	12	1109484	PH140-0022
Model 5.7L Ski	GM 5.7L - 350ci - 8cyl	85-87	Pad Mount CW	DR	12	1109482	PH140-0015
Model 5.7L Ski (CARB)	GM 5.7L - 350ci - 8cyl	98-On	Delco System	DR	12	9000884	PH140-0017-D
Model 5.7L Ski (Gen+)	GM 5.7L - 350ci - 8cyl	98-On	Delco System	DR	12	9000840	PH140-0016-HT
Model 350 Mag EFI Ski (Gen+)	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017
Model 350 Mag EFI Ski (Gen+)	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017
Model 350 Mag EFI Ski (TBI)	GM 5.7L - 350ci - 8cyl	94-96	Standard PG200 Starter	DR	12	9000762	PH140-0017
Model 350 Mag EFI Ski (TBI)	GM 5.7L - 350ci - 8cyl	94-96	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017
Model 350 Mag EFI Ski (TBI)	GM 5.7L - 350ci - 8cyl	94-96	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017
Model 350 Mag MPI Ski	GM 5.7L - 350ci - 8cyl	95-96	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017
Model 350 Mag MPI Ski	GM 5.7L - 350ci - 8cyl	95-96	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017
Model 350 Mag MPI Ski (Gen+)	GM 5.7L - 350ci - 8cyl	98-On	Std PG260G Starter	DR	12	9000884	PH140-0017-D
Model 350 Mag MPI Ski (Gen+)	GM 5.7L - 350ci - 8cyl	98-On	Std PG260F1 Starter	DR	12	9000840	PH140-0016-HT
Model 350 Mag Ski	GM 5.7L - 350ci - 8cyl	97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017
Model 350 Mag Ski	GM 5.7L - 350ci - 8cyl	97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017
Model 350 Mag Ski	GM 5.7L - 350ci - 8cyl	91-96	Std PG200 Starter	DR	12	9000762	PH140-0017
Model 350 Mag Ski	GM 5.7L - 350ci - 8cyl	91-96	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017
Model 350 Mag Ski	GM 5.7L - 350ci - 8cyl	91-96	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017
Model 454 EFI Ski (Gen V)	GM 7.4L - 454ci - 8cyl	95	Std PG200 Starter	DR	12	9000762	PH140-0017
Model 454 EFI Ski (Gen V)	GM 7.4L - 454ci - 8cyl	95	Std PG260 Starter	DR	12	9000821	PH140-0017
Model 454 Mag MPI Ski (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017
Model 454 Mag MPI Ski (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017
Model MX 6.2L BS MPI Ski	GM 6.2L - 377ci - 8cyl	01-On	Std PG260G Starter	DR	12	9000884	PH140-0017-D

PROTORQUE - Inboard & Sterndrive Starters



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# APPLICATIONS - INBOARD & STERNDRIVE STARTERS

**PROTORQUE - Inboard & Sterndrive Starters**

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>MERCURISER - continued</b>								
<b>STERN DRIVE</b>								
Model 2.5L	GM 2.5L - 153ci - 4cyl	87-89	Delco System	DR	12	1109488	PH140-0013	•
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	99-On	Stagger Bolt mtg (14" Flywheel)	DR	12	9000884	PH140-0017-D	•
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	99-On	Stagger Bolt mtg (exc 14")	DR	12	9000840	PH140-0016-HT	•
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	96-98	S/N: 0L097000-On (Stagger)	DR	12	9000840	PH140-0016-HT	•
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	96-98	S/N: To 0L096999 (Straight)	DR	12	9000822	PH140-0020	•
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	90-95	Delco System	DR	12	1998317	PH140-0013	•
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	90-95	Delco System	DR	12	9000763	PH140-0020	•
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	90-95	Delco System	DR	12	9000822	PH140-0020	•
Model 3.0 / 3.0LX	GM 3.0L - 181ci - 4cyl	87-89	Delco System	DR	12	1998317	PH140-0013	•
Model 3.7L	Mercury 3.7L - 262ci - 6cyl	87-89	Delco System	DR	12	1998460	PH140-0022	•
Model 4.3L (2-BBL)	GM 4.3L - 262ci - 6cyl	88-92	Std 10MT Starter	DR	12	1998570	PH140-0015	•
Model 4.3L (Gen+)	GM 4.3L - 262ci - 6cyl	96-97	Opt PG260 Starter (Smaller Case)	DR	12	9000840	PH140-0016-HT	•
Model 4.3L (Gen+)	GM 4.3L - 262ci - 6cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 4.3L (Gen+)	GM 4.3L - 262ci - 6cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 4.3L (Gen+)	GM 4.3L - 262ci - 6cyl	98-On	Replacement PG260G Starter	DR	12	9000884	PH140-0017-D	•
Model 4.3L (Gen+)	GM 4.3L - 262ci - 6cyl	98-On	Std PG260F1 Starter	DR	12	9000840	PH140-0016-HT	•
Model 4.3L (GenII)	GM 4.3L - 262ci - 6cyl	96	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 4.3L (GenII)	GM 4.3L - 262ci - 6cyl	96	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 4.3L (GenII)	GM 4.3L - 262ci - 6cyl	94-95	Std PG200 Starter	DR	12	9000762	PH140-0017	•
Model 4.3L (GenII)	GM 4.3L - 262ci - 6cyl	94-95	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 4.3L (GenII)	GM 4.3L - 262ci - 6cyl	94-95	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 4.3L (GenII)	GM 4.3L - 262ci - 6cyl	92-93	Delco System	DR	12	9000762	PH140-0017	•
Model 4.3L (GenII)(2-BBL)	GM 4.3L - 262ci - 6cyl	96	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 4.3L (GenII)(2-BBL)	GM 4.3L - 262ci - 6cyl	96	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 4.3L (GenII)(2-BBL)	GM 4.3L - 262ci - 6cyl	94-95	Std PG200 Starter	DR	12	9000762	PH140-0017	•
Model 4.3L (GenII)(2-BBL)	GM 4.3L - 262ci - 6cyl	94-95	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 4.3L (GenII)(2-BBL)	GM 4.3L - 262ci - 6cyl	94-95	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 4.3L (GenII)(2-BBL)	GM 4.3L - 262ci - 6cyl	93	Delco System	DR	12	9000762	PH140-0017	•
Model 4.3L (GenII)(2-BBL)	GM 4.3L - 262ci - 6cyl	93	Std PG200 Starter	DR	12	9000762	PH140-0017	•
Model 4.3L (GenII)(2-BBL)	GM 4.3L - 262ci - 6cyl	93	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 4.3L (GenII)(2-BBL)	GM 4.3L - 262ci - 6cyl	93	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 4.3L (GenII)(2-BBL)	GM 4.3L - 262ci - 6cyl	92	Delco System	DR	12	9000762	PH140-0017	•
Model 4.3L EFI	GM 4.3L - 262ci - 6cyl	99	Delco System	DR	12	9000840	PH140-0016-HT	•
Model 4.3L EFI (Gen+) TBI	GM 4.3L - 262ci - 6cyl	98-01	Replacement PG260G Starter	DR	12	9000884	PH140-0017-D	•
Model 4.3L EFI (Gen+) TBI	GM 4.3L - 262ci - 6cyl	98-01	Std PG260F1 Starter	DR	12	9000840	PH140-0016-HT	•
Model 4.3L MPI	GM 4.3L - 262ci - 6cyl	01-02	Std PG260G Starter	DR	12	9000884	PH140-0017-D	•
Model 4.3L (Carb) Alpha & Bravo	GM 4.3L - 262ci - 6cyl	02-On	Std PG260G Starter	DR	12	9000884	PH140-0017-D	•
Model 4.3L (MFI) Alpha & Bravo	GM 4.3L - 262ci - 6cyl	02-On	Std PG260G Starter	DR	12	9000884	PH140-0017-D	•
Model 4.3LH (Gen+)(4-BBL)	GM 4.3L - 262ci - 6cyl	98-On	Replacement PG260G Starter	DR	12	9000884	PH140-0017-D	•
Model 4.3LH (Gen+)(4-BBL)	GM 4.3L - 262ci - 6cyl	98-On	Std PG260F1 Starter	DR	12	9000840	PH140-0016-HT	•
Model 4.3LHX (Gen+)(4-BBL)	GM 4.3L - 262ci - 6cyl	96-97	Opt PG260 Starter (Smaller Case)	DR	12	9000840	PH140-0016-HT	•
Model 4.3LHX (Gen+)(4-BBL)	GM 4.3L - 262ci - 6cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 4.3LX (4-BBL)	GM 4.3L - 262ci - 6cyl	88-92	Std 10MT Starter	DR	12	1998570	PH140-0015	•
Model 4.3LX (Gen+)(2-BBL)	GM 4.3L - 262ci - 6cyl	96-97	Opt PG260 Starter (Smaller Case)	DR	12	9000840	PH140-0016-HT	•
Model 4.3LX (Gen+)(2-BBL)	GM 4.3L - 262ci - 6cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 4.3LX (Gen+)(2-BBL)	GM 4.3L - 262ci - 6cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 4.3LX (GenIII)(4-BBL)	GM 4.3L - 262ci - 6cyl	96	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 4.3LX (GenIII)(4-BBL)	GM 4.3L - 262ci - 6cyl	96	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 4.3LX (GenIII)(4-BBL)	GM 4.3L - 262ci - 6cyl	94-95	Std PG200 Starter	DR	12	9000762	PH140-0017	•
Model 4.3LX (GenIII)(4-BBL)	GM 4.3L - 262ci - 6cyl	94-95	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 4.3LX (GenIII)(4-BBL)	GM 4.3L - 262ci - 6cyl	94-95	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 4.3LX (GenIII)(4-BBL)	GM 4.3L - 262ci - 6cyl	93	Delco System	DR	12	9000762	PH140-0017	•
Model 4.3LX (GenIII)(4-BBL)	GM 4.3L - 262ci - 6cyl	93	Std PG200 Starter	DR	12	9000762	PH140-0017	•
Model 4.3LX (GenIII)(4-BBL)	GM 4.3L - 262ci - 6cyl	93	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 4.3LX (GenIII)(4-BBL)	GM 4.3L - 262ci - 6cyl	93	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 4.3LX (GenIII)(4-BBL)	GM 4.3L - 262ci - 6cyl	92	Delco System	DR	12	9000762	PH140-0017	•
Model 5.0L (2-BBL)	GM 5.0L - 305ci - 8cyl	95-98	Delco System	DR	12	9000840	PH140-0016-HT	•
Model 5.0L (2-BBL)(Gen +)	GM 5.0L - 305ci - 8cyl	98-02	Std PG260G Starter	DR	12	9000884	PH140-0017-D	•
Model 5.0L (Carb) Alpha & Bravo	GM 5.0L - 305ci - 8cyl	02-On	Std PG260G Starter	DR	12	9000884	PH140-0017-D	•
Model 5.0L EFI (Gen +)	GM 5.0L - 305ci - 8cyl	98-01	Replacement PG260G Starter	DR	12	9000884	PH140-0017-D	•
Model 5.0L EFI (Gen +)	GM 5.0L - 305ci - 8cyl	98-01	Std PG260F1 Starter	DR	12	9000840	PH140-0016-HT	•
Model 5.0L MPI Alpha & Brvo	GM 5.0L - 305ci - 8cyl	01-On	Std PG260G Starter	DR	12	9000884	PH140-0017-D	•
Model 5.0LX	GM 5.0L - 305ci - 8cyl	88-95	Std 10MT Starter	DR	12	1998570	PH140-0015	•
Model 5.0LX	GM 5.0L - 305ci - 8cyl	88-95	Std PG200 Starter	DR	12	9000762	PH140-0017	•
Model 5.0LX	GM 5.0L - 305ci - 8cyl	88-95	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 5.0LX	GM 5.0L - 305ci - 8cyl	88-95	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 5.7L (2-BBL)	GM 5.7L - 350ci - 8cyl	98	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 5.7L (2-BBL)	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 5.7L (2-BBL)	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 5.7L (2-BBL)(Gen +)	GM 5.7L - 350ci - 8cyl	98-02	Std PG260G Starter	DR	12	9000884	PH140-0017-D	•
Model 5.7L (Carb) Alpha & Bravo	GM 5.7L - 350ci - 8cyl	02-On	Std PG260G Starter	DR	12	9000884	PH140-0017-D	•
Model 5.7L Bravo	GM 5.7L - 350ci - 8cyl	89-95	Std 10MT Starter	DR	12	1998570	PH140-0015	•
Model 5.7L Bravo	GM 5.7L - 350ci - 8cyl	89-95	Std PG200 Starter	DR	12	9000762	PH140-0017	•
Model 5.7L Bravo	GM 5.7L - 350ci - 8cyl	89-95	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 5.7L Bravo	GM 5.7L - 350ci - 8cyl	89-95	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 5.7L EFI (Gen+)	GM 5.7L - 350ci - 8cyl	98-01	Replacement PG260G Starter	DR	12	9000884	PH140-0017-D	•
Model 5.7L EFI (Gen+)	GM 5.7L - 350ci - 8cyl	98-01	Std PG260F1 Starter	DR	12	9000840	PH140-0016-HT	•





# APPLICATIONS - INBOARD & STERNDRIVE STARTERS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>MERCUISER - continued</b>								
<b>STERN DRIVE - continued</b>								
Model 5.7L EFI (TBI)(2-BBL)	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 5.7L EFI (TBI) Alpha	GM 5.7L - 350ci - 8cyl	95	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 5.7L EFI (TBI) Alpha	GM 5.7L - 350ci - 8cyl	95	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 5.7L EFI (TBI) Bravo	GM 5.7L - 350ci - 8cyl	95	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 5.7L EFI (TBI) Bravo	GM 5.7L - 350ci - 8cyl	95	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 5.7LX (4-BBL)	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 5.7LX (4-BBL)	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 5.7LX Bravo EFI (Gen+)	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 5.7LX Bravo EFI (Gen+)	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 5.7LX EFI (TBI) (2-BBL)	GM 5.7L - 350ci - 8cyl	97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 5.7LX EFI (TBI) (2-BBL)	GM 5.7L - 350ci - 8cyl	97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 5.7LX EFI (TBI) (4-BBL)	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 5.7LX EFI (TBI) (4-BBL)	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 7.4L Bravo	GM 7.4L - 454ci - 8cyl	88-91	Std 10MT Starter	DR	12	1998570	PH140-0017	•
Model 7.4L Bravo	GM 7.4L - 454ci - 8cyl	88-91	Std PG200 Starter	DR	12	9000762	PH140-0017	•
Model 7.4L Bravo (Gen V)	GM 7.4L - 454ci - 8cyl	92-96	Std PG200 Starter	DR	12	9000762	PH140-0017	•
Model 7.4L Bravo (Gen V)	GM 7.4L - 454ci - 8cyl	92-96	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 7.4L Bravo (Gen V)	GM 7.4L - 454ci - 8cyl	92-96	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 7.4L Bravo (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 7.4L Bravo (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 7.4L MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	98	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 7.4L MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	98	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 7.4LX Bravo MPI (Gen V)	GM 7.4L - 454ci - 8cyl	96	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 7.4LX Bravo MPI (Gen V)	GM 7.4L - 454ci - 8cyl	96	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 7.4LX Bravo MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 7.4LX Bravo MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 7.4LX Bravo TBI (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 7.4LX Bravo TBI (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 7.4LX MPI (Gen V)	GM 7.4L - 454ci - 8cyl	96	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 7.4LX MPI (Gen V)	GM 7.4L - 454ci - 8cyl	96	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 7.4LX MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 7.4LX MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 7.4LX MPI (Gen VI) (L29)	GM 7.4L - 454ci - 8cyl	98-00	Std PG260M Starter	DR	12	9000819	PH140-0017	•
Model 7.4LX TBI (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 7.4LX TBI (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 110	GM 2.5L - 153ci - 4cyl	63-66	Delco System	DR	12	50-32703	PH140-0013	•
Model 120	GM 2.5L - 153ci - 4cyl	86-89	Delco System	DR	12	1109488	PH140-0013	•
Model 120	GM 2.5L - 153ci - 4cyl	79-85	Delco System	DR	12	1109490	PH140-0013	•
Model 120	GM 2.5L - 153ci - 4cyl	73-78	w/ Centre Support Plate	DR	12	1108756	PH140-0013	•
Model 120	GM 2.5L - 153ci - 4cyl	73-78	w/o Centre Support Plate	DR	12	1108477	PH140-0013	•
Model 120	GM 2.5L - 153ci - 4cyl	64-72	Delco System	DR	12	50-32703	PH140-0013	•
Model 140	GM 3.0L - 181ci - 4cyl	86	Delco System	DR	12	1109488	PH140-0013	•
Model 140	GM 3.0L - 181ci - 4cyl	79-85	Delco System	DR	12	1109490	PH140-0013	•
Model 140	GM 3.0L - 181ci - 4cyl	73-78	w/ Centre Support Plate	DR	12	1108756	PH140-0013	•
Model 140	GM 3.0L - 181ci - 4cyl	73-78	w/o Centre Support Plate	DR	12	1108477	PH140-0013	•
Model 140	GM 3.0L - 181ci - 4cyl	68-72	Delco System	DR	12	50-32703	PH140-0013	•
Model 140	GM 3.2L - 194ci - 6cyl	63	Delco System	DR	12	50-32703	PH140-0013	•
Model 150	GM 3.8L - 230ci - 6cyl	64-66	Delco System	DR	12	50-32703	PH140-0013	•
Model 160	GM 4.1L - 250ci - 6cyl	67-69	Delco System	DR	12	50-45120	PH140-0013	•
Model 165	GM 4.1L - 250ci - 6cyl	79-82	Delco System	DR	12	1109488	PH140-0013	•
Model 165	GM 4.1L - 250ci - 6cyl	70-78	Delco System	DR	12	50-45120	PH140-0013	•
Model 165	Mercury 3.7L - 224ci - 4cyl	87-89	Delco System	DR	12	1998460	PH140-0022	•
Model 170	Mercury 3.7L - 224ci - 4cyl	84-86	Delco System	DR	12	1998460	PH140-0022	•
Model 175	GM 4.3L - 262ci - 6cyl	91-92	Delco System	DR	12	9000762	PH140-0017	•
Model 175	GM 4.3L - 262ci - 6cyl	87-90	Delco System	DR	12	1998570	PH140-0015	•
Model 180	Mercury 3.7L - 224ci - 4cyl	87-89	Delco System	DR	12	1998460	PH140-0022	•
Model 185	GM 3.8L - 229ci - 6cyl	83-84	Delco System	DR	12	1109488	PH140-0013	•
Model 185	GM 4.3L - 262ci - 6cyl	85-87	Delco System	DR	12	1998570	PH140-0015	•
Model 190	GM 4.6L - 283ci - 8cyl	63-64	Delco System	DR	12	50-32703	PH140-0013	•
Model 190	Mercury 3.7L - 224ci - 4cyl	85-86	Delco System	DR	12	1998460	PH140-0022	•
Model 200	GM 4.9L - 292ci - 6cyl	69	Delco System	DR	12	50-45120	PH140-0013	•
Model 200	GM 5.0L - 305ci - 8cyl	87	Std 10MT Starter	DR	12	1998570	PH140-0015	•
Model 200	GM 5.0L - 305ci - 8cyl	87	Std PG200 Starter	DR	12	9000762	PH140-0017	•
Model 200	GM 5.0L - 305ci - 8cyl	87	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 200	GM 5.0L - 305ci - 8cyl	87	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 200	GM 5.0L - 305ci - 8cyl	85-86	w/ 12 3/4" Flywheel	DR	12	1998317	PH140-0013	•
Model 200	GM 5.0L - 305ci - 8cyl	85-86	w/ 14" Flywheel	DR	12	1998570	PH140-0015	•
Model 205	GM 4.3L - 262ci - 6cyl	88-91	Delco System	DR	12	1998570	PH140-0015	•
Model 205	GM 4.3L - 262ci - 6cyl	88-91	Delco System	DR	12	9000762	PH140-0017	•
Model 205	GM 4.3L - 262ci - 6cyl	85-87	Delco System	DR	12	1998570	PH140-0015	•
Model 215	Ford 5.0L - 302ci - 8cyl	70-72	Electric Shift CW	FO	12	D5FF-11001-AA	PH140-0004	•
Model 215	Ford 5.0L - 302ci - 8cyl	70-72	Electric Shift CCW	FO	12	50-70604A3	PH140-0004-CCW	•
Model 215	Ford 5.0L - 302ci - 8cyl	70-72	Hydraulic Shift CW	DR	12	1108373	PH140-0022	•
Model 215	Ford 5.0L - 302ci - 8cyl	70-72	Hydraulic Shift CCW	DR	12	1108374	PH140-0022-CCW	•
Model 225	Ford 5.0L - 302ci - 8cyl	73-74	CW	FO	12	D5FF-11001-AA	PH140-0004	•
Model 225	Ford 5.0L - 302ci - 8cyl	73-74	CCW	FO	12	50-70604A3	PH140-0004-CCW	•
Model 225	GM 5.4L - 327ci - 8cyl	67-69	Stern Drive CW Std	DR	12	50-46277	PH140-0013	•

PROTORQUE - Inboard & Sterndrive Starters



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# APPLICATIONS - INBOARD & STERNDRIVE STARTERS

**PROTORQUE - Inboard & Sterndrive Starters**

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>MERCUISER - continued</b>								
<b>STERN DRIVE - continued</b>								
Model 225	GM 5.4L - 327ci - 8cyl	63-66	Delco System	DR	12	50-32703	PH140-0013	•
Model 228	GM 5.0L - 305ci - 8cyl	82-84	w/ 12 3/4" Flywheel	DR	12	1998317	PH140-0013	•
Model 228	GM 5.0L - 305ci - 8cyl	82-84	w/ 14" Flywheel	DR	12	1998570	PH140-0015	•
Model 228	GM 5.0L - 305ci - 8cyl	77-81	Stern Drive CW Std	DR	12	1108755	PH140-0013	•
Model 230	GM 5.0L - 305ci - 8cyl	87	Std 10MT Starter	DR	12	1998570	PH140-0015	•
Model 230	GM 5.0L - 305ci - 8cyl	87	Std PG200 Starter	DR	12	9000762	PH140-0017	•
Model 230	GM 5.0L - 305ci - 8cyl	87	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 230	GM 5.0L - 305ci - 8cyl	87	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 230	GM 5.0L - 305ci - 8cyl	85-86	w/ 12 3/4" Flywheel	DR	12	1998317	PH140-0013	•
Model 230	GM 5.0L - 305ci - 8cyl	85-86	w/ 14" Flywheel	DR	12	1998570	PH140-0015	•
Model 250	GM 5.4L - 327ci - 8cyl	68-69	CW	DR	12	1108373	PH140-0022	•
Model 250	GM 5.4L - 327ci - 8cyl	68-69	CCW	DR	12	1108374	PH140-0022-CCW	•
Model 250	GM 5.7L - 350ci - 8cyl	77	Delco System	DR	12	1109488	PH140-0013	•
Model 255	Ford 5.8L - 351ci - 8cyl	73-74	Stern Drive - Ford System	FO	12	D5FF-11001-AA	PH140-0004	•
Model 260	GM 5.7L - 350ci - 8cyl	87	Std 10MT Starter	DR	12	1998570	PH140-0015	•
Model 260	GM 5.7L - 350ci - 8cyl	87	Std PG200 Starter	DR	12	9000762	PH140-0017	•
Model 260	GM 5.7L - 350ci - 8cyl	87	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 260	GM 5.7L - 350ci - 8cyl	87	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 260	GM 5.7L - 350ci - 8cyl	82-86	w/ 12 3/4" Flywheel	DR	12	1998317	PH140-0013	•
Model 260	GM 5.7L - 350ci - 8cyl	82-86	w/ 14" Flywheel	DR	12	1998570	PH140-0015	•
Model 260	GM 5.7L - 350ci - 8cyl	78-81	Delco System	DR	12	1109488	PH140-0013	•
Model 262 Mag (Gen+)(TBI)	GM 4.3L - 262ci - 6cyl	96-97	Std PG260 Starter	DR	12	9000821	PH140-0017	•
Model 270	GM 5.7L - 350ci - 8cyl	69-72	CW	DR	12	1108373	PH140-0022	•
Model 270	GM 5.7L - 350ci - 8cyl	69-72	CCW	DR	12	1108374	PH140-0022-CCW	•
Model 280 TRS	GM 5.7L - 350ci - 8cyl	75-76	Delco System	DR	12	1109488	PH140-0013	•
Model 300 Tempest	GM 5.7L - 350ci - 8cyl	85-86	MR - w/ 12 3/4" Flywheel	DR	12	1998317	PH140-0013	•
Model 300 Tempest	GM 5.7L - 350ci - 8cyl	85-86	MR - w/ 14" Flywheel	DR	12	1998570	PH140-0015	•
Model 300 Tempest	GM 5.7L - 350ci - 8cyl	85-86	TR - All	DR	12	1998316	PH140-0022-CCW	•
Model 320 (EFI)	GM 5.7L - 350ci - 8cyl	87-90	Delco System	DR	12	1998570	PH140-0015	•
Model 325	GM 7.0L - 427ci - 8cyl	69-72	CW	DR	12	1108373	PH140-0022	•
Model 325	GM 7.0L - 427ci - 8cyl	69-72	CCW	DR	12	1108374	PH140-0022-CCW	•
Model 330	GM 7.4L - 454ci - 8cyl	82-87	Stern Drive - All	DR	12	1109485	PH140-0022-CCW	•
Model 330	GM 7.4L - 454ci - 8cyl	77-81	Stern Drive - All	DR	12	1109482	PH140-0015	•
Model 350 Mag Alpha	GM 5.7L - 350ci - 8cyl	88-95	Std 10MT Starter	DR	12	1998570	PH140-0015	•
Model 350 Mag Alpha	GM 5.7L - 350ci - 8cyl	88-95	Std PG200 Starter	DR	12	9000762	PH140-0017	•
Model 350 Mag Alpha	GM 5.7L - 350ci - 8cyl	88-95	Std PG200 Starter	DR	12	9000821	PH140-0017	•
Model 350 Mag Alpha	GM 5.7L - 350ci - 8cyl	86-87	Delco System	DR	12	1998570	PH140-0015	•
Model 350 Mag Alpha (4-BBL)	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 350 Mag Alpha (4-BBL)	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 350 Mag Alpha EFI (Gen+)	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 350 Mag Alpha EFI (Gen+)	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 350 Mag Bravo MPI	GM 5.7L - 350ci - 8cyl	95	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 350 Mag Bravo MPI	GM 5.7L - 350ci - 8cyl	95	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 350 Mag Bravo MPI (Gen+)	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 350 Mag Bravo MPI (Gen+)	GM 5.7L - 350ci - 8cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 350 Mag MPI Alpha & Bravo	GM 5.7L - 350ci - 8cyl	01-On	Std PG260G Starter	DR	12	9000884	PH140-0017-D	•
Model 350 Mag MPI Alpha & Bravo	GM 5.7L - 350ci - 8cyl	98-00	Replacement PG260G Starter	DR	12	9000884	PH140-0017-D	•
Model 350 Mag MPI Alpha & Bravo	GM 5.7L - 350ci - 8cyl	98-00	Std PG260F1 Starter	DR	12	9000840	PH140-0016-HT	•
Model 350 Mag MPI Hor Alpha & Bravo	GM 5.7L - 350ci - 8cyl	01-On	Std PG260G Starter	DR	12	9000884	PH140-0017-D	•
Model 370 TRS	GM 7.4L - 454ci - 8cyl	78-87	Delco System	DR	12	1998316	PH140-0022-CCW	•
Model 390	GM 7.5L - 482ci - 8cyl	69-70	CW	DR	12	1108373	PH140-0022	•
Model 390	GM 7.5L - 482ci - 8cyl	69-70	CCW	DR	12	1108374	PH140-0022-CCW	•
Model 400 TRS (Cyclone)	GM 7.4L - 454ci - 8cyl	80-86	Delco System	DR	12	1998316	PH140-0022-CCW	•
Model 440 TRS (Cyclone)	GM 7.4L - 454ci - 8cyl	83-86	Delco System	DR	12	1998316	PH140-0022-CCW	•
Model 454 EFI (Gen V)	GM 7.4L - 454ci - 8cyl	94-96	Std PG200 Starter	DR	12	9000762	PH140-0017	•
Model 454 EFI (Gen V)	GM 7.4L - 454ci - 8cyl	94-96	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 454 EFI (Gen V)	GM 7.4L - 454ci - 8cyl	94-96	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 454 Mag Alpha	GM 7.4L - 454ci - 8cyl	86-88	Delco System	DR	12	1109482	PH140-0015	•
Model 454 Mag Bravo	GM 7.4L - 454ci - 8cyl	88-92	Std 10MT Starter	DR	12	1998570	PH140-0015	•
Model 454 Mag Bravo	GM 7.4L - 454ci - 8cyl	88-92	Std PG200 Starter	DR	12	9000762	PH140-0017	•
Model 454 Mag Bravo (Gen V)	GM 7.4L - 454ci - 8cyl	95-96	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 454 Mag Bravo (Gen V)	GM 7.4L - 454ci - 8cyl	95-96	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 454 Mag Bravo (Gen V)	GM 7.4L - 454ci - 8cyl	92-94	Std PG200 Starter	DR	12	9000762	PH140-0017	•
Model 454 Mag Bravo (Gen V)	GM 7.4L - 454ci - 8cyl	92-94	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 454 Mag Bravo (Gen V)	GM 7.4L - 454ci - 8cyl	92-94	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 454 Mag Bravo (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 454 Mag Bravo (Gen VI)	GM 7.4L - 454ci - 8cyl	96-97	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 454 Mag MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	00-On	Std PG260G Starter	DR	12	9000884	PH140-0017-D	•
Model 454 Mag Bravo MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	96-99	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017	•
Model 454 Mag Bravo MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	96-99	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017	•
Model 454 Mag MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	99-On	Std PG260L Starter	DR	12	9000886	PH140-0017	•
Model 454 Mag MPI (Gen VI)	GM 7.4L - 454ci - 8cyl	96-98	Std PG260M Starter	DR	12	9000821	PH140-0017	•
Model 454 Mag MPI Horizon	GM 7.4L - 454ci - 8cyl	01-On	Replacement PMGR Starter	DR	12	9000888	PH140-0022-CCW	•
Model 454 Mag MPI Horizon	GM 7.4L - 454ci - 8cyl	01-On	Std 14MT Starter	DR	12	19010615	PH140-0022-CCW	•
Model 460 TRS (Cyclone)	GM 7.5L - 482ci - 8cyl	83-86	Delco System	DR	12	1998316	PH140-0022-CCW	•
Model 470	Mercury 3.7L - 224ci - 4cyl	83-84	CW	DR	12	1998404	PH140-0022	•



# APPLICATIONS - INBOARD & STERNDRIVE STARTERS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MERCURISER - continued</b>							
<b>STERN DRIVE - continued</b>							
Model 488	Mercury 3.7L - 224ci - 4cyl	83-84	CW	DR	12	1998404	PH140-0022
Model 496 Mag	GM 8.1L - 496ci - 8cyl	01-On	Replacement PG260G Starter	DR	12	9000884	PH140-0017-D
Model 496 Mag	GM 8.1L - 496ci - 8cyl	01-On	Std PG260M Starter	DR	12	9000821	PH140-0017
Model 496 Mag HO	GM 8.1L - 496ci - 8cyl	01-On	Replacement PG260G Starter	DR	12	9000884	PH140-0017-D
Model 496 Mag HO	GM 8.1L - 496ci - 8cyl	01-On	Std PG260M Starter	DR	12	9000821	PH140-0017
Model 502 EFI (Gen V)	GM 8.2L - 502ci - 8cyl	93-95	Std PG200 Starter	DR	12	9000762	PH140-0017
Model 502 EFI (Gen V)	GM 8.2L - 502ci - 8cyl	93-95	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017
Model 502 EFI (Gen V)	GM 8.2L - 502ci - 8cyl	93-95	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017
Model 502 Mag Bravo	GM 8.2L - 502ci - 8cyl	90-92	Delco System	DR	12	9000762	PH140-0017
Model 502 Mag Bravo (Gen V)	GM 8.2L - 502ci - 8cyl	92-93	Std PG200 Starter	DR	12	9000762	PH140-0017
Model 502 Mag Bravo (Gen V)	GM 8.2L - 502ci - 8cyl	92-93	Std PG260 Starter	DR	12	9000821	PH140-0017
Model 502 Mag MPI (Gen VI)	GM 8.2L - 502ci - 8cyl	99-On	Replacement PG260G Starter	DR	12	9000884	PH140-0017-D
Model 502 Mag MPI (Gen VI)	GM 8.2L - 502ci - 8cyl	99-On	Std PG260L Starter	DR	12	9000886	PH140-0017
Model 502 Mag MPI (Gen VI)	GM 8.2L - 502ci - 8cyl	96-98	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017
Model 502 Mag MPI (Gen VI)	GM 8.2L - 502ci - 8cyl	96-98	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017
Model 502 Mag MPI Bravo (Gen VI)	GM 8.2L - 502ci - 8cyl	98-99	Std PG260 Starter (3-terminal)	DR	12	9000819	PH140-0017
Model 502 Mag MPI Bravo (Gen VI)	GM 8.2L - 502ci - 8cyl	98-99	Std PG260 Starter (4-terminal)	DR	12	9000821	PH140-0017
Model 888	Ford 5.0L - 302ci - 8cyl	71-77	Ford System	FO	12	D5FF-11001-AA	PH140-0004
Model 898	GM 5.0L - 305ci - 8cyl	83-84	w/ 12 3/4" Flywheel	DR	12	1998317	PH140-0013
Model 898	GM 5.0L - 305ci - 8cyl	83-84	w/ 14" Flywheel	DR	12	1998570	PH140-0015
Model 898	GM 5.0L - 305ci - 8cyl	77-82	Stern Drive - CW (Opt)	DR	12	1109488	PH140-0013
Model 898	GM 5.0L - 305ci - 8cyl	77-82	Stern Drive - CW (Std)	DR	12	1109489	PH140-0013
Model MX 6.2L MPI	GM 6.2L - 377ci - 8cyl	00-On	Std PG260G Starter	DR	12	9000884	PH140-0017-D
Model MX 6.2L MPI Horizon	GM 6.2L - 377ci - 8cyl	00-On	Std PG260G Starter	DR	12	9000884	PH140-0017-D

## MITSUBISHI

<b>INBOARD</b>							
L2E	L2E-61WM		Mitsubishi System	MI	12	M2T56283	PH140-0024
L2E	L2E-62WM		Mitsubishi System	MI	12	M2T56283	PH140-0024
L3A	L3A-61WM		Mitsubishi System	MI	12	M2T56283	PH140-0024
L3C	L3C-61WM		Mitsubishi System	MI	12	M2T56283	PH140-0024
L3C	L3C-62WM		Mitsubishi System	MI	12	M2T56283	PH140-0024
L3C	L3C-63WMA		Mitsubishi System	MI	12	M2T56283	PH140-0024
L3E	L3E-61WM		Mitsubishi System	MI	12	M2T56283	PH140-0024
L3E	L3E-62WM		Mitsubishi System	MI	12	M2T56283	PH140-0024

## OMC

<b>ENGINES - MARINE</b>							
2.3L	4cyl - 140ci - 2.3L Ford	87-90	Ford System CCW	FO	12	984628	PH140-0005
2.5L	4cyl - 153ci - 2.5L GM	84-86	Replacement PMGR Starter	DR	12	988217	PH140-0020
2.5L	4cyl - 153ci - 2.5L GM	84-86	Original Starter	DR	12	983790	PH140-0013
2.5L	4cyl - 153ci - 2.5L GM	82-83	Original Starter	DR	12	1998318	PH140-0013
2.5L	4cyl - 153ci - 2.5L GM	79-81	Original Starter	DR	12	1109489	PH140-0013
2.5L	4cyl - 153ci - 2.5L GM	78	Original Starter	DR	12	1108755	PH140-0013
3.0L	4cyl - 181ci - 3.0L GM	95-96	Original Starter	DR	12	3854750	PH140-0020
3.0L	4cyl - 181ci - 3.0L GM	94	Original Starter	DR	12	3850526	PH140-0020
3.0L	4cyl - 181ci - 3.0L GM	89-93	Replacement PMGR Starter	DR	12	988217	PH140-0020
3.0L	4cyl - 181ci - 3.0L GM	89-93	Original Starter	DR	12	985966	PH140-0013
3.0L	4cyl - 181ci - 3.0L GM	84-88	Replacement PMGR Starter	DR	12	988217	PH140-0020
3.0L	4cyl - 181ci - 3.0L GM	84-88	Original Starter	DR	12	983790	PH140-0013
3.0L	4cyl - 181ci - 3.0L GM	82-83	Original Starter	DR	12	1998318	PH140-0013
3.0L	4cyl - 181ci - 3.0L GM	79-81	Original Starter	DR	12	1109489	PH140-0013
3.0L	4cyl - 181ci - 3.0L GM	78	Original Starter	DR	12	1108755	PH140-0013
3.8L	6cyl - 231ci - 3.8L GM	84-85	Replacement PMGR Starter	DR	12	988217	PH140-0020
3.8L	6cyl - 231ci - 3.8L GM	84-85	Original Starter	DR	12	983790	PH140-0013
3.8L	6cyl - 231ci - 3.8L GM	81-83	Original Starter	DR	12	983790	PH140-0013
4.3L	6cyl - 262ci - 4.3L GM	95-96	Original Starter	DR	12	3854751	PH140-0017
4.3L	6cyl - 262ci - 4.3L GM	94	Replacement PMGR Starter	DR	12	3854751	PH140-0017
4.3L	6cyl - 262ci - 4.3L GM	94	Original Starter	DR	12	3850525	PH140-0015
4.3L	6cyl - 262ci - 4.3L GM	87-93	Replacement PMGR Starter	DR	12	3854751	PH140-0017
4.3L	6cyl - 262ci - 4.3L GM	87-93	Original Starter	DR	12	984456	PH140-0015
4.3L	6cyl - 262ci - 4.3L GM	85-86	Replacement PMGR Starter	DR	12	988217	PH140-0020
4.3L	6cyl - 262ci - 4.3L GM	85-86	Original Starter	DR	12	983790	PH140-0013
5.0L	8cyl - 302ci - 5.0L Ford	94-96	Ford System CCW	FO	12	3854190	PH140-0004
5.0L	8cyl - 302ci - 5.0L Ford	93	Ford System CCW	FO	12	987811	PH140-0004
5.0L	8cyl - 302ci - 5.0L Ford	92	Ford System CCW - AMH Models	FO	12		PH140-0004-CCW
5.0L	8cyl - 302ci - 5.0L Ford	92	Ford System CCW - AMK Models	FO	12	987811	PH140-0004
5.0L	8cyl - 302ci - 5.0L Ford	90-91	Ford System CCW	FO	12		PH140-0004-CCW
5.0L	8cyl - 302ci - 5.0L Ford	90-91	Ford System CW	FO	12		PH140-0004
5.0L	8cyl - 305ci - 5.0L Ford	87-88	GM Engine - Original Starter	DR	12	984456	PH140-0015
5.0L	8cyl - 305ci - 5.0L Ford	87-88	GM Engine - Repl PMGR	DR	12	3854751	PH140-0017
5.0L	8cyl - 305ci - 5.0L Ford	86	Models KW & KWB Opt	DR	12	988217	PH140-0020
5.0L	8cyl - 305ci - 5.0L Ford	86	Models KW & KWB Std	DR	12	983790	PH140-0013
5.0L	8cyl - 305ci - 5.0L Ford	86	Models WX & WXS Opt	DR	12	3854751	PH140-0017
5.0L	8cyl - 305ci - 5.0L Ford	86	Models WX & WXS Std	DR	12	984456	PH140-0015
5.0L	8cyl - 305ci - 5.0L Ford	84-85	Original Starter	DR	12	983790	PH140-0013

PROTORQUE - Inboard & Stern Drive Starters



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FAX: 609-654-5710

WEB: [www.protorqueparts.com](http://www.protorqueparts.com)

# APPLICATIONS - INBOARD & STERNDRIVE STARTERS

PROTORQUE - Inboard & Sterndrive Starters

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
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## OMC - continued

ENGINES - MARINE - continued								
5.0L	8cyl - 305ci - 5.0L Ford	84-85	Replacement PMGR Starter	DR	12	988217	PH140-0020	•
5.0L	8cyl - 305ci - 5.0L Ford	79-81	Inboard CW	DR	12	1109484	PH140-0022	
5.0L	8cyl - 305ci - 5.0L Ford	79-81	Stern Drive	DR	12	1109489	PH140-0013	•
5.0L	8cyl - 305ci - 5.0L Ford	78	Inboard CCW	DR	12	1109485	PH140-0022-CCW	
5.0L	8cyl - 305ci - 5.0L Ford	78	Inboard CW	DR	12	1109484	PH140-0022	
5.0L	8cyl - 305ci - 5.0L Ford	78	Stern Drive	DR	12	1109487	PH140-0013	•
5.7L	8cyl - 350ci - 5.7L GM	95-96	Original Starter	DR	12	3854751	PH140-0017	•
5.7L	8cyl - 350ci - 5.7L GM	94	Original Starter	DR	12	3850525	PH140-0015	•
5.7L	8cyl - 350ci - 5.7L GM	94	Replacement PMGR Starter	DR	12	3854751	PH140-0017	•
5.7L	8cyl - 350ci - 5.7L GM	87-91	Original Starter	DR	12	984456	PH140-0015	•
5.7L	8cyl - 350ci - 5.7L GM	87-91	Replacement PMGR Starter	DR	12	3854751	PH140-0017	•
5.7L	8cyl - 350ci - 5.7L GM	86	Models KW & KWB Opt	DR	12	988217	PH140-0020	•
5.7L	8cyl - 350ci - 5.7L GM	86	Models KW & KWB Std	DR	12	983790	PH140-0013	•
5.7L	8cyl - 350ci - 5.7L GM	86	Models WX & WXS Opt	DR	12	3854751	PH140-0017	•
5.7L	8cyl - 350ci - 5.7L GM	86	Models WX & WXS Std	DR	12	984456	PH140-0015	•
5.7L	8cyl - 350ci - 5.7L GM	84-85	Original Starter	DR	12	1998317	PH140-0013	•
5.7L	8cyl - 350ci - 5.7L GM	84-85	Replacement PMGR Starter	DR	12	988217	PH140-0020	•
5.7L	8cyl - 350ci - 5.7L GM	82-83	Stern Drive	DR	12	1998317	PH140-0013	•
5.7L	8cyl - 350ci - 5.7L GM	78-81	Inboard CCW	DR	12	1109484	PH140-0022	
5.7L	8cyl - 350ci - 5.7L GM	78-81	Inboard CW	DR	12	1109485	PH140-0022-CCW	
5.7L	8cyl - 350ci - 5.7L GM	78-81	Stern Drive	DR	12	1109488	PH140-0013	•
5.8L	8cyl - 351ci - 5.8L Ford	94-96	Ford System CCW	FO	12	3854190	PH140-0004	
5.8L	8cyl - 351ci - 5.8L Ford	93	Ford System CCW	FO	12	987811	PH140-0004	
5.8L	8cyl - 351ci - 5.8L Ford	89-92	Ford System CCW	FO	12		PH140-0004-CCW	
5.8L	8cyl - 351ci - 5.8L Ford	78-81	Ford System CCW	FO	12		PH140-0004-CCW	
5.8L	8cyl - 351ci - 5.8L Ford	78-81	Ford System CW	FO	12		PH140-0004	
7.4L	8cyl - 454ci - 7.4L GM	95-96	Original Starter	DR	12	3854751	PH140-0017	•
7.4L	8cyl - 454ci - 7.4L GM	94	Original Starter	DR	12	3853982	PH140-0015	•
7.4L	8cyl - 454ci - 7.4L GM	94	Replacement PMGR Starter	DR	12	3854751	PH140-0017	•
7.4L	8cyl - 454ci - 7.4L GM	90-93	Original Starter	DR	12	986505	PH140-0015	•
7.4L	8cyl - 454ci - 7.4L GM	90-93	Replacement PMGR Starter	DR	12	3854751	PH140-0017	•
7.4L	8cyl - 454ci - 7.4L GM	88	Delco System CCW	DR	12	984982	PH140-0022-CCW	
7.4L	8cyl - 454ci - 7.4L GM	78-80	Flange Mt CCW Rotation	DR	12	1109485	PH140-0022-CCW	
7.4L	8cyl - 454ci - 7.4L GM	78-80	Flange Mt CW Rotation	DR	12	1109484	PH140-0022	
7.5L	8cyl - 460ci - 7.5L Ford	87-90	Ford System CW	FO	12	984536	PH140-0006	
8.2L	8cyl - 502ci - 8.2L GM	92	Replacement PMGR Starter	DR	12	3854751	PH140-0017	•
8.2L	8cyl - 502ci - 8.2L GM	92	Original Starter	DR	12	986505	PH140-0015	•
8.2L	8cyl - 502ci - 8.2L GM	89-91	Replacement PMGR Starter	DR	12	3854751	PH140-0017	•
8.2L	8cyl - 502ci - 8.2L GM	88	Original Starter	DR	12	984456	PH140-0015	•
8.2L	8cyl - 502ci - 8.2L GM	88	Replacement PMGR Starter	DR	12	3854751	PH140-0017	•

## OWENS YACHT

INBOARD & STERNDRIVE								
Corvette		59-63	w/ CCW	DR	12	1107696	PH140-0012-CCW	

## PALMER

INBOARD & STERNDRIVE								
Various		61-63	w/ Flange Mount w/CW	DR	12	1107688	PH140-0012	

## PENN YAN

INBOARD & STERNDRIVE								
350		70-76	w/ CCW	DR	12	1108442	PH140-0015-CCW	

## PERKINS

ENGINES - MARINE								
Various Models	Diesel Engines	All	Delco 20-27MT CW 10T	DR	12	1998330	PH150-0011	
Various Models	Diesel Engines	All	Delco 28MT CW 10T	DR	12	1113274	PH150-0009	
Various Models	Diesel Engines	All	Delco 28MT CW 10T	DR	12	1113281	PH150-0011	
Various Models	Diesel Engines	All	Lucas Starter CW 10T	LU	12	26282A	PH150-0003	
Various Models	Diesel Engines	All	Lucas Starter CW 10T	LU	12	27417	PH150-0003	
Various Models	Diesel Engines	All	Lucas Starter CW 13T	LU	12	47920034	PH150-0001	
4-236	4cyl	89-On	Delco 28MT CW 10T	DR	12	1113281	PH150-0011	
4-236	4cyl	83-88	Delco 20-27MT CW 10T	DR	12	1998330	PH150-0011	
Various	4cyl	73-On	Lucas Starter CW 10T	LU	12	26282A	PH150-0003	

## PLEASURECRAFT

INBOARD & STERNDRIVE								
231CI, 3.8L	6cyl - 231ci - 3.8L	81-95	w/ CW	DR	12		PH140-0013	•
302CI, 5.0L	8cyl - 302ci - 5.0L	75-On	w/ CCW	FO	12		PH140-0004-CCW	
302CI, 5.0L	8cyl - 302ci - 5.0L	75-On	w/ CW	FO	12		PH140-0004	
305CI, 5.0L	8cyl - 305ci - 5.0L	76-95	w/ Flange Mount w/ CCW	DR	12		PH140-0022-CCW	
305CI, 5.0L	8cyl - 305ci - 5.0L	76-95	w/ Flange Mount w/ CW	DR	12		PH140-0022	
305CI, 5.0L	8cyl - 305ci - 5.0L	76-95	w/ Offset Pad Mount w/ CCW	DR	12		PH140-0015-CCW	
305CI, 5.0L	8cyl - 305ci - 5.0L	76-95	w/ Offset Pad Mount w/ CW	DR	12		PH140-0015	•
305CI, 5.0L	8cyl - 305ci - 5.0L	76-95	w/ Straght Across Pad Mount	DR	12		PH140-0013	•





# APPLICATIONS - INBOARD & STERNDRIVE STARTERS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>PLEASURECRAFT - continued</b>								
<b>INBOARD &amp; STERNDRIVE - continued</b>								
305CI, 5.0L	8cyl - 305ci - 5.0L	02-On	w/ PMGR Starter (Bottom)	DR	12		PH140-0017	•
305CI, 5.0L	8cyl - 305ci - 5.0L	02-On	w/ PMGR Starter (Top)	DR	12	9000888	PH140-0022-CCW	
350CI, 5.7L	8cyl - 350ci - 5.7L	76-95	w/ Flange Mount w/ CCW	DR	12		PH140-0022-CCW	
350CI, 5.7L	8cyl - 350ci - 5.7L	76-95	w/ Flange Mount w/ CW	DR	12		PH140-0022	
350CI, 5.7L	8cyl - 350ci - 5.7L	76-95	w/ Offset Pad Mount w/ CCW	DR	12		PH140-0015-CCW	
350CI, 5.7L	8cyl - 350ci - 5.7L	76-95	w/ Offset Pad Mount w/ CW	DR	12		PH140-0015	•
350CI, 5.7L	8cyl - 350ci - 5.7L	76-95	w/ Straght Across Pad Mount	DR	12		PH140-0013	•
350CI, 5.7L	8cyl - 350ci - 5.7L	02-On	w/ PMGR Starter	DR	12		PH140-0017	•
351CI, 5.8L	8cyl - 351ci - 5.8L	75-On	w/ CCW	FO	12		PH140-0004-CCW	
351CI, 5.8L	8cyl - 351ci - 5.8L	75-On	w/ CW	FO	12		PH140-0004	
364CI, 6.0L	8cyl - 364ci - 6.0L	03-07	w/ PMGR Starter	DR	12	9000887	PH140-0021	
454CI, 7.4L	8cyl - 454ci - 7.4L	76-95	w/ Flange Mount w/ CCW	DR	12		PH140-0022-CCW	
454CI, 7.4L	8cyl - 454ci - 7.4L	76-95	w/ Flange Mount w/ CW	DR	12		PH140-0022	
454CI, 7.4L	8cyl - 454ci - 7.4L	76-95	w/ Offset Pad Mount w/ CCW	DR	12		PH140-0015-CCW	
454CI, 7.4L	8cyl - 454ci - 7.4L	76-95	w/ Offset Pad Mount w/ CW	DR	12		PH140-0015	•
454CI, 7.4L	8cyl - 454ci - 7.4L	76-95	w/ Straght Across Pad Mount	DR	12	1108755	PH140-0013	•
460CI, 7.5L	8cyl - 460ci - 7.5L	75-On	w/ CCW	FO	12		PH140-0004-CCW	
460CI, 7.5L	8cyl - 460ci - 7.5L	75-On	w/ CW	FO	12		PH140-0004	
496CI, 8.1L	8cyl - 496ci - 8.1L	01-04	w/ PMGR Starter	DR	12		PH140-0017	•

## TELEDYNE

<b>INBOARD &amp; STERNDRIVE</b>								
91		66-68	w/ CW	DR	12	1107259	PH140-0013	•
112		66-68	w/ CW	DR	12	1107259	PH140-0013	•
162		66-68	w/ CW	DR	12	1107259	PH140-0013	•
226		66-68	w/ CW	DR	12	1107259	PH140-0013	•
232		66-68	w/ CW	DR	12	1107259	PH140-0013	•
287		66-68	w/ CW	DR	12	1107259	PH140-0013	•

## THERMO ELECTRON

<b>ENGINES - MARINE</b>								
Various Models	170 Engine	70-71	CW	DR	12	1109484	PH140-0022	
Various Models	170 Engine	70-71	CCW	DR	12	1109485	PH140-0022-CCW	
Various Models	185 Engine	70-71	CW	DR	12	1109484	PH140-0022	
Various Models	185 Engine	70-71	CCW	DR	12	1109485	PH140-0022-CCW	
Various Models	200 Engine	70-71	CW	DR	12	1109484	PH140-0022	
Various Models	200 Engine	70-71	CCW	DR	12	1109485	PH140-0022-CCW	
Various Models	225 Engine	70-71	CW	DR	12	1109484	PH140-0022	
Various Models	225 Engine	70-71	CCW	DR	12	1109485	PH140-0022-CCW	
Various Models	229 Engine	80-88	CW	DR	12	1109490	PH140-0013	•
Various Models	230 Engine	70-71	CW	DR	12	1109484	PH140-0022	
Various Models	230 Engine	70-71	CCW	DR	12	1109485	PH140-0022-CCW	
Various Models	262 Engine	79-88	CW	DR	12	1998570	PH140-0015	•
Various Models	283 Engine	70-71	CW	DR	12	1109484	PH140-0022	
Various Models	283 Engine	70-71	CCW	DR	12	1109485	PH140-0022-CCW	
Various Models	305 Engine	77-88	Flange Mount CCW	DR	12	1109485	PH140-0022-CCW	
Various Models	305 Engine	77-88	Flange Mount CW	DR	12	1109484	PH140-0022	
Various Models	305 Engine	77-88	Offset Pad Mount CW	DR	12	1109482	PH140-0015	•
Various Models	305 Engine	77-88	Straight Mount CW	DR	12	1109486	PH140-0013	•
Various Models	327 Engine	70-71	CW	DR	12	1109484	PH140-0022	
Various Models	327 Engine	70-71	CCW	DR	12	1109485	PH140-0022-CCW	
Various Models	348 Engine	70-71	CW	DR	12	1109484	PH140-0022	
Various Models	348 Engine	70-71	CCW	DR	12	1109485	PH140-0022-CCW	
Various Models	350 Engine	77-88	Flange Mount CCW	DR	12	1109485	PH140-0022-CCW	
Various Models	350 Engine	77-88	Flange Mount CW	DR	12	1109484	PH140-0022	
Various Models	350 Engine	77-88	Offset Pad Mount CW	DR	12	1109482	PH140-0015	•
Various Models	350 Engine	77-88	Straight Mount CW	DR	12	1109486	PH140-0013	•
Various Models	409 Engine	70-71	CW	DR	12	1109484	PH140-0022	
Various Models	409 Engine	70-71	CCW	DR	12	1109485	PH140-0022-CCW	
Various Models	427 Engine	70-71	CW	DR	12	1109484	PH140-0022	
Various Models	427 Engine	70-71	CCW	DR	12	1109485	PH140-0022-CCW	
Various Models	454 Engine	77-88	Flange Mount CCW	DR	12	1109485	PH140-0022-CCW	
Various Models	454 Engine	77-88	Flange Mount CW	DR	12	1109484	PH140-0022	
Various Models	454 Engine	77-88	Offset Pad Mount CW	DR	12	1109482	PH140-0015	•
Various Models	454 Engine	77-88	Straight Mount CW	DR	12	1109486	PH140-0013	•

## UNIVERSAL

<b>INBOARD</b>								
Super Sabre	6cyl - 225ci - Gas	63-64	w/ CW	DR	12		PH140-0013	•

## VOLVO PENTA

<b>INBOARD &amp; STERNDRIVE</b>								
3.0GL	4cyl - 181ci - 3.0L Gas	93-99	Delco PG260M Starter (Straight Mount)	DR	12	3856003-3	PH140-0020	•
3.0GLM	4cyl - 181ci - 3.0L Gas	00-07	Delco PG260G Starter (Offset Mount)	DR	12	3885317	PH140-0017-D	•
3.0GLP	4cyl - 181ci - 3.0L Gas	00-07	Delco PG260G Starter (Offset Mount)	DR	12	3885317	PH140-0017-D	•



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# APPLICATIONS - INBOARD & STERNDRIVE STARTERS

PROTORQUE - Inboard & Sterndrive Starters

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
3.0GS	4cyl - 181ci - 3.0L Gas	93-99	Delco PG260M Starter (Straight Mount)	DR	12	3856003-3	PH140-0020	•
3.0GSM	4cyl - 181ci - 3.0L Gas	00-02	Delco PG260G Starter (Offset Mount)	DR	12	3885317	PH140-0017-D	•
4.3GI	6cyl - 262ci - 4.3L Gas	93-99	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
4.3GL	6cyl - 262ci - 4.3L Gas	00-07	Delco PG260G Starter (Offset Mount)	DR	12	3885317	PH140-0017-D	•
4.3GL	6cyl - 262ci - 4.3L Gas	00-07	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
4.3GL	6cyl - 262ci - 4.3L Gas	93-99	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
4.3GS	6cyl - 262ci - 4.3L Gas	93-99	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
4.3GX1, OS1	6cyl - 262ci - 4.3L Gas	00-07	Delco PG260G Starter (Offset Mount)	DR	12	3885317	PH140-0017-D	•
4.3GX1, OS1	6cyl - 262ci - 4.3L Gas	00-07	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
5.0FI	8cyl - 302ci - 5.0L Gas (Ford)	93-99	Ford PMGR Starter	FO	12	3854190	PH140-0004	
5.0FL	8cyl - 302ci - 5.0L Gas (Ford)	93-99	Ford PMGR Starter	FO	12	3854190	PH140-0004	
5.0GI	8cyl - 305ci - 5.0L Gas (GM)	97-99	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
5.0GL	8cyl - 305ci - 5.0L Gas (GM)	00-07	Delco PG260G Starter (Offset Mount)	DR	12	3885317	PH140-0017-D	•
5.0GL	8cyl - 305ci - 5.0L Gas (GM)	97-99	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
5.0GX1, OS1	8cyl - 305ci - 5.0L Gas (GM)	01-07	Delco PG260G Starter (Offset Mount)	DR	12	3885317	PH140-0017-D	•
5.7GI	8cyl - 350ci - 5.7L Gas	00-07	Delco PG260G Starter (Offset Mount)	DR	12	3885317	PH140-0017-D	•
5.7GI	8cyl - 350ci - 5.7L Gas	93-99	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
5.7GI	8cyl - 350ci - 5.7L Gas	93-99	Delco 10MT Starter (Offset Mount)	DR	12	3850525	PH140-0015	•
5.7GIL	8cyl - 350ci - 5.7L Gas	00-07	Delco PG260L Starter (Flange Mount)	DR	12	3862985	PH140-0022-CCW	
5.7GL	8cyl - 350ci - 5.7L Gas	00-07	Delco PG260G Starter (Offset Mount)	DR	12	3885317	PH140-0017-D	•
5.7GL	8cyl - 350ci - 5.7L Gas	93-99	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
5.7GL	8cyl - 350ci - 5.7L Gas	93-99	Delco 10MT Starter (Offset Mount)	DR	12	3850525	PH140-0015	•
5.7GLI	8cyl - 350ci - 5.7L Gas	93-99	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
5.7GS	8cyl - 350ci - 5.7L Gas	93-99	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
5.7GSI	8cyl - 350ci - 5.7L Gas	93-99	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
5.7GSIL	8cyl - 350ci - 5.7L Gas	00-02	Delco PG260L Starter (Flange Mount)	DR	12	3862985	PH140-0022-CCW	
5.7GX1	8cyl - 350ci - 5.7L Gas	00-07	Delco PG260G Starter (Offset Mount)	DR	12	3885317	PH140-0017-D	•
5.7GXIL	8cyl - 350ci - 5.7L Gas	00-07	Delco PG260L Starter (Flange Mount)	DR	12	3862985	PH140-0022-CCW	
5.70SI	8cyl - 350ci - 5.7L Gas	00-07	Delco PG260G Starter (Offset Mount)	DR	12	3885317	PH140-0017-D	•
5.70XI	8cyl - 350ci - 5.7L Gas	00-07	Delco PG260G Starter (Offset Mount)	DR	12	3885317	PH140-0017-D	•
5.8FI	8cyl - 351ci - 5.8L Gas	94-96	Ford PMGR Starter	FO	12	3854190	PH140-0004	
5.8FL	8cyl - 351ci - 5.8L Gas	94-96	Ford PMGR Starter	FO	12	3854190	PH140-0004	
5.8FSI	8cyl - 351ci - 5.8L Gas	94-96	Ford PMGR Starter	FO	12	385190	PH140-0004	
7.4GI	8cyl - 454ci - 7.4L Gas	94-99	Delco PG260G (Offset, Later, Repl Earlier)	DR	12	3885317	PH140-0017-D	•
7.4GI	8cyl - 454ci - 7.4L Gas	94-99	Delco PG260M (Offset, Earlier Models)	DR	12	3856004	PH140-0017	•
7.4GL	8cyl - 454ci - 7.4L Gas	94-99	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
7.4GL	8cyl - 454ci - 7.4L Gas	94-99	Delco 10MT Starter (Offset Mount)	DR	12	3850525	PH140-0015	•
7.4GSI	8cyl - 454ci - 7.4L Gas	94-99	Delco PG260G (Offset, Later, Repl Earlier)	DR	12	3885317	PH140-0017-D	•
7.4GSI	8cyl - 454ci - 7.4L Gas	94-99	Delco PG260M (Offset, Earlier Models)	DR	12	3856004	PH140-0017	•
8.1GI	8cyl - 496ci - 8.1L Gas	00-07	Delco PG260G (Offset, Later, Repl Earlier)	DR	12	3885317	PH140-0017-D	•
8.1GI	8cyl - 496ci - 8.1L Gas	00-07	Delco PG260M (Offset, Earlier Models)	DR	12	3856004	PH140-0017	•
8.1GIL	8cyl - 496ci - 8.1L Gas	00-07	Delco PG260L Starter (Flange Mount)	DR	12	3862985	PH140-0022-CCW	
8.1GIL	8cyl - 496ci - 8.1L Gas	00-07	Delco 10MT Starter (Flange Mount)	DR	12	855334	PH140-0022-CCW	
8.1GSI	8cyl - 496ci - 8.1L Gas	00-02	Delco PG260G Starter (Offset Mount)	DR	12	3885317	PH140-0017-D	•
8.1GSI	8cyl - 496ci - 8.1L Gas	00-02	Delco PG260L Starter (Flange Mount)	DR	12	3862985	PH140-0022-CCW	
8.1GSIL	8cyl - 496ci - 8.1L Gas	00-02	Delco 10MT Starter (Flange Mount)	DR	12	855334	PH140-0022-CCW	
8.1GX1	8cyl - 496ci - 8.1L Gas	00-07	Delco PG260G (Offset, Later, Repl Earlier)	DR	12	3885317	PH140-0017-D	•
8.1GX1	8cyl - 496ci - 8.1L Gas	00-07	Delco PG260M (Offset, Earlier Models)	DR	12	3856004	PH140-0017	•
8.1GXIL	8cyl - 496ci - 8.1L Gas	00-07	Delco PG260L Starter (Flange Mount)	DR	12	3862985	PH140-0022-CCW	
8.1GXIL	8cyl - 496ci - 8.1L Gas	00-07	Delco 10MT Starter (Flange Mount)	DR	12	3855334	PH140-0022-CCW	
8.10SI	8cyl - 496ci - 8.1L Gas	01-07	Delco PG260G (Offset, Later, Repl Earlier)	DR	12	3885317	PH140-0017-D	•
8.10SI	8cyl - 496ci - 8.1L Gas	01-07	Delco PG260M (Offset, Earlier Models)	DR	12	3856004	PH140-0017	•
8.2GL	8cyl - 502ci - 8.2L Gas	94-99	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
8.2GL	8cyl - 502ci - 8.2L Gas	94-99	Delco 10MT Starter (Offset Mount)	DR	12	3850525	PH140-0015	•
8.2GSI	8cyl - 502ci - 8.2L Gas	94-99	Delco PG260G (Offset, Later, Repl Earlier)	DR	12	3885317	PH140-0017-D	•
8.2GSI	8cyl - 502ci - 8.2L Gas	94-99	Delco PG260M (Offset, Earlier Models)	DR	12	3856004	PH140-0017	•
251A - DOHC	4cyl - 152ci - 2.49L Gas	89-92	Valeo PMGR Starter	VA	12	873549-0	PH140-0023	
431A, B	6cyl - 262ci - 4.3L Gas	89-92	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
432A, B	6cyl - 262ci - 4.3L Gas	92-98	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
434A, B	6cyl - 262ci - 4.3L Gas	92-97	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
500A, B	8cyl - 305ci - 5.0L Gas (GM)	89-93	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
501A, B	8cyl - 305ci - 5.0L Gas (GM)	89-93	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
570A	8cyl - 350ci - 5.7L Gas	89-93	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
572A, B	8cyl - 350ci - 5.7L Gas	91-98	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
740A, B	8cyl - 454ci - 7.4L Gas	89-93	Delco PG260M Starter (Offset Mount)	DR	12	3856004	PH140-0017	•
2001	1cyl Diesel	83-93	Valeo PMGR Starter	VA	12	873549-0	PH140-0023	
2002	2cyl Diesel	83-93	Valeo PMGR Starter	VA	12	873549-0	PH140-0023	
2002	2cyl Diesel	83-93	Hitachi DD Starter	HI	12	859553-0	PH140-0023	
2002T	2cyl Diesel	83-93	Valeo PMGR Starter	VA	12	873549-0	PH140-0023	
2002T	2cyl Diesel	83-93	Hitachi DD Starter	HI	12	859553-0	PH140-0023	
2003 T	3cyl Diesel	83-93	Valeo PMGR Starter	VA	12	873549-0	PH140-0023	
2003 T	3cyl Diesel	83-93	Hitachi DD Starter	HI	12	859553-0	PH140-0023	
2003R,S,S,Turbo, V	3cyl Diesel	83-93	Valeo PMGR Starter	VA	12	873549-0	PH140-0023	
AD31, A, B, D, L, P X	4cyl - 146ci - 2.4L Diesel	86-04	Valeo OSGR Starter	VA	12	859252	PH150-0007	•
AD41A, B, D, L, P	6cyl - 219ci - 3.6L Diesel	88-05	Valeo OSGR Starter	VA	12	859252	PH150-0007	•
AQ60	4cyl Gas	60-62	Bosch 12V DD Starter	BO	12	870997	PH140-0023	
AQ90	4cyl Gas	62-64	Bosch 12V DD Starter	BO	12	870997	PH140-0023	
AQ95 A	4cyl Gas	64-68	Bosch 12V DD Starter	BO	12	870997	PH140-0023	
AQ100	4cyl Gas	61-63	Bosch 12V DD Starter	BO	12	870997	PH140-0023	
AQ105A	4cyl Gas	68-69	Bosch 12V DD Starter	BO	12	870997	PH140-0023	



# APPLICATIONS - INBOARD & STERNDRIVE STARTERS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>VOLVO PENTA - continued</b>							
<b>INBOARD &amp; STERNDRIVE - continued</b>							
AQ110	4cyl Gas	63-66	Bosch 12V DD Starter	BO	12	870997	PH140-0023
AQ115A, B, C	4cyl Gas	69-77	Bosch Sysytem - 3/75 - On	BO	12	834339	PH140-0023
AQ115A, B, C	4cyl Gas	69-77	Bosch Sysytem - To 2/75	BO	12	870997	PH140-0023
AQ120 B	4cyl Gas	66-80	Bosch Sysytem - 3/75 - On	BO	12	834339	PH140-0023
AQ120 B	4cyl Gas	66-80	Bosch Sysytem - To 2/75	BO	12	870997	PH140-0023
AQ125, A, B	4cyl Gas	81-85	Valeo PMGR Starter	VA	12	873549-0	PH140-0023
AQ125, A, B	4cyl Gas	81-85	Bosch 12V DD Starter	BO	12	834339	PH140-0023
AQ125, A, B	4cyl Gas	81-85	Hitachi DD Starter	HI	12	859553-0	PH140-0023
AQ130A, B, C, D	4cyl Gas	68-77	Bosch Sysytem - 3/75 - On	BO	12	834339	PH140-0023
AQ130A, B, C, D	4cyl Gas	68-77	Bosch Sysytem - To 2/75	BO	12	870997	PH140-0023
AQ131A, B, C, D	4cyl Gas	85-89	Valeo PMGR Starter	VA	12	873549-0	PH140-0023
AQ131A, B, C, D	4cyl Gas	85-89	Bosch 12V DD Starter	BO	12	834339	PH140-0023
AQ131A, B, C, D	4cyl Gas	85-89	Hitachi DD Starter	HI	12	859553-0	PH140-0023
AQ140A	4cyl Gas	75-79	Bosch 12V DD Starter	BO	12	834339	PH140-0023
AQ145A	4cyl Gas	79-85	Valeo PMGR Starter	VA	12	873549-0	PH140-0023
AQ145A	4cyl Gas	79-85	Bosch 12V DD Starter	BO	12	834339	PH140-0023
AQ145A	4cyl Gas	79-85	Hitachi DD Starter	HI	12	859553-0	PH140-0023
AQ145B	4cyl Gas	79-85	Valeo PMGR Starter	VA	12	873549-0	PH140-0023
AQ145B	4cyl Gas	79-85	Bosch 12V DD Starter	BO	12	834339	PH140-0023
AQ145B	4cyl Gas	79-85	Hitachi DD Starter	HI	12	859553-0	PH140-0023
AQ151A, B, C	4cyl Gas	85-89	Valeo PMGR Starter	VA	12	873549-0	PH140-0023
AQ151A, B, C	4cyl Gas	85-89	Bosch 12V DD Starter	BO	12	834339	PH140-0023
AQ151A, B, C	4cyl Gas	85-89	Hitachi DD Starter	HI	12	859553-0	PH140-0023
AQ165A	6cyl Gas	68-69	Bosch 12V DD Starter	BO	12	870997	PH140-0023
AQ170A, B, C, D	6cyl Gas	69-80	Bosch Sysytem - 3/75 - On	BO	12	834339	PH140-0023
AQ170A, B, C, D	6cyl Gas	69-80	Bosch Sysytem - To 2/75	BO	12	870997	PH140-0023
AQ171A, C	4cyl Gas	86-94	Valeo PMGR Starter	VA	12	873549-0	PH140-0023
AQ171A, C	4cyl Gas	86-94	Bosch 12V DD Starter	BO	12	834339	PH140-0023
AQ171A, C	4cyl Gas	86-94	Hitachi DD Starter	HI	12	859553-0	PH140-0023
AQ175A	6cyl Gas	81-85	Delco PMGR Starter	DR	12	3856003-3	PH140-0020
AQ175A	6cyl Gas	81-85	Delco 10MT Starter	DR	12	855326-5	PH140-0013
AQ190A	8cyl Gas	76-77	Ford System CCW	FO	12		PH140-0004-CCW
AQ190A	8cyl Gas	76-77	Ford System CW	FO	12	835635-4	PH140-0004
AQ200A, B, C, D, F	8cyl Gas	69-86	Delco PMGR Starter	DR	12	3856003-3	PH140-0020
AQ200A, B, C, D, F	8cyl Gas	69-86	Delco 10MT Starter CW	DR	12	855326-5	PH140-0013
AQ200A, B, C, D, F	8cyl Gas	69-86	Prestolite System CCW	PS	12	835334	PH140-0013-CCW
AQ205A	6cyl Gas	88-89	Delco PMGR Starter	DR	12	3856003-3	PH140-0020
AQ205A	6cyl Gas	88-89	Delco 10MT Starter CW	DR	12	855326-5	PH140-0013
AQ211A	8cyl Gas	86-89	Delco PMGR Starter	DR	12	3856003-3	PH140-0020
AQ211A	8cyl Gas	86-89	Delco 10MT Starter CW	DR	12	855326-5	PH140-0013
AQ225A, B, C, D, F	8cyl Gas	73-86	Delco PMGR Starter	DR	12	3856003-3	PH140-0020
AQ225A, B, C, D, F	8cyl Gas	73-86	Delco 10MT Starter CW	DR	12	855326-5	PH140-0013
AQ225A, B, C, D, F	8cyl Gas	73-86	Prestolite System CCW	PS	12	835334	PH140-0013-CCW
AQ231A, B	8cyl Gas	86-89	Delco PMGR Starter	DR	12	3856003-3	PH140-0020
AQ231A, B	8cyl Gas	86-89	Delco 10MT Starter CW	DR	12	855326-5	PH140-0013
AQ240A	8cyl Gas	76-77	Ford System CCW	FO	12		PH140-0004-CCW
AQ240A	8cyl Gas	76-77	Ford System CW	FO	12	835635-4	PH140-0004
AQ251	8cyl Gas	All	Valeo PMGR Starter	VA	12	873549-0	PH140-0023
AQ255A, B	8cyl Gas	77-78	Delco 10MT Starter CW	DR	12	855326-5	PH140-0013
AQ260A, B	8cyl Gas	78-85	Delco PMGR Starter	DR	12	3856003-3	PH140-0020
AQ260A, B	8cyl Gas	78-85	Delco 10MT Starter CW	DR	12	855326-5	PH140-0013
AQ271A, B, C	8cyl Gas	86-89	Delco PMGR Starter	DR	12	3856003-3	PH140-0020
AQ271A, B, C	8cyl Gas	86-89	Delco 10MT Starter CW	DR	12	855326-5	PH140-0013
AQ280A	8cyl Gas	78-79	Delco 10MT Starter CW	DR	12	855326-5	PH140-0013
AQ290A	8cyl Gas	79-85	Delco PMGR Starter	DR	12	3856003-3	PH140-0020
AQ290A	8cyl Gas	79-85	Delco 10MT Starter CW	DR	12	855326-5	PH140-0013
AQ311A, B	8cyl Gas	86-89	Delco PMGR Starter	DR	12	3856003-3	PH140-0020
AQ311A, B	8cyl Gas	86-89	Delco 10MT Starter CW	DR	12	855326-5	PH140-0013
AQAD30A	4cyl Diesel	83-86	Valeo System	VA	12	3803386	PH150-0007
AQAD31A	4cyl Diesel	86-89	Valeo System	VA	12	3803386	PH150-0007
AQAD32	4cyl Diesel	All	Valeo System	VA	12	3803386	PH150-0007
AQAD40A, B	6cyl - 219ci - 3.6L Diesel	80-86	Valeo System	VA	12	3803386	PH150-0007
AQAD41	6cyl - 219ci - 3.6L Diesel	All	Valeo System	VA	12	3803386	PH150-0007
AQAD41A, B, D	6cyl - 219ci - 3.6L Diesel	86-94	Valeo System	VA	12	3803386	PH150-0007
AQD40A, B	6cyl Diesel	77-86	Valeo Replacement Unit	VA	12	3803386	PH150-0007
AQD41	6cyl Diesel	All	Valeo Replacement Unit	VA	12	3803386	PH150-0007
AQD41A	6cyl Diesel	86-89	Valeo Replacement Unit	VA	12	3803386	PH150-0007
BB100 A	4cyl Gas	63-69	Bosch 12V DD Starter	BO	12	870997	PH140-0023
BB115A, B, C	4cyl Gas	69-77	Bosch 12V DD Starter	BO	12	834339	PH140-0023
BB145A	4cyl Gas	79-85	Valeo PMGR Starter	VA	12	873549-0	PH140-0023
BB145A	4cyl Gas	79-85	Bosch 12V DD Starter	BO	12	834339	PH140-0023
BB145A	4cyl Gas	79-85	Hitachi DD Starter	HI	12	859553-0	PH140-0023
BB165A	6cyl Gas	65-69	Bosch 12V DD Starter	BO	12	870997	PH140-0023
BB170	6cyl Gas	69-78	Bosch Sysytem - 3/75 - On	BO	12	834339	PH140-0023
BB170	6cyl Gas	69-78	Bosch Sysytem - To 2/75	BO	12	870997	PH140-0023
BB170A, B, C	6cyl Gas	69-78	Bosch Sysytem - 3/75 - On	BO	12	834339	PH140-0023
BB170A, B, C	6cyl Gas	69-78	Bosch Sysytem - To 2/75	BO	12	870997	PH140-0023

PROTORQUE - Inboard & Sterndrive Starters



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# APPLICATIONS - INBOARD & STERNDRIVE STARTERS

PROTORQUE - Inboard & Sterndrive Starters

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	•
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## VOLVO PENTA - continued

INBOARD & STERNDRIVE - continued								
BB225A, B, C	8cyl Gas	73-77	Delco 10MT Starter	DR	12	855326-5	PH140-0013	•
BB231A	8cyl Gas	87	Delco PMGR Starter	DR	12	3856003-3	PH140-0020	•
BB231A	8cyl Gas	87	Delco 10MT Starter CW	DR	12	855326-5	PH140-0013	•
BB260A, B, C	8cyl Gas	78-87	Delco PMGR Starter	DR	12	3856003-3	PH140-0020	•
BB260A, B, C	8cyl Gas	78-87	Delco 10MT Starter CW	DR	12	855326-5	PH140-0013	•
BB261A	8cyl Gas	88-89	Delco PMGR Starter	DR	12	3856003-3	PH140-0020	•
BB261A	8cyl Gas	88-89	Delco 10MT Starter CW	DR	12	855326-5	PH140-0013	•
D41A, B, D, L	6cyl - 219ci - 3.6L Diesel	88-99	Valeo System	VA	12	3803386	PH150-0007	•
DPX375	8cyl - 496ci - 8.1L Gas	00-02	Delco PMGR Starter	DR	12	3860566	PH140-0017-D	•
DPX385	8cyl - 454ci - 7.4L Gas	96-00	Delco PMGR Starter	DR	12	3860566	PH140-0017-D	•
DPX415	8cyl - 502ci - 8.2L Gas	96-00	Delco PMGR Starter	DR	12	3860764	PH140-0017	•
DPX420	8cyl - 496ci - 8.1L Gas	00-02	Delco PMGR Starter	DR	12	3860566	PH140-0017-D	•
DPX500	8cyl - 502ci - 8.2L Gas	99-02	Delco PMGR Starter	DR	12	3860566	PH140-0017-D	•
DPX525	8cyl - 502ci - 8.2L Gas	99-02	Delco PMGR Starter	DR	12	3860566	PH140-0017-D	•
DPX600	8cyl - 502ci - 8.2L Gas	99-02	Delco PMGR Starter	DR	12	3860566	PH140-0017-D	•
IP5500G	8cyl - 496ci - 8.1L Gas	07	Delco PMGR Starter	DR	12	3860566	PH140-0017-D	•
KAD32P	4cyl - 146ci - 2.4L Diesel	96-05	Valeo System	VA	12	859252	PH150-0007	•
KAD42A, B, P	6cyl - 219ci - 3.6L Diesel	91-01	Valeo System	VA	12	859252	PH150-0007	•
KAD43P	6cyl - 219ci - 3.6L Diesel	97-05	Valeo System	VA	12	859252	PH150-0007	•
KAD44P	6cyl - 219ci - 3.6L Diesel	97-04	Valeo System	VA	12	859252	PH150-0007	•
KAD300	6cyl - 219ci - 3.6L Diesel	01-05	Valeo System	VA	12	859252	PH150-0007	•
KAMD42A, B, P	6cyl - 219ci - 3.6L Diesel	91-97	Valeo System	VA	12	859252	PH150-0007	•
KAMD43P	6cyl - 219ci - 3.6L Diesel	97-05	Valeo System	VA	12	859252	PH150-0007	•
KAMD44P	6cyl - 219ci - 3.6L Diesel	99-04	Valeo System	VA	12	859252	PH150-0007	•
KAMD300	6cyl - 219ci - 3.6L Diesel	01-04	Valeo System	VA	12	859252	PH150-0007	•
MB18B, D, F	4cyl Gas	63-75	Bosch Sysytem - 3/75 - On	BO	12	834339	PH140-0023	•
MB18B, D, F	4cyl Gas	63-75	Bosch Sysytem - To 2/75	BO	12	870997	PH140-0023	•
MB20A, B	4cyl Gas	69-75	Bosch Sysytem - 3/75 - On	BO	12	834339	PH140-0023	•
MB20A, B	4cyl Gas	69-75	Bosch Sysytem - To 2/75	BO	12	870997	PH140-0023	•
MD30A	4cyl Diesel	83-86	Valeo Replacement Unit	VA	12	3803386	PH150-0007	•
MD31A	4cyl Diesel	86-94	Valeo System	VA	12	859252	PH150-0007	•
MD40A	6cyl Diesel	76-85	Valeo Replacement Unit	VA	12	3803386	PH150-0007	•
TAMD30A, B, C	4cyl Diesel	83-86	Valeo Replacement Unit	VA	12	3803386	PH150-0007	•
TAMD31A, B, D, L, M, P, S, X	4cyl Diesel	85-04	Valeo Replacement Unit	VA	12	3803386	PH150-0007	•
TAMD40A, B, C	6cyl Diesel	79-86	Valeo Replacement Unit	VA	12	859252	PH150-0007	•
TAMD41A	6cyl - 219ci - 3.6L Diesel	86-05	Valeo Replacement Unit	VA	12	859252	PH150-0007	•
TAMD41B, D, H, L, M, P	6cyl - 219ci - 3.6L Diesel	86-05	Valeo Replacement Unit	VA	12	859252	PH150-0007	•
TAMD42A, B, WJ	6cyl - 219ci - 3.6L Diesel	92-03	Valeo System	VA	12	859252	PH150-0007	•
TMD30A, B	4cyl Diesel	83-86	Valeo Replacement Unit	VA	12	859252	PH150-0007	•
TMD31A, B, D, L	4cyl - 146ci - 2.4L Diesel	86-97	Valeo System	VA	12	859252	PH150-0007	•
TMD40A, B, C	6cyl Diesel	76-86	Valeo Replacement Unit	VA	12	859252	PH150-0007	•
TMD41A, B, D, L	6cyl - 219ci - 3.6L Diesel	86-97	Valeo System	VA	12	859252	PH150-0007	•

## WAUKESHA

INBOARD & STERNDRIVE								
302	8cyl - 302ci - 5.0L Ford	71-76	w/ CCW	FO	12		PH140-0004-CCW	•
302	8cyl - 302ci - 5.0L Ford	71-76	w/ CW	FO	12		PH140-0004	•
351	8cyl - 351ci - 5.8L Ford	71-76	w/ CCW	FO	12		PH140-0004-CCW	•
351	8cyl - 351ci - 5.8L Ford	71-76	w/ CW	FO	12		PH140-0004	•

## WESTERBEKE

GEN SET								
6.5 TWG	4cyl - 65ci - 1.06L Gas	84-87	Delco System	DR	12	33486	PH140-0022	•
8.0 TWG	4cyl - 65.3ci - 1.07L Gas	83-87	Delco System	DR	12	33486	PH140-0022	•
11.0 TWG	4cyl - 65.3ci - 1.07L Gas	84-87	Delco System	DR	12	33486	PH140-0022	•
16.0 BED	4cyl Diesel	90-95	Delco System	DR	12	38384	PH150-0009	•
16.0 BEDA	4cyl - 154ci - 2.5L Diesel	95-07	Delco System	DR	12	38384	PH150-0009	•
16.0 BEG	4cyl - 133ci - 2.2L Diesel	95-04	Delco System	DR	12	38384	PH150-0009	•
16.0 BEGA	4cyl - 133ci - 2.2L Diesel	04-07	Delco System	DR	12	38384	PH150-0009	•
16.0 SBEG	4cyl - 133ci - 2.2L Diesel	05-07	Delco System	DR	12	38384	PH150-0009	•
18.7 SBEG	4cyl - 133ci - 2.2L Diesel	05-07	Delco System	DR	12	38384	PH150-0009	•
20.0 BED (50 Hertz)	4cyl - 182ci - 3.0L Diesel	92-07	Delco System	DR	12	38384	PH150-0009	•
20.0 BED (60 Hertz)	4cyl Diesel	90-95	Delco System	DR	12	38384	PH150-0009	•
20.0 BEDA	4cyl - 154ci - 2.5L Diesel	95-07	Delco System	DR	12	38384	PH150-0009	•
20.0 BEG (50 Hertz)	4cyl - 133ci - 2.2L Gas	99-04	Delco System	DR	12	38384	PH150-0009	•
20.0 BEG (60 Hertz)	4cyl - 133ci - 2.2L Gas	95-04	Delco System	DR	12	38384	PH150-0009	•
20.0 BEGA (50 Hertz)	4cyl - 133ci - 2.2L Gas	04-07	Delco System	DR	12	38384	PH150-0009	•
20.0 BEGA (60 Hertz)	4cyl - 133ci - 2.2L Gas	04-07	Delco System	DR	12	38384	PH150-0009	•
20.0 SBEG	4cyl - 133ci - 2.2L Gas	05-07	Delco System	DR	12	38384	PH150-0009	•
22.5 SBEG	4cyl - 133ci - 2.2L Gas	05-07	Delco System	DR	12	38384	PH150-0009	•
25.0 BED (50 Hertz)	Diesel Engines	93-94	Delco System	DR	12	38384	PH150-0009	•
25.0 BED (60 Hertz)	4cyl - 182ci - 3.0L Diesel	92-07	Delco System	DR	12	38384	PH150-0009	•
25.0 BEDA	4cyl - 211ci - 3.5L Diesel	94-07	Delco System	DR	12	38384	PH150-0009	•
25.0 BEDB	Diesel Engines	94	Delco System	DR	12	38384	PH150-0009	•
25.0 BEG	4cyl - 133ci - 2.2L Gas	99-04	Delco System	DR	12	38384	PH150-0009	•
25.0 BEGA	4cyl - 133ci - 2.2L Gas	04-07	Delco System	DR	12	38384	PH150-0009	•





# APPLICATIONS - INBOARD & STERNDRIVE STARTERS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>WESTERBEKE - continued</b>								
<b>GEN SET - continued</b>								
25.0 WMF (50 Hertz)	Diesel Engines	82-93	Delco System	DR	12	38384	PH150-0009	
32.0 BED	Diesel Engines	93-94	Delco System	DR	12	38384	PH150-0009	
32.0 BEDA	4cyl - 211ci - 3.5L Diesel	94-07	Delco System	DR	12	38384	PH150-0009	
32.0 BEDB	Diesel Engines	94	Delco System	DR	12	38384	PH150-0009	
32.0 WMF	Diesel Engines	82-93	Delco System	DR	12	38384	PH150-0009	
32.0 WTA	Diesel Engines	82-93	Delco System	DR	12	38384	PH150-0009	
<b>INBOARD</b>								
108B Six	6cyl Diesel	91-94	Delco System	DR	12	38384	PH150-0009	
108C Six	6cyl - 247ci - 4.1L Diesel	94-07	Delco System	DR	12	38384	PH150-0009	
64A Four	4cyl - 182ci - 3.0L Diesel	03-07	Delco System	DR	12	38384	PH150-0009	
71C Four	4cyl - 154ci - 2.5L Diesel	94-07	Delco System	DR	12	38384	PH150-0009	
82B Four	4cyl - 182ci - 3.0L Diesel	91-07	Delco System	DR	12	38384	PH150-0009	
90A Four	4cyl - 211ci - 3.5L Diesel	99-07	Delco System	DR	12	38384	PH150-0009	

## YANMAR

<b>ENGINES - MARINE</b>								
1GM	1cyl - 19.41ci - 0.318L Diesel	80-84	Hitachi System	HI	12	S114-303	PH140-0008	
1GM10	1cyl - 19.41ci - 0.318L Diesel	82-On	Hitachi System	HI	12	S114-303	PH140-0008	
1GM10C	1cyl - 19.41ci - 0.318L Diesel	82-84	Hitachi System	HI	12	S114-303	PH140-0008	
2GM	2cyl Diesel	80-84	Hitachi System	HI	12	S114-303	PH140-0008	
2GMF	2cyl Diesel	80-84	Hitachi System	HI	12	S114-303	PH140-0008	
2GM20	2cyl - 38.81ci - 0.636L Diesel	82-On	Hitachi System	HI	12	S114-303	PH140-0008	
2YM15	2cyl Diesel	04-On	Hitachi System	HI	12	S114-817	PH140-0009	
3GM	3cyl Diesel	80-84	Hitachi System	HI	12	S114-303	PH140-0008	
3GMD	3cyl Diesel	82-On	Hitachi System	HI	12	S114-303	PH140-0008	
3GMF	3cyl Diesel	82-On	Hitachi System	HI	12	S114-303	PH140-0008	
3GM30	3cyl Diesel	82-On	Hitachi System	HI	12	S114-303	PH140-0008	
3HM	3cyl Diesel	80-84	Hitachi System	HI	12	S12-77	PH150-0004	•
3HMF	3cyl Diesel	80-84	Hitachi System	HI	12	S12-77	PH150-0004	•
3HM35	3cyl Diesel	82-92	Hitachi System	HI	12	S12-77	PH150-0004	•
3JH2	3cyl Diesel	91-99	Hitachi System	HI	12	S114-483	PH150-0004	•
3JH2BE	3cyl Diesel	91-99	Hitachi System	HI	12	S114-483	PH150-0004	•
3JH2E	3cyl Diesel	91-99	Hitachi System	HI	12	S114-483	PH150-0004	•
3JH3	3cyl Diesel	99-03	Hitachi System	HI	12	S114-815	PH140-0009	•
3JH3E	3cyl Diesel	All	Hitachi System	HI	12	S114-815	PH140-0009	•
3JH3E-YEU	3cyl Diesel	All	Hitachi System	HI	12	S114-815	PH140-0009	•
3JH3Z	3cyl Diesel	All	Hitachi System	HI	12	S114-483	PH150-0004	•
3JH4E	3cyl Diesel	03-On	Hitachi System	HI	12	S114-817	PH140-0009	•
3TNE84	3cyl Diesel	82-On	Hitachi System	HI	12	S114-483	PH150-0004	•
3TNE88	3cyl Diesel	82-On	Hitachi System	HI	12	S114-483	PH150-0004	•
3YM20	3cyl Diesel	04-On	Hitachi System	HI	12	S114-817	PH140-0009	•
3YM30	3cyl 68ci 1.116L	04-On	Hitachi System	HI	12	S114-817	PH140-0009	•
4JH	4cyl Diesel	82-On	Hitachi System	HI	12	S12-77A	PH150-0004	•
4JH	4cyl Diesel	82-On	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH-DTE	4cyl Diesel	82-On	Hitachi System	HI	12	S12-77A	PH150-0004	•
4JH-HT	4cyl Diesel	82-On	Hitachi System	HI	12	S12-77A	PH150-0004	•
4JH-HT-E	4cyl Diesel	82-On	Hitachi System	HI	12	S12-77A	PH150-0004	•
4JH-HT-Z	4cyl Diesel	82-On	Hitachi System	HI	12	S12-77A	PH150-0004	•
4JH-HT-Z	4cyl Diesel	82-On	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH-T	4cyl Diesel	82-On	Hitachi System	HI	12	S12-77A	PH150-0004	•
4JH-T	4cyl Diesel	82-On	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH-TE	4cyl Diesel	82-On	Hitachi System	HI	12	S12-77A	PH150-0004	•
4JH-TZ	4cyl Diesel	82-On	Hitachi System	HI	12	S12-77A	PH150-0004	•
4JH-TZ	4cyl Diesel	82-On	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH2-CE	4cyl Diesel	88-On	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH2-DTE	4cyl Diesel	88-On	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH2-E	4cyl Diesel	88-On	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH2-THE	4cyl Diesel	88-On	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH2-TE	4cyl Diesel	88-On	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH2-UTE	4cyl Diesel	88-On	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH2L-HTNE	4cyl Diesel	88-On	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH2L-TNE	4cyl Diesel	88-On	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH3	4cyl Diesel	94-03	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH3-CE	4cyl Diesel	94-03	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH3-DTE	4cyl Diesel	94-03	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH3-HTE	4cyl Diesel	94-03	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH3-TCE	4cyl Diesel	94-03	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH3-TE	4cyl Diesel	94-03	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH3-TE-YEU	4cyl Diesel	94-03	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JH3E	4cyl Diesel	94-03	Hitachi System	HI	12	S114-815	PH140-0009	•
4JH3ZA	4cyl Diesel	94-03	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JHE	4cyl Diesel	82-On	Hitachi System	HI	12	S12-77	PH150-0004	•
4JHZ	4cyl Diesel	82-On	Hitachi System	HI	12	S114-483A	PH150-0004	•
4JHZ	4cyl Diesel	82-On	Hitachi System	HI	12	S12-77	PH150-0004	•
4TNE84	4cyl - 1.995L Diesel	89-On	Hitachi System	HI	12	S114-483A	PH150-0004	•
4TNE88	4cyl - 2.190L Diesel	89-On	Hitachi System	HI	12	S114-483A	PH150-0004	•

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## APPLICATIONS - INBOARD & STERNDRIVE STARTERS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	•
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### YANMAR - continued

ENGINES - MARINE - continued								
6LP-DTZE	6cyl Diesel	97-On	Denso System	ND	12	228000-6290	PH150-0005	
6LP-DTZE1	6cyl Diesel	97-On	Denso System	ND	12	228000-6290	PH150-0005	
6LP-DTY	6cyl Diesel	97-On	Denso System	ND	12	228000-6290	PH150-0005	
6LP-ST	6cyl Diesel	97-On	Denso System	ND	12	228000-6290	PH150-0005	
6LP-STE	6cyl Diesel	97-On	Denso System	ND	12	228000-6290	PH150-0005	
6LP-STZE	6cyl Diesel	97-On	Denso System	ND	12	228000-6290	PH150-0005	
KBW-20	6cyl Diesel	All	Hitachi System	HI	12	S12-77	PH150-0004	•
KBW-21	6cyl Diesel	All	Hitachi System	HI	12	S12-77	PH150-0004	•
KM2A	6cyl Diesel	All	Hitachi System	HI	12	S114-303	PH140-0008	
KM2C	6cyl Diesel	All	Hitachi System	HI	12	S114-303	PH140-0008	
KM2P	6cyl Diesel	All	Hitachi System	HI	12	S114-303	PH140-0008	
KM3A	6cyl Diesel	All	Hitachi System	HI	12	S114-483A	PH150-0004	•
KM3A	6cyl Diesel	All	Hitachi System	HI	12	S114-303	PH140-0008	
KM3P	6cyl Diesel	All	Hitachi System	HI	12	S114-303	PH140-0008	
KM3V	6cyl Diesel	All	Hitachi System	HI	12	S114-303	PH140-0008	
UJH23	6cyl Diesel	All	Hitachi System	HI	12	S114-483A	PH150-0004	•

PROTORQUE - Inboard & Sterndrive Starters



**PLEASE NOTE**

This page offers optional PROTORQUE part numbers for those units listed within the Inboard & Sterndrive Starter application section marked with the symbol “●”.

Please review the OPTIONAL UNITS chart below and note that images along with added information may be found in the Buyer's Guide section of the catalog. Buyer's Guide pages for each part number can be found in the chart below.

PROTORQUE #	OPTIONAL PROTORQUE #	DESCRIPTION	BUYER'S GUIDE PG #
<b>INBOARD &amp; STERNDRIVE STARTERS</b>			
PH140-0013	PH140-0020	PMGR VERSION - FITS ALL EXCEPT 3.0L ENGINE	Page 57
PH140-0013	PH140-0020-D	LATE DELCO STYLE PMGR VERSION - FITS ALL	Page 57
PH140-0013	PH140-0020-HD	HEAVY DUTY VERSION - METAL GEAR TRACK	Page 57
PH140-0015	PH140-0016-HT	MANDO STYLE (2-BOLT SOLENOID) HIGH TORQUE	Page 56
PH140-0015	PH140-0017	PMGR VERSION - FITS ALL EXCEPT 3.0L ENGINE	Page 56
PH140-0015	PH140-0017-D	LATE DELCO STYLE PMGR VERSION - FITS ALL	Page 57
PH140-0015	PH140-0017-HD	HEAVY DUTY VERSION - METAL GEAR TRACK	Page 56
PH140-0017	PH140-0017-D	LATE DELCO STYLE PMGR VERSION - FITS ALL	Page 57
PH140-0017	PH140-0017-HD	HEAVY DUTY VERSION - METAL GEAR TRACK	Page 56
PH140-0017	PH140-0017-HT	MANDO STYLE (2-BOLT SOLENOID) HIGH TORQUE	Page 56
PH140-0017-D	PH140-0016-HT	MANDO STYLE (2-BOLT SOLENOID) HIGH TORQUE	Page 56
PH140-0020	PH140-0020-D	LATE DELCO STYLE PMGR VERSION - FITS ALL	Page 57
PH140-0020	PH140-0020-HD	HEAVY DUTY VERSION - METAL GEAR TRACK	Page 57
PH150-0004	PH150-0004-OE	OE VERSION	Page 59
PH150-0007	PH150-0007-OE	OE VERSION	Page 59



**PH140-0004 12 Volt, 10 Tooth**

*Ford CW PMGR Replacement*

**PH140-0004-CCW 12 Volt, 10 Tooth**

*Ford CCW PMGR Replacement*

Ford Permanent Magnet Gear Reduction Starter for OMC & Volvo Fits Late Model 5.0L & 5.8L Ford Engines



Wiring Harness Included with PMGR Unit

**Replaces:**

OMC  
987811, 3854190  
VOLVO  
3854190-0

**PH140-0005 12 Volt, 10 Tooth**

*Ford CW PMGR Replacement*

Ford Permanent Magnet Gear Reduction Starter for OMC with 3-Bolt Mount



Wiring Harness Included with PMGR Unit

**Replaces:**

OMC  
984628, 988012

**PH140-0006 12 Volt, 10 Tooth**

*Ford CW PMGR Replacement*

Ford Permanent Magnet Gear Reduction Starter for Mercruiser 460 with Threaded Top Hole



Wiring Harness Included with PMGR Unit

**Replaces:**

OMC  
984536, 988013

**PH140-0007 12 Volt, 8 Tooth**

*Hitachi CCW PMGR Replacement*

Hitachi Replacement Starter for Yanmar Marine Fits Yanmar L40S & L60S Engines



**Replaces:**

HITACHI  
S114-651  
S114-651A  
YANMAR  
114362-77011

**PH140-0008 12 Volt, 9 Tooth**

*Hitachi CW PMGR Replacement*

Hitachi Replacement Starter for Yanmar Marine Fits Yanmar 1GM, 2GM, 3GM & Other Engines



**Replaces:**

HITACHI  
S114-303  
S114-303A  
YANMAR  
128170-77010  
128170-77010D

**PH140-0009 12 Volt, 11 Tooth**

*Hitachi CW PMGR Replacement*

Hitachi Replacement Starter for Yanmar Marine Fits Yanmar 4JH, QM20, 2QM20 & 2T Engines



**Replaces:**

YANMAR  
129608-77010  
129698-77010  
HITACHI  
S114-815, S114-815A  
S114-817, S114-817A





**PH140-0011 12 Volt, 9 Tooth**

*Delco CW 10MT Replacement*

Delco Replacement  
CW Starter for  
Chrysler, Prestolite  
Fits Chrysler 318  
Marine V8 Velvet  
Drive Only!

Does Not Fit  
Paragon Design

**Replaces:**  
CHRYSLER  
2875928



**PH140-0012-CCW 12 Volt, 9 Tooth**

*Delco CCW 10MT Replacement*

Delco Replacement  
CCW Starter  
Fits Chris Craft,  
Harman Marine  
& Others

4-Bolt Mount  
Two 3/8" Holes  
One 5/16"  
Threaded Hole

**Replaces:**  
DELCO  
1107754



**PH140-0011-CCW 12 Volt, 9 Tooth**

*Delco CCW 10MT Replacement*

Delco Replacement  
CCW Starter for  
Chrysler, Prestolite  
Fits Chrysler 318  
Marine V8 Velvet  
Drive Only!

Does Not Fit  
Paragon Design

**Replaces:**  
CHRYSLER  
2095509  
2855927



**PH140-0013 12 Volt, 9 Tooth**

*Delco CW 10MT Replacement*

Delco Replacement  
CW Starter for  
Mercruiser, OMC,  
Cobra, Yamaha  
& Others – Fits  
4, 6, 8, Cylinder  
Engines with  
Metric 5MT  
Solenoid – Will  
Replace Old Style  
Chris Craft & Volvo Penta

See PH140-0020 and Other Options for PMGR  
Replacements On Page 53

**Replaces:**  
CHRIS CRAFT  
16-61-0042  
MERCURY  
50-76965A4, 50-77328A3, 50-99417A2  
OMC  
981078, 982121, 983444, 983790, 985966  
VOLVO  
835121-5, 834893-0, 855326-5



**PH140-0012 12 Volt, 9 Tooth**

*Delco CW 10MT Replacement*

Delco Replacement  
CW Starter for  
Chris Craft  
Fits Chris Craft,  
Harman Marine  
& Others

3-Bolt Mount  
Two 3/8" Holes  
One 5/16"  
Threaded Hole

**Replaces:**  
DELCO  
1107688



**PH140-0013-CCW 12 Volt, 9 Tooth**

*Delco CCW 10MT Replacement*

Delco Replacement  
CCW Starter for  
Chris Craft &  
Volvo Penta  
with Metric  
5MT Solenoid

**Replaces:**  
CHRIS CRAFT  
16-61-0043  
VOLVO  
835334-4



**PH140-0014 12 Volt, 9 Tooth**

*Delco CW 10MT Replacement*

Delco Replacement Starter for Berkley Jet Fits 455 Marine V8 High Performance Engines

**IMAGE UNAVAILABLE**

**Replaces:**  
DELCO  
1108387

**PH140-0015 12 Volt, 9 Tooth**

*Delco CW 10MT Replacement*

Delco Replacement CW Starter for Mercruiser, OMC, Volvo & Others Fits 6 & 8 Cylinder Engines with Metric 5MT Solenoid



See PH140-0017 and Other Options for PMGR Replacements On Page 53

**Replaces:**  
MERCURY  
50-12177A2, 50-77328A1  
50-77328A3, 50-99418A2  
OMC  
984456, 986505  
VOLVO  
3850525-1, 3853982

**PH140-0015-CCW 12 Volt, 9 Tooth**

*Delco CCW 10MT Replacement*

Delco Replacement CCW Starter for Crusader, Pleasurecraft & Others with Metric 5MT Solenoid



**Replaces:**  
DELCO  
1109483  
10455604

**PH140-0016-HT 12 Volt, 11 Tooth**

*Mando CW PMGR Replacement*

Mando Style High Torque 1.7KW Permanent Magnet Gear Reduction Starter for Mercruiser



Fits 3.0L Engines with 14" Flywheel

**Replaces:**  
MERCURY  
50-807904A1, 50-863007A1

**PH140-0017 12 Volt, 9 Tooth**

*Delco CW PMGR Replacement*

**PH140-0017-HD 12 Volt, 9 Tooth**

*Delco CW PMGR Heavy Duty Replacement*

Delco Style 1.4KW Permanent Magnet Gear Reduction Starter for Mercruiser, OMC, Pleasurecraft & Volvo



Plated Mounting Bolts & Stainless Extension Stud Included with Starter

PH140-0017-HD is Equipped with Heavy Duty Metal Gear Track

**Replaces:**  
MERCURY  
50-806964A4, 50-807907, 50-864340A2  
OMC  
3854751, 3856004  
VOLVO  
3587625-10, 3854751-9, 3856004-1, 3860764

**PH140-0017-HT 12 Volt, 11 Tooth**

*Mando CW PMGR Replacement*

Mando Style High Torque 1.7KW Permanent Magnet Gear Reduction Starter for Mercruiser, OMC & Volvo



See OE information Above Under Part# PH140-0017



**PH140-0017-D 12 Volt, 11 Tooth**

*Late Delco CW PMGR Replacement*

Latest Style Replacement  
1.4KW Permanent Magnet Gear Reduction Starter for Mercruiser, Volvo & Others

Use on 3.0L, 4.3L, 5.0L & All Other GM Engines with 14" Flywheel & Offset Bolt Pattern

**Replaces:**

DELCO  
9000884, 8000108  
MERCURY  
863007A1, 50-863007A1, 50-8M8021116  
OMC  
3860566  
VOLVO  
3660566-3, 3857747, 3885317



**PH140-0020 12 Volt, 9 Tooth**

*Delco CW PMGR Replacement*

**PH140-0020-HD 12 Volt, 9 Tooth**

*Delco CW PMGR Heavy Duty Replacement*

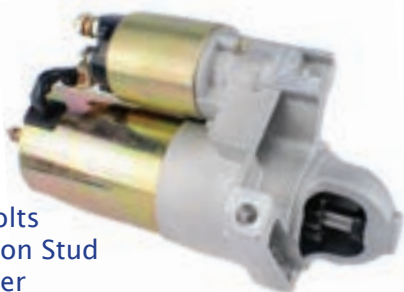
Delco Style 1.4KW Permanent Magnet Gear Reduction Starter for Mercruiser, OMC & Volvo

Plated Mounting Bolts & Stainless Extension Stud Included with Starter

PH140-0020-HD is Equipped with Heavy Duty Metal Gear Track

**Replaces:**

MERCURY  
50-806963A2, 50-806963A4, 50-806965A2  
50-806965A4  
OMC  
988217, 3850526, 3854750, 3855882  
VOLVO  
3854750-1, 3856003-3



**PH140-0020-D 12 Volt, 11 Tooth**

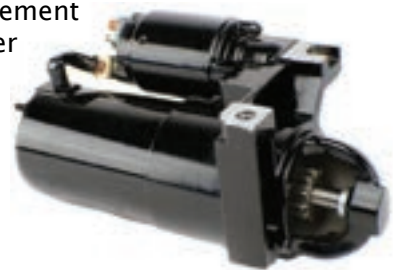
*Late Delco CW PMGR Replacement*

Latest Style Replacement 1.4KW PMGR Starter for Merc Engines

Use on 3.0L Applications with Straight Across Bolt Pattern

**Replaces:**

DELCO  
9000763, 9000895, 10465606  
MERCURY  
50-812429A2  
OMC  
3858463  
VOLVO  
3862308



**PH140-0021 12 Volt, 11 Tooth**

*Delco CW PMGR Replacement*

Delco Style 1.4KW PMGR Starter for 6.0L GM Engines Unit Bolt Pattern is Slightly Staggered

**Replaces:**

DELCO  
9000887  
CRUSADER  
RA122019



**PH140-0022 12 Volt, 9 Tooth**

*Delco CW PMGR Replacement*

Delco Style 1.4KW PMGR Starter without Nose Cone for Mercruiser, OMC, Volvo & Others Fits 4, 6, 8 Cylinder Engines

Top-Side Rear Entry Mount

**Replaces:**

CRUSADER  
42090, RA122008  
DELCO  
19010617, 1998405, 1998460  
MERCURY  
50-47454, 50-65785A1, 50-79604A3  
OMC  
941289, 980821, 981289, 982202  
PLEASURECRAFT  
RA122008  
VOLVO  
841377



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**PH140-0022-CCW 12 Volt, 9 Tooth**

*Delco CCW PMGR Replacement*

Delco Style 1.4KW  
Permanent Magnet  
Gear Reduction  
Starter without  
Nose Cone for  
Mercruiser, OMC,  
& Volvo  
Fits 4, 6, & 8  
Cylinder Engines



Top-Side Rear Entry Mount

**Replaces:**

CRUSADER  
RA122009  
DELCO  
8000186, 9000888  
MERCUISER  
50-808011A05, 50-808011A4  
PLEASURECRAFT  
RA122009  
VOLVO  
21129980, 3862985

**PH140-0023 12 Volt, 9 Tooth**

*Valeo CW PMGR Replacement*

Replacement  
PMGR Starter  
for Volvo Penta  
Fits All Gas Engines  
Replaces Bosch &  
Hitachi Types  
with Threaded  
Mounting Hole



**Replaces:**

VALEO  
D6RA40  
VOLVO  
859553-0, 872241-5

**PH140-0024 12 Volt, 9 Tooth**

*Mitsubishi CW OSGR Replacement*

Mitsubishi Gear  
Reduction Starter  
for Westerbeke  
with 9 Tooth  
Drive



**Replaces:**

WESTERBEKE  
34552

**PH150-0001 12 Volt, 13 Tooth**

*Lucas CW Aftermarket Replacement*

Lucas Replacement  
M45 Diesel  
Starter for  
Perkins Diesel  
Engines



**Replaces:**

LUCAS  
25620

**PH150-0002 12 Volt, 10 Tooth**

*Lucas CW Aftermarket Replacement*

Lucas Replacement  
M50 Diesel Starter  
Fits Ford,  
New Holland  
& Perkins M50  
Applications



**Replaces:**

LUCAS  
27500

**PH150-0003 12 Volt, 10 Tooth**

*Lucas CW Aftermarket Replacement*

Lucas Replacement  
M45 Diesel  
Starter for  
Perkins Diesel  
Engines



**Replaces:**

LUCAS  
26282





## BUYER'S GUIDE - INBOARD & STERNDRIVE STARTERS

**PH150-0004 12 Volt, 15 Tooth**  
*Nippondenso CW Aftermarket Replacement*

**PH150-0004-OE 12 Volt, 15 Tooth**  
*Nippondenso CW OE Replacement*

Nippondenso  
Replacement  
Starter for  
Yanmar Diesel  
Fits Yanmar  
3HM, 3JH &  
4JH Engines

**Replaces:**  
HITACHI  
S114-483A, S12-77A  
YANMAR  
124250-77012, 171006-77010



**PH150-0007 12 Volt, 11 Tooth**  
*Valeo CW Aftermarket Replacement*

**PH150-0007-OE 12 Volt, 11 Tooth**  
*Valeo CW Original Equipment Replacement*

Valeo Replacement  
Starter for Volvo Penta  
Diesel - Fits Volvo  
Penta / Paris Rhone

**Replaces:**  
VALEO  
D9R114  
D9R116  
D9R144  
VOLVO  
188486  
8599252



**PH150-0005 12 Volt, 12 Tooth**  
*Nippondenso CW Aftermarket Replacement*

Nippondenso  
Replacement  
Starter for  
Yanmar Diesel  
Fits 6LP-DTE &  
6LP-STE Engines

**Replaces:**  
NIPPONDENSO  
228000-6291  
YANMAR  
119773-77010



**PH150-0008 12 Volt, 10 Tooth**  
*Delco CW Aftermarket Replacement*

28MT Delco  
Replacement  
Diesel Starter for  
Cummins 6BT &  
Peninsular 6.2L  
Engines - Also  
Fits 6.9L & 7.3L  
Star Power Engines

**Replaces:**  
DELCO  
1113276  
MERCURY  
50-805991



**PH150-0006 12 Volt, 11 Tooth**  
*Nippondenso CW Aftermarket Replacement*

Nippondenso  
Replacement  
Starter for  
Mercury Diesel  
Fits 3.9L &  
5.8L Engines

**Replaces:**  
MERCUISER  
50-831001562  
50-831001961  
NIPPONDENSO  
128000-5300  
128000-5301



**PH150-0009 12 Volt, 10 Tooth**  
*Delco CW Aftermarket Replacement*

28MT Delco  
Replacement  
Diesel Starter  
for Perkins &  
Westerbeke  
Diesel Engines

**Replaces:**  
DELCO  
10465295  
1113274  
WESTERBEKE  
38384



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**PH150-0010 12 Volt, 10 Tooth**

*Delco CW Aftermarket Replacement*

28MT Delco  
Replacement  
Diesel Starter  
for Cummins 6BT  
5.9L Engines



**Replaces:**  
CUMMINS  
3604654RX  
DELCO  
10465211  
1113292

**PH150-0011 12 Volt, 10 Tooth**

*Delco CW Aftermarket Replacement*

28MT Delco  
Replacement  
Diesel Starter  
for Various  
6.2L & 6.5L  
Engines



**Replaces:**  
DELCO  
1113295



**PLEASE NOTE**

The following pages contain application information for all PROTORQUE outboard starters. Within this section we provide suggestions based on application and original equipment manufacturer's part number to get you the starter that we feel most closely represents the original equipment part on your engine.

While using our application guide to find the correct PROTORQUE starter for your boat's engine, you may notice that some of the parts that we suggest have a symbol "●" after the PROTORQUE part number as shown circled below. This symbol simply means that PROTORQUE has other items in stock that will also work for this application.

**EVINRUDE - continued**

**ENGINES - MARINE OUTBOARD - continued**

E33 (Older Models)	31.8ci - 33HP	66	11 Tooth Prestolite System	PS	12	380238	PH130-0038	●
E33 (Older Models)	31.8ci - 33HP	66	11 Tooth Prestolite System	PS	12	392133	PH130-0038	●
E33 (Older Models)	31.8ci - 33HP	66	11 Tooth United Tech System	UT	12	585061	PH130-0038	●

**WHAT TO DO IF YOUR PART HAS THIS SYMBOL**

If the PROTORQUE part for your boat's application has this symbol "●", please turn to the very last page in our outboard starter application section. Once there, you will find our unit interchange, which provides all of our optional units for your part.

This is the most effective way for PROTORQUE customers to find higher output, heavy duty, opposite rotation, original equipment, or economical versions of the starters meant for their specific application.

**WHAT TO DO IF YOU CANNOT FIND A PART FOR YOUR APPLICATION**

We at PROTORQUE do our best to list all of the applications that we have available in our database, but due to the sheer volume of marine engines and the amount of years that we must cover, there may be instances where you cannot find your exact application.

If this occurs, please contact us directly at 609-654-6020 or toll free at 844-786-7783 and one of our customer service representatives will be happy to assist you in finding the part that you need.



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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

**PROTORQUE - Outboard Starters & Components**

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>CHRYSLER</b>							
<b>ENGINES-MARINE OUTBOARD</b>							
Various Models	20, 25, 30, 35HP	72-84	Prestolite System	PS	12	MDO4108A	PH130-0069
Various Models	20, 25, 30, 35HP	72-84	United Tech System	UT	12	1149540-M030SM	PH130-0069
Various Models	45, 50HP	64-84	United Tech System	UT	12	4411940-M030SM	PH130-0068
Various Models	55HP	67-76	United Tech System	UT	12	4411940-M030SM	PH130-0068
Various Models	70HP	74-84	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	70HP	66-73	Prestolite System	PS	12	MGL4002A	PH130-0047
Various Models	70HP	66-73	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	75HP	74-84	Prestolite System	PS	12	MKW4005	PH130-0047
Various Models	75HP	74-84	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	75HP	66-73	Prestolite System	PS	12	MGL4002	PH130-0047
Various Models	75HP	66-73	Prestolite System	PS	12	MGL4002A	PH130-0047
Various Models	75HP	66-73	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	80HP	65	Prestolite System	PS	12	MGL4002A	PH130-0047
Various Models	85HP	74-84	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	85HP	66-73	Prestolite System	PS	12	MGL4002A	PH130-0047
Various Models	85HP	66-73	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	90HP	77-84	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	90HP	77-84	UT SM11229	PS	12	MKW4005	PH130-0047
Various Models	90HP	74-76	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	90HP	66-73	Prestolite System	PS	12	MGL4002A	PH130-0047
Various Models	90HP	66-73	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	100HP	79-84	Prestolite System	PS	12	MGL4002A	PH130-0047
Various Models	100HP	79-84	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	105HP	74-84	Prestolite System	PS	12	MGL4013	PH130-0047
Various Models	105HP	74-84	Prestolite System	PS	12	MGL4014	PH130-0047
Various Models	105HP	74-84	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	105HP	66-73	Prestolite System	PS	12	MGL4002	PH130-0047
Various Models	105HP	66-73	Prestolite System	PS	12	MGL4002A	PH130-0047
Various Models	105HP	66-73	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	115HP	77-84	Prestolite System	PS	12	MGL4014	PH130-0047
Various Models	115HP	77-84	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	120HP	73-84	Prestolite System	PS	12	MGL4013	PH130-0047
Various Models	120HP	73-84	Prestolite System	PS	12	MGL4014	PH130-0047
Various Models	120HP	73-84	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	125HP	81-82	Prestolite System	PS	12	MGL4013	PH130-0047
Various Models	125HP	81-82	Prestolite System	PS	12	MGL4014	PH130-0047
Various Models	125HP	81-82	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	130HP	72-73	Prestolite System	PS	12	MGL4002	PH130-0047
Various Models	130HP	72-73	Prestolite System	PS	12	MGL4002A	PH130-0047
Various Models	130HP	72-73	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	135HP	77	Prestolite System	PS	12	MGL4013	PH130-0047
Various Models	135HP	77	Prestolite System	PS	12	MGL4014	PH130-0047
Various Models	135HP	77	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	135HP	74-76	Prestolite System	PS	12	MGL4002	PH130-0047
Various Models	135HP	74-76	Prestolite System	PS	12	MGL4002A	PH130-0047
Various Models	135HP	74-76	Prestolite System	PS	12	MGL4013	PH130-0047
Various Models	135HP	74-76	Prestolite System	PS	12	MGL4014	PH130-0047
Various Models	135HP	74-76	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	135HP	69-73	Prestolite System	PS	12	MGL4002	PH130-0047
Various Models	135HP	69-73	Prestolite System	PS	12	MGL4002A	PH130-0047
Various Models	135HP	69-73	United Tech System	UT	12	4412040-M030SM	PH130-0047
Various Models	140HP	78-84	Prestolite System	PS	12	MGL4013	PH130-0047
Various Models	140HP	78-84	Prestolite System	PS	12	MGL4014	PH130-0047
Various Models	140HP	78-84	United Tech System	UT	12	4412040-M030SM	PH130-0047

## EVINRUDE

<b>ENGINES - MARINE OUTBOARD</b>							
E10E	13.2ci - 9.9HP	85-93	United Tech System	UT	12	386430	PH130-0014
E10E	15.6ci - 9.9HP / 15HP	99-01	United Tech System	UT	12	586275	PH130-0013
E10E	15.6ci - 9.9HP / 15HP	98	United Tech System	UT	12	586274	PH130-0036
E10E	15.6ci - 9.9HP / 15HP	94-97	United Tech System	UT	12	584613	PH130-0036
E10EL	13.2ci - 9.9HP	80-93	United Tech System	UT	12	386430	PH130-0014
E10EL	15.6ci - 9.9HP / 15HP	99-01	United Tech System	UT	12	586275	PH130-0013
E10EL	15.6ci - 9.9HP / 15HP	98	United Tech System	UT	12	586274	PH130-0036
E10EL	15.6ci - 9.9HP / 15HP	94-97	United Tech System	UT	12	584613	PH130-0036
E10F	15.6ci - 9.9HP / 15HP	98	Match Numbers or Size	UT	12	586275	PH130-0013
E10F	15.6ci - 9.9HP / 15HP	99	Match Numbers or Size	UT	12	586274	PH130-0036
E10F	15.6ci - 9.9HP / 15HP	94-97	Match Numbers or Size	UT	12	584608	PH130-0013
E10F	15.6ci - 9.9HP / 15HP	94-97	Match Numbers or Size	UT	12	386430	PH130-0014
E10FEX 4-STROKE	18.6ci - 9.9HP	95-99	United Tech System	UT	12	584608, 586275	PH130-0013
E10FREL 4-STROKE	18.6ci - 9.9HP	95-99	United Tech System	UT	12	584608, 586275	PH130-0013
E10REL	13.2ci - 9.9HP	90-93	United Tech System	UT	12	386430	PH130-0014
E10REL	15.6ci - 9.9HP / 15HP	98	United Tech System	UT	12	586274	PH130-0036
E10REL	15.6ci - 9.9HP / 15HP	94-97	United Tech System	UT	12	584613	PH130-0036
E10SEL	13.2ci - 9.9HP	80-93	United Tech System	UT	12	386430	PH130-0014
E10SEL	15.6ci - 9.9HP / 15HP	94-99	United Tech System	UT	12	586274	PH130-0036





# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>EVINRUDE - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
E10T	15.6ci - 9.9HP / 15HP	99-01	United Tech System	UT	12	586275	PH130-0013
E15B	15.6ci - 9.9HP / 15HP	98-01	United Tech System	UT	12	586274	PH130-0036
E15B	15.6ci - 9.9HP / 15HP	94-97	United Tech System	UT	12	584613	PH130-0036
E15D	35.2ci - 15HP	10-On	United Tech System	UT	12	587045	PH130-0035
E15D	18.6ci - 15HP	95	United Tech System	UT	12	584608	PH130-0013
E15E	13.2ci - 9.9HP	80-93	United Tech System	UT	12	386430	PH130-0014
E15E	15.6ci - 9.9HP / 15HP	99-01	United Tech System	UT	12	586275	PH130-0013
E15E	15.6ci - 9.9HP / 15HP	98	United Tech System	UT	12	586274	PH130-0036
E15E	15.6ci - 9.9HP / 15HP	94-97	United Tech System	UT	12	584613	PH130-0036
E15EL	13.2ci - 9.9HP	80-93	United Tech System	UT	12	386430	PH130-0014
E15EL	15.6ci - 9.9HP / 15HP	94-01	United Tech System	UT	12	586274	PH130-0036
E15EVL	15.6ci - 9.9HP / 15HP	00-01	United Tech System	UT	12	586274	PH130-0036
E15F	18.6ci - 15HP	98-01	United Tech System	UT	12	586275	PH130-0013
E15F	18.6ci - 15HP	95-97	United Tech System	UT	12	584608	PH130-0013
E15K	18.6ci - 15HP	95	United Tech System	UT	12	584608	PH130-0013
E15R	13.2ci - 9.9HP	90-93	United Tech System	UT	12	386430	PH130-0014
E15R	15.6ci - 9.9HP / 15HP	99-01	United Tech System	UT	12	586275	PH130-0013
E15R	15.6ci - 9.9HP / 15HP	98	United Tech System	UT	12	586274	PH130-0036
E15R	15.6ci - 9.9HP / 15HP	94-97	United Tech System	UT	12	584613	PH130-0036
E20	31.8ci - 20HP	98	11 Tooth United Tech System	UT	12	586278	PH130-0038
E20	31.8ci - 20HP	96-97	11 Tooth United Tech System	UT	12	585061	PH130-0038
E20 (Older Models)	31.8ci - 20HP	66-79	11 Tooth Prestolite System	PS	12	392133	PH130-0038
E20 (Older Models)	31.8ci - 20HP	66-79	11 Tooth United Tech System	UT	12	585061	PH130-0038
E20E	31.8ci - 20HP	85-95	11 Tooth Prestolite System	PS	12	392133	PH130-0038
E20E	31.8ci - 20HP	85-95	11 Tooth United Tech System	UT	12	585061	PH130-0038
E20E	31.8ci - 20HP	85-95	9 Tooth United Tech System	UT	12	585059	PH130-0017
E20EL	31.8ci - 20HP	85-95	11 Tooth Prestolite System	PS	12	392133	PH130-0038
E20EL	31.8ci - 20HP	85-95	11 Tooth United Tech System	UT	12	585061	PH130-0038
E20EL	31.8ci - 20HP	85-95	9 Tooth United Tech System	UT	12	585059	PH130-0017
E25 (Older Models)	31.8ci - 25HP	66-79	11 Tooth Prestolite System	PS	12	392133	PH130-0038
E25 (Older Models)	31.8ci - 25HP	66-79	11 Tooth United Tech System	UT	12	585061	PH130-0038
E25E	31.8ci - 25HP	98	11 Tooth United Tech System	UT	12	586278	PH130-0038
E25E	31.8ci - 25HP	81-97	11 Tooth Prestolite System	PS	12	392133	PH130-0038
E25E	31.8ci - 25HP	81-97	11 Tooth United Tech System	UT	12	585061	PH130-0038
E25E	31.8ci - 25HP	81-97	9 Tooth United Tech System	UT	12	585059	PH130-0017
E25EL	31.8ci - 25HP	81-97	11 Tooth Prestolite System	PS	12	392133	PH130-0038
E25EL	31.8ci - 25HP	81-97	11 Tooth United Tech System	UT	12	585061	PH130-0038
E25EL	31.8ci - 25HP	81-97	9 Tooth United Tech System	UT	12	585059	PH130-0017
E25KL (3cyl)	30.5ci - 25HP	98	10 Tooth United Tech System	UT	12	586277	PH130-0026
E25QL (3cyl)	30.5ci - 25HP	98	10 Tooth United Tech System	UT	12	586277	PH130-0026
E25T	35.2ci - 25HP	09-On	United Tech System	UT	12	587045	PH130-0035
E25TE	31.8ci - 25HP	80-98	11 Tooth Prestolite System	PS	12	392133	PH130-0038
E25TE	31.8ci - 25HP	80-98	11 Tooth United Tech System	UT	12	585061	PH130-0038
E25TE	31.8ci - 25HP	80-98	9 Tooth United Tech System	UT	12	585059	PH130-0017
E25TEL	31.8ci - 25HP	80-98	11 Tooth Prestolite System	PS	12	392133	PH130-0038
E25TEL	31.8ci - 25HP	80-98	11 Tooth United Tech System	UT	12	585061	PH130-0038
E25TEL	31.8ci - 25HP	80-98	9 Tooth United Tech System	UT	12	585059	PH130-0017
E25TKL (3cyl)	30.5ci - 25HP	98	United Tech System	UT	12	586277	PH130-0026
E28 (Older Models)	31.8ci - 28HP	67-76	11 Tooth Prestolite System	PS	12	392133	PH130-0038
E28 (Older Models)	31.8ci - 28HP	67-76	11 Tooth United Tech System	UT	12	585061	PH130-0038
E28 (Older Models)	31.8ci - 28HP	66	11 Tooth Prestolite System	PS	12	380238	PH130-0038
E28 (Older Models)	31.8ci - 28HP	66	11 Tooth Prestolite System	PS	12	392133	PH130-0038
E28 (Older Models)	31.8ci - 28HP	66	11 Tooth United Tech System	UT	12	585061	PH130-0038
E28 (Older Models)	31.8ci - 28HP	60-65	11 Tooth Prestolite System	PS	12	380238	PH130-0038
E28 (Older Models)	31.8ci - 28HP	60-65	11 Tooth United Tech System	UT	12	585061	PH130-0038
E28ESL	31.8ci - 28HP	87-96	11 Tooth Prestolite System	PS	12	392133	PH130-0038
E28ESL	31.8ci - 28HP	87-96	11 Tooth United Tech System	UT	12	585061	PH130-0038
E28ESL	31.8ci - 28HP	87-96	9 Tooth United Tech System	UT	12	585059	PH130-0017
E30 (Older Models)	31.8ci - 30HP	67-76	11 Tooth Prestolite System	PS	12	392133	PH130-0038
E30 (Older Models)	31.8ci - 30HP	66	11 Tooth Prestolite System	PS	12	380238	PH130-0038
E30 (Older Models)	31.8ci - 30HP	66	11 Tooth Prestolite System	PS	12	392133	PH130-0038
E30 (Older Models)	31.8ci - 30HP	60-65	11 Tooth Prestolite System	PS	12	380238	PH130-0038
E30D	35.2ci - 30HP	09-On	United Tech System	UT	12	587045	PH130-0035
E30E	31.8ci - 30HP	84-98	11 Tooth Prestolite System	PS	12	392133	PH130-0038
E30E	31.8ci - 30HP	84-98	11 Tooth United Tech System	UT	12	585061	PH130-0038
E30E	31.8ci - 30HP	84-98	9 Tooth United Tech System	UT	12	585059	PH130-0017
E30EL	31.8ci - 30HP	84-98	11 Tooth Prestolite System	PS	12	392133	PH130-0038
E30EL	31.8ci - 30HP	84-98	11 Tooth United Tech System	UT	12	585061	PH130-0038
E30EL	31.8ci - 30HP	84-98	9 Tooth United Tech System	UT	12	585059	PH130-0017
E30TE	31.8ci - 30HP	85-98	11 Tooth Prestolite System	PS	12	392133	PH130-0038
E30TE	31.8ci - 30HP	85-98	11 Tooth United Tech System	UT	12	585061	PH130-0038
E30TE	31.8ci - 30HP	85-98	9 Tooth United Tech System	UT	12	585059	PH130-0017
E30TEL	31.8ci - 30HP	85-98	11 Tooth Prestolite System	PS	12	392133	PH130-0038
E30TEL	31.8ci - 30HP	85-98	11 Tooth United Tech System	UT	12	585061	PH130-0038
E30TEL	31.8ci - 30HP	85-98	9 Tooth United Tech System	UT	12	585059	PH130-0017
E33 (Older Models)	31.8ci - 33HP	67-76	11 Tooth Prestolite System	PS	12	392133	PH130-0038
E33 (Older Models)	31.8ci - 33HP	67-76	11 Tooth United Tech System	UT	12	585061	PH130-0038

PROTORQUE - Outboard Starters & Components



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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>EVINRUDE - continued</b>								
<b>ENGINES - MARINE OUTBOARD - continued</b>								
E33 (Older Models)	31.8ci - 33HP	66	11 Tooth Prestolite System	PS	12	380238	PH130-0038	•
E33 (Older Models)	31.8ci - 33HP	66	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
E33 (Older Models)	31.8ci - 33HP	66	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
E33 (Older Models)	31.8ci - 33HP	60-65	11 Tooth Prestolite System	PS	12	380238	PH130-0038	•
E33 (Older Models)	31.8ci - 33HP	60-65	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
E35E	31.8ci - 35HP	80-84	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
E35E	31.8ci - 35HP	80-84	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
E35E	31.8ci - 35HP	80-84	9 Tooth United Tech System	UT	12	585059	PH130-0017	
E35EL	31.8ci - 35HP	80-84	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
E35EL	31.8ci - 35HP	80-84	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
E35EL	31.8ci - 35HP	80-84	9 Tooth United Tech System	UT	12	585059	PH130-0017	
E35KL (3cyl)	34.5ci - 35HP	98-01	United Tech System	UT	12	586277	PH130-0026	
E35QL (3cyl)	34.5ci - 35HP	96-97	United Tech System	UT	12	584818	PH130-0026	
E35QL (3cyl)	34.5ci - 35HP	96-98	United Tech System	UT	12	584818	PH130-0026	
E35TEL	31.8ci - 35HP	83-84	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
E35TEL	31.8ci - 35HP	83-84	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
E35TEL	31.8ci - 35HP	83-84	9 Tooth United Tech System	UT	12	585059	PH130-0017	
E35TKL (3cyl)	34.5ci - 35HP	98-01	United Tech System	UT	12	586277	PH130-0026	
E40 (Older Models)	44.9ci - 40HP	60-76	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
E40 (Older Models)	44.9ci - 40HP	60-76	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
E40 (Older Models)	44.9ci - 40HP	60-76	9 Tooth Prestolite System	PS	12	389275	PH130-0045	•
E40 (Older Models)	44.9ci - 40HP	60-76	UT Starter (11-tooth, 3.454"Hsg)	UT	12	585061	PH130-0038	•
E40D	52.7ci - 40HP E-Tech	04-09	UT System	UT	12	586768	PH130-0035	
E40E	44.9ci - 40HP	89-98	UT Starter (9-tooth, 4.033"Hsg)	UT	12	583482	PH130-0016	
E40E	44.9ci - 40HP	89-98	UT Starter (9-tooth, 4.033"Hsg)	UT	12	586279	PH130-0016	
E40E	44.9ci - 40HP	85-88	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
E40E	44.9ci - 40HP	85-88	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
E40E	44.9ci - 40HP	85-88	UT Starter (11-tooth, 3.454"Hsg)	UT	12	585061	PH130-0038	•
E40E	44.9ci - 40HP	85-88	UT Starter (9-tooth, 4.033"Hsg)	UT	12	585063	PH130-0045	•
E40EL	44.9ci - 40HP	89-98	UT Starter (9-tooth, 4.033"Hsg)	UT	12	583482	PH130-0016	
E40EL	44.9ci - 40HP	85-88	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
E40EL	44.9ci - 40HP	85-88	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
E40EL	44.9ci - 40HP	85-88	UT Starter (11-tooth, 3.454"Hsg)	UT	12	585061	PH130-0038	•
E40EL	44.9ci - 40HP	85-88	UT Starter (9-tooth, 4.033"Hsg)	UT	12	585063	PH130-0045	•
E40TE	44.9ci - 40HP	89-98	UT Starter (9-tooth, 4.033"Hsg)	UT	12	583482	PH130-0016	
E40TE	44.9ci - 40HP	89-98	UT Starter (9-tooth, 4.033"Hsg)	UT	12	586279	PH130-0016	
E40TE	44.9ci - 40HP	85-88	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
E40TE	44.9ci - 40HP	85-88	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
E40TE	44.9ci - 40HP	85-88	UT Starter (11-tooth, 3.454"Hsg)	UT	12	585061	PH130-0038	•
E40TE	44.9ci - 40HP	85-88	UT Starter (9-tooth, 4.033"Hsg)	UT	12	585063	PH130-0045	•
E40TEL	44.9ci - 40HP	89-98	UT Starter (9-tooth, 4.033"Hsg)	UT	12	583482	PH130-0016	
E40TEL	44.9ci - 40HP	89-98	UT Starter (9-tooth, 4.033"Hsg)	UT	12	586279	PH130-0016	
E40TEL	44.9ci - 40HP	85-88	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
E40TEL	44.9ci - 40HP	85-88	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
E40TEL	44.9ci - 40HP	85-88	UT Starter (11-tooth, 3.454"Hsg)	UT	12	585061	PH130-0038	•
E40TEL	44.9ci - 40HP	85-88	UT Starter (9-tooth, 4.033"Hsg)	UT	12	585063	PH130-0045	•
E40TL	44.9ci - 40HP	89-98	UT Starter (9-tooth, 4.033"Hsg)	UT	12	583482	PH130-0016	
E40TTL	44.9ci - 40HP	89-98	UT Starter (9-tooth, 4.033"Hsg)	UT	12	583482	PH130-0016	
E40TTL	44.9ci - 40HP	89-98	UT Starter (9-tooth, 4.033"Hsg)	UT	12	586279	PH130-0016	
E48ESL	44.9ci - 48HP	87-96	UT Starter (9-tooth, 4.033"Hsg)	UT	12	583482	PH130-0016	
E48ESL	44.9ci - 48HP	87-96	UT Starter (9-tooth, 4.033"Hsg)	UT	12	586279	PH130-0016	
E50 (Older Models)	44.9ci - 50HP	71-79	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
E50 (Older Models)	44.9ci - 50HP	71-79	9 Tooth Prestolite System	PS	12	389275	PH130-0045	•
E50 (Older Models)	44.9ci - 50HP	71-79	UT Starter (9-tooth, 4.033"Hsg)	UT	12	585063	PH130-0045	•
E50BE	44.9ci - 50HP	95-96	UT Starter (9-tooth, 4.033"Hsg)	UT	12	585056	PH130-0016	
E50BE	44.9ci - 50HP	89-94	UT Starter (9-tooth, 4.033"Hsg)	UT	12	583482	PH130-0016	
E50BE	44.9ci - 50HP	89-94	UT Starter (9-tooth, 4.033"Hsg)	UT	12	586279	PH130-0016	
E50BE	44.9ci - 50HP	81-88	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
E50BE	44.9ci - 50HP	81-88	UT Starter (9-tooth, 4.033"Hsg)	UT	12	585063	PH130-0045	•
E50BEL	44.9ci - 50HP	96	UT Starter (9-tooth, 4.033"Hsg)	UT	12	585056	PH130-0016	
E50BEL	44.9ci - 50HP	89-95	UT Starter (9-tooth, 4.033"Hsg)	UT	12	583482	PH130-0016	
E50BEL	44.9ci - 50HP	89-95	UT Starter (9-tooth, 4.033"Hsg)	UT	12	586279	PH130-0016	
E50BEL	44.9ci - 50HP	81-88	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
E50BEL	44.9ci - 50HP	81-88	UT Starter (9-tooth, 4.033"Hsg)	UT	12	585063	PH130-0045	•
E50D	52.7ci - 50HP E-Tech	11-On	United Tech System	UT	12	587045	PH130-0035	
E50D	52.7ci - 50HP E-Tech	04-10	UT System	UT	12	586768	PH130-0035	
E50DTL (3cyl)	56.1ci - 50HP	98	UT Starter (9-tooth, 4.033"Hsg)	UT	12	586281	PH130-0043	•
E50DTL (3cyl)	56.1ci - 50HP	95-97	UT Starter (9-tooth, 4.033"Hsg)	UT	12	585058	PH130-0043	•
E50EL (3cyl)	56.1ci - 50HP	98	UT Starter (9-tooth, 4.033"Hsg)	UT	12	586281	PH130-0043	•
E50EL (3cyl)	56.1ci - 50HP	95-97	UT Starter (9-tooth, 4.033"Hsg)	UT	12	585058	PH130-0043	•
E50J Jet	44.9ci - 35HP	91-97	UT System	UT	12	586280	PH130-0045	•
E50TEL	44.9ci - 50HP	89-97	UT Starter (9-tooth, 4.033"Hsg)	UT	12	583482	PH130-0016	
E50TEL	44.9ci - 50HP	89-97	UT Starter (9-tooth, 4.033"Hsg)	UT	12	586279	PH130-0016	
E50TEL	44.9ci - 50HP	83-88	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
E50TEL	44.9ci - 50HP	83-88	UT Starter (9-tooth, 4.033"Hsg)	UT	12	585063	PH130-0045	•

PROTORQUE - Outboard Starters & Components



# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>EVINRUDE - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
E50TL	44.9ci - 50HP	89-97	UT Starter (9-tooth, 4.033"Hsg)	UT	12	583482	PH130-0016
E50TL	44.9ci - 50HP	89-97	UT Starter (9-tooth, 4.033"Hsg)	UT	12	586279	PH130-0016
E50TL	44.9ci - 50HP	84-88	9 Tooth Prestolite System	PS	12	387684	PH130-0045
E50TL	44.9ci - 50HP	84-88	UT Starter (9-tooth, 4.033"Hsg)	UT	12	585063	PH130-0045
E50TTL (3cyl)	56.1ci - 50HP	98	UT Starter (9-tooth, 4.033"Hsg)	UT	12	586281	PH130-0043
E50TTL (3cyl)	56.1ci - 50HP	95-97	UT Starter (9-tooth, 4.033"Hsg)	UT	12	585058	PH130-0043
E55M	52.7ci - 55HP E-Tech	08-09	UT System	UT	12	586768	PH130-0035
E60 (Older Models)	44.9ci - 60HP	71-76	9 Tooth Prestolite System	PS	12	387684	PH130-0045
E60 (Older Models)	44.9ci - 60HP	69-70	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E60D	60HP E-Tech	05-09	UT System	UT	12	586768	PH130-0035
E60E (2cyl)	44.9ci - 60HP	80-82	9 Tooth Prestolite System	PS	12	387684	PH130-0045
E60E (2cyl)	44.9ci - 60HP	80-82	9 Tooth Prestolite System	PS	12	389275	PH130-0045
E60E (2cyl)	44.9ci - 60HP	80-82	UT Starter (9-tooth, 4.033"Hsg)	UT	12	585063	PH130-0045
E60EL	49.7ci - 60HP	86-88	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E60EL	49.7ci - 60HP	86-88	9 Tooth United Tech System	UT	12	386657	PH130-0043
E60EL	56.1ci - 60HP	98	9 Tooth United Tech System	UT	12	586281	PH130-0043
E60EL	56.1ci - 60HP	95-97	9 Tooth United Tech System	UT	12	585058	PH130-0043
E60EL	56.1ci - 60HP	89-94	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E60EL (2cyl)	44.9ci - 60HP	80-85	9 Tooth Prestolite System	PS	12	387684	PH130-0045
E60EL (2cyl)	44.9ci - 60HP	80-85	9 Tooth Prestolite System	PS	12	389275	PH130-0045
E60EL (2cyl)	44.9ci - 60HP	80-85	UT Starter (9-tooth, 4.033"Hsg)	UT	12	585063	PH130-0045
E60TL	49.7ci - 60HP	86-88	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E60TL	49.7ci - 60HP	86-88	9 Tooth United Tech System	UT	12	386657	PH130-0043
E60TL	56.1ci - 60HP	98	9 Tooth United Tech System	UT	12	586281	PH130-0043
E60TL	56.1ci - 60HP	95-97	9 Tooth United Tech System	UT	12	585058	PH130-0043
E60TL	56.1ci - 60HP	89-94	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E60TL (2cyl)	44.9ci - 60HP	84-85	9 Tooth Prestolite System	PS	12	387684	PH130-0045
E60TL (2cyl)	44.9ci - 60HP	84-85	9 Tooth Prestolite System	PS	12	389275	PH130-0045
E60TL (2cyl)	44.9ci - 60HP	84-85	UT Starter (9-tooth, 4.033"Hsg)	UT	12	585063	PH130-0045
E60TTL	56.1ci - 60HP	98	9 Tooth United Tech System	UT	12	586281	PH130-0043
E60TTL	56.1ci - 60HP	95-97	9 Tooth United Tech System	UT	12	585058	PH130-0043
E60TTL	56.1ci - 60HP	89-94	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E65 (Older Models)	44.9ci - 65HP	69-79	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E65 (Older Models)	44.9ci - 65HP	69-79	9 Tooth United Tech System	UT	12	386657	PH130-0043
E65 (Older Models)	44.9ci - 65HP	64-68	Delco System	DR	12	1113519	PH130-0038
E65RWL	49.7ci - 65HP	85-86	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E65RWL	49.7ci - 65HP	85-86	9 Tooth United Tech System	UT	12	386657	PH130-0043
E65TEL	49.7ci - 65HP	85-86	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E65TEL	49.7ci - 65HP	85-86	9 Tooth United Tech System	UT	12	386657	PH130-0043
E65W	52.7ci - 65HP E-Tech	11-On	UT System	UT	12	587045	PH130-0035
E65W	52.7ci - 65HP E-Tech	08-10	UT System	UT	12	586768	PH130-0035
E65WML	49.7ci - 65HP	86-88	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E65WML	49.7ci - 65HP	86-88	9 Tooth United Tech System	UT	12	386657	PH130-0043
E65WML	56.1ci - 65HP	89	9 Tooth United Tech System	UT	12	386657	PH130-0043
E65WML	56.1ci - 65HP	89	9 Tooth United Tech System	UT	12	585058	PH130-0043
E65WML	56.1ci - 65HP	89	9 Tooth United Tech System	UT	12	585197	PH130-0043
E70 (Older Models)	49.7ci - 70HP	71-79	9 Tooth Prestolite System	PS	12	387684	PH130-0045
E70 (Older Models)	49.7ci - 70HP	69-70	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E70EL	49.7ci - 70HP	80-85	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E70EL	49.7ci - 70HP	80-85	9 Tooth United Tech System	UT	12	386657	PH130-0043
E70EL	56.1ci - 70HP	86-97	9 Tooth United Tech System	UT	12	386657	PH130-0043
E70EL	56.1ci - 70HP	86-97	9 Tooth United Tech System	UT	12	585058	PH130-0043
E70EL	56.1ci - 70HP	86-97	9 Tooth United Tech System	UT	12	585197	PH130-0043
E70TL	49.7ci - 70HP	84-85	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E70TL	49.7ci - 70HP	84-85	9 Tooth United Tech System	UT	12	386657	PH130-0043
E70TL	56.1ci - 70HP	86-97	9 Tooth United Tech System	UT	12	386657	PH130-0043
E70TL	56.1ci - 70HP	86-97	9 Tooth United Tech System	UT	12	585058	PH130-0043
E70TL	56.1ci - 70HP	86-97	9 Tooth United Tech System	UT	12	585197	PH130-0043
E70TTL	56.1ci - 70HP	91-95	9 Tooth United Tech System	UT	12	386657	PH130-0043
E70TTL	56.1ci - 70HP	91-95	9 Tooth United Tech System	UT	12	585058	PH130-0043
E70TTL	56.1ci - 70HP	91-95	9 Tooth United Tech System	UT	12	585197	PH130-0043
E75 (Older Models)	49.7ci - 70HP	71-79	9 Tooth Prestolite System	PS	12	387684	PH130-0045
E75 (Older Models)	49.7ci - 70HP	69-70	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E75DP	79.1ci - 75HP E-Tech	04-10	UT System	UT	12	586768	PH130-0035
E75DS	79.1ci - 75HP E-Tech	08-10	UT System	UT	12	586768	PH130-0035
E75E	49.7ci - 75HP	84-88	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E75E	49.7ci - 75HP	84-88	9 Tooth United Tech System	UT	12	386657	PH130-0043
E75ER	49.7ci - 75HP	80-83	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E75ER	49.7ci - 75HP	80-83	9 Tooth United Tech System	UT	12	386657	PH130-0043
E75ERL	49.7ci - 75HP	80	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E75ERL	49.7ci - 75HP	80	9 Tooth United Tech System	UT	12	386657	PH130-0043
E75FP	75HP E-Tech	01-03	UT System	UT	12	586287	PH130-0032
E75FV	75HP E-Tech	01	UT System	UT	12	586287	PH130-0032
E75TL	49.7ci - 75HP	84	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E75TL	49.7ci - 75HP	84	9 Tooth United Tech System	UT	12	386657	PH130-0043
E75TRL	49.7ci - 75HP	81-83	10 Tooth Prestolite System	PS	12	391735	PH130-0043
E75TRL	49.7ci - 75HP	81-83	9 Tooth United Tech System	UT	12	386657	PH130-0043

PROTORQUE - Outboard Starters & Components



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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

**PROTORQUE - Outboard Starters & Components**

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	•
<b>EVINRUDE - continued</b>								
<b>ENGINES - MARINE OUTBOARD - continued</b>								
E85 (Older Models)	1.6L - 99.6ci - 85HP	64-79	Prestolite System (Large Gear)	PS	12	MGL4008	PH130-0086	
E85 (Older Models)	1.6L - 99.6ci - 85HP	64-79	Prestolite System (Small Gear)	PS	12	MKW4001	PH130-0044	•
E85 (Older Models)	1.6L - 99.6ci - 85HP	64-79	United Tech System (Small Gear)	UT	12	389954	PH130-0044	•
E85SML	1.6L - 99.6ci - 85HP	80	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
E85SML	1.6L - 99.6ci - 85HP	80	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E85TL	1.6L - 99.6ci - 85HP	80	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
E85TL	1.6L - 99.6ci - 85HP	80	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E85TTL	1.6L - 99.6ci - 85HP	91-95	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
E85TX	1.6L - 99.6ci - 85HP	80	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
E85TX	1.6L - 99.6ci - 85HP	80	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E88MSL	1.6L - 99.6ci - 88HP	87-96	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
E88TSL	1.6L - 99.6ci - 88HP	94-96	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
E90 (Older Models)	1.6L - 99.6ci - 90HP	70-77	Prestolite System (Large Gear)	PS	12	MGL4008	PH130-0086	
E90 (Older Models)	1.6L - 99.6ci - 90HP	70-77	Prestolite System (Small Gear)	PS	12	MKW4001	PH130-0044	•
E90 (Older Models)	1.6L - 99.6ci - 90HP	70-77	United Tech System (Small Gear)	UT	12	389954	PH130-0044	•
E90D	79.1ci - 90HP E-Tec	04-10	United Tech System	UT	12	586768	PH130-0035	
E90EL	1.6L - 99.6ci - 90HP	95-98	United Tech System	UT	12	584980	PH130-0027	
E90F	90HP Fight	98-03	United Tech System	UT	12	586287	PH130-0032	
E90ML	1.6L - 99.6ci - 90HP	81-86	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
E90ML	1.6L - 99.6ci - 90HP	81-86	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E90PL FICHT V4	1.7L - 105.4ci - 90HP	99-01	United Tech System	UT	12	584980	PH130-0027	
E90SL	1.6L - 99.6ci - 90HP	95-98	United Tech System	UT	12	584980	PH130-0027	
E90TL	1.6L - 99.6ci - 90HP	81-95	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
E90TL	1.6L - 99.6ci - 90HP	81-95	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E90TL	1.6L - 99.6ci - 90HP	81-95	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
E90TSL	1.6L - 99.6ci - 90HP	96-98	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
E90TX	1.6L - 99.6ci - 90HP	81-86	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
E90TX	1.6L - 99.6ci - 90HP	81-86	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E90W	79.1ci - 90HP E-Tec	08-On	United Tech System	UT	12	586768	PH130-0035	
E100 (Older Models)	1.6L - 99.6ci - 100HP	69-79	Prestolite System (Large Gear)	PS	12	MGL4008	PH130-0086	
E100 (Older Models)	1.6L - 99.6ci - 100HP	69-79	Prestolite System (Small Gear)	PS	12	MKW4001	PH130-0044	•
E100 (Older Models)	1.6L - 99.6ci - 100HP	69-79	United Tech System (Small Gear)	UT	12	389954	PH130-0044	•
E100F	100HP Fight	04-05	United Tech System	UT	12	586287	PH130-0032	
E100ML	1.6L - 99.6ci - 100HP	80	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
E100ML	1.6L - 99.6ci - 100HP	80	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E100STL	1.6L - 99.6ci - 100HP	89-90	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
E100STL	1.6L - 99.6ci - 100HP	89-90	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E100STL XP	1.6L - 99.6ci - 100HP	91-93	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E100STL XP	1.6L - 99.6ci - 100HP	91-93	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
E100TL	1.6L - 99.6ci - 100HP	80	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
E100TL	1.6L - 99.6ci - 100HP	80	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E100TX	1.6L - 99.6ci - 100HP	80	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
E100TX	1.6L - 99.6ci - 100HP	80	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E100WML	1.6L - 99.6ci - 100HP	85-86	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
E100WML	1.6L - 99.6ci - 100HP	85-86	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E100WQL COMMERCIAL	1.6L - 99.6ci - 100HP	98-99	United Tech System	UT	12	586284	PH130-0027	
E100WQX COMMERCIAL	1.6L - 99.6ci - 100HP	98-99	United Tech System	UT	12	586284	PH130-0027	
E100WTL COMMERCIAL	1.6L - 99.6ci - 100HP	92-97	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E100WTL COMMERCIAL	1.6L - 99.6ci - 100HP	92-97	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
E100WTL SUPER	1.6L - 99.6ci - 100HP	85-91	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
E100WTL SUPER	1.6L - 99.6ci - 100HP	85-91	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E100WTL SUPER	1.6L - 99.6ci - 100HP	85-91	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
E100WTX COMMERCIAL	1.6L - 99.6ci - 100HP	92-97	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E100WTX COMMERCIAL	1.6L - 99.6ci - 100HP	92-97	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
E100WTX SUPER	1.6L - 99.6ci - 100HP	86-91	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
E100WTX SUPER	1.6L - 99.6ci - 100HP	86-91	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E100WTX SUPER	1.6L - 99.6ci - 100HP	86-91	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
E105J	2.5L - 149.4ci - 105HP	91	United Tech System	UT	12	432925	PH130-0018	
E105W	105HP	99-01	United Tech System	UT	12	586284	PH130-0027	
E110ML	1.6L - 99.6ci - 110HP	86-89	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
E110ML	1.6L - 99.6ci - 110HP	86-89	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E110TL	1.6L - 99.6ci - 110HP	86-89	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
E110TL	1.6L - 99.6ci - 110HP	86-89	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E110TX	1.6L - 99.6ci - 110HP	87-89	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
E110TX	1.6L - 99.6ci - 110HP	87-89	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E112TSL	1.6L - 99.6ci - 112HP	94-96	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
E112TSX	1.6L - 99.6ci - 112HP	94-96	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
E115 (Older Models)	1.6L - 99.6ci - 115HP	73-79	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
E115 (Older Models)	1.6L - 99.6ci - 115HP	73-79	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
E115D	1.7L - 105.4ci - 115HP	07-On	United Tech System	UT	12	586957	PH130-0008	
E115EL	1.7L - 105.4ci - 115HP	95-98	United Tech System	UT	12	584980	PH130-0027	
E115F	1.7L - 105.4ci - 115HP	98-06	United Tech System	UT	12	586287	PH130-0032	
E115GL	1.7L - 105.4ci - 115HP	95-98	United Tech System	UT	12	584980	PH130-0027	
E115H	1.7L - 105.4ci - 115HP	09-On	United Tech System	UT	12	586957	PH130-0008	
E115J	1.6L - 99.6ci - 80HP	91-93	80 HP Despite Odd	UT	12	585057	PH130-0044	•
E115JKL	1.6L - 99.6ci - 80HP	94-95	80 HP Despite Odd	UT	12	585057	PH130-0044	•
E115JL	1.6L - 99.6ci - 80HP	94-97	80 HP Despite Odd	UT	12	585057	PH130-0044	•





# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>EVINRUDE - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
E115JTL	1.6L - 99.6ci - 80HP	98	80 HP FICHT	UT	12	586284	PH130-0027
E115MML	1.6L - 99.6ci - 115HP	90-94	10 Tooth United Tech System	UT	12	389954	PH130-0044
E115ML	1.6L - 99.6ci - 115HP	90-94	10 Tooth United Tech System	UT	12	585057	PH130-0044
E115ML	1.6L - 99.6ci - 115HP	80-84	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
E115MML	1.6L - 99.6ci - 115HP	80-84	10 Tooth United Tech System	UT	12	389954	PH130-0044
E115SSL	1.7L - 105.4ci - 115HP	95-98	United Tech System	UT	12	584980	PH130-0027
E115SX	1.7L - 105.4ci - 115HP	95-98	United Tech System	UT	12	584980	PH130-0027
E115TL	1.6L - 99.6ci - 115HP	90-95	10 Tooth United Tech System	UT	12	389954	PH130-0044
E115TL	1.6L - 99.6ci - 115HP	90-95	10 Tooth United Tech System	UT	12	585057	PH130-0044
E115TL	1.6L - 99.6ci - 115HP	80-85	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
E115TL	1.6L - 99.6ci - 115HP	80-85	10 Tooth United Tech System	UT	12	389954	PH130-0044
E115TSL	1.7L - 105.4ci - 115HP	97-98	United Tech System	UT	12	585057	PH130-0044
E115TSX	1.7L - 105.4ci - 115HP	97-98	United Tech System	UT	12	585057	PH130-0044
E115TX	1.6L - 99.6ci - 115HP	90-95	10 Tooth United Tech System	UT	12	389954	PH130-0044
E115TX	1.6L - 99.6ci - 115HP	90-95	10 Tooth United Tech System	UT	12	585057	PH130-0044
E115TX	1.6L - 99.6ci - 115HP	80-84	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
E115TX	1.6L - 99.6ci - 115HP	80-84	10 Tooth United Tech System	UT	12	389954	PH130-0044
E120TL	1.8L - 110ci - 120HP	85-87	10 Tooth United Tech System	UT	12	393570	PH130-0012
E120TL	2.0L - 122ci - 120HP	88-94	10 Tooth United Tech System	UT	12	393570	PH130-0012
E120TX	1.8L - 110ci - 120HP	85-87	10 Tooth United Tech System	UT	12	393570	PH130-0012
E120TX	2.0L - 122ci - 120HP	88-94	10 Tooth United Tech System	UT	12	393570	PH130-0012
E125 (Older Models)	1.8L - 110ci - 125HP	73-77	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
E125 (Older Models)	1.8L - 110ci - 125HP	73-77	10 Tooth United Tech System	UT	12	389954	PH130-0044
E125ES	125HP	89-95	10 Tooth United Tech System	UT	12	393570	PH130-0012
E130CX	2.0L - 122ci - 130HP	95	10 Tooth United Tech System	UT	12	585060	PH130-0012
E130TL	2.0L - 122ci - 130HP	95-98	10 Tooth United Tech System	UT	12	585060	PH130-0012
E130TX	2.0L - 122ci - 130HP	95-98	10 Tooth United Tech System	UT	12	585060	PH130-0012
E135 (Older Models)	2.0L - 122ci - 135HP	73-77	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
E135 (Older Models)	2.0L - 122ci - 135HP	73-77	10 Tooth United Tech System	UT	12	389954	PH130-0044
E135F	135HP	00-06	United Tech System	UT	12	586287	PH130-0032
E140 (Older Models)	1.6L - 99.6ci - 140HP	73-79	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
E140 (Older Models)	1.6L - 99.6ci - 140HP	73-79	10 Tooth United Tech System	UT	12	389954	PH130-0044
E140CX	2.0L - 122ci - 140HP	88-94	10 Tooth United Tech System	UT	12	393570	PH130-0012
E140MML	1.6L - 99.6ci - 140HP	80	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
E140MML	1.6L - 99.6ci - 140HP	80	10 Tooth United Tech System	UT	12	389954	PH130-0044
E140TL	1.6L - 99.6ci - 140HP	84	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
E140TL	1.6L - 99.6ci - 140HP	84	10 Tooth United Tech System	UT	12	389954	PH130-0044
E140TL	1.8L - 110ci - 140HP	85-87	10 Tooth United Tech System	UT	12	393570	PH130-0012
E140TL	2.0L - 122ci - 140HP	88-94	10 Tooth United Tech System	UT	12	393570	PH130-0012
E140TRL	1.6L - 99.6ci - 140HP	80-83	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
E140TRL	1.6L - 99.6ci - 140HP	80-83	10 Tooth United Tech System	UT	12	389954	PH130-0044
E140TRX	1.6L - 99.6ci - 140HP	80-83	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
E140TRX	1.6L - 99.6ci - 140HP	80-83	10 Tooth United Tech System	UT	12	389954	PH130-0044
E140TX	1.6L - 99.6ci - 140HP	84	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
E140TX	1.6L - 99.6ci - 140HP	84	10 Tooth United Tech System	UT	12	389954	PH130-0044
E140TX	1.8L - 110ci - 140HP	85-87	10 Tooth United Tech System	UT	12	393570	PH130-0012
E140TX	2.0L - 122ci - 140HP	88-94	10 Tooth United Tech System	UT	12	393570	PH130-0012
E150 (Older Models)	2.5L - 149.4ci - 150HP	77-79	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E150 (Older Models)	2.5L - 149.4ci - 150HP	77-79	8 Tooth United Tech System	UT	12	395207	PH130-0039
E150CX	2.5L - 149.4ci - 150HP	88-91	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E150CX	2.5L - 149.4ci - 150HP	88-91	8 Tooth United Tech System	UT	12	395207	PH130-0039
E150D	2.6L - 158ci - 150HP	08-On	United Tech System	UT	12	586957	PH130-0008
E150D	2.6L - 158ci - 150HP	07	United Tech System	UT	12	586890	PH130-0008
E150EL	2.6L - 158ci - 150HP	91-98	United Tech System	UT	12	432925	PH130-0018
E150EX	2.6L - 158ci - 150HP	91-98	United Tech System	UT	12	432925	PH130-0018
E150F FICHT V6	2.6L - 158ci - 150HP	97-06	United Tech System	UT	12	586287	PH130-0032
E150GL	2.6L - 158ci - 150HP	91-98	United Tech System	UT	12	432925	PH130-0018
E150H	2.6L - 158ci - 150HP	08-On	United Tech System	UT	12	586957	PH130-0008
E150JL	2.6L - 158ci - 150HP	92-98	United Tech System	UT	12	432925	PH130-0018
E150L INTRUDER FICHT V6	2.6L - 158ci - 150HP	98	United Tech System	UT	12	438878	PH130-0032
E150NX	2.6L - 158ci - 150HP	91-98	United Tech System	UT	12	432925	PH130-0018
E150SL	2.6L - 158ci - 150HP	96-98	United Tech System	UT	12	432925	PH130-0018
E150STL	2.5L - 149.4ci - 150HP	84-91	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E150STL	2.5L - 149.4ci - 150HP	84-91	8 Tooth United Tech System	UT	12	395207	PH130-0039
E150TL	2.5L - 149.4ci - 150HP	84-91	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E150TL	2.5L - 149.4ci - 150HP	84-91	8 Tooth United Tech System	UT	12	395207	PH130-0039
E150TRL	2.5L - 149.4ci - 150HP	80-83	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E150TRL	2.5L - 149.4ci - 150HP	80-83	8 Tooth United Tech System	UT	12	395207	PH130-0039
E150TRX	2.5L - 149.4ci - 150HP	80-83	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E150TRX	2.5L - 149.4ci - 150HP	80-83	8 Tooth United Tech System	UT	12	395207	PH130-0039
E150TX	2.5L - 149.4ci - 150HP	84-91	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E150TX	2.5L - 149.4ci - 150HP	84-91	8 Tooth United Tech System	UT	12	395207	PH130-0039
E150W	2.6L - 158ci - 150HP	91-97	United Tech System	UT	12	432925	PH130-0018
E155WTL	2.5L - 149.4ci - 155HP	85-95	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E155WTL	2.5L - 149.4ci - 155HP	85-95	8 Tooth United Tech System	UT	12	395207	PH130-0039
E155WTX	2.5L - 149.4ci - 155HP	85-95	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E155WTX	2.5L - 149.4ci - 155HP	85-95	8 Tooth United Tech System	UT	12	395207	PH130-0039

PROTORQUE - Outboard Starters & Components



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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

**PROTORQUE - Outboard Starters & Components**

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>EVINRUDE - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
E175 (Older Models)	2.5L - 149.4ci - 175HP	77-79	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E175 (Older Models)	2.5L - 149.4ci - 175HP	77-79	8 Tooth United Tech System	UT	12	395207	PH130-0039
E175D	2.6L - 158.2ci - 175HP	08-On	United Tech System	UT	12	586957	PH130-0008
E175D	2.6L - 158.2ci - 175HP	07	United Tech System	UT	12	586890	PH130-0008
E175EX	2.6L - 158ci - 175HP	91-98	United Tech System	UT	12	432925	PH130-0018
E175F FICHT V6	2.6L - 158ci - 175HP	98-06	United Tech System	UT	12	586287	PH130-0032
E175GL	2.6L - 158ci - 175HP	91-98	United Tech System	UT	12	432925	PH130-0018
E175NX	2.6L - 158ci - 175HP	93-98	United Tech System	UT	12	432925	PH130-0018
E175SL	2.6L - 158ci - 175HP	95-98	United Tech System	UT	12	432925	PH130-0018
E175STL	2.6L - 160.3ci - 175HP	90-91	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E175STL	2.6L - 160.3ci - 175HP	90-91	8 Tooth United Tech System	UT	12	395207	PH130-0039
E175TL	2.6L - 160.3ci - 175HP	86-89	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E175TL	2.6L - 160.3ci - 175HP	86-89	8 Tooth United Tech System	UT	12	395207	PH130-0039
E175TRL	2.5L - 149.4ci - 175HP	80-83	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E175TRL	2.5L - 149.4ci - 175HP	80-83	8 Tooth United Tech System	UT	12	395207	PH130-0039
E175TRX	2.5L - 149.4ci - 175HP	80-83	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E175TRX	2.5L - 149.4ci - 175HP	80-83	8 Tooth United Tech System	UT	12	395207	PH130-0039
E175TX	2.6L - 160.3ci - 175HP	85-91	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E175TX	2.6L - 160.3ci - 175HP	85-91	8 Tooth United Tech System	UT	12	395207	PH130-0039
E185TL	2.5L - 149.4ci - 185HP	84-85	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E185TL	2.5L - 149.4ci - 185HP	84-85	8 Tooth United Tech System	UT	12	395207	PH130-0039
E185TX	2.5L - 149.4ci - 185HP	84-85	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E185TX	2.5L - 149.4ci - 185HP	84-85	8 Tooth United Tech System	UT	12	395207	PH130-0039
E200 (Older Models)	2.5L - 149.4ci - 200HP	77-79	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E200 (Older Models)	2.5L - 149.4ci - 200HP	77-79	8 Tooth United Tech System	UT	12	395207	PH130-0039
E200CX	3.0L - 183ci - 200HP	88-98	United Tech System	UT	12	584799	PH130-0008
E200CZ	3.0L - 183ci - 200HP	93-95	United Tech System	UT	12	584799	PH130-0008
E200D	2.6L - 158.2ci - 200HP	08-On	United Tech System	UT	12	586957	PH130-0008
E200D	2.6L - 158.2ci - 200HP	05-07	United Tech System	UT	12	586890	PH130-0008
E200DH H.O.	3.3L - 200ci - 200HP	08-On	United Tech System	UT	12	586890	PH130-0008
E200F FICHT V6	3.0L - 183ci - 200HP	99-01	United Tech System	UT	12	586411	PH130-0008
E200H	3.3L - 200ci - 200HP	06-On	United Tech System	UT	12	586890	PH130-0008
E200SCL	3.0L - 183ci - 200HP	88-90	United Tech System	UT	12	391511	PH130-0008
E200STL	2.7L - 160.3ci - 200HP	86-87	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E200STL	2.7L - 160.3ci - 200HP	86-87	8 Tooth United Tech System	UT	12	395207	PH130-0039
E200STL	3.0L - 183ci - 200HP	88-98	United Tech System	UT	12	584799	PH130-0008
E200TL	3.0L - 183ci - 200HP	89-98	United Tech System	UT	12	584799	PH130-0008
E200TRL	2.5L - 149.4ci - 200HP	80-83	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E200TRL	2.5L - 149.4ci - 200HP	80-83	8 Tooth United Tech System	UT	12	395207	PH130-0039
E200TRX	2.5L - 149.4ci - 200HP	80-83	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E200TRX	2.5L - 149.4ci - 200HP	80-83	8 Tooth United Tech System	UT	12	395207	PH130-0039
E200TX	2.7L - 160.3ci - 200HP	87	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E200TX	2.7L - 160.3ci - 200HP	87	8 Tooth United Tech System	UT	12	395207	PH130-0039
E200TX	3.0L - 183ci - 200HP	88-98	United Tech System	UT	12	584799	PH130-0008
E200TZ	3.0L - 183ci - 200HP	93-95	United Tech System	UT	12	584799	PH130-0008
E200W FICHT V6	3.0L - 183ci - 200HP	99-01	United Tech System	UT	12	586411	PH130-0008
E225 (Older Models)	2.7L - 160.3ci - 225HP	77-79	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E225 (Older Models)	2.7L - 160.3ci - 225HP	77-79	8 Tooth United Tech System	UT	12	395207	PH130-0039
E225CL	2.7L - 160.3ci - 225HP	87	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E225CL	2.7L - 160.3ci - 225HP	87	8 Tooth United Tech System	UT	12	395207	PH130-0039
E225CL	3.0L - 183ci - 225HP	88-90	United Tech System	UT	12	391511	PH130-0008
E225CX	2.7L - 160.3ci - 225HP	87	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E225CX	2.7L - 160.3ci - 225HP	87	8 Tooth United Tech System	UT	12	395207	PH130-0039
E225CX	3.0L - 183ci - 225HP	88-99	United Tech System	UT	12	584799	PH130-0008
E225CZ	3.0L - 183ci - 225HP	88-99	United Tech System	UT	12	584799	PH130-0008
E225D	3.3L - 200ci - 225HP	05-On	United Tech System	UT	12	586890	PH130-0008
E225F FICHT V6	3.0L - 183ci - 225HP	99-01	United Tech System	UT	12	586411	PH130-0008
E225H	3.3L - 200ci - 225HP	08-On	United Tech System	UT	12	586890	PH130-0008
E225PL	2.7L - 160.3ci - 225HP	87	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E225PL	2.7L - 160.3ci - 225HP	87	8 Tooth United Tech System	UT	12	395207	PH130-0039
E225PL	3.0L - 183ci - 225HP	88-94	United Tech System	UT	12	391511	PH130-0008
E225PTL	2.7L - 160.3ci - 225HP	86	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E225PTL	2.7L - 160.3ci - 225HP	86	8 Tooth United Tech System	UT	12	395207	PH130-0039
E225PTX	2.7L - 160.3ci - 225HP	86	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E225PTX	2.7L - 160.3ci - 225HP	86	8 Tooth United Tech System	UT	12	395207	PH130-0039
E225PX	2.7L - 160.3ci - 225HP	87	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E225PX	2.7L - 160.3ci - 225HP	87	8 Tooth United Tech System	UT	12	395207	PH130-0039
E225PX	3.0L - 183ci - 225HP	88-94	United Tech System	UT	12	391511	PH130-0008
E225PZ	3.0L - 183ci - 225HP	93-94	United Tech System	UT	12	391511	PH130-0008
E225STL	3.0L - 183ci - 225HP	94-98	United Tech System	UT	12	584799	PH130-0008
E225TL	2.7L - 160.3ci - 225HP	86-87	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E225TL	2.7L - 160.3ci - 225HP	86-87	8 Tooth United Tech System	UT	12	395207	PH130-0039
E225TL	3.0L - 183ci - 225HP	88-93	United Tech System	UT	12	391511	PH130-0008
E225TX	2.7L - 160.3ci - 225HP	86-87	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E225TX	2.7L - 160.3ci - 225HP	86-87	8 Tooth United Tech System	UT	12	395207	PH130-0039
E225TX	3.0L - 183ci - 225HP	88-98	United Tech System	UT	12	584799	PH130-0008
E225TZ	3.0L - 183ci - 225HP	93-98	United Tech System	UT	12	584799	PH130-0008



# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>EVINRUDE - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
E235 (Older Models)	2.7L - 160.3ci - 235HP	77-79	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E235 (Older Models)	2.7L - 160.3ci - 235HP	77-79	8 Tooth United Tech System	UT	12	395207	PH130-0039
E235STL	2.7L - 160.3ci - 235HP	84-85	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E235STL	2.7L - 160.3ci - 235HP	84-85	8 Tooth United Tech System	UT	12	395207	PH130-0039
E235TL	2.7L - 160.3ci - 235HP	84-85	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E235TL	2.7L - 160.3ci - 235HP	84-85	8 Tooth United Tech System	UT	12	395207	PH130-0039
E235TRL	2.7L - 160.3ci - 235HP	80-83	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E235TRL	2.7L - 160.3ci - 235HP	80-83	8 Tooth United Tech System	UT	12	395207	PH130-0039
E235TRX	2.7L - 160.3ci - 235HP	80-83	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E235TRX	2.7L - 160.3ci - 235HP	80-83	8 Tooth United Tech System	UT	12	395207	PH130-0039
E235TX	2.7L - 160.3ci - 235HP	84-85	8 Tooth Prestolite System	PS	12	387094	PH130-0039
E235TX	2.7L - 160.3ci - 235HP	84-85	8 Tooth United Tech System	UT	12	395207	PH130-0039
E250CX	4.0L - 244ci - 250HP	91-98	United Tech System	UT	12	584799	PH130-0008
E250CZ	4.0L - 244ci - 250HP	93-95	United Tech System	UT	12	584799	PH130-0008
E250D H.O.	3.4L - 210ci - 250HP	09-On	United Tech System	UT	12	586890	PH130-0008
E250F	250HP	00-01	United Tech System	UT	12	586411	PH130-0008
E250H H.O.	3.4L - 210ci - 250HP	09-On	United Tech System	UT	12	586890	PH130-0008
E250TX	4.0L - 244ci - 250HP	91-98	United Tech System	UT	12	584799	PH130-0008
E250TZ	4.0L - 244ci - 250HP	93-95	United Tech System	UT	12	584799	PH130-0008
E275CL	3.6L - 220ci - 275HP	87-88	United Tech System	UT	12	391511	PH130-0008
E275CX	3.6L - 220ci - 275HP	87-88	United Tech System	UT	12	391511	PH130-0008
E275PL	3.6L - 220ci - 275HP	87-88	United Tech System	UT	12	391511	PH130-0008
E275PTL	3.6L - 220ci - 275HP	86	United Tech System	UT	12	391511	PH130-0008
E275PTX	3.6L - 220ci - 275HP	86	United Tech System	UT	12	391511	PH130-0008
E275PX	3.6L - 220ci - 275HP	87-88	United Tech System	UT	12	391511	PH130-0008
E275TL	3.6L - 220ci - 275HP	85	United Tech System	UT	12	391511	PH130-0008
E275TX	3.6L - 220ci - 275HP	85	United Tech System	UT	12	391511	PH130-0008
E300CL	3.6L - 220ci - 300HP	87	United Tech System	UT	12	391511	PH130-0008
E300CL	4.0L - 244ci - 300HP	88-90	United Tech System	UT	12	391511	PH130-0008
E300CX	3.6L - 220ci - 300HP	87	United Tech System	UT	12	391511	PH130-0008
E300CX	4.0L - 244ci - 300HP	88-95	United Tech System	UT	12	584799	PH130-0008
E300D	3.5L - 210ci - 300HP	08-On	United Tech System	UT	12	586890	PH130-0008
E300PL	4.0L - 244ci - 300HP	87-95	United Tech System	UT	12	584799	PH130-0008
E300PTL	3.6L - 220ci - 300HP	86	United Tech System	UT	12	391511	PH130-0008
E300PX	3.6L - 220ci - 300HP	87	United Tech System	UT	12	391511	PH130-0008
E300PX	4.0L - 244ci - 300HP	88-95	United Tech System	UT	12	391511	PH130-0008
E300TL	3.6L - 220ci - 300HP	85	United Tech System	UT	12	391511	PH130-0008

## FORCE

<b>ENGINES - MARINE OUTBOARD</b>							
40EL	40HP	95-99	United Tech Starter	UT	12	5676940-M030SM	PH130-0022
40EL	40HP	93-94	UT Starter (Serial 9500-936499)	UT	12	5676940-M030SM	PH130-0022
40EL	40HP	93-94	UT Starter (To Serial 9499)	UT	12	5274040-M030SM	PH130-0025
40ELPT	40HP	95-99	United Tech Starter	UT	12	5676940-M030SM	PH130-0022
40ELPT	40HP	93-94	UT Starter (Serial 9500-936499)	UT	12	5676940-M030SM	PH130-0022
40ELPT	40HP	93-94	UT Starter (To Serial 9499)	UT	12	5274040-M030SM	PH130-0025
50EL	50HP	93-99	United Tech Starter	UT	12	5676940-M030SM	PH130-0022
50ELPT	50HP	93-99	United Tech Starter	UT	12	5676940-M030SM	PH130-0022
70EL	70HP	93-95	United Tech Starter	UT	12	5273440-M030SM	PH130-0047
70ELPT	70HP	93-95	United Tech Starter	UT	12	5273440-M030SM	PH130-0047
75EL	75HP	98-99	UT Starter (Serial 0E318772-On)	UT	12	5667640-M030SM	PH130-0009
75EL	75HP	98-99	UT Starter (To Serial 0E318771)	UT	12	5273440-M030SM	PH130-0047
75EL	75HP	97	United Tech Starter	UT	12	5273440-M030SM	PH130-0047
75ELPT	75HP	98-99	UT Starter (Serial 0E318772-On)	UT	12	5667640-M030SM	PH130-0009
75ELPT	75HP	98-99	UT Starter (To Serial 0E318771)	UT	12	5273440-M030SM	PH130-0047
75ELPT	75HP	97	United Tech Starter	UT	12	5273440-M030SM	PH130-0047
85LD9 L-DRIVE	85HP	89	United Tech Starter	UT	12	4412040-M030SM	PH130-0047
90EL	90HP	93-94	UT Starter (Opt)	UT	12	5273440-M030SM	PH130-0047
90EL	90HP	93-94	UT Starter (Std)	UT	12	4412040-M030SM	PH130-0047
90ELPT	90HP	98-99	UT Starter (Serial 0E318772-On)	UT	12	5667640-M030SM	PH130-0009
90ELPT	90HP	98-99	UT Starter (To Serial 0E318771)	UT	12	5273440-M030SM	PH130-0047
90ELPT	90HP	95-97	United Tech Starter	UT	12	5273440-M030SM	PH130-0047
90ELPT	90HP	93-94	UT Starter (Opt)	UT	12	5273440-M030SM	PH130-0047
90ELPT	90HP	93-94	UT Starter (Std)	UT	12	4412040-M030SM	PH130-0047
90EXLPT	90HP	98-99	UT Starter (Serial 0E318772-On)	UT	12	5667640-M030SM	PH130-0009
90EXLPT	90HP	98-99	UT Starter (To Serial 0E318771)	UT	12	5273440-M030SM	PH130-0047
90EXLPT	90HP	95-97	United Tech Starter	UT	12	5273440-M030SM	PH130-0047
90EXLPT	90HP	93-94	UT Starter (Opt)	UT	12	5273440-M030SM	PH130-0047
90EXLPT	90HP	93-94	UT Starter (Std)	UT	12	4412040-M030SM	PH130-0047
90LD9 L-DRIVE	90HP	90-91	United Tech Starter	UT	12	4412040-M030SM	PH130-0047
120ELPT	120HP	98-99	United Tech Starter	UT	12	5667640-M030SM	PH130-0009
120ELPT	120HP	93-97	United Tech Starter	UT	12	5273440-M030SM	PH130-0047
120EXLPT	120HP	98-99	United Tech Starter	UT	12	5667640-M030SM	PH130-0009
120EXLPT	120HP	93-97	United Tech Starter	UT	12	5273440-M030SM	PH130-0047
120LD9 L-DRIVE	120HP	90-92	United Tech Starter	UT	12	4412040-M030SM	PH130-0047
125LD9 L-DRIVE	125HP	86-89	United Tech Starter	UT	12	4412040-M030SM	PH130-0047

PROTORQUE - Outboard Starters & Components



TOLL FREE: 844-786-7783

LOCAL: 609-654-6020

FAX: 609-654-5710

WEB: [www.protorqueparts.com](http://www.protorqueparts.com)

# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

PROTORQUE - Outboard Starters & Components

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
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## FORCE - continued

### ENGINES - MARINE OUTBOARD - continued

150ELPT	150HP	93-94	UT Starter (Opt)	UT	12	5273440-M030SM	PH130-0047
150ELPT	150HP	93-94	UT Starter (Std)	UT	12	4412040-M030SM	PH130-0047
150EXLPT	150HP	93-94	UT Starter (Opt)	UT	12	5273440-M030SM	PH130-0047
150EXLPT	150HP	93-94	UT Starter (Std)	UT	12	4412040-M030SM	PH130-0047
256F	25HP	89	United Tech Starter	UT	12	1149540-M030SM	PH130-0069
257F	25HP	89	United Tech Starter	UT	12	1149540-M030SM	PH130-0069
353F	35HP	90-91	United Tech Starter	UT	12	1149540-M030SM	PH130-0069
356F	35HP	90-91	United Tech Starter	UT	12	1149540-M030SM	PH130-0069
357F	35HP	90-96	United Tech Starter	UT	12	1149540-M030SM	PH130-0069
357F	35HP	86-89	Prestolite Starter	PS	12	MDO4108A	PH130-0069
357F	35HP	86-89	United Tech Starter	UT	12	1149540-M030SM	PH130-0069
357F	35HP	86-89	United Tech Starter	UT	12	4411940-M030SM	PH130-0068
358F	35HP	90-91	United Tech Starter	UT	12	1149540-M030SM	PH130-0069
407F / 408F	40HP	92	United Tech Starter	UT	12	5274040-M030SM	PH130-0025
504	50HP	88-89	United Tech Starter	UT	12	4411940-M030SM	PH130-0068
507	50HP	92	UT Starter (Serial 9500-936499)	UT	12	5676940-M030SM	PH130-0022
507	50HP	92	UT Starter (To Serial 9499)	UT	12	5274040-M030SM	PH130-0025
507	50HP	84-91	United Tech Starter	UT	12	4411940-M030SM	PH130-0068
508	50HP	92	UT Starter (Serial 9500-936499)	UT	12	5676940-M030SM	PH130-0022
508	50HP	92	UT Starter (To Serial 9499)	UT	12	5274040-M030SM	PH130-0025
508	50HP	87-91	United Tech Starter	UT	12	4411940-M030SM	PH130-0068
706F	70HP	91-92	United Tech Starter	UT	12	5273440-M030SM	PH130-0047
708F	70HP	91-92	United Tech Starter	UT	12	5273440-M030SM	PH130-0047
853	85HP	88-89	United Tech Starter	UT	12	4412040-M030SM	PH130-0047
854	85HP	88-89	United Tech Starter	UT	12	4412040-M030SM	PH130-0047
856	85HP	83-89	United Tech Starter	UT	12	4412040-M030SM	PH130-0047
858	85HP	87-89	United Tech Starter	UT	12	4412040-M030SM	PH130-0047
903F	90HP	91-92	UT Starter (Opt)	UT	12	5273440-M030SM	PH130-0047
903F	90HP	91-92	UT Starter (Std)	UT	12	4412040-M030SM	PH130-0047
903F	90HP	90	United Tech Starter	UT	12	4412040-M030SM	PH130-0047
906F	90HP	91-92	UT Starter (Opt)	UT	12	5273440-M030SM	PH130-0047
906F	90HP	91-92	UT Starter (Std)	UT	12	4412040-M030SM	PH130-0047
906F	90HP	90	United Tech Starter	UT	12	4412040-M030SM	PH130-0047
908F	90HP	91-92	UT Starter (Opt)	UT	12	5273440-M030SM	PH130-0047
908F	90HP	91-92	UT Starter (Std)	UT	12	4412040-M030SM	PH130-0047
908F	90HP	90	United Tech Starter	UT	12	4412040-M030SM	PH130-0047
1201	120HP	90-92	UT Starter (Opt)	UT	12	5273440-M030SM	PH130-0047
1201	120HP	90-92	UT Starter (Std)	UT	12	4412040-M030SM	PH130-0047
1208	120HP	90-92	UT Starter (Opt)	UT	12	5273440-M030SM	PH130-0047
1208	120HP	90-92	UT Starter (Std)	UT	12	4412040-M030SM	PH130-0047
1251	125HP	86-89	United Tech Starter	UT	12	4412040-M030SM	PH130-0047
1251	125HP	83-84	Prestolite Starter	PS	12	MGL4013	PH130-0047
1251	125HP	83-84	United Tech Starter	UT	12	4412040-M030SM	PH130-0047
1253	125HP	86-89	United Tech Starter	UT	12	4412040-M030SM	PH130-0047
1254	125HP	86-89	United Tech Starter	UT	12	4412040-M030SM	PH130-0047
1258	125HP	86-89	United Tech Starter	UT	12	4412040-M030SM	PH130-0047
1258	125HP	83-84	Prestolite Starter	PS	12	MGL4013	PH130-0047
1258	125HP	83-84	United Tech Starter	UT	12	4412040-M030SM	PH130-0047
1501	150HP	90-92	UT Starter (Opt)	UT	12	5273440-M030SM	PH130-0047
1501	150HP	90-92	UT Starter (Std)	UT	12	4412040-M030SM	PH130-0047
1503	150HP	89	UT Starter (Opt)	UT	12	5273440-M030SM	PH130-0047
1503	150HP	89	UT Starter (Std)	UT	12	4412040-M030SM	PH130-0047
1508	150HP	89-92	UT Starter (Opt)	UT	12	5273440-M030SM	PH130-0047
1508	150HP	89-92	UT Starter (Std)	UT	12	4412040-M030SM	PH130-0047

## HONDA

### ENGINES - MARINE OUTBOARD

BF35	35HP	95-97		HI	12	31200-ZV5-0130	PH130-0054
BF40	40HP	95-On		HI	12	31200-ZV5-0130	PH130-0054
BF45	45HP	95-97		HI	12	31200-ZV5-0130	PH130-0054
BF50	50HP	95-On		HI	12	31200-ZV5-0130	PH130-0054
BF75	75HP	97-06	Mitsubishi System	MI	12	31200-ZW1-004	PH130-0064
BF90	90HP	97-06	Mitsubishi System	MI	12	31200-ZW1-004	PH130-0064
BF115	115HP	99-On	Mitsubishi System	MI	12	31200-ZW5-003	PH130-0065
BF130	130HP	99-04	Mitsubishi System	MI	12	31200-ZW5-003	PH130-0065
BF200	200HP	02-On	Mitsubishi System	MI	12	31200-ZY3-003	PH130-0070
BF225	225HP	02-On	Mitsubishi System	MI	12	31200-ZY3-003	PH130-0070

## JOHNSON

### ENGINES - MARINE OUTBOARD

10E	13.2ci - 9.9HP	85-92	United Tech System	UT	12	386430	PH130-0014
10E	15.6ci - 9.9HP	98-01	United Tech System	UT	12	586274	PH130-0036
10E	15.6ci - 9.9HP	93-97	United Tech System	UT	12	584613	PH130-0036
10EL	13.2ci - 9.9HP	80-93	United Tech System	UT	12	386430	PH130-0014
10EL	15.6ci - 9.9HP	94-98	United Tech System	UT	12	586274	PH130-0036
10FEX 4-STROKE	18.6ci - 9.9HP	95-98	United Tech System	UT	12	584608	PH130-0013

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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>JOHNSON - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
10FREL 4-STROKE	18.6ci - 9.9HP	95-98	United Tech System	UT	12	584608	PH130-0013
10RE	13.2ci - 9.9HP	90-92	United Tech System	UT	12	386430	PH130-0014
10RE	15.6ci - 9.9HP	98-01	United Tech System	UT	12	586274	PH130-0036
10RE	15.6ci - 9.9HP	93-97	United Tech System	UT	12	584613	PH130-0036
10SE	13.2ci - 9.9HP	80-92	United Tech System	UT	12	386430	PH130-0014
10SE	15.6ci - 9.9HP	98-01	United Tech System	UT	12	586274	PH130-0036
10SE	15.6ci - 9.9HP	93-97	United Tech System	UT	12	584613	PH130-0036
10TE	15.6ci - 9.9HP	99-01	United Tech System	UT	12	586274	PH130-0036
10TEL	15.6ci - 9.9HP	99-01	United Tech System	UT	12	586274	PH130-0036
15E	13.2ci - 15HP	80-92	United Tech System	UT	12	386430	PH130-0014
15E	15.6ci - 9.9HP	98-01	United Tech System	UT	12	586274	PH130-0036
15E	15.6ci - 9.9HP	93-97	United Tech System	UT	12	584613	PH130-0036
15FR 4-STROKE	18.6ci - 15HP	97-01	United Tech System	UT	12	586275	PH130-0013
15RE	13.2ci - 15HP	90-93	United Tech System	UT	12	386430	PH130-0014
15RE	15.6ci - 15HP	94-97	United Tech System	UT	12	586274	PH130-0036
15TE	15.6ci - 15HP	99-01	United Tech System	UT	12	586274	PH130-0036
15TEL	15.6ci - 15HP	99-01	United Tech System	UT	12	586274	PH130-0036
20 (Older Models)	31.8ci - 20HP	66-79	11 Tooth Prestolite System	PS	12	392133	PH130-0038
20 (Older Models)	31.8ci - 20HP	66-79	11 Tooth United Tech System	UT	12	585061	PH130-0038
20E	31.8ci - 20HP	98	11 Tooth United Tech System	UT	12	586278	PH130-0038
20E	31.8ci - 20HP	95-97	11 Tooth United Tech System	UT	12	585061	PH130-0038
20E	31.8ci - 20HP	94	11 Tooth United Tech System	UT	12	585061	PH130-0038
20E	31.8ci - 20HP	94	11 Tooth Prestolite System	PS	12	392133	PH130-0038
20E	31.8ci - 20HP	85-93	11 Tooth Prestolite System	PS	12	392133	PH130-0038
20E	31.8ci - 20HP	85-93	9 Tooth United Tech System	UT	12	583473	PH130-0017
25 (Older Models)	31.8ci - 25HP	66-79	11 Tooth Prestolite System	PS	12	392133	PH130-0038
25 (Older Models)	31.8ci - 25HP	66-79	11 Tooth United Tech System	UT	12	585061	PH130-0038
25E	31.8ci - 25HP	98-01	11 Tooth United Tech System	UT	12	586278	PH130-0038
25E	31.8ci - 25HP	95-97	11 Tooth United Tech System	UT	12	585061	PH130-0038
25E	31.8ci - 25HP	94	11 Tooth United Tech System	UT	12	585061	PH130-0038
25E	31.8ci - 25HP	94	11 Tooth Prestolite System	PS	12	392133	PH130-0038
25E	31.8ci - 25HP	81-93	11 Tooth Prestolite System	PS	12	392133	PH130-0038
25E	31.8ci - 25HP	81-93	9 Tooth United Tech System	UT	12	583473	PH130-0017
25E4	25HP	06-07	Hitachi Starter	HI	12	5036972	PH130-0077
25EL	31.8ci - 25HP	98-05	11 Tooth United Tech System	UT	12	586278	PH130-0038
25EL	31.8ci - 25HP	95-97	11 Tooth United Tech System	UT	12	585061	PH130-0038
25EL	31.8ci - 25HP	94	11 Tooth United Tech System	UT	12	585061	PH130-0038
25EL	31.8ci - 25HP	94	11 Tooth Prestolite System	PS	12	392133	PH130-0038
25EL	31.8ci - 25HP	81-93	11 Tooth Prestolite System	PS	12	392133	PH130-0038
25EL	31.8ci - 25HP	81-93	9 Tooth United Tech System	UT	12	583473	PH130-0017
25EL4	25HP	06-07	Hitachi Starter	HI	12	5036972	PH130-0077
25ES	31.8ci - 25HP	00-01	11 Tooth United Tech System	UT	12	586278	PH130-0038
25EV	31.8ci - 25HP	01	11 Tooth United Tech System	UT	12	586278	PH130-0038
25GT	31.8ci - 25HP	04-05	11 Tooth United Tech System	UT	12	586278	PH130-0038
25KL	30.5ci - 25HP	98	United Tech System	UT	12	58627	PH130-0026
25KL	30.5ci - 25HP	96-97	United Tech System	UT	12	584818	PH130-0026
25PL3	30.5ci - 25HP	99-01	United Tech System	UT	12	586277	PH130-0026
25QL	30.5ci - 25HP	98	United Tech System	UT	12	586277	PH130-0026
25QL	30.5ci - 25HP	96-97	United Tech System	UT	12	584818	PH130-0026
25R3	30.5ci - 25HP	99-01	United Tech System	UT	12	586277	PH130-0026
25RL3	30.5ci - 25HP	98	United Tech System	UT	12	586277	PH130-0026
25RM	30.5ci - 25HP	96-97	United Tech System	UT	12	584818	PH130-0026
25RV3	30.5ci - 25HP	01	United Tech System	UT	12	586277	PH130-0026
25RVL3	30.5ci - 25HP	01	United Tech System	UT	12	586277	PH130-0026
25TE	31.8ci - 25HP	98-01	11 Tooth United Tech System	UT	12	586278	PH130-0038
25TE	31.8ci - 25HP	95-97	11 Tooth United Tech System	UT	12	585061	PH130-0038
25TE	31.8ci - 25HP	94	11 Tooth United Tech System	UT	12	585061	PH130-0038
25TE	31.8ci - 25HP	94	11 Tooth Prestolite System	PS	12	392133	PH130-0038
25TE	31.8ci - 25HP	81-93	11 Tooth Prestolite System	PS	12	392133	PH130-0038
25TE	31.8ci - 25HP	81-93	9 Tooth United Tech System	UT	12	583473	PH130-0017
25TEL	31.8ci - 25HP	98-05	11 Tooth United Tech System	UT	12	586278	PH130-0038
25TEL	31.8ci - 25HP	95-97	11 Tooth United Tech System	UT	12	585061	PH130-0038
25TEL	31.8ci - 25HP	94	11 Tooth United Tech System	UT	12	585061	PH130-0038
25TEL	31.8ci - 25HP	94	11 Tooth Prestolite System	PS	12	392133	PH130-0038
25TEL	31.8ci - 25HP	81-93	11 Tooth Prestolite System	PS	12	392133	PH130-0038
25TEL	31.8ci - 25HP	81-93	9 Tooth United Tech System	UT	12	583473	PH130-0017
25TEL3	30.5ci - 25HP	99-01	United Tech System	UT	12	586277	PH130-0026
25TEL4	25HP	06-07	Hitachi Starter	HI	12	5036972	PH130-0077
25TES	31.8ci - 25HP	02-05	11 Tooth United Tech System	UT	12	586278	PH130-0038
25TK	30.5ci - 25HP	98	United Tech System	UT	12	586277	PH130-0026
25TK	30.5ci - 25HP	96-97	United Tech System	UT	12	584818	PH130-0026
25TVL3	30.5ci - 25HP	01	United Tech System	UT	12	586277	PH130-0026
25VL3	30.5ci - 25HP	01	United Tech System	UT	12	586277	PH130-0026
28 (Older Models)	31.8ci - 28HP	67-76	11 Tooth Prestolite System	PS	12	392133	PH130-0038
28 (Older Models)	31.8ci - 28HP	67-76	11 Tooth United Tech System	UT	12	585061	PH130-0038
28 (Older Models)	31.8ci - 28HP	66	11 Tooth Prestolite System	PS	12	380238	PH130-0038
28 (Older Models)	31.8ci - 28HP	66	11 Tooth Prestolite System	PS	12	392133	PH130-0038

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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	•
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## JOHNSON - continued

### ENGINES - MARINE OUTBOARD - continued

28 (Older Models)	31.8ci - 28HP	66	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
28 (Older Models)	31.8ci - 28HP	60-65	11 Tooth Prestolite System	PS	12	380238	PH130-0038	•
28 (Older Models)	31.8ci - 28HP	60-65	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
28ESL	31.8ci - 28HP	95-96	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
28ESL	31.8ci - 28HP	87-94	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
28ESL	31.8ci - 28HP	87-94	9 Tooth United Tech System	UT	12	583473	PH130-0017	•
30 (Older Models)	31.8ci - 30HP	67-76	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
30 (Older Models)	31.8ci - 30HP	66	11 Tooth Prestolite System	PS	12	380238	PH130-0038	•
30 (Older Models)	31.8ci - 30HP	66	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
30 (Older Models)	31.8ci - 30HP	60-65	11 Tooth Prestolite System	PS	12	380238	PH130-0038	•
30E	31.8ci - 30HP	98-99	11 Tooth United Tech System	UT	12	586278	PH130-0038	•
30E	31.8ci - 30HP	95-97	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
30E	31.8ci - 30HP	94	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
30E	31.8ci - 30HP	94	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
30E	31.8ci - 30HP	84-93	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
30E	31.8ci - 30HP	84-93	9 Tooth United Tech System	UT	12	583473	PH130-0017	•
30EL	31.8ci - 30HP	98-05	11 Tooth United Tech System	UT	12	586278	PH130-0038	•
30EL	31.8ci - 30HP	95-97	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
30EL	31.8ci - 30HP	94	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
30EL	31.8ci - 30HP	94	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
30EL	31.8ci - 30HP	84-93	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
30EL	31.8ci - 30HP	84-93	9 Tooth United Tech System	UT	12	583473	PH130-0017	•
30ES	31.8ci - 30HP	00-01	11 Tooth United Tech System	UT	12	586278	PH130-0038	•
30EV	31.8ci - 30HP	01	11 Tooth United Tech System	UT	12	586278	PH130-0038	•
30TE	31.8ci - 30HP	98	11 Tooth United Tech System	UT	12	586278	PH130-0038	•
30TE	31.8ci - 30HP	95-97	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
30TE	31.8ci - 30HP	94	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
30TE	31.8ci - 30HP	94	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
30TE	31.8ci - 30HP	84-93	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
30TE	31.8ci - 30HP	84-93	9 Tooth United Tech System	UT	12	583473	PH130-0017	•
30TEL	31.8ci - 30HP	98	11 Tooth United Tech System	UT	12	586278	PH130-0038	•
30TEL	31.8ci - 30HP	95-97	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
30TEL	31.8ci - 30HP	94	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
30TEL	31.8ci - 30HP	94	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
30TEL	31.8ci - 30HP	85-93	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
30TEL	31.8ci - 30HP	85-93	9 Tooth United Tech System	UT	12	583473	PH130-0017	•
35E	31.8ci - 35HP	80-84	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
35E	31.8ci - 35HP	80-84	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
35E	31.8ci - 35HP	80-84	9 Tooth United Tech System	UT	12	585059	PH130-0017	•
35EL	31.8ci - 35HP	80-84	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
35EL	31.8ci - 35HP	80-84	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
35EL	31.8ci - 35HP	80-84	9 Tooth United Tech System	UT	12	585059	PH130-0017	•
35E3	34.5ci - 35HP	99	United Tech System	UT	12	586277	PH130-0026	•
35EL3	34.5ci - 35HP	99	United Tech System	UT	12	586277	PH130-0026	•
35KL	34.5ci - 35HP	98	United Tech System	UT	12	586277	PH130-0026	•
35KL	34.5ci - 35HP	96-97	United Tech System	UT	12	584818	PH130-0026	•
35PL3	34.5ci - 35HP	99-01	United Tech System	UT	12	586277	PH130-0026	•
35QL	34.5ci - 35HP	98	United Tech System	UT	12	586277	PH130-0026	•
35QL	34.5ci - 35HP	96-97	United Tech System	UT	12	584818	PH130-0026	•
35R3	34.5ci - 35HP	99-01	United Tech System	UT	12	586277	PH130-0026	•
35RL3	34.5ci - 35HP	99-01	United Tech System	UT	12	586277	PH130-0026	•
35RV3	34.5ci - 35HP	01	United Tech System	UT	12	586277	PH130-0026	•
35RVL3	34.5ci - 35HP	01	United Tech System	UT	12	586277	PH130-0026	•
35TEL	31.8ci - 35HP	83-84	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
35TEL	31.8ci - 35HP	83-84	11 Tooth United Tech System	UT	12	585061	PH130-0038	•
35TEL	31.8ci - 35HP	83-84	9 Tooth United Tech System	UT	12	585059	PH130-0017	•
35TEL3	34.5ci - 35HP	99-01	United Tech System	UT	12	586277	PH130-0026	•
35TKL	34.5ci - 35HP	98	United Tech System	UT	12	586277	PH130-0026	•
35TKL	34.5ci - 35HP	96-97	United Tech System	UT	12	584818	PH130-0026	•
35TVL3	34.5ci - 35HP	01	United Tech System	UT	12	586277	PH130-0026	•
35VL3	34.5ci - 35HP	01	United Tech System	UT	12	586277	PH130-0026	•
40 (Older Models)	44.9ci - 40HP	70-76	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
40 (Older Models)	44.9ci - 40HP	70-76	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
40 (Older Models)	44.9ci - 40HP	70-76	UT Starter (11-tooth, 3.454" Hsg)	UT	12	585061	PH130-0038	•
40 (Older Models)	44.9ci - 40HP	70-76	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585063	PH130-0045	•
40E	44.9ci - 40HP	94-95	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585056	PH130-0016	•
40E	44.9ci - 40HP	89-94	UT Starter (9-tooth, 4.033" Hsg)	UT	12	583482	PH130-0016	•
40E	44.9ci - 40HP	85-88	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
40E	44.9ci - 40HP	85-88	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
40E	44.9ci - 40HP	85-88	UT Starter (11-tooth, 3.454" Hsg)	UT	12	585061	PH130-0038	•
40E	44.9ci - 40HP	85-88	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585063	PH130-0045	•
40EL	44.9ci - 40HP	94-98	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585056	PH130-0016	•
40EL	44.9ci - 40HP	89-94	UT Starter (9-tooth, 4.033" Hsg)	UT	12	583482	PH130-0016	•
40EL	44.9ci - 40HP	85-88	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
40EL	44.9ci - 40HP	85-88	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
40EL	44.9ci - 40HP	85-88	UT Starter (11-tooth, 3.454" Hsg)	UT	12	585061	PH130-0038	•
40EL	44.9ci - 40HP	85-88	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585063	PH130-0045	•

PROTORQUE - Outboard Starters & Components



# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>JOHNSON - continued</b>								
<b>ENGINES - MARINE OUTBOARD - continued</b>								
40JPL Jet (3cyl)	44.9ci - 40HP	99-01	UT Starter (9-tooth, 4.033" Hsg)	UT	12	586281	PH130-0043	•
40PL	44.9ci - 40HP	99-05	UT Starter (9-tooth, 4.033" Hsg)	UT	12	586279	PH130-0016	
40R	44.9ci - 40HP	99-01	UT Starter (9-tooth, 4.033" Hsg)	UT	12	586279	PH130-0016	
40R	44.9ci - 40HP	89-94	UT Starter (9-tooth, 4.033" Hsg)	UT	12	583482	PH130-0016	
40R	44.9ci - 40HP	85-88	UT Starter (11-tooth, 3.454" Hsg)	UT	12	585061	PH130-0038	•
40R	44.9ci - 40HP	85-88	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585063	PH130-0045	•
40TE	44.9ci - 40HP	94-98	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585056	PH130-0016	
40TE	44.9ci - 40HP	89-94	UT Starter (9-tooth, 4.033" Hsg)	UT	12	583482	PH130-0016	
40TE	44.9ci - 40HP	85-88	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
40TE	44.9ci - 40HP	85-88	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
40TE	44.9ci - 40HP	85-88	UT Starter (11-tooth, 3.454" Hsg)	UT	12	585061	PH130-0038	•
40TE	44.9ci - 40HP	85-88	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585063	PH130-0045	•
40TEL	44.9ci - 40HP	94-98	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585056	PH130-0016	
40TEL	44.9ci - 40HP	89-94	UT Starter (9-tooth, 4.033" Hsg)	UT	12	583482	PH130-0016	
40TEL	44.9ci - 40HP	85-88	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
40TEL	44.9ci - 40HP	85-88	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
40TEL	44.9ci - 40HP	85-88	UT Starter (11-tooth, 3.454" Hsg)	UT	12	585061	PH130-0038	•
40TEL	44.9ci - 40HP	85-88	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585063	PH130-0045	•
40TL	44.9ci - 40HP	94-98	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585056	PH130-0016	
40TL	44.9ci - 40HP	89-94	UT Starter (9-tooth, 4.033" Hsg)	UT	12	583482	PH130-0016	
40TL	44.9ci - 40HP	88	11 Tooth Prestolite System	PS	12	392133	PH130-0038	•
40TL	44.9ci - 40HP	88	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
40TL	44.9ci - 40HP	88	UT Starter (11-tooth, 3.454" Hsg)	UT	12	585061	PH130-0038	•
40TL	44.9ci - 40HP	88	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585063	PH130-0045	•
40TPL	44.9ci - 40HP	99-01	UT Starter (9-tooth, 4.033" Hsg)	UT	12	586279	PH130-0016	
40TTL	44.9ci - 40HP	94-98	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585056	PH130-0016	
40TTL	44.9ci - 40HP	89-94	UT Starter (9-tooth, 4.033" Hsg)	UT	12	583482	PH130-0016	
48ESL	44.9ci - 48HP	94-96	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585056	PH130-0016	
48ESL	44.9ci - 48HP	87-94	UT Starter (9-tooth, 4.033" Hsg)	UT	12	583482	PH130-0016	
50(Older Models)	44.9ci - 50HP	71-79	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
50(Older Models)	44.9ci - 50HP	71-79	9 Tooth Prestolite System	PS	12	389275	PH130-0045	•
50(Older Models)	44.9ci - 50HP	71-79	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585063	PH130-0045	•
50D (3cyl)	56.1ci - 50HP	98	UT Starter (9-tooth, 4.033" Hsg)	UT	12	586281	PH130-0043	•
50D (3cyl)	56.1ci - 50HP	95-97	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585058	PH130-0043	•
50E	44.9ci - 50HP	80	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
50E	44.9ci - 50HP	80	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585063	PH130-0045	•
50EL	44.9ci - 50HP	99-01	UT Starter (9-tooth, 4.033" Hsg)	UT	12	586279	PH130-0016	
50EL	44.9ci - 50HP	80	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
50EL	44.9ci - 50HP	80	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585063	PH130-0045	•
50EL (3cyl)	56.1ci - 50HP	95-97	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585058	PH130-0043	•
50ESL	44.9ci - 50HP	97-98	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585056	PH130-0016	
50J JET	44.9ci - 35HP	96-97	United Tech System	UT	12	585056	PH130-0016	
50J JET	44.9ci - 35HP	91-95	United Tech System	UT	12	583482	PH130-0016	
50PL	44.9ci - 50HP	99-05	UT Starter (9-tooth, 4.033" Hsg)	UT	12	586279	PH130-0016	
50TEL	44.9ci - 50HP	94-95	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585056	PH130-0016	
50TEL	44.9ci - 50HP	89-94	UT Starter (9-tooth, 4.033" Hsg)	UT	12	583482	PH130-0016	
50TEL	44.9ci - 50HP	83-88	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
50TEL	44.9ci - 50HP	83-88	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585063	PH130-0045	•
50TLE	44.9ci - 50HP	94-98	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585056	PH130-0016	
50TLE	44.9ci - 50HP	89-94	UT Starter (9-tooth, 4.033" Hsg)	UT	12	583482	PH130-0016	
50TLE	44.9ci - 50HP	84-88	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
50TLE	44.9ci - 50HP	84-88	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585063	PH130-0045	•
50TSL	44.9ci - 50HP	97-98	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585056	PH130-0016	
50TT (3cyl)	56.1ci - 50HP	98	UT Starter (9-tooth, 4.033" Hsg)	UT	12	586281	PH130-0043	•
50TT (3cyl)	56.1ci - 50HP	95-97	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585058	PH130-0043	•
60 (Older Models)	44.9ci - 50HP	71-76	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
60 (Older Models)	44.9ci - 50HP	69-70	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
60E (2cyl)	44.9ci - 50HP	80-82	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
60E (2cyl)	44.9ci - 50HP	80-82	9 Tooth Prestolite System	PS	12	389275	PH130-0045	•
60E (2cyl)	44.9ci - 50HP	80-82	UT Starter (9-tooth, 4.033" Hsg)	UT	12	285063	PH130-0045	•
60EL	49.7ci - 60HP	86-88	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
60EL	49.7ci - 60HP	86-88	9 Tooth United Tech System	UT	12	386657	PH130-0043	•
60EL	56.1ci - 60HP	94-97	9 Tooth United Tech System	UT	12	585058	PH130-0043	•
60EL	56.1ci - 60HP	89-94	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
60EL (2cyl)	44.9ci - 60HP	80-85	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
60EL (2cyl)	44.9ci - 60HP	80-85	9 Tooth Prestolite System	PS	12	389275	PH130-0045	•
60EL (2cyl)	44.9ci - 60HP	80-85	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585063	PH130-0045	•
60EL (2cyl)	56.1ci - 60HP	99-01	9 Tooth United Tech System	UT	12	586281	PH130-0043	•
60TL	56.1ci - 60HP	98	9 Tooth United Tech System	UT	12	586281	PH130-0043	•
60TL	56.1ci - 60HP	94-97	9 Tooth United Tech System	UT	12	585058	PH130-0043	•
60TL	56.1ci - 60HP	89-94	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
60TL (2cyl)	44.9ci - 60HP	84-85	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
60TL (2cyl)	44.9ci - 60HP	84-85	9 Tooth Prestolite System	PS	12	389275	PH130-0045	•
60TL (2cyl)	44.9ci - 60HP	84-85	UT Starter (9-tooth, 4.033" Hsg)	UT	12	585063	PH130-0045	•
60TTL	56.1ci - 60HP	98	9 Tooth United Tech System	UT	12	586281	PH130-0043	•
60TTL	56.1ci - 60HP	94-97	9 Tooth United Tech System	UT	12	585058	PH130-0043	•
60TTL	56.1ci - 60HP	89-94	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•

PROTORQUE - Outboard Starters & Components



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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	•
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## JOHNSON - continued

### ENGINES - MARINE OUTBOARD - continued

65 (Older Models)	44.9ci - 65HP	69-79	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
65 (Older Models)	44.9ci - 65HP	69-79	9 Tooth United Tech System	UT	12	386657	PH130-0043	•
65 (Older Models)	44.9ci - 65HP	64-68	Delco System	DR	12	1113519	PH130-0038	•
65CWML	49.7ci - 65HP	87	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
65CWML	49.7ci - 65HP	87	9 Tooth United Tech System	UT	12	386657	PH130-0043	•
65RWL	49.7ci - 65HP	85-86	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
65RWL	49.7ci - 65HP	85-86	9 Tooth United Tech System	UT	12	386657	PH130-0043	•
65TEL	49.7ci - 65HP	85-86	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
65TEL	49.7ci - 65HP	85-86	9 Tooth United Tech System	UT	12	386657	PH130-0043	•
65W	56.1ci - 65HP	99-01	9 Tooth United Tech System	UT	12	586281	PH130-0043	•
65W	56.1ci - 65HP	94-95	9 Tooth United Tech System	UT	12	585058	PH130-0043	•
65W	56.1ci - 65HP	89-94	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
70 (Older Models)	49.7ci - 70HP	71-79	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
70 (Older Models)	49.7ci - 70HP	69-70	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
70EL	49.7ci - 70HP	80-85	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
70EL	49.7ci - 70HP	80-85	9 Tooth United Tech System	UT	12	386657	PH130-0043	•
70EL	56.1ci - 70HP	94-95	9 Tooth United Tech System	UT	12	585058	PH130-0043	•
70EL	56.1ci - 70HP	86-94	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
70PL	56.1ci - 70HP	99-01	9 Tooth United Tech System	UT	12	586281	PH130-0043	•
70TL	49.7ci - 70HP	84-85	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
70TL	49.7ci - 70HP	84-85	9 Tooth United Tech System	UT	12	386657	PH130-0043	•
70TL	56.1ci - 70HP	98	9 Tooth United Tech System	UT	12	586281	PH130-0043	•
70TL	56.1ci - 70HP	94-97	9 Tooth United Tech System	UT	12	585058	PH130-0043	•
70TL	56.1ci - 70HP	86-94	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
70TTL	56.1ci - 70HP	94-95	9 Tooth United Tech System	UT	12	585058	PH130-0043	•
70TTL	56.1ci - 70HP	91-94	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
70VL	56.1ci - 70HP	01	9 Tooth United Tech System	UT	12	586281	PH130-0043	•
75 (Older Models)	49.7ci - 70HP	71-79	9 Tooth Prestolite System	PS	12	387684	PH130-0045	•
75 (Older Models)	49.7ci - 70HP	69-70	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
75E	49.7ci - 75HP	80-88	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
75E	49.7ci - 75HP	80-88	9 Tooth United Tech System	UT	12	386657	PH130-0043	•
75ER	49.7ci - 75HP	83	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
75ER	49.7ci - 75HP	83	9 Tooth United Tech System	UT	12	386657	PH130-0043	•
75ERL	49.7ci - 75HP	80	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
75ERL	49.7ci - 75HP	80	9 Tooth United Tech System	UT	12	386657	PH130-0043	•
75TL	49.7ci - 75HP	80-84	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
75TL	49.7ci - 75HP	80-84	9 Tooth United Tech System	UT	12	386657	PH130-0043	•
75TRL	49.7ci - 75HP	83	10 Tooth Prestolite System	PS	12	391735	PH130-0043	•
75TRL	49.7ci - 75HP	83	9 Tooth United Tech System	UT	12	386657	PH130-0043	•
85 (Older Models)	99.6ci - 85HP	64-79	Prestolite System (Large Gear)	PS	12	MGL4008	PH130-0086	•
85 (Older Models)	99.6ci - 85HP	64-79	Prestolite System (Small Gear)	PS	12	MKW4001	PH130-0044	•
85 (Older Models)	99.6ci - 85HP	64-79	United Tech System (Small Gear)	UT	12	389954	PH130-0044	•
85ML	99.6ci - 85HP	80	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
85ML	99.6ci - 85HP	80	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
85TL	99.6ci - 85HP	80	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
85TL	99.6ci - 85HP	80	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
85TTL	99.6ci - 85HP	94-95	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
85TTL	99.6ci - 85HP	91-94	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
88MSL	99.6ci - 88HP	94-96	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
88MSL	99.6ci - 88HP	87-94	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
88TL	99.6ci - 88HP	94-96	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
88TSL	99.6ci - 88HP	94	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
90 (Older Models)	99.6ci - 90HP	70-77	Prestolite System (Large Gear)	PS	12	MGL4008	PH130-0086	•
90 (Older Models)	99.6ci - 90HP	70-77	Prestolite System (Small Gear)	PS	12	MKW4001	PH130-0044	•
90 (Older Models)	99.6ci - 90HP	70-77	United Tech System (Small Gear)	UT	12	389954	PH130-0044	•
90EL	99.6ci - 90HP	98	United Tech System	UT	12	586284	PH130-0027	•
90EL	99.6ci - 90HP	95-97	United Tech System	UT	12	584980	PH130-0027	•
90EX	99.6ci - 90HP	95	United Tech System	UT	12	584980	PH130-0027	•
90FS	105.4ci - 90HP	98	United Tech System	UT	12	586287	PH130-0032	•
90FT	105.4ci - 90HP	98	United Tech System	UT	12	586287	PH130-0032	•
90GL	105.4ci - 90HP	03-06	United Tech System	UT	12	586284	PH130-0027	•
90J	99.6ci - 90HP	94-95	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
90J	99.6ci - 90HP	91-94	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
90ML	99.6ci - 90HP	95-96	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
90ML	99.6ci - 90HP	81-86	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
90ML	99.6ci - 90HP	81-86	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
90PL	105.4ci - 90HP	99-06	United Tech System	UT	12	586284	PH130-0027	•
90PL4	90HP	03-06	Hitachi Starter	HI	12	5033799	PH130-0071	•
90PX	105.4ci - 90HP	04-06	United Tech System	UT	12	586284	PH130-0027	•
90PX4	90HP	05-06	Hitachi Starter	HI	12	5033799	PH130-0071	•
90SL	99.6ci - 90HP	98	United Tech System	UT	12	586284	PH130-0027	•
90SL	99.6ci - 90HP	95-97	United Tech System	UT	12	584980	PH130-0027	•
90TL	99.6ci - 90HP	94-96	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
90TL	99.6ci - 90HP	81-94	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
90TL	99.6ci - 90HP	81-94	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
90TSL	99.6ci - 90HP	97-98	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
90TX	99.6ci - 90HP	94	10 Tooth United Tech System	UT	12	585057	PH130-0044	•

PROTORQUE - Outboard Starters & Components





# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>JOHNSON - continued</b>								
<b>ENGINES - MARINE OUTBOARD - continued</b>								
90TX	99.6ci - 90HP	93-94	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
90TX	99.6ci - 90HP	81-86	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
90TX	99.6ci - 90HP	81-86	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
90TXL	99.6ci - 90HP	82	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
90TXL	99.6ci - 90HP	82	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
90VL	105.4ci - 90HP	02-06	United Tech System	UT	12	586284	PH130-0027	
100 (Older Models)	99.6ci - 100HP	69-79	Prestolite System (Large Gear)	PS	12	MGL4008	PH130-0086	
100 (Older Models)	99.6ci - 100HP	69-79	Prestolite System (Small Gear)	PS	12	MKW4001	PH130-0044	•
100 (Older Models)	99.6ci - 100HP	69-79	United Tech System (Small Gear)	UT	12	389954	PH130-0044	•
100CTL	99.6ci - 100HP	87	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
100CTL	99.6ci - 100HP	87	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
100CWTX	99.6ci - 100HP	87	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
100CWTX	99.6ci - 100HP	87	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
100ML	99.6ci - 100HP	80	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
100ML	99.6ci - 100HP	80	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
100STL	99.6ci - 100HP	94-95	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
100STL	99.6ci - 100HP	89-94	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
100STL	99.6ci - 100HP	89-94	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
100TRL	99.6ci - 100HP	80	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
100TRL	99.6ci - 100HP	80	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
100TRX	99.6ci - 100HP	80	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
100TRX	99.6ci - 100HP	80	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
100WML	99.6ci - 100HP	85-86	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
100WML	99.6ci - 100HP	85-86	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
100WP	99.6ci - 100HP	99-01	United Tech System	UT	12	586284	PH130-0027	
100WQ	99.6ci - 100HP	98	United Tech System	UT	12	586284	PH130-0027	
100WT	99.6ci - 100HP	94-97	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
100WT	99.6ci - 100HP	85-94	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
100WT	99.6ci - 100HP	85-94	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
110ML	99.6ci - 110HP	86-89	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
110ML	99.6ci - 110HP	86-89	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
110TL	99.6ci - 110HP	86-89	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
110TL	99.6ci - 110HP	86-89	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
110TX	99.6ci - 110HP	87-89	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
110TX	99.6ci - 110HP	87-89	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
112TSL	99.6ci - 112HP	94-96	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
112TSX	99.6ci - 112HP	94-96	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
115 (Older Models)	99.6ci - 115HP	73-79	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
115 (Older Models)	99.6ci - 115HP	73-79	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
115EL	105.4ci - 115HP	98	United Tech System	UT	12	586284	PH130-0027	
115EL	105.4ci - 115HP	95-97	United Tech System	UT	12	584980	PH130-0027	
115FS	115HP	98	United Tech System	UT	12	586287	PH130-0032	
115FT	115HP	98	United Tech System	UT	12	586287	PH130-0032	
115GL	105.4ci - 115HP	03-06	United Tech System	UT	12	586284	PH130-0027	
115GL	105.4ci - 115HP	98	United Tech System	UT	12	586284	PH130-0027	
115GL	105.4ci - 115HP	95-97	United Tech System	UT	12	584980	PH130-0027	
115J JET	99.6ci - 115HP	94-97	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
115J JET	99.6ci - 115HP	91-93	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
115J JET	105.4ci - 115HP	98-01	United Tech System	UT	12	586284	PH130-0027	
115ML	99.6ci - 115HP	94-95	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
115ML	99.6ci - 115HP	90-94	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
115ML	99.6ci - 115HP	80-84	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
115ML	99.6ci - 115HP	80-84	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
115PL	105.4ci - 115HP	99-06	United Tech System	UT	12	586284	PH130-0027	
115PL4	115HP	03-06	Hitachi Starter	HI	12	5033799	PH130-0071	
115PX	105.4ci - 115HP	99-06	United Tech System	UT	12	586284	PH130-0027	
115PX4	115HP	03-06	Hitachi Starter	HI	12	5033799	PH130-0071	
115SL	105.4ci - 115HP	98	United Tech System	UT	12	586284	PH130-0027	
115SL	105.4ci - 115HP	95-97	United Tech System	UT	12	584980	PH130-0027	
115SP	105.4ci - 115HP	99-00	United Tech System	UT	12	586284	PH130-0027	
115SX	105.4ci - 115HP	98	United Tech System	UT	12	586284	PH130-0027	
115SX	105.4ci - 115HP	95-97	United Tech System	UT	12	584980	PH130-0027	
115TL	99.6ci - 115HP	94-96	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
115TL	99.6ci - 115HP	90-94	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
115TL	99.6ci - 115HP	80-84	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
115TL	99.6ci - 115HP	80-84	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
115TSL	99.6ci - 115HP	97-98	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
115TSX	99.6ci - 115HP	97-98	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
115TX	99.6ci - 115HP	94-96	10 Tooth United Tech System	UT	12	585057	PH130-0044	•
115TX	99.6ci - 115HP	90-94	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
115TX	99.6ci - 115HP	80-85	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044	•
115TX	99.6ci - 115HP	80-85	10 Tooth United Tech System	UT	12	389954	PH130-0044	•
115VL	105.4ci - 115HP	00-02	United Tech System	UT	12	586284	PH130-0027	
115VX	105.4ci - 115HP	00-02	United Tech System	UT	12	586284	PH130-0027	
115WP	105.4ci - 115HP	04-05	United Tech System	UT	12	586284	PH130-0027	
120TL	110.0ci - 120HP	85-87	10 Tooth United Tech System	UT	12	393570	PH130-0012	
120TL	122.0ci - 120HP	88-94	10 Tooth United Tech System	UT	12	393570	PH130-0012	

PROTORQUE - Outboard Starters & Components



# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
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## JOHNSON - continued

### ENGINES - MARINE OUTBOARD - continued

120TX	110.0ci - 120HP	85-87	10 Tooth United Tech System	UT	12	393570	PH130-0012
120TX	122.0ci - 120HP	88-94	10 Tooth United Tech System	UT	12	393570	PH130-0012
125 (Older Models)	110.0ci - 120HP	73-77	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
125 (Older Models)	110.0ci - 120HP	73-77	10 Tooth United Tech System	UT	12	389954	PH130-0044
130CX	122.0ci - 130HP	95-96	10 Tooth United Tech System	UT	12	585060	PH130-0012
130PL	122.0ci - 130HP	99-00	10 Tooth United Tech System	UT	12	586285	PH130-0012
130PX	122.0ci - 130HP	99-00	10 Tooth United Tech System	UT	12	586285	PH130-0012
130TL	122.0ci - 130HP	95-98	10 Tooth United Tech System	UT	12	585060	PH130-0012
130TX	122.0ci - 130HP	95-98	10 Tooth United Tech System	UT	12	585060	PH130-0012
130VX	122.0ci - 130HP	00	10 Tooth United Tech System	UT	12	586285	PH130-0012
135 (Older Models)	122.0ci - 135HP	73-77	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
135 (Older Models)	122.0ci - 135HP	73-77	10 Tooth United Tech System	UT	12	389954	PH130-0044
135PL	135HP	01	10 Tooth United Tech System	UT	12	586285	PH130-0012
135VL	135HP	01	10 Tooth United Tech System	UT	12	586285	PH130-0012
135VX	135HP	01	10 Tooth United Tech System	UT	12	586285	PH130-0012
140 (Older Models)	99.6ci - 140HP	73-79	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
140 (Older Models)	99.6ci - 140HP	73-79	10 Tooth United Tech System	UT	12	389954	PH130-0044
140CX	122.0ci - 140HP	88-94	10 Tooth United Tech System	UT	12	393570	PH130-0012
140ML	99.6ci - 140HP	80	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
140ML	99.6ci - 140HP	80	10 Tooth United Tech System	UT	12	389954	PH130-0044
140TL	99.6ci - 140HP	80-84	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
140TL	99.6ci - 140HP	80-84	10 Tooth United Tech System	UT	12	389954	PH130-0044
140TL	110.0ci - 140HP	85-87	10 Tooth United Tech System	UT	12	393570	PH130-0012
140TL	122.0ci - 140HP	88-94	10 Tooth United Tech System	UT	12	393570	PH130-0012
140TRL	99.6ci - 140HP	83	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
140TRL	99.6ci - 140HP	83	10 Tooth United Tech System	UT	12	389954	PH130-0044
140TRX	99.6ci - 140HP	83	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
140TRX	99.6ci - 140HP	83	10 Tooth United Tech System	UT	12	389954	PH130-0044
140TX	99.6ci - 140HP	80-84	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
140TX	99.6ci - 140HP	80-84	10 Tooth United Tech System	UT	12	389954	PH130-0044
140TX	110.0ci - 140HP	85-87	10 Tooth United Tech System	UT	12	393570	PH130-0012
140TX	122.0ci - 140HP	88-94	10 Tooth United Tech System	UT	12	393570	PH130-0012
140TXL	99.6ci - 140HP	82	10 Tooth Prestolite System	PS	12	MKW4001	PH130-0044
140TXL	99.6ci - 140HP	82	10 Tooth United Tech System	UT	12	389954	PH130-0044
150 (Older Models)	149.4ci - 150HP	77-79	8 Tooth Prestolite System	PS	12	387094	PH130-0039
150 (Older Models)	149.4ci - 150HP	77-79	8 Tooth United Tech System	UT	12	395207	PH130-0039
150CX	149.4ci - 150HP	88-91	8 Tooth Prestolite System	PS	12	387094	PH130-0039
150CX	149.4ci - 150HP	88-91	8 Tooth United Tech System	UT	12	395207	PH130-0039
150CX	158.0ci - 150HP	02-06	United Tech System	UT	12	586287	PH130-0032
150CX	158.0ci - 150HP	99-00	United Tech System	UT	12	586286	PH130-0018
150EL	158.0ci - 150HP	91-98	United Tech System	UT	12	432925	PH130-0018
150EX	158.0ci - 150HP	91-98	United Tech System	UT	12	432925	PH130-0018
150FCX	158.0ci - 150HP	98	United Tech System	UT	12	586287	PH130-0032
150FSL	158.0ci - 150HP	98	United Tech System	UT	12	586287	PH130-0032
150FXS	158.0ci - 150HP	98	United Tech System	UT	12	586287	PH130-0032
150GL	158.0ci - 150HP	03-06	United Tech System	UT	12	586287	PH130-0032
150GL	158.0ci - 150HP	91-98	United Tech System	UT	12	432925	PH130-0018
150IC	158.0ci - 150HP	97-98	United Tech System	UT	12	586287	PH130-0032
150IL	158.0ci - 150HP	97-98	United Tech System	UT	12	586287	PH130-0032
150IX	158.0ci - 150HP	97-98	United Tech System	UT	12	586287	PH130-0032
150J JET	149.4ci - 150HP	91	United Tech System	UT	12	432925	PH130-0018
150J JET	158.0ci - 150HP	99-01	United Tech System	UT	12	586287	PH130-0032
150J JET	158.0ci - 150HP	92	United Tech System	UT	12	432925	PH130-0018
150ML	158.0ci - 150HP	03-05	United Tech System	UT	12	586287	PH130-0032
150MX	158.0ci - 150HP	03-05	United Tech System	UT	12	586287	PH130-0032
150NX	158.0ci - 150HP	91-98	United Tech System	UT	12	432925	PH130-0018
150PL	158.0ci - 150HP	02-06	United Tech System	UT	12	586287	PH130-0032
150PL	158.0ci - 150HP	99-01	United Tech System	UT	12	586286	PH130-0018
150PX	158.0ci - 150HP	02-06	United Tech System	UT	12	586287	PH130-0032
150PX	158.0ci - 150HP	99-01	United Tech System	UT	12	586286	PH130-0018
150SL	158.0ci - 150HP	95-98	United Tech System	UT	12	432925	PH130-0018
150SP	158.0ci - 150HP	99-00	United Tech System	UT	12	586286	PH130-0018
150STL	149.4ci - 150HP	84-90	8 Tooth Prestolite System	PS	12	387094	PH130-0039
150STL	149.4ci - 150HP	84-90	8 Tooth United Tech System	UT	12	395207	PH130-0039
150STL	158.0ci - 150HP	91	United Tech System	UT	12	432925	PH130-0018
150TL	149.4ci - 150HP	80-91	8 Tooth Prestolite System	PS	12	387094	PH130-0039
150TL	149.4ci - 150HP	80-91	8 Tooth United Tech System	UT	12	395207	PH130-0039
150TRL	149.4ci - 150HP	83	8 Tooth Prestolite System	PS	12	387094	PH130-0039
150TRL	149.4ci - 150HP	83	8 Tooth United Tech System	UT	12	395207	PH130-0039
150TRX	149.4ci - 150HP	83	8 Tooth Prestolite System	PS	12	387094	PH130-0039
150TRX	149.4ci - 150HP	83	8 Tooth United Tech System	UT	12	395207	PH130-0039
150TX	149.4ci - 150HP	80-91	8 Tooth Prestolite System	PS	12	387094	PH130-0039
150TX	149.4ci - 150HP	80-91	8 Tooth United Tech System	UT	12	395207	PH130-0039
150VC	158.0ci - 150HP	00-01	United Tech System	UT	12	586286	PH130-0018
150VL	158.0ci - 150HP	02	United Tech System	UT	12	586287	PH130-0032
150VL	158.0ci - 150HP	00-01	United Tech System	UT	12	586286	PH130-0018
150VX	158.0ci - 150HP	00-01	United Tech System	UT	12	586286	PH130-0018

PROTORQUE - Outboard Starters & Components



# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>JOHNSON - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
150WP	158.0ci - 150HP	99-01	United Tech System	UT	12	586286	PH130-0018
150WTL	158.0ci - 150HP	93-95	United Tech System	UT	12	432925	PH130-0018
150WTX	158.0ci - 150HP	93-95	United Tech System	UT	12	432925	PH130-0018
155CTL	149.4ci - 155HP	87	8 Tooth Prestolite System	PS	12	387094	PH130-0039
155CTL	149.4ci - 155HP	87	8 Tooth United Tech System	UT	12	395207	PH130-0039
155CWTX	149.4ci - 155HP	87	8 Tooth Prestolite System	PS	12	387094	PH130-0039
155CWTX	149.4ci - 155HP	87	8 Tooth United Tech System	UT	12	395207	PH130-0039
155WTL	149.4ci - 155HP	90-92	8 Tooth Prestolite System	PS	12	387094	PH130-0039
155WTL	149.4ci - 155HP	90-92	8 Tooth United Tech System	UT	12	395207	PH130-0039
155WTL	149.4ci - 155HP	85-86	8 Tooth Prestolite System	PS	12	387094	PH130-0039
155WTL	149.4ci - 155HP	85-86	8 Tooth United Tech System	UT	12	395207	PH130-0039
155WTL	149.4ci - 155HP	88	8 Tooth Prestolite System	PS	12	387094	PH130-0039
155WTL	149.4ci - 155HP	88	8 Tooth United Tech System	UT	12	395207	PH130-0039
155WTLZ	149.4ci - 155HP	89	8 Tooth Prestolite System	PS	12	387094	PH130-0039
155WTLZ	149.4ci - 155HP	89	8 Tooth United Tech System	UT	12	395207	PH130-0039
155WTX	149.4ci - 155HP	90-92	8 Tooth Prestolite System	PS	12	387094	PH130-0039
155WTX	149.4ci - 155HP	90-92	8 Tooth United Tech System	UT	12	395207	PH130-0039
155WTX	149.4ci - 155HP	85-86	8 Tooth Prestolite System	PS	12	387094	PH130-0039
155WTX	149.4ci - 155HP	85-86	8 Tooth United Tech System	UT	12	395207	PH130-0039
155WTXM	149.4ci - 155HP	88	8 Tooth Prestolite System	PS	12	387094	PH130-0039
155WTXM	149.4ci - 155HP	88	8 Tooth United Tech System	UT	12	395207	PH130-0039
155WTXZ	149.4ci - 155HP	89	8 Tooth Prestolite System	PS	12	387094	PH130-0039
155WTXZ	149.4ci - 155HP	89	8 Tooth United Tech System	UT	12	395207	PH130-0039
175 (Older Models)	149.4ci - 175HP	77-79	8 Tooth Prestolite System	PS	12	387094	PH130-0039
175 (Older Models)	149.4ci - 175HP	77-79	8 Tooth United Tech System	UT	12	395207	PH130-0039
175CX	158.0ci - 175HP	02-05	United Tech System	UT	12	586287	PH130-0032
175CX	158.0ci - 175HP	99-00	United Tech System	UT	12	586286	PH130-0018
175EX	158.0ci - 175HP	91-98	United Tech System	UT	12	432925	PH130-0018
175FC	158.0ci - 175HP	98	United Tech System	UT	12	586287	PH130-0032
175FS	158.0ci - 175HP	98	United Tech System	UT	12	586287	PH130-0032
175FT	158.0ci - 175HP	98	United Tech System	UT	12	586287	PH130-0032
175GL	158.0ci - 175HP	03-06	United Tech System	UT	12	586287	PH130-0032
175GL	158.0ci - 175HP	91-98	United Tech System	UT	12	432925	PH130-0018
175MX	158.0ci - 175HP	03-06	United Tech System	UT	12	586287	PH130-0032
175NX	158.0ci - 175HP	91-98	United Tech System	UT	12	432925	PH130-0018
175PL	158.0ci - 175HP	02-06	United Tech System	UT	12	586287	PH130-0032
175PL	158.0ci - 175HP	99-00	United Tech System	UT	12	586286	PH130-0018
175PX	158.0ci - 175HP	02-06	United Tech System	UT	12	586287	PH130-0032
175PX	158.0ci - 175HP	99-00	United Tech System	UT	12	586286	PH130-0018
175SL	158.0ci - 175HP	94-98	United Tech System	UT	12	432925	PH130-0018
175SP	158.0ci - 175HP	99-00	United Tech System	UT	12	586286	PH130-0018
175STL	160.3ci - 175HP	90-91	8 Tooth Prestolite System	PS	12	387094	PH130-0039
175STL	160.3ci - 175HP	90-91	8 Tooth United Tech System	UT	12	395207	PH130-0039
175TL	149.4ci - 175HP	80-82	8 Tooth Prestolite System	PS	12	387094	PH130-0039
175TL	149.4ci - 175HP	80-82	8 Tooth United Tech System	UT	12	395207	PH130-0039
175TL	149.4ci - 175HP	80-82	8 Tooth Prestolite System	PS	12	387094	PH130-0039
175TL	149.4ci - 175HP	80-82	8 Tooth United Tech System	UT	12	395207	PH130-0039
175TRL	149.4ci - 175HP	83	8 Tooth Prestolite System	PS	12	387094	PH130-0039
175TRL	149.4ci - 175HP	83	8 Tooth United Tech System	UT	12	395207	PH130-0039
175TRX	149.4ci - 175HP	83	8 Tooth Prestolite System	PS	12	387094	PH130-0039
175TRX	149.4ci - 175HP	83	8 Tooth United Tech System	UT	12	395207	PH130-0039
175TX	149.4ci - 175HP	80-81	8 Tooth Prestolite System	PS	12	387094	PH130-0039
175TX	149.4ci - 175HP	80-81	8 Tooth United Tech System	UT	12	395207	PH130-0039
175TX	160.3ci - 175HP	86-91	8 Tooth Prestolite System	PS	12	387094	PH130-0039
175TX	160.3ci - 175HP	86-91	8 Tooth United Tech System	UT	12	395207	PH130-0039
175TXL	149.4ci - 175HP	82	8 Tooth Prestolite System	PS	12	387094	PH130-0039
175TXL	149.4ci - 175HP	82	8 Tooth United Tech System	UT	12	395207	PH130-0039
175VC	158.0ci - 175HP	00-01	United Tech System	UT	12	586286	PH130-0018
175VL	158.0ci - 175HP	02	United Tech System	UT	12	586287	PH130-0032
175VL	158.0ci - 175HP	00-01	United Tech System	UT	12	586286	PH130-0018
175VX	158.0ci - 175HP	00-01	United Tech System	UT	12	586286	PH130-0018
185E	185HP	93-94	United Tech System	UT	12	584799	PH130-0008
185E	185HP	89-92	United Tech System	UT	12	396235	PH130-0008
185TL	149.4ci - 185HP	84-85	8 Tooth Prestolite System	PS	12	387094	PH130-0039
185TL	149.4ci - 185HP	84-85	8 Tooth United Tech System	UT	12	395207	PH130-0039
185TX	149.4ci - 185HP	84-85	8 Tooth Prestolite System	PS	12	387094	PH130-0039
185TX	149.4ci - 185HP	84-85	8 Tooth United Tech System	UT	12	395207	PH130-0039
200 (Older Models)	149.4ci - 200HP	77-79	8 Tooth Prestolite System	PS	12	387094	PH130-0039
200 (Older Models)	149.4ci - 200HP	77-79	8 Tooth United Tech System	UT	12	395207	PH130-0039
200CX	183.0ci - 200HP	99-01	United Tech System	UT	12	586411	PH130-0008
200CX	183.0ci - 200HP	98	United Tech System	UT	12	586289	PH130-0008
200CX	183.0ci - 200HP	93-97	United Tech System	UT	12	584799	PH130-0008
200CX	183.0ci - 200HP	88-92	United Tech System	UT	12	396235	PH130-0008
200CZ	183.0ci - 200HP	93-95	United Tech System	UT	12	584799	PH130-0008
200PL	183.0ci - 200HP	99-01	United Tech System	UT	12	586411	PH130-0008
200PX	183.0ci - 200HP	99-00	United Tech System	UT	12	586411	PH130-0008
200SCL	183.0ci - 200HP	88-90	United Tech System	UT	12	391511	PH130-0008

PROTORQUE - Outboard Starters & Components



# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
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## JOHNSON - continued

### ENGINES - MARINE OUTBOARD - continued

200SL	183.0ci - 200HP	96	United Tech System	UT	12	391511	PH130-0008
200STL	160.3ci - 200HP	86	8 Tooth Prestolite System	PS	12	387094	PH130-0039
200STL	165.0ci - 200HP	87	8 Tooth United Tech System	UT	12	395207	PH130-0039
200STL	183.0ci - 200HP	98	United Tech System	UT	12	586289	PH130-0008
200STL	183.0ci - 200HP	93-97	United Tech System	UT	12	584799	PH130-0008
200STL	183.0ci - 200HP	88-92	United Tech System	UT	12	396235	PH130-0008
200TL	149.4ci - 200HP	80-82	8 Tooth Prestolite System	PS	12	387094	PH130-0039
200TL	149.4ci - 200HP	80-82	8 Tooth United Tech System	UT	12	395207	PH130-0039
200TL	183.0ci - 200HP	98	United Tech System	UT	12	586289	PH130-0008
200TRL	149.4ci - 200HP	83	8 Tooth Prestolite System	PS	12	387094	PH130-0039
200TRL	149.4ci - 200HP	83	8 Tooth United Tech System	UT	12	395207	PH130-0039
200TRX	149.4ci - 200HP	83	8 Tooth Prestolite System	PS	12	387094	PH130-0039
200TRX	149.4ci - 200HP	83	8 Tooth United Tech System	UT	12	395207	PH130-0039
200TX	149.4ci - 200HP	80-81	8 Tooth Prestolite System	PS	12	387094	PH130-0039
200TX	149.4ci - 200HP	80-81	8 Tooth United Tech System	UT	12	395207	PH130-0039
200TX	183.0ci - 200HP	98	United Tech System	UT	12	586289	PH130-0008
200TX	183.0ci - 200HP	93-97	United Tech System	UT	12	584799	PH130-0008
200TX	183.0ci - 200HP	88-92	United Tech System	UT	12	396235	PH130-0008
200TXL	149.4ci - 200HP	82	8 Tooth Prestolite System	PS	12	387094	PH130-0039
200TXL	149.4ci - 200HP	82	8 Tooth United Tech System	UT	12	395207	PH130-0039
200TZ	183.0ci - 200HP	93-95	United Tech System	UT	12	584799	PH130-0008
200VCX	183.0ci - 200HP	00-01	United Tech System	UT	12	586411	PH130-0008
200VL	183.0ci - 200HP	01	United Tech System	UT	12	586411	PH130-0008
200VX	183.0ci - 200HP	00-01	United Tech System	UT	12	586411	PH130-0008
200WPX	183.0ci - 200HP	99-01	United Tech System	UT	12	586411	PH130-0008
225 (Older Models)	160.3ci - 225HP	77-79	8 Tooth Prestolite System	PS	12	387094	PH130-0039
225 (Older Models)	160.3ci - 225HP	77-79	8 Tooth United Tech System	UT	12	395207	PH130-0039
225CL	165.0ci - 225HP	87	8 Tooth Prestolite System	PS	12	387094	PH130-0039
225CL	165.0ci - 225HP	87	8 Tooth United Tech System	UT	12	395207	PH130-0039
225CL	183.0ci - 225HP	88-90	United Tech System	UT	12	391511	PH130-0008
225CX	165.0ci - 225HP	87	8 Tooth Prestolite System	PS	12	387094	PH130-0039
225CX	165.0ci - 225HP	87	8 Tooth United Tech System	UT	12	395207	PH130-0039
225CX	183.0ci - 225HP	99-00	United Tech System	UT	12	586411	PH130-0008
225CX	183.0ci - 225HP	98	United Tech System	UT	12	586289	PH130-0008
225CX	183.0ci - 225HP	93-97	United Tech System	UT	12	584799	PH130-0008
225CX	183.0ci - 225HP	88-92	United Tech System	UT	12	396235	PH130-0008
225CZ	183.0ci - 225HP	98	United Tech System	UT	12	586289	PH130-0008
225CZ	183.0ci - 225HP	93-97	United Tech System	UT	12	584799	PH130-0008
225HGL	183.0ci - 225HP	00-01	United Tech System	UT	12	586411	PH130-0008
225HPL	183.0ci - 225HP	99-01	United Tech System	UT	12	586411	PH130-0008
225PL	165.0ci - 225HP	87	8 Tooth Prestolite System	PS	12	387094	PH130-0039
225PL	165.0ci - 225HP	87	8 Tooth United Tech System	UT	12	395207	PH130-0039
225PL	183.0ci - 225HP	99-01	United Tech System	UT	12	586411	PH130-0008
225PL	183.0ci - 225HP	93-94	United Tech System	UT	12	584799	PH130-0008
225PL	183.0ci - 225HP	88-92	United Tech System	UT	12	396235	PH130-0008
225PTL	160.3ci - 225HP	86	8 Tooth Prestolite System	PS	12	387094	PH130-0039
225PTL	160.3ci - 225HP	86	8 Tooth United Tech System	UT	12	395207	PH130-0039
225PTX	160.3ci - 225HP	86	8 Tooth Prestolite System	PS	12	387094	PH130-0039
225PTX	160.3ci - 225HP	86	8 Tooth United Tech System	UT	12	395207	PH130-0039
225PX	165.0ci - 225HP	87	8 Tooth Prestolite System	PS	12	387094	PH130-0039
225PX	165.0ci - 225HP	87	8 Tooth United Tech System	UT	12	395207	PH130-0039
225PX	183.0ci - 225HP	99-00	United Tech System	UT	12	586411	PH130-0008
225PX	183.0ci - 225HP	93-94	United Tech System	UT	12	584799	PH130-0008
225PX	183.0ci - 225HP	88-92	United Tech System	UT	12	396235	PH130-0008
225PZ	183.0ci - 225HP	93-95	United Tech System	UT	12	584799	PH130-0008
225STL	183.0ci - 225HP	98	United Tech System	UT	12	586289	PH130-0008
225STL	183.0ci - 225HP	93-97	United Tech System	UT	12	584799	PH130-0008
225TL	160.3ci - 225HP	86	8 Tooth Prestolite System	PS	12	387094	PH130-0039
225TL	160.3ci - 225HP	86	8 Tooth United Tech System	UT	12	395207	PH130-0039
225TL	165.0ci - 225HP	87	8 Tooth Prestolite System	PS	12	387094	PH130-0039
225TL	165.0ci - 225HP	87	8 Tooth United Tech System	UT	12	395207	PH130-0039
225TL	183.0ci - 225HP	93-94	United Tech System	UT	12	584799	PH130-0008
225TL	183.0ci - 225HP	88-92	United Tech System	UT	12	396235	PH130-0008
225TX	160.3ci - 225HP	86	8 Tooth Prestolite System	PS	12	387094	PH130-0039
225TX	160.3ci - 225HP	86	8 Tooth United Tech System	UT	12	395207	PH130-0039
225TX	165.0ci - 225HP	87	8 Tooth Prestolite System	PS	12	387094	PH130-0039
225TX	165.0ci - 225HP	87	8 Tooth United Tech System	UT	12	395207	PH130-0039
225TX	183.0ci - 225HP	98	United Tech System	UT	12	586289	PH130-0008
225TX	183.0ci - 225HP	93-97	United Tech System	UT	12	584799	PH130-0008
225TX	183.0ci - 225HP	88-92	United Tech System	UT	12	396235	PH130-0008
225TZ	183.0ci - 225HP	98	United Tech System	UT	12	586289	PH130-0008
225TZ	183.0ci - 225HP	93-97	United Tech System	UT	12	584799	PH130-0008
225VCX	183.0ci - 225HP	00-01	United Tech System	UT	12	586411	PH130-0008
225VL	183.0ci - 225HP	01	United Tech System	UT	12	586411	PH130-0008
225VX	183.0ci - 225HP	00-01	United Tech System	UT	12	586411	PH130-0008
235STL	160.3ci - 235HP	84-85	8 Tooth Prestolite System	PS	12	387094	PH130-0039
235STL	160.3ci - 235HP	84-85	8 Tooth United Tech System	UT	12	395207	PH130-0039

PROTORQUE - Outboard Starters & Components





# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>JOHNSON - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
235TL	160.3ci - 235HP	80-85	8 Tooth Prestolite System	PS	12	387094	PH130-0039
235TL	160.3ci - 235HP	80-85	8 Tooth United Tech System	UT	12	395207	PH130-0039
235TRL	160.3ci - 235HP	83	8 Tooth Prestolite System	PS	12	387094	PH130-0039
235TRL	160.3ci - 235HP	83	8 Tooth United Tech System	UT	12	395207	PH130-0039
235TRX	160.3ci - 235HP	83	8 Tooth Prestolite System	PS	12	387094	PH130-0039
235TRX	160.3ci - 235HP	83	8 Tooth United Tech System	UT	12	395207	PH130-0039
235TX	160.3ci - 235HP	80-85	8 Tooth Prestolite System	PS	12	387094	PH130-0039
235TX	160.3ci - 235HP	80-85	8 Tooth United Tech System	UT	12	395207	PH130-0039
235TXL	160.3ci - 235HP	82	8 Tooth Prestolite System	PS	12	387094	PH130-0039
235TXL	160.3ci - 235HP	82	8 Tooth United Tech System	UT	12	395207	PH130-0039
250CX	244.0ci - 250HP	99-00	United Tech System	UT	12	586411	PH130-0008
250CX	244.0ci - 250HP	98	United Tech System	UT	12	586289	PH130-0008
250CX	244.0ci - 250HP	93-97	United Tech System	UT	12	584799	PH130-0008
250CX	244.0ci - 250HP	91-92	United Tech System	UT	12	396235	PH130-0008
250CZ	244.0ci - 250HP	99-00	United Tech System	UT	12	586411	PH130-0008
250CZ	244.0ci - 250HP	98	United Tech System	UT	12	586289	PH130-0008
250CZ	244.0ci - 250HP	93-95	United Tech System	UT	12	584799	PH130-0008
250CZ	244.0ci - 250HP	92	United Tech System	UT	12	396235	PH130-0008
250PX	244.0ci - 250HP	99-00	United Tech System	UT	12	391511	PH130-0008
250PZ	244.0ci - 250HP	99-00	United Tech System	UT	12	391511	PH130-0008
250TX	244.0ci - 250HP	93-97	United Tech System	UT	12	584799	PH130-0008
250TX	244.0ci - 250HP	91-92	United Tech System	UT	12	396235	PH130-0008
250TZ	244.0ci - 250HP	93-95	United Tech System	UT	12	391511	PH130-0008
275CL	220.0ci - 275HP	87	United Tech System	UT	12	391511	PH130-0008
275CL	244.0ci - 275HP	88	United Tech System	UT	12	391511	PH130-0008
275CX	220.0ci - 275HP	87	United Tech System	UT	12	391511	PH130-0008
275CX	244.0ci - 275HP	88	United Tech System	UT	12	391511	PH130-0008
275PL	220.0ci - 275HP	87	United Tech System	UT	12	391511	PH130-0008
275PL	244.0ci - 275HP	88	United Tech System	UT	12	391511	PH130-0008
275PTL	220.0ci - 275HP	86	United Tech System	UT	12	391511	PH130-0008
275PTX	220.0ci - 275HP	86	United Tech System	UT	12	391511	PH130-0008
275PX	220.0ci - 275HP	87	United Tech System	UT	12	391511	PH130-0008
275PX	244.0ci - 275HP	88	United Tech System	UT	12	391511	PH130-0008
275TL	220.0ci - 275HP	85	United Tech System	UT	12	391511	PH130-0008
275TX	220.0ci - 275HP	85	United Tech System	UT	12	391511	PH130-0008
300CL	220.0ci - 300HP	87	United Tech System	UT	12	391511	PH130-0008
300CX	220.0ci - 300HP	87	United Tech System	UT	12	391511	PH130-0008
300CX	244.0ci - 300HP	93-95	United Tech System	UT	12	584799	PH130-0008
300CX	244.0ci - 300HP	88-92	United Tech System	UT	12	396235	PH130-0008
300PL	220.0ci - 300HP	87	United Tech System	UT	12	391511	PH130-0008
300PL	244.0ci - 300HP	93-95	United Tech System	UT	12	584799	PH130-0008
300PL	244.0ci - 300HP	88-92	United Tech System	UT	12	396235	PH130-0008
300PTL	220.0ci - 300HP	86	United Tech System	UT	12	391511	PH130-0008
300PX	220.0ci - 300HP	87	United Tech System	UT	12	391511	PH130-0008
300PX	244.0ci - 300HP	93-95	United Tech System	UT	12	584799	PH130-0008
300PX	244.0ci - 300HP	88-92	United Tech System	UT	12	396235	PH130-0008
300TL	220.0ci - 300HP	85	United Tech System	UT	12	391511	PH130-0008

## MARINER

<b>ENGINES - MARINE OUTBOARD</b>							
8HP	12.8ci - 8.0HP	86-94	All	UT	12	50-90983A1	PH130-0021
8HP Bodensee	19.7ci - 8.0HP	99-01	Serial 0P086824-On	UT	12	50-859168T	PH130-0034
8HP Bodensee	19.7ci - 8.0HP	95-98	Serial 0H000058-On	UT	12	825991A-2	PH130-0014
9.9E	12.8ci - 9.9HP	87	All	UT	12	50-90983A1	PH130-0021
9.9EH	12.8ci - 9.9HP	88	All	UT	12	50-90983A1	PH130-0021
9.9EL	12.8ci - 9.9HP	87-89	All	UT	12	50-90983A1	PH130-0021
9.9EL 4-STROKE	14.2ci - 9.9HP	95-98	All	UT	12	825991A-2	PH130-0014
9.9EL 4-STROKE	19.7ci - 9.9HP	99-01	Nut Design	UT	12	50-859168T	PH130-0034
9.9EL 4-STROKE	19.7ci - 9.9HP	99-01	Retaining Ring Design	UT	12	50-852570T	PH130-0034
9.9EL B/F 4-STROKE	19.7ci - 9.9HP	99-01	Nut Design	UT	12	50-859168T	PH130-0034
9.9EL B/F 4-STROKE	19.7ci - 9.9HP	99-01	Retaining Ring Design	UT	12	50-852570T	PH130-0034
9.9ELH B/F 4-STROKE	19.7ci - 9.9HP	99-01	Nut Design	UT	12	50-859168T	PH130-0034
9.9ELH B/F 4-STROKE	19.7ci - 9.9HP	99-01	Retaining Ring Design	UT	12	50-852570T	PH130-0034
9.9ELRC	12.8ci - 9.9HP	90-94	All	UT	12	50-90983A1	PH130-0021
9.9ELRC	16.0ci - 9.9HP	99-00	All	UT	12	50-90983T1	PH130-0021
9.9ELRC	16.0ci - 9.9HP	95-98	All	UT	12	50-90983A1	PH130-0021
9.9EXLH Sail 4-STROKE	19.7ci - 9.9HP	99-01	Nut Design	UT	12	50-859168T	PH130-0034
9.9EXLH Sail 4-STROKE	19.7ci - 9.9HP	99-01	Retaining Ring Design	UT	12	50-852570T	PH130-0034
15E 4-STROKE	19.7ci - 15HP	99-01	Nut Design	UT	12	50-859168T	PH130-0034
15E 4-STROKE	19.7ci - 15HP	99-01	Retaining Ring Design	UT	12	50-852570T	PH130-0034
15E 4-STROKE	19.7ci - 15HP	98	All	UT	12	50-852570	PH130-0034
15EH	16.0ci - 15HP	99-01	All	UT	12	50-90983T1	PH130-0021
15EH	16.0ci - 15HP	92-98	All	UT	12	50-90983A1	PH130-0021
15EH 4-STROKE	19.7ci - 15HP	99-01	Nut Design	UT	12	50-859168T	PH130-0034
15EH 4-STROKE	19.7ci - 15HP	99-01	Retaining Ring Design	UT	12	50-852570T	PH130-0034
15EL	16.0ci - 15HP	99-01	All	UT	12	50-90983T1	PH130-0021

PROTORQUE - Outboard Starters & Components



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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

**PROTORQUE - Outboard Starters & Components**

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MARINER - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
15EL	16.0ci - 15HP	92-98	All	UT	12	50-90983A1	PH130-0021
15EL 4-STROKE	19.7ci - 15HP	99-01	Nut Design	UT	12	50-859168T	PH130-0034
15EL 4-STROKE	19.7ci - 15HP	99-01	Retaining Ring Design	UT	12	50-852570T	PH130-0034
15EL 4-STROKE	19.7ci - 15HP	98	All	UT	12	50-852570	PH130-0034
15EL B/F 4-STROKE	16.0ci - 15HP	98	All	UT	12	50-852570	PH130-0034
15EL B/F 4-STROKE	19.7ci - 15HP	99-01	Nut Design	UT	12	50-859168T	PH130-0034
15EL B/F 4-STROKE	19.7ci - 15HP	99-01	Retaining Ring Design	UT	12	50-852570T	PH130-0034
15ELH	16.0ci - 15HP	99-01	All	UT	12	50-90983T1	PH130-0021
15ELH	16.0ci - 15HP	92-98	All	UT	12	50-90983A1	PH130-0021
15ELH 4-STROKE	19.7ci - 15HP	99-01	Nut Design	UT	12	50-859168T	PH130-0034
15ELH 4-STROKE	19.7ci - 15HP	99-01	Retaining Ring Design	UT	12	50-852570T	PH130-0034
15ELH 4-STROKE	19.7ci - 15HP	98	All	UT	12	50-852570	PH130-0034
20E	24.4ci - 20HP	84-87	All	UT	12	50-90983A1	PH130-0021
20EH	24.4ci - 20HP	97-98	All	UT	12	50-90983A1	PH130-0021
20EH	24.4ci - 20HP	88	All	UT	12	50-90983A1	PH130-0021
20EL	24.4ci - 20HP	84-98	All	UT	12	50-90983A1	PH130-0021
25E	24.4ci - 25HP	99-01	All	UT	12	50-90983T1	PH130-0021
25E	24.4ci - 25HP	92-98	All	UT	12	50-90983A1	PH130-0021
25E	24.4ci - 25HP	85-89	All	UT	12	50-90983A1	PH130-0021
25E	26.2ci - 25HP	80-84	Serial 00000000-00009375	UT	12	50-96359M	PH130-0049
25E	26.2ci - 25HP	80-84	Serial 00009376-On	UT	12	50-97693M	PH130-0049
25E B/F 4-STROKE	30.4ci - 25HP	99-01	Nut Design	UT	12	50-859169T	PH130-0029
25E B/F 4-STROKE	30.4ci - 25HP	99-01	Retaining Ring Design	UT	12	50-830308T	PH130-0029
25E B/F 4-STROKE	30.4ci - 25HP	98	All	UT	12	50-830308-1	PH130-0029
25EH	24.4ci - 25HP	99-01	All	UT	12	50-90983T1	PH130-0021
25EH	24.4ci - 25HP	92-98	All	UT	12	50-90983A1	PH130-0021
25EH B/F 4-STROKE	30.4ci - 25HP	99-01	Nut Design	UT	12	50-859169T	PH130-0029
25EH B/F 4-STROKE	30.4ci - 25HP	99-01	Retaining Ring Design	UT	12	50-830308T	PH130-0029
25EH B/F 4-STROKE	30.4ci - 25HP	98	All	UT	12	50-830308-1	PH130-0029
25EL	24.4ci - 25HP	99-01	All	UT	12	50-90983T1	PH130-0021
25EL	24.4ci - 25HP	85-98	All	UT	12	50-90983A1	PH130-0021
25EL	26.2ci - 25HP	80-84	Serial 00000000-00009375	UT	12	50-96359M	PH130-0049
25EL	26.2ci - 25HP	80-84	Serial 00009376-On	UT	12	50-97693M	PH130-0049
25EL B/F 4-STROKE	30.4ci - 25HP	99-01	Nut Design	UT	12	50-859169T	PH130-0029
25EL B/F 4-STROKE	30.4ci - 25HP	99-01	Retaining Ring Design	UT	12	50-830308T	PH130-0029
25EL B/F 4-STROKE	30.4ci - 25HP	98	All	UT	12	50-830308-1	PH130-0029
25ELH	24.4ci - 25HP	99-01	All	UT	12	50-90983T1	PH130-0021
25ELH	24.4ci - 25HP	87-98	All	UT	12	50-90983A1	PH130-0021
25ELH B/F 4-STROKE	30.4ci - 25HP	99-01	Nut Design	UT	12	50-859169T	PH130-0029
25ELH B/F 4-STROKE	30.4ci - 25HP	99-01	Retaining Ring Design	UT	12	50-830308T	PH130-0029
25ELH B/F 4-STROKE	30.4ci - 25HP	98	All	UT	12	50-830308-1	PH130-0029
25ELPT B/F 4-STROKE	30.4ci - 25HP	99-01	Nut Design	UT	12	50-859169T	PH130-0029
25ELPT B/F 4-STROKE	30.4ci - 25HP	99-01	Retaining Ring Design	UT	12	50-830308T	PH130-0029
25ELPT B/F 4-STROKE	30.4ci - 25HP	98	All	UT	12	50-830308-1	PH130-0029
30E	30.3ci - 30HP	85-86	All	HI	12	50-97693M	PH130-0049
30E	30.3ci - 30HP	80-84	Serial 00101516-00104275	HI	12	50-96359M	PH130-0049
30E	45.6ci - 30HP	80-84	Serial 00104276-On	HI	12	50-97693M	PH130-0049
30E 4-STROKE	45.6ci - 30HP	99-01	Nut Design	UT	12	50-859170T	PH130-0028
30E 4-STROKE	39.3ci - 30HP	99-01	Retaining Ring Design	UT	12	50-854636T	PH130-0028
30EHO	39.3ci - 30HP	00	All	UT	12	50-822462-1	PH130-0024
30EHO	39.3ci - 30HP	98-99	Match OE 50-822462	UT	12	50-822462	PH130-0024
30EHO	39.3ci - 30HP	98-99	Match OE 50-822462-1	UT	12	50-822462-1	PH130-0024
30EHO	39.3ci - 30HP	95-97		UT	12	50-822462	PH130-0024
30EL	30.3ci - 30HP	85-86	All	HI	12	50-97693M	PH130-0049
30EL	30.3ci - 30HP	80-84	Serial 00101516-00104275	HI	12	50-96359M	PH130-0049
30EL	30.3ci - 30HP	80-84	Serial 00104276-On	HI	12	50-97693M	PH130-0049
30EL 4-STROKE	45.6ci - 30HP	99-01	Nut Design	UT	12	50-859170T	PH130-0028
30EL 4-STROKE	45.6ci - 30HP	99-01	Retaining Ring Design	UT	12	50-854636T	PH130-0028
30ELH 4-STROKE	45.6ci - 30HP	99-01	Nut Design	UT	12	50-859170T	PH130-0028
30ELH 4-STROKE	45.6ci - 30HP	99-01	Retaining Ring Design	UT	12	50-854636T	PH130-0028
30ELHO	39.3ci - 30HP	00	All	UT	12	50-822462-1	PH130-0024
30ELHO	39.3ci - 30HP	98-99	Match OE 50-822462	UT	12	50-822462	PH130-0024
30ELHO	39.3ci - 30HP	98-99	Match OE 50-822462-1	UT	12	50-822462-1	PH130-0024
30ELHO	39.3ci - 30HP	95-97		UT	12	50-822462	PH130-0024
30ELO	30.3ci - 30HP	87-89	All	HI	12	50-97693M	PH130-0049
30ELO	39.3ci - 30HP	00	All	UT	12	50-822462-1	PH130-0024
30ELO	39.3ci - 30HP	98-99	Match OE 50-822462	UT	12	50-822462	PH130-0024
30ELO	39.3ci - 30HP	98-99	Match OE 50-822462-1	UT	12	50-822462-1	PH130-0024
30ELO	39.3ci - 30HP	94-97		UT	12	50-822462	PH130-0024
30ELPT 4-STROKE	45.6ci - 30HP	99-01	Nut Design	UT	12	50-859170T	PH130-0028
30ELPT 4-STROKE	45.6ci - 30HP	99-01	Retaining Ring Design	UT	12	50-854636T	PH130-0028
30ELPTO	39.3ci - 30HP	00-01	All	UT	12	50-822462-1	PH130-0024
30ELPTO	39.3ci - 30HP	98-99	Match OE 50-822462	UT	12	50-822462	PH130-0024
30ELPTO	39.3ci - 30HP	98-99	Match OE 50-822462-1	UT	12	50-822462-1	PH130-0024
30ELPTO	39.3ci - 30HP	95-97		UT	12	50-822462	PH130-0024
30EO	30.3ci - 30HP	87-90	All	HI	12	50-97693M	PH130-0049
30EO	39.3ci - 30HP	00	All	UT	12	50-588462-1	PH130-0024



# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MARINER - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
30EO	39.3ci - 30HP	98-99	Match OE 50-822462	UT	12	50-822462	PH130-0024
30EO	39.3ci - 30HP	98-99	Match OE 50-822462-1	UT	12	50-822462-1	PH130-0024
30EO	39.3ci - 30HP	94-97		UT	12	50-822462	PH130-0024
40E	36.1ci - 40HP	81-85	All	HI	12	50-97693M	PH130-0049
40E	36.1ci - 40HP	79-80	All	HI	12	50-92669M	PH130-0007
40E	36.1ci - 40HP	78	Solenoid Varies	HI	12	50-81490M	PH130-0007
40E	36.1ci - 40HP	78	Solenoid Varies	HI	12	50-92669M	PH130-0007
40E 4-STROKE	45.6ci - 40HP	99-01	Nut Design	UT	12	50-859170T	PH130-0028
40E 4-STROKE	45.6ci - 40HP	99-01	Retaining Ring Design	UT	12	50-854636T	PH130-0028
40EL	36.1ci - 40HP	81-85	All	HI	12	50-97693M	PH130-0049
40EL	36.1ci - 40HP	79-80	All	HI	12	50-92669M	PH130-0007
40EL	36.1ci - 40HP	78	Solenoid Varies	HI	12	50-81490M	PH130-0007
40EL	36.1ci - 40HP	78	Solenoid Varies	HI	12	50-92669M	PH130-0007
40EL 4-STROKE	45.6ci - 40HP	99-01	Nut Design	UT	12	50-859170T	PH130-0028
40EL 4-STROKE	45.6ci - 40HP	99-01	Retaining Ring Design	UT	12	50-854636T	PH130-0028
40ELH 4-STROKE	45.6ci - 40HP	00-01	Nut Design	UT	12	50-859170T	PH130-0028
40ELH 4-STROKE	45.6ci - 40HP	00-01	Retaining Ring Design	UT	12	50-854636T	PH130-0028
40ELHPT 4-STROKE	45.6ci - 40HP	99-01	Nut Design	UT	12	50-859170T	PH130-0028
40ELHPT 4-STROKE	45.6ci - 40HP	99-01	Retaining Ring Design	UT	12	50-854636T	PH130-0028
40ELHPTO	36.1ci - 40HP	89	All	UT	12	50-73521	PH130-0011
40ELHPTO	36.1ci - 40HP	86-88	All	HI	12	50-97693M	PH130-0049
40ELHPTO	43.9ci - 40HP	97	Model 7040xxx	UT	12	50-73521	PH130-0011
40ELHPTO	43.9ci - 40HP	97	Model 7043xxx	UT	12	50-822462	PH130-0024
40ELHPTO	59.0ci - 40HP	00-01	All	UT	12	50-822462-1	PH130-0024
40ELHPTO	59.0ci - 40HP	99	Model 7043xxx	UT	12	50-822462-1	PH130-0024
40ELHPTO	59.0ci - 40HP	98	Model 7043xxx	UT	12	50-822462	PH130-0024
40ELHPTO Magnum	43.9ci - 40HP	90-96	All	UT	12	50-73521	PH130-0011
40ELO	36.1ci - 40HP	90	All	UT	12	50-73521	PH130-0011
40ELO	36.1ci - 40HP	86-89	All	HI	12	50-97693M	PH130-0049
40ELO	43.9ci - 40HP	97	Model 7040xxx	UT	12	50-73521	PH130-0011
40ELO	43.9ci - 40HP	97	Model 7041xxx	UT	12	50-822462	PH130-0024
40ELO	43.9ci - 40HP	97	Model 7043xxx	UT	12	50-822462	PH130-0024
40ELO	59.0ci - 40HP	00-01	All	UT	12	50-822462-1	PH130-0024
40ELO	59.0ci - 40HP	99	Model 7041xxx OE 50-822462	UT	12	50-822462	PH130-0024
40ELO	59.0ci - 40HP	99	Model 7041xxx OE 50-822462-1	UT	12	50-822462-1	PH130-0024
40ELO	59.0ci - 40HP	99	Model 7043xxx OE 50-822462-1	UT	12	50-822462-1	PH130-0024
40ELO	59.0ci - 40HP	98	Model 7041xxx	UT	12	50-822462	PH130-0024
40ELO	59.0ci - 40HP	98	Model 7043xxx	UT	12	50-822462	PH130-0024
40ELO Magnum	43.9ci - 40HP	91-96	All	UT	12	50-73521	PH130-0011
40ELPT 4-Stroke	45.6ci - 40HP	99-01	Nut Design	UT	12	50-859170T	PH130-0028
40ELPT 4-Stroke	45.6ci - 40HP	99-01	Retaining Ring Design	UT	12	50-854636T	PH130-0028
40ELPT B/F 4-Stroke	45.6ci - 40HP	99-01	Nut Design	UT	12	50-859170T	PH130-0028
40ELPT B/F 4-Stroke	45.6ci - 40HP	99-01	Retaining Ring Design	UT	12	50-854636T	PH130-0028
40ELPTO	36.1ci - 40HP	89	All	UT	12	50-73521	PH130-0011
40ELPTO	36.1ci - 40HP	86-88	All	HI	12	50-97693M	PH130-0049
40ELPTO	43.9ci - 40HP	97	Model 7040xxx	UT	12	50-73521	PH130-0011
40ELPTO	43.9ci - 40HP	97	Model 7041xxx	UT	12	50-822462	PH130-0024
40ELPTO	43.9ci - 40HP	97	Model 7043xxx	UT	12	50-822462	PH130-0024
40ELPTO	59.0ci - 40HP	00-01	All	UT	12	50-822462-1	PH130-0024
40ELPTO	59.0ci - 40HP	99	Model 7041xxx OE 50-822462	UT	12	50-822462	PH130-0024
40ELPTO	59.0ci - 40HP	99	Model 7041xxx OE 50-822462-1	UT	12	50-822462-1	PH130-0024
40ELPTO	59.0ci - 40HP	99	Model 7043xxx OE 50-822462-1	UT	12	50-822462-1	PH130-0024
40ELPTO	59.0ci - 40HP	98	Model 7041xxx	UT	12	50-822462	PH130-0024
40ELPTO	59.0ci - 40HP	98	Model 7043xxx	UT	12	50-822462	PH130-0024
40ELPTO Magnum	43.9ci - 40HP	90-96	All	UT	12	50-73521	PH130-0011
40EO	36.1ci - 40HP	90	All	UT	12	50-73521	PH130-0011
40EO	36.1ci - 40HP	86-89	All	HI	12	50-97693M	PH130-0049
40EO	43.9ci - 40HP	97	Model 7040xxx	UT	12	50-73521	PH130-0011
40EO	43.9ci - 40HP	97	Model 7041xxx	UT	12	50-822462	PH130-0024
40EO	43.9ci - 40HP	97	Model 7043xxx	UT	12	50-822462	PH130-0024
40EO	59.0ci - 40HP	00-01	All	UT	12	50-822462-1	PH130-0024
40EO	59.0ci - 40HP	99	Model 7041xxx OE 50-822462	UT	12	50-822462	PH130-0024
40EO	59.0ci - 40HP	99	Model 7041xxx OE 50-822462-1	UT	12	50-822462-1	PH130-0024
40EO	59.0ci - 40HP	99	Model 7043xxx OE 50-822462-1	UT	12	50-822462-1	PH130-0024
40EO	59.0ci - 40HP	98	Model 7041xxx	UT	12	50-822462	PH130-0024
40EO	59.0ci - 40HP	98	Model 7043xxx	UT	12	50-822462	PH130-0024
40EO Jet 30	43.9ci - 40HP	97	Model 7040xxx	UT	12	50-73521	PH130-0011
40EO Jet 30	43.9ci - 40HP	97	Model 7043xxx	UT	12	50-822462	PH130-0024
40EO Jet 30	43.9ci - 40HP	95-96	All	UT	12	50-73521	PH130-0011
40EO Jet 30	59.0ci - 40HP	00-01	All	UT	12	50-822462-1	PH130-0024
40EO Jet 30	59.0ci - 40HP	99	Model 7043xxx	UT	12	50-822462-1	PH130-0024
40EO Jet 30	59.0ci - 40HP	98	Model 7043xxx	UT	12	50-822462	PH130-0024
40EO Magnum	43.9ci - 40HP	92-96	All	UT	12	50-73521	PH130-0011
45ELHO	43.9ci - 45HP	86-88	All	UT	12	50-73521	PH130-0011
45ELHPTO	43.9ci - 45HP	88	All	UT	12	50-73521	PH130-0011
45ELO	43.9ci - 45HP	86-89	All	UT	12	50-73521	PH130-0011
45ELPTO	43.9ci - 45HP	86-89	All	UT	12	50-73521	PH130-0011

PROTORQUE - Outboard Starters & Components



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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

PROTORQUE - Outboard Starters & Components

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MARINER - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
50E	43.9ci - 50HP	80-84	All	UT	12	50-73521	PH130-0011
50EL	43.9ci - 50HP	80-85	All	UT	12	50-73521	PH130-0011
50EL 4-Stroke	57.0ci - 50HP	98	From Serial# 0G472133-On	UT	12	50-834749	PH130-0081
50EL B/F 4-Stroke	57.0ci - 50HP	01	All	UT	12	50-884044T	PH130-0033
50EL B/F 4-Stroke	57.0ci - 50HP	99-00	All	UT	12	50-834749	PH130-0081
50ELH	43.9ci - 50HP	80-85	All	UT	12	50-73521	PH130-0011
50ELHPT 4-Stroke	57.0ci - 50HP	01	All	UT	12	50-884044T	PH130-0033
50ELHPT 4-Stroke	57.0ci - 50HP	99-00	All	UT	12	50-834749	PH130-0081
50ELHPT 4-Stroke	57.0ci - 50HP	95-98	From Serial# 0G472133-On	UT	12	50-834749	PH130-0081
50ELHPTO	51.8ci - 50HP	92-97	All	UT	12	50-44369A1	PH130-0015
50ELHPTO	59.0ci - 50HP	99-01	All	UT	12	50-822462-1	PH130-0024
50ELHPTO	59.0ci - 50HP	98	All	UT	12	50-822462	PH130-0024
50ELO	49.8ci - 50HP	87-90	All	UT	12	50-44369A1	PH130-0015
50ELO	49.8ci - 50HP	86	Match OE 4820140M030SM	UT	12	50-65436	PH130-0041
50ELO	49.8ci - 50HP	86	Match OE 4820240M030SM	UT	12	50-73521	PH130-0011
50ELO	49.8ci - 50HP	86	Match OE 4820340M030SM	UT	12	50-44369A1	PH130-0015
50ELO	51.8ci - 50HP	91-97	All	UT	12	50-44369A1	PH130-0015
50ELO	59.0ci - 50HP	99-01	All	UT	12	50-822462-1	PH130-0024
50ELO	59.0ci - 50HP	98	All	UT	12	50-822462	PH130-0024
50ELPT	43.9ci - 50HP	80-85	All	UT	12	50-73521	PH130-0011
50ELPT 4-Stroke	57.0ci - 50HP	01	All	UT	12	50-884044T	PH130-0033
50ELPT 4-Stroke	57.0ci - 50HP	99-00	All	UT	12	50-834749	PH130-0081
50ELPT 4-Stroke	57.0ci - 50HP	95-98	From Serial# 0G472133-On	UT	12	50-834749	PH130-0081
50ELPT B/F 4-Stroke	57.0ci - 50HP	01	All	UT	12	50-884044T	PH130-0033
50ELPT B/F 4-Stroke	57.0ci - 50HP	99-00	All	UT	12	50-834749	PH130-0081
50ELPT B/F 4-Stroke	57.0ci - 50HP	98	From Serial# 0G472133-On	UT	12	50-834749	PH130-0081
50ELPT B/F 4-Stroke	57.0ci - 50HP	01	All	UT	12	50-884044T	PH130-0033
50ELPT EFI 5-Stroke	57.0ci - 50HP	01	All	UT	12	50-884044T	PH130-0033
50ELPTO	49.8ci - 50HP	87-90	All	UT	12	50-44369A1	PH130-0015
50ELPTO	49.8ci - 50HP	86	Match OE 4820140M030SM	UT	12	50-65436	PH130-0041
50ELPTO	49.8ci - 50HP	86	Match OE 4820240M030SM	UT	12	50-73521	PH130-0011
50ELPTO	49.8ci - 50HP	86	Match OE 4820340M030SM	UT	12	50-44369A1	PH130-0015
50ELPTO	51.8ci - 50HP	91-97	All	UT	12	50-44369A1	PH130-0015
50ELPTO	59.0ci - 50HP	99-01	All	UT	12	50-822462-1	PH130-0024
50ELPTO	59.0ci - 50HP	98	All	UT	12	50-822462	PH130-0024
50EO	51.8ci - 50HP	92-94	All	UT	12	50-44369A1	PH130-0015
50EO	59.0ci - 50HP	99-01	All	UT	12	50-822462-1	PH130-0024
55E	55HP	84-85	All	UT	12	50-97072M	PH130-0007
60EL	49.8ci - 60HP	84-85	Match OE 4820140M030SM	UT	12	50-65436	PH130-0041
60EL	49.8ci - 60HP	84-85	Match OE 4820340M030SM	UT	12	50-44369A1	PH130-0015
60EL	49.8ci - 60HP	80-83	All	UT	12	50-97072M	PH130-0007
60EL	49.8ci - 60HP	78-79	All	UT	12	50-81490M	PH130-0007
60ELHPT 4-Stroke	57.0ci - 60HP	01	All	UT	12	50-884044T	PH130-0033
60ELHPTO	51.8ci - 60HP	92-97	All	UT	12	50-44369A1	PH130-0015
60ELHPTO	59.0ci - 60HP	99-00	All	UT	12	50-822462-T1	PH130-0024
60ELHPTO	59.0ci - 60HP	98	All	UT	12	50-822462	PH130-0024
60ELO	49.8ci - 60HP	87-90	All	UT	12	50-44369A1	PH130-0015
60ELO	49.8ci - 60HP	86	Match OE 4820140M030SM	UT	12	50-65436	PH130-0041
60ELO	49.8ci - 60HP	86	Match OE 4820340M030SM	UT	12	50-44369A1	PH130-0015
60ELO	51.8ci - 60HP	91-97	All	UT	12	50-44369A1	PH130-0015
60ELO	59.0ci - 60HP	99-00	All	UT	12	50-822462-T1	PH130-0024
60ELO	59.0ci - 60HP	98	All	UT	12	50-822462	PH130-0024
60ELPT	49.8ci - 60HP	84-85	Match OE 4820140M030SM	UT	12	50-65436	PH130-0041
60ELPT	49.8ci - 60HP	84-85	Match OE 4820340M030SM	UT	12	50-44369A1	PH130-0015
60ELPT 4-Stroke	57.0ci - 60HP	01	All	UT	12	50-884044T	PH130-0033
60ELPT B/F 4-Stroke	57.0ci - 60HP	01	All	UT	12	50-884044T	PH130-0033
60ELPT EFI 4-Stroke	57.0ci - 60HP	01	All	UT	12	50-884044T	PH130-0033
60ELPTO	49.8ci - 60HP	87-90	All	UT	12	50-44369A1	PH130-0015
60ELPTO	49.8ci - 60HP	86	Match OE 4820140M030SM	UT	12	50-65436	PH130-0041
60ELPTO	49.8ci - 60HP	86	Match OE 4820340M030SM	UT	12	50-44369A1	PH130-0015
60ELPTO	51.8ci - 60HP	91-97	All	UT	12	50-44369A1	PH130-0015
60ELPTO	59.0ci - 60HP	99-01	All	UT	12	50-822462-T1	PH130-0024
60ELPTO	59.0ci - 60HP	98	All	UT	12	50-822462	PH130-0024
60ELPTO Big Foot	51.8ci - 60HP	95-97	All	UT	12	50-44369A1	PH130-0015
60ELPTO Big Foot	59.0ci - 60HP	99-00	All	UT	12	50-822462-T1	PH130-0024
60ELPTO Big Foot	59.0ci - 60HP	98	All	UT	12	50-822462	PH130-0024
60EO	51.8ci - 60HP	92-97	All	UT	12	50-44369A1	PH130-0015
60EO	59.0ci - 60HP	99-01	All	UT	12	50-822462-T1	PH130-0024
60EO	59.0ci - 60HP	98	All	UT	12	50-822462	PH130-0024
60EO Jet 45	51.8ci - 60HP	95-97	All	UT	12	50-44369A1	PH130-0015
60EO Jet 45	59.0ci - 60HP	99-01	All	UT	12	50-822462-T1	PH130-0024
60EO Jet 45	59.0ci - 60HP	98	All	UT	12	50-822462	PH130-0024
70E	49.8ci - 70HP	79	All	UT	12	50-65436	PH130-0041
70EL	49.8ci - 70HP	80-83	United Tech System	UT	12	50-65436	PH130-0041
70EL	49.8ci - 70HP	79	All	UT	12	50-65436	PH130-0041
70ELPT	49.8ci - 70HP	80-83	United Tech System	UT	12	50-65436	PH130-0041
75EL	66.6ci - 75HP	84-85	United Tech System	UT	12	50-66015	PH130-0041
75ELH	84.6ci - 75HP	00	All	UT	12	50-66015T-1	PH130-0019





# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MARINER - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
75ELHPT 4-Stroke	84.6ci - 75HP	00-01	Hitachi System	HI	12	50-804312T1	PH130-0055
75ELHPTO	71.1ci - 75HP	89-93	United Tech System	UT	12	50-66015	PH130-0041
75ELHPTO	84.6ci - 75HP	00-01	All	UT	12	50-66015T-1	PH130-0019
75ELHPTO	84.6ci - 75HP	99	Match OE 50-66015	UT	12	50-66015	PH130-0041
75ELHPTO	84.6ci - 75HP	99	Match OE 50-66015T-1	UT	12	50-66015T-1	PH130-0019
75ELHPTO	84.6ci - 75HP	94-98	United Tech System	UT	12	50-66015	PH130-0041
75ELO	66.6ci - 75HP	86	United Tech System	UT	12	50-66015	PH130-0041
75ELO	71.1ci - 75HP	87-91	United Tech System	UT	12	50-66015	PH130-0041
75ELPT	66.6ci - 75HP	84-85	United Tech System	UT	12	50-66015	PH130-0041
75ELPT	84.6ci - 75HP	00	All	UT	12	50-66015T-1	PH130-0019
75ELPT 4-Stroke	84.6ci - 75HP	00-01	Hitachi System	HI	12	50-804312T1	PH130-0055
75ELPTO	66.6ci - 75HP	86	United Tech System	UT	12	50-66015	PH130-0041
75ELPTO	71.1ci - 75HP	87-93	United Tech System	UT	12	50-66015	PH130-0041
75ELPTO	84.6ci - 75HP	00-01	All	UT	12	50-66015T-1	PH130-0019
75ELPTO	84.6ci - 75HP	99	Match OE 50-66015	UT	12	50-66015	PH130-0041
75ELPTO	84.6ci - 75HP	99	Match OE 50-66015T-1	UT	12	50-66015T-1	PH130-0019
75ELPTO	84.6ci - 75HP	94-98	United Tech System	UT	12	50-66015	PH130-0041
80EL	66.6ci - 80HP	78-83	United Tech System	UT	12	50-66015	PH130-0041
80ELPT	66.6ci - 80HP	79-83	United Tech System	UT	12	50-66015	PH130-0041
90EL	1.6L - 99.8ci - 90HP	79-85	United Tech System	UT	12	50-72467	PH130-0042
90ELHPT 4-Stroke	1.6L - 97.4ci - 90HP	00-01	Hitachi System	HI	12	50-804312T1	PH130-0055
90ELHPTO	1.2L - 71.1ci - 90HP	91-93	United Tech System	UT	12	50-66015	PH130-0041
90ELHPTO	1.4L - 84.6ci - 90HP	00-01	All	UT	12	50-66015T-1	PH130-0019
90ELHPTO	1.4L - 84.6ci - 90HP	99	Match OE 50-66015	UT	12	50-66015	PH130-0041
90ELHPTO	1.4L - 84.6ci - 90HP	99	Match OE 50-66015T-1	UT	12	50-66015T-1	PH130-0019
90ELHPTO	1.4L - 84.6ci - 90HP	94-98	United Tech System	UT	12	50-66015	PH130-0041
90ELO	1.2L - 71.1ci - 90HP	87-88	United Tech System	UT	12	50-66015	PH130-0041
90ELO	1.6L - 99.8ci - 90HP	86	United Tech System	UT	12	50-72467	PH130-0042
90ELPT	1.6L - 99.8ci - 90HP	79-85	United Tech System	UT	12	50-72467	PH130-0042
90ELPT 4-Stroke	1.6L - 97.4ci - 90HP	00-01	Hitachi System	HI	12	50-804312T1	PH130-0055
90ELPT Coastal 4-Stroke	1.6L - 97.4ci - 90HP	00	Hitachi System	HI	12	50-804312T1	PH130-0055
90ELPTO	1.2L - 71.1ci - 90HP	87-93	United Tech System	UT	12	50-66015	PH130-0041
90ELPTO	1.4L - 84.6ci - 90HP	00-01	All	UT	12	50-66015T-1	PH130-0019
90ELPTO	1.4L - 84.6ci - 90HP	99	Match OE 50-66015	UT	12	50-66015	PH130-0041
90ELPTO	1.4L - 84.6ci - 90HP	99	Match OE 50-66015T-1	UT	12	50-66015T-1	PH130-0019
90ELPTO	1.4L - 84.6ci - 90HP	94-98	United Tech System	UT	12	50-66015	PH130-0041
90ELPTO	1.6L - 99.8ci - 90HP	86	United Tech System	UT	12	50-72467	PH130-0042
90ELPTO Coastal	1.4L - 84.6ci - 90HP	00-01	All	UT	12	50-66015T-1	PH130-0019
90ELPTO Coastal	1.4L - 84.6ci - 90HP	99	Match OE 50-66015	UT	12	50-66015	PH130-0041
90ELPTO Coastal	1.4L - 84.6ci - 90HP	99	Match OE 50-66015T-1	UT	12	50-66015T-1	PH130-0019
90ELPTO Jet 65	1.4L - 84.6ci - 90HP	00-01	All	UT	12	50-66015T-1	PH130-0019
90ELPTO Jet 65	1.4L - 84.6ci - 90HP	99	Match OE 50-66015	UT	12	50-66015	PH130-0041
90ELPTO Jet 65	1.4L - 84.6ci - 90HP	99	Match OE 50-66015T-1	UT	12	50-66015T-1	PH130-0019
90ELPTO Jet 65	1.4L - 84.6ci - 90HP	95-98	United Tech System	UT	12	50-66015	PH130-0041
90EXLPT Saltwater 4-Stroke	1.6L - 97.4ci - 90HP	01	Hitachi System	HI	12	50-804312T1	PH130-0055
100ELPTO	1.7L - 105ci - 100HP	88-93	United Tech System	UT	12	50-66015-1	PH130-0019
100ELPTO	1.9L - 113ci - 100HP	94-00	United Tech System	UT	12	50-66015-3	PH130-0019
100EXLPTO	1.7L - 105ci - 100HP	88-89	United Tech System	UT	12	50-66015-1	PH130-0019
100EXLHPTO	1.9L - 113ci - 100HP	98-00	United Tech System	UT	12	50-66015-3	PH130-0019
115EL	1.6L - 99.8ci - 115HP	78-83	United Tech System	UT	12	50-72467	PH130-0042
115ELPT	1.6L - 99.8ci - 115HP	78-85	United Tech System	UT	12	50-72467	PH130-0042
115ELPTO	1.6L - 99.8ci - 115HP	86-88	United Tech System	UT	12	50-72467	PH130-0042
115ELPTO	1.7L - 105ci - 100HP	89-93	United Tech System	UT	12	50-66015-1	PH130-0019
115ELPTO	1.9L - 113ci - 115HP	94-01	United Tech System	UT	12	50-66015-3	PH130-0019
115ELPTO Coastal	1.9L - 113ci - 115HP	00-01	All	UT	12	50-66015T-1	PH130-0019
115ELPTO Coastal	1.9L - 113ci - 115HP	99	United Tech System	UT	12	50-66015-3	PH130-0019
115ELPTO Jet 80	1.9L - 113ci - 80HP	95-01	United Tech System	UT	12	50-66015-3	PH130-0019
115ELPTO Saltwater	1.9L - 113ci - 115HP	00-01	United Tech System	UT	12	50-66015-3	PH130-0019
115EXLPT	1.6L - 99.8ci - 115HP	80-85	United Tech System	UT	12	50-72467	PH130-0042
115EXLPTO	1.6L - 99.8ci - 115HP	86-88	United Tech System	UT	12	50-72467	PH130-0042
115EXLPTO	1.7L - 105ci - 115HP	89-93	United Tech System	UT	12	50-66015-1	PH130-0019
115EXLPTO	1.9L - 113ci - 115HP	94-01	United Tech System	UT	12	50-66015-3	PH130-0019
115L Optimax	1.9L - 113ci - 115HP	01	Delco System	DR	12	50-853329T	PH130-0066
115L Optimax	1.9L - 113ci - 115HP	00	United Tech System	UT	12	50-856996T	PH130-0067
115L Optimax Saltwater	1.9L - 113ci - 115HP	01	Delco System	DR	12	50-853329T	PH130-0066
115L Optimax Saltwater	1.9L - 113ci - 115HP	00	United Tech System	UT	12	50-856996T	PH130-0067
115XL Optimax Saltwater	1.9L - 113ci - 115HP	01	Delco System	DR	12	50-853329T	PH130-0066
115XL Optimax Saltwater	1.9L - 113ci - 115HP	00	United Tech System	UT	12	50-856996T	PH130-0067
125ELPTO	1.9L - 113ci - 125HP	94-01	United Tech System	UT	12	50-66015-3	PH130-0019
125EXLPTO	1.9L - 113ci - 125HP	94-01	United Tech System	UT	12	50-66015-3	PH130-0019
135CXL	2.0L - 121.9ci - 135HP	99-00	United Tech System	UT	12	50-79472-1	PH130-0046
135CXL	2.0L - 121.9ci - 135HP	93-98	United Tech System	UT	12	50-79472	PH130-0046
135CXL DFI / Optimax	2.5L - 153.0ci - 135HP	01	Delco System	DR	12	50-853329T	PH130-0066
135CXL DFI / Optimax	2.5L - 153.0ci - 135HP	00	United Tech System	UT	12	50-856996T	PH130-0067
135CXL DFI / Optimax	2.5L - 153.0ci - 135HP	99	Match OE 50-833153-2	UT	12	50-833153-2	PH130-0030
135CXL DFI / Optimax	2.5L - 153.0ci - 135HP	99	Match OE 50-833153-5	UT	12	50-833153-5	PH130-0030
135CXL DFI / Optimax	2.5L - 153.0ci - 135HP	98	United Tech System	UT	12	50-833153-2	PH130-0030

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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

**PROTORQUE - Outboard Starters & Components**

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MARINER - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
135ELPTO	2.0L - 121.9ci - 135HP	86-88	United Tech System	UT	12	50-79472	PH130-0046
135EXLPTO	2.0L - 121.9ci - 135HP	86-88	United Tech System	UT	12	50-79472	PH130-0046
135L	2.0L - 121.9ci - 135HP	99-00	United Tech System	UT	12	50-79472-1	PH130-0046
135L	2.0L - 121.9ci - 135HP	89-98	United Tech System	UT	12	50-79472	PH130-0046
135L DFI / Optimax	2.5L - 153.0ci - 135HP	01	Delco System	DR	12	50-853329T	PH130-0066
135L DFI / Optimax	2.5L - 153.0ci - 135HP	00	United Tech System	UT	12	50-856996T	PH130-0067
135L DFI / Optimax	2.5L - 153.0ci - 135HP	99	Match OE 50-833153-2	UT	12	50-833153-2	PH130-0030
135L DFI / Optimax	2.5L - 153.0ci - 135HP	99	Match OE 50-833153-5	UT	12	50-833153-5	PH130-0030
135L DFI / Optimax	2.5L - 153.0ci - 135HP	98	United Tech System	UT	12	50-833153-2	PH130-0030
135XL	2.0L - 121.9ci - 135HP	99-00	United Tech System	UT	12	50-79472-1	PH130-0046
135XL	2.0L - 121.9ci - 135HP	93-98	United Tech System	UT	12	50-79472	PH130-0046
135XL	2.0L - 121.9ci - 135HP	89	United Tech System	UT	12	50-79472	PH130-0046
135XL DFI / Optimax	2.5L - 153.0ci - 135HP	01	Delco System	DR	12	50-853329T	PH130-0066
135XL DFI / Optimax	2.5L - 153.0ci - 135HP	00	United Tech System	UT	12	50-856996T	PH130-0067
135XL DFI / Optimax	2.5L - 153.0ci - 135HP	99	Match OE 50-833153-2	UT	12	50-833153-2	PH130-0030
135XL DFI / Optimax	2.5L - 153.0ci - 135HP	99	Match OE 50-833153-5	UT	12	50-833153-5	PH130-0030
135XL DFI / Optimax	2.5L - 153.0ci - 135HP	98	United Tech System	UT	12	50-833153-2	PH130-0030
140ELPT	140HP	78-79	United Tech System	UT	12	50-72467	PH130-0042
150 Magnum EFI	2.5L - 153.0ci - 150HP	92-98	United Tech System	UT	12	50-79472	PH130-0046
150 Magnum II	2.5L - 153.0ci - 150HP	89-91	United Tech System	UT	12	50-79472	PH130-0046
150 Magnum III	2.5L - 153.0ci - 150HP	99-00	United Tech System	UT	12	50-79472-1	PH130-0046
150 Magnum III	2.5L - 153.0ci - 150HP	94-98	United Tech System	UT	12	50-79472	PH130-0046
150CXL	2.0L - 121.9ci - 150HP	89-98	United Tech System	UT	12	50-79472	PH130-0046
150CXL DFI / Optimax	2.5L - 153.0ci - 150HP	01	Delco System	DR	12	50-853329T	PH130-0066
150CXL DFI / Optimax	2.5L - 153.0ci - 150HP	00	United Tech System	UT	12	50-856996T	PH130-0067
150CXL DFI / Optimax	2.5L - 153.0ci - 150HP	99	Match OE 50-833153-2	UT	12	50-833153-2	PH130-0030
150CXL DFI / Optimax	2.5L - 153.0ci - 150HP	99	Match OE 50-833153-5	UT	12	50-833153-5	PH130-0030
150CXL DFI / Optimax	2.5L - 153.0ci - 150HP	98	United Tech System	UT	12	50-833153-2	PH130-0030
150CXL EFI	2.5L - 153.0ci - 150HP	99-00	United Tech System	UT	12	50-79472-1	PH130-0046
150CXL EFI	2.5L - 153.0ci - 150HP	94-98	United Tech System	UT	12	50-79472	PH130-0046
150CXL Saltwater	2.5L - 153.0ci - 150HP	99-00	United Tech System	UT	12	50-79472-1	PH130-0046
150ELPT	2.0L - 121.9ci - 150HP	79-85	Match OE 1065221M030SM	UT	12	50-72467	PH130-0042
150ELPT	2.0L - 121.9ci - 150HP	79-85	Match OE 1491624M030SM	UT	12	50-77141	PH130-0046
150ELPT	2.0L - 121.9ci - 150HP	79-85	Match OE 1718328M030SM	UT	12	50-79472	PH130-0046
150ELPT	2.0L - 121.9ci - 150HP	79-85	Match OE MJL4003B	PS	12	50-64975	PH130-0037
150ELPTO	2.0L - 121.9ci - 150HP	86-88	United Tech System	UT	12	50-79472	PH130-0046
150ELPXTO	2.0L - 121.9ci - 150HP	86-88	United Tech System	UT	12	50-79472	PH130-0046
150EXLPT	2.0L - 121.9ci - 150HP	79-85	Match OE 1065221M030SM	UT	12	50-72467	PH130-0042
150EXLPT	2.0L - 121.9ci - 150HP	79-85	Match OE 1491624M030SM	UT	12	50-77141	PH130-0046
150EXLPT	2.0L - 121.9ci - 150HP	79-85	Match OE 1718328M030SM	UT	12	50-79472	PH130-0046
150EXLPT	2.0L - 121.9ci - 150HP	79-85	Match OE MJL4003B	PS	12	50-64975	PH130-0037
150L	2.0L - 121.9ci - 150HP	89-98	United Tech System	UT	12	50-79472	PH130-0046
150L DFI / Optimax	2.5L - 153.0ci - 150HP	01	Delco System	DR	12	50-853329T	PH130-0066
150L DFI / Optimax	2.5L - 153.0ci - 150HP	00	United Tech System	UT	12	50-856996T	PH130-0067
150L DFI / Optimax	2.5L - 153.0ci - 150HP	99	Match OE 50-833153-2	UT	12	50-833153-2	PH130-0030
150L DFI / Optimax	2.5L - 153.0ci - 150HP	99	Match OE 50-833153-5	UT	12	50-833153-5	PH130-0030
150L DFI / Optimax	2.5L - 153.0ci - 150HP	98	United Tech System	UT	12	50-833153-2	PH130-0030
150L EFI	2.5L - 153.0ci - 150HP	99-00	United Tech System	UT	12	50-79472-1	PH130-0046
150L Jet 105	2.0L - 121.9ci - 150HP	95-98	United Tech System	UT	12	50-79472	PH130-0046
150L XR6	2.5L - 153.0ci - 150HP	99-00	United Tech System	UT	12	50-79472-1	PH130-0046
150XL	2.0L - 121.9ci - 150HP	89-98	United Tech System	UT	12	50-79472	PH130-0046
150XL DFI / Optimax	2.5L - 153.0ci - 150HP	01	Delco System	DR	12	50-853329T	PH130-0066
150XL DFI / Optimax	2.5L - 153.0ci - 150HP	00	United Tech System	UT	12	50-856996T	PH130-0067
150XL DFI / Optimax	2.5L - 153.0ci - 150HP	99	Match OE 50-833153-2	UT	12	50-833153-2	PH130-0030
150XL DFI / Optimax	2.5L - 153.0ci - 150HP	99	Match OE 50-833153-5	UT	12	50-833153-5	PH130-0030
150XL DFI / Optimax	2.5L - 153.0ci - 150HP	98	United Tech System	UT	12	50-833153-2	PH130-0030
150XL EFI	2.5L - 153.0ci - 150HP	99-00	United Tech System	UT	12	50-79472-1	PH130-0046
150XL EFI	2.5L - 153.0ci - 150HP	94-98	United Tech System	UT	12	50-79472	PH130-0046
150XL Saltwater	2.5L - 153.0ci - 150HP	99-00	United Tech System	UT	12	50-79472-1	PH130-0046
175CXL	2.3L - 142.2ci - 175HP	89	United Tech System	UT	12	50-79472	PH130-0046
175CXL	2.5L - 153.0ci - 175HP	99-00	United Tech System	UT	12	50-79472-1	PH130-0046
175CXL	2.5L - 153.0ci - 175HP	93-98	United Tech System	UT	12	50-79472	PH130-0046
175CXL DFI	2.5L - 153.0ci - 175HP	01	Delco System	DR	12	50-853329T	PH130-0066
175ELPT	2.0L - 121.9ci - 175HP	79-80	Match OE 1065221M030SM	UT	12	50-72467	PH130-0042
175ELPT	2.0L - 121.9ci - 175HP	79-80	Match OE 1491624M030SM	UT	12	50-77141	PH130-0046
175ELPT	2.0L - 121.9ci - 175HP	79-80	Match OE 1718328M030SM	UT	12	50-79472	PH130-0046
175ELPT	2.0L - 121.9ci - 175HP	79-80	Match OE MJL4003B	PS	12	50-64975	PH130-0037
175ELPTO	2.3L - 142.2ci - 175HP	85-88	Match OE 1065221M030SM	UT	12	50-72467	PH130-0042
175ELPTO	2.3L - 142.2ci - 175HP	85-88	Match OE 1491624M030SM	UT	12	50-77141	PH130-0046
175ELPTO	2.3L - 142.2ci - 175HP	85-88	Match OE 1718328M030SM	UT	12	50-79472	PH130-0046
175ELPTO	2.3L - 142.2ci - 175HP	85-88	Match OE MJL4003B	PS	12	50-64975	PH130-0037
175EXLPT	2.0L - 121.9ci - 175HP	79-80	Match OE 1065221M030SM	UT	12	50-72467	PH130-0042
175EXLPT	2.0L - 121.9ci - 175HP	79-80	Match OE 1491624M030SM	UT	12	50-77141	PH130-0046
175EXLPT	2.0L - 121.9ci - 175HP	79-80	Match OE 1718328M030SM	UT	12	50-79472	PH130-0046
175EXLPT	2.0L - 121.9ci - 175HP	79-80	Match OE MJL4003B	PS	12	50-64975	PH130-0037
175EXLTO	2.3L - 142.2ci - 175HP	85-88	Match OE 1065221M030SM	UT	12	50-72467	PH130-0042
175EXLTO	2.3L - 142.2ci - 175HP	85-88	Match OE 1491624M030SM	UT	12	50-77141	PH130-0046



# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MARINER - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
175EXLTO	2.3L - 142.2ci - 175HP	85-88	Match OE 1718328M030SM	UT	12	50-79472	PH130-0046
175EXLTO	2.3L - 142.2ci - 175HP	85-88	Match OE MJL4003B	PS	12	50-64975	PH130-0037
175L	2.3L - 142.2ci - 175HP	89-91	United Tech System	UT	12	50-79472	PH130-0046
175L	2.5L - 153.0ci - 175HP	99-00	United Tech System	UT	12	50-79472-1	PH130-0046
175L	2.5L - 153.0ci - 175HP	92-98	United Tech System	UT	12	50-79472	PH130-0046
175L DIG Saltwater DFI	2.5L - 153.0ci - 175HP	01	Delco System	DR	12	50-853329T	PH130-0066
175L Magnum EFI	2.3L - 142.2ci - 175HP	91	United Tech System	UT	12	50-79472	PH130-0046
175L Magnum EFI	2.5L - 153.0ci - 175HP	99	United Tech System	UT	12	50-79472-1	PH130-0046
175L Magnum EFI	2.5L - 153.0ci - 175HP	92-98	United Tech System	UT	12	50-79472	PH130-0046
175SKI	2.3L - 142.2ci - 175HP	90	United Tech System	UT	12	50-79472	PH130-0046
175XL	2.3L - 142.2ci - 175HP	89-91	United Tech System	UT	12	50-79472	PH130-0046
175XL	2.5L - 153.0ci - 175HP	99-00	United Tech System	UT	12	50-79472-1	PH130-0046
175XL	2.5L - 153.0ci - 175HP	92-98	United Tech System	UT	12	50-79472	PH130-0046
175XL DIG DFI	2.5L - 153.0ci - 175HP	01	Delco System	DR	12	50-853329T	PH130-0066
175XL EFI	2.5L - 153.0ci - 175HP	99-00	United Tech System	UT	12	50-79472-1	PH130-0046
175XL EFI	2.5L - 153.0ci - 175HP	97-98	United Tech System	UT	12	50-79472	PH130-0046
200CXL	2.3L - 142.2ci - 200HP	89-90	United Tech System	UT	12	50-79472	PH130-0046
200CXL	2.5L - 153.0ci - 200HP	99-00	United Tech System	UT	12	50-79472-1	PH130-0046
200CXL	2.5L - 153.0ci - 200HP	91-98	United Tech System	UT	12	50-79472	PH130-0046
200CXL DFI / Optimax	3.0L - 185.0ci - 200HP	01	Delco System	DR	12	50-853329T	PH130-0066
200CXL DFI / Optimax	3.0L - 185.0ci - 200HP	00	United Tech System	UT	12	50-856996T	PH130-0067
200CXL DFI / Optimax	3.0L - 185.0ci - 200HP	98-99	United Tech System	UT	12	50-833153-5	PH130-0030
200CXL DFI / Optimax	3.0L - 185.0ci - 200HP	97	United Tech System	UT	12	50-833153	PH130-0030
200CXL EFI	2.5L - 153.0ci - 200HP	00	Match OE 50-79472-1	UT	12	50-79472-1	PH130-0046
200CXL EFI	2.5L - 153.0ci - 200HP	00	Match OE 50-818445-5	UT	12	50-818445-5	PH130-0023
200CXL EFI	2.5L - 153.0ci - 200HP	99	United Tech System	UT	12	50-79472-1	PH130-0046
200CXL EFI	2.5L - 153.0ci - 200HP	94-98	United Tech System	UT	12	50-79472	PH130-0046
200CXL Saltwater DFI	3.0L - 185.0ci - 200HP	01	Delco System	DR	12	50-853329T	PH130-0066
200CXL Saltwater DFI	3.0L - 185.0ci - 200HP	00	United Tech System	UT	12	50-856996T	PH130-0067
200CXXL DFI / Optimax	3.0L - 185.0ci - 200HP	01	Delco System	DR	12	50-853329T	PH130-0066
200CXXL DFI / Optimax	3.0L - 185.0ci - 200HP	00	United Tech System	UT	12	50-856996T	PH130-0067
200CXXL DFI / Optimax	3.0L - 185.0ci - 200HP	98-99	United Tech System	UT	12	50-833153-5	PH130-0030
200CXXL Saltwater DFI	3.0L - 185.0ci - 200HP	01	Delco System	DR	12	50-853329T	PH130-0066
200CXXL Saltwater DFI	3.0L - 185.0ci - 200HP	00	United Tech System	UT	12	50-856996T	PH130-0067
200ELPT	2.3L - 142.2ci - 200HP	80-84	8 Tooth Drive	UT	12	50-79472	PH130-0046
200ELPT	2.3L - 142.2ci - 200HP	80-84	9 Tooth Drive	UT	12	50-86976	PH130-0067
200ELPTO	2.3L - 142.2ci - 200HP	85-88	8 Tooth Drive	UT	12	50-79472	PH130-0046
200ELPTO	2.3L - 142.2ci - 200HP	85-88	9 Tooth Drive	UT	12	50-86976	PH130-0067
200EXLPT	2.3L - 142.2ci - 200HP	80-84	8 Tooth Drive	UT	12	50-79472	PH130-0046
200EXLPT	2.3L - 142.2ci - 200HP	80-84	9 Tooth Drive	UT	12	50-86976	PH130-0067
200EXLPTO	2.3L - 142.2ci - 200HP	85-88	8 Tooth Drive	UT	12	50-79472	PH130-0046
200EXLPTO	2.3L - 142.2ci - 200HP	85-88	9 Tooth Drive	UT	12	50-86976	PH130-0067
200L	2.3L - 142.2ci - 200HP	89-90	United Tech System	UT	12	50-79472	PH130-0046
200L	2.5L - 153.0ci - 200HP	99-00	United Tech System	UT	12	50-79472-1	PH130-0046
200L	2.5L - 153.0ci - 200HP	91-98	United Tech System	UT	12	50-79472	PH130-0046
200L DFI / Optimax	3.0L - 185.0ci - 200HP	01	Delco System	DR	12	50-853329T	PH130-0066
200L DFI / Optimax	3.0L - 185.0ci - 200HP	00	United Tech System	UT	12	50-856996T	PH130-0067
200L DFI / Optimax	3.0L - 185.0ci - 200HP	98-99	United Tech System	UT	12	50-833153-5	PH130-0030
200L DFI / Optimax	3.0L - 185.0ci - 200HP	97	United Tech System	UT	12	50-833153	PH130-0030
200L JET 140	2.5L - 153.0ci - 200HP	99-00	United Tech System	UT	12	50-79472-1	PH130-0046
200L JET 140	2.5L - 153.0ci - 200HP	95-98	United Tech System	UT	12	50-79472	PH130-0046
200L Magnum EFI	2.5L - 153.0ci - 200HP	00	Match OE 50-79472-1	UT	12	50-79472-1	PH130-0046
200L Magnum EFI	2.5L - 153.0ci - 200HP	00	Match OE 50-818445-5	UT	12	50-818445-5	PH130-0023
200L Magnum EFI	2.5L - 153.0ci - 200HP	99	United Tech System	UT	12	50-79472-1	PH130-0046
200L Magnum EFI	2.5L - 153.0ci - 200HP	92-98	United Tech System	UT	12	50-79472	PH130-0046
200XL	2.3L - 142.2ci - 200HP	89-90	United Tech System	UT	12	50-79472	PH130-0046
200XL	2.5L - 153.0ci - 200HP	99-00	United Tech System	UT	12	50-79472-1	PH130-0046
200XL	2.5L - 153.0ci - 200HP	91-98	United Tech System	UT	12	50-79472	PH130-0046
200XL DFI / Optimax	3.0L - 185.0ci - 200HP	01	Delco System	DR	12	50-853329T	PH130-0066
200XL DFI / Optimax	3.0L - 185.0ci - 200HP	00	United Tech System	UT	12	50-856996T	PH130-0067
200XL DFI / Optimax	3.0L - 185.0ci - 200HP	98-99	United Tech System	UT	12	50-833153-5	PH130-0030
200XL DFI / Optimax	3.0L - 185.0ci - 200HP	97	United Tech System	UT	12	50-833153	PH130-0030
200XL EFI	2.5L - 153.0ci - 200HP	00	Match OE 50-79472-1	UT	12	50-79472-1	PH130-0046
200XL EFI	2.5L - 153.0ci - 200HP	00	Match OE 50-818445-5	UT	12	50-818445-5	PH130-0023
200XL EFI	2.5L - 153.0ci - 200HP	99	United Tech System	UT	12	50-79472-1	PH130-0046
200XL EFI	2.5L - 153.0ci - 200HP	94-98	United Tech System	UT	12	50-79472	PH130-0046
200XL Saltwater DFI	2.5L - 153.0ci - 200HP	01	Delco System	DR	12	50-853329T	PH130-0066
200XL Saltwater DFI	2.5L - 153.0ci - 200HP	00	United Tech System	UT	12	50-856996T	PH130-0067
200XRI EFI	2.5L - 153.0ci - 200HP	94-95	United Tech System	UT	12	50-79472	PH130-0046
200XXL DFI / Optimax	3.0L - 185.0ci - 200HP	01	Delco System	DR	12	50-853329T	PH130-0066
200XXL DFI / Optimax	3.0L - 185.0ci - 200HP	00	United Tech System	UT	12	50-856996T	PH130-0067
200XXL DFI / Optimax	3.0L - 185.0ci - 200HP	98-99	United Tech System	UT	12	50-833153-5	PH130-0030
220EFIELPTO Magnum	2.3L - 142.2ci - 220HP	87-88	8 Tooth Drive	UT	12	50-79472	PH130-0046
220EFIELPTO Magnum	2.3L - 142.2ci - 220HP	87-88	8 Tooth Drive	UT	12	50-79472	PH130-0046
225CXL	3.0L - 185.0ci - 225HP	99-00	United Tech System	UT	12	50-818445-5	PH130-0023
225CXL	3.0L - 185.0ci - 225HP	93-98	United Tech System	UT	12	50-818445-3	PH130-0023
225CXL DFI / Optimax	3.0L - 185.0ci - 225HP	01	Delco System	DR	12	50-853329T	PH130-0066

PROTORQUE - Outboard Starters & Components



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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

**PROTORQUE - Outboard Starters & Components**

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	•
<b>MARINER - continued</b>								
<b>ENGINES - MARINE OUTBOARD - continued</b>								
225CXL DFI / Optimax	3.0L - 185.0ci - 225HP	00	United Tech System	UT	12	50-856996T	PH130-0067	
225CXL DFI / Optimax	3.0L - 185.0ci - 225HP	98-99	United Tech System	UT	12	50-833153-5	PH130-0030	
225CXL EFI	3.0L - 185.0ci - 225HP	99-00	United Tech System	UT	12	50-818445-5	PH130-0023	
225CXL EFI	3.0L - 185.0ci - 225HP	95-98	United Tech System	UT	12	50-818445-3	PH130-0023	
225CXL Marathon	3.0L - 185.0ci - 225HP	96-98	United Tech System	UT	12	50-818445-3	PH130-0023	
225CXXL	3.0L - 185.0ci - 225HP	99-00	United Tech System	UT	12	50-818445-5	PH130-0023	
225CXXL	3.0L - 185.0ci - 225HP	93-98	United Tech System	UT	12	50-818445-3	PH130-0023	
225CXXL DFI / Optimax	3.0L - 185.0ci - 225HP	01	Delco System	DR	12	50-853329T	PH130-0066	
225CXXL DFI / Optimax	3.0L - 185.0ci - 225HP	00	United Tech System	UT	12	50-856996T	PH130-0067	
225CXXL DFI / Optimax	3.0L - 185.0ci - 225HP	98-99	United Tech System	UT	12	50-833153-5	PH130-0030	
225CXXL EFI	3.0L - 185.0ci - 225HP	99-00	United Tech System	UT	12	50-818445-5	PH130-0023	
225CXXL EFI	3.0L - 185.0ci - 225HP	95-98	United Tech System	UT	12	50-818445-3	PH130-0023	
225L	3.0L - 185.0ci - 225HP	99-00	United Tech System	UT	12	50-818445-5	PH130-0023	
225L	3.0L - 185.0ci - 225HP	93-98	United Tech System	UT	12	50-818445-3	PH130-0023	
225L DFI / Optimax	3.0L - 185.0ci - 225HP	01	Delco System	DR	12	50-853329T	PH130-0066	
225L DFI / Optimax	3.0L - 185.0ci - 225HP	00	United Tech System	UT	12	50-856996T	PH130-0067	
225L DFI / Optimax	3.0L - 185.0ci - 225HP	98-99	United Tech System	UT	12	50-833153-5	PH130-0030	
225L EFI	3.0L - 185.0ci - 225HP	99-00	United Tech System	UT	12	50-818445-5	PH130-0023	
225L EFI	3.0L - 185.0ci - 225HP	95-98	United Tech System	UT	12	50-818445-3	PH130-0023	
225L Magnum EFI	3.0L - 185.0ci - 225HP	95-97	United Tech System	UT	12	50-818445-3	PH130-0023	
225XL	3.0L - 185.0ci - 225HP	99-00	United Tech System	UT	12	50-818445-5	PH130-0023	
225XL	3.0L - 185.0ci - 225HP	93-98	United Tech System	UT	12	50-818445-3	PH130-0023	
225XL DFI / Optimax	3.0L - 185.0ci - 225HP	01	Delco System	DR	12	50-853329T	PH130-0066	
225XL DFI / Optimax	3.0L - 185.0ci - 225HP	00	United Tech System	UT	12	50-856996T	PH130-0067	
225XL DFI / Optimax	3.0L - 185.0ci - 225HP	98-99	United Tech System	UT	12	50-833153-5	PH130-0030	
225XL EFI	3.0L - 185.0ci - 225HP	99-00	United Tech System	UT	12	50-818445-5	PH130-0023	
225XL EFI	3.0L - 185.0ci - 225HP	95-98	United Tech System	UT	12	50-818445-3	PH130-0023	
225 XL Marathon	3.0L - 185.0ci - 225HP	96-98	United Tech System	UT	12	50-818445-3	PH130-0023	
225XXL	3.0L - 185.0ci - 225HP	99-00	United Tech System	UT	12	50-818445-5	PH130-0023	
225XXL	3.0L - 185.0ci - 225HP	93-98	United Tech System	UT	12	50-818445-3	PH130-0023	
225XXL DFI / Optimax	3.0L - 185.0ci - 225HP	01	Delco System	DR	12	50-853329T	PH130-0066	
225XXL DFI / Optimax	3.0L - 185.0ci - 225HP	00	United Tech System	UT	12	50-856996T	PH130-0067	
225XXL DFI / Optimax	3.0L - 185.0ci - 225HP	98-99	United Tech System	UT	12	50-833153-5	PH130-0030	
225XXL EFI	3.0L - 185.0ci - 225HP	99-00	United Tech System	UT	12	50-818445-5	PH130-0023	
225XXL EFI	3.0L - 185.0ci - 225HP	95-98	United Tech System	UT	12	50-818445-3	PH130-0023	
250CXL EFI	3.0L - 185.0ci - 250HP	99	United Tech System	UT	12	50-818445-5	PH130-0023	
250CXL EFI	3.0L - 185.0ci - 250HP	95-98	United Tech System	UT	12	50-818445-3	PH130-0023	
250CXL Saltwater EFI	3.0L - 185.0ci - 250HP	00	United Tech System	UT	12	50-818445-5	PH130-0023	
250CXXL EFI	3.0L - 185.0ci - 250HP	99	United Tech System	UT	12	50-818445-5	PH130-0023	
250CXXL EFI	3.0L - 185.0ci - 250HP	95-98	United Tech System	UT	12	50-818445-3	PH130-0023	
250CXXL EFI Saltwater	3.0L - 185.0ci - 250HP	00	United Tech System	UT	12	50-818445-5	PH130-0023	
250XL	3.4L - 207.0ci - 250HP	89-90	United Tech System	UT	12	50-79472	PH130-0046	
250XL EFI	3.0L - 185.0ci - 250HP	99	United Tech System	UT	12	50-818445-5	PH130-0023	
250XL EFI	3.0L - 185.0ci - 250HP	95-98	United Tech System	UT	12	50-818445-3	PH130-0023	
250XL EFI Saltwater	3.0L - 185.0ci - 250HP	00	United Tech System	UT	12	50-818445-5	PH130-0023	
250XXL	3.4L - 207.0ci - 250HP	89-90	United Tech System	UT	12	50-79472	PH130-0046	
250XXL EFI	3.0L - 185.0ci - 250HP	99	United Tech System	UT	12	50-818445-5	PH130-0023	
250XXL EFI	3.0L - 185.0ci - 250HP	95-98	United Tech System	UT	12	50-818445-3	PH130-0023	
250XXL EFI Saltwater	3.0L - 185.0ci - 250HP	00	United Tech System	UT	12	50-818445-5	PH130-0023	
275CXL	3.4L - 207.0ci - 250HP	91-94	United Tech System	UT	12	50-79472	PH130-0046	
275CXXL	3.4L - 207.0ci - 250HP	91-94	United Tech System	UT	12	50-79472	PH130-0046	
275L	3.4L - 207.0ci - 250HP	91-93	United Tech System	UT	12	50-79472	PH130-0046	
275XL	3.4L - 207.0ci - 250HP	91-94	United Tech System	UT	12	50-79472	PH130-0046	
275XXL	3.4L - 207.0ci - 250HP	91-94	United Tech System	UT	12	50-79472	PH130-0046	

## MERCURY

<b>ENGINES - MARINE OUTBOARD</b>								
2.0L Racing		All	United Tech System	UT	12	50-60594A1	PH130-0020	
2.4L Racing		All	United Tech System	UT	12	50-79472	PH130-0046	
2.5L Racing	2.5L - 280HP	All	S/N 0T997974-Up	DR	12	50-892339T	PH130-0066	
2.5L Racing	2.5L - 280HP	All	S/N 0T999519-Below	UT	12	50-79472	PH130-0046	
3.4ELPT	3.4L - 207.0ci - 275HP	84-87	United Tech System	UT	12	50-44415	PH130-0046	
3.4EXLPT	3.4L - 207.0ci - 275HP	84-87	United Tech System	UT	12	50-44415	PH130-0046	
8EH 4-Stroke	12.8ci - 8.0HP	05-On	Hitachi Starter	HI	12	50-803835T02	PH130-0061	
8ELH 4-Stroke	12.8ci - 8.0HP	05-On	Hitachi Starter	HI	12	50-803835T02	PH130-0061	
8HP	12.8ci - 8.0HP	86-94	All	UT	12	50-90983A1	PH130-0021	
8HP Bodensee	19.7ci - 8.0HP	99-04	Serial OP086824-On	UT	12	50-859168T	PH130-0034	
8HP Bodensee	14.2ci - 8.0HP	95-98	Serial 0H000058-On	UT	12	825991A-2	PH130-0014	
9.9E	12.8ci - 9.9HP	86-90	All	UT	12	50-90983A1	PH130-0021	
9.9EH	12.8ci - 9.9HP	88-89	All	UT	12	50-90983A1	PH130-0021	
9.9EH 4-Stroke	12.8ci - 9.9HP	05-On	Hitachi Starter	HI	12	50-803835T02	PH130-0061	
9.9EL	12.8ci - 9.9HP	86-89	All	UT	12	50-90983A1	PH130-0021	
9.9EL 4-Stroke	12.8ci - 9.9HP	05-On	Hitachi Starter	HI	12	50-803835T02	PH130-0061	
9.9EL 4-Stroke	19.7ci - 9.9HP	99-04	Nut Design	UT	12	50-859168T	PH130-0034	
9.9EL 4-Stroke	19.7ci - 9.9HP	99-04	Retaining Ring Design	UT	12	50-852570T	PH130-0034	
9.9EL B/F 4-Stroke	12.8ci - 9.9HP	05-On	Hitachi Starter	HI	12	50-803835T02	PH130-0061	





# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MERCURY - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
9.9EL B/F 4-Stroke	19.7ci - 9.9HP	99-04	Nut Design	UT	12	50-859168T	PH130-0034
9.9EL B/F 4-Stroke	19.7ci - 9.9HP	99-04	Retaining Ring Design	UT	12	50-852570T	PH130-0034
9.9ELH 4-Stroke	12.8ci - 9.9HP	05-On	Hitachi Starter	HI	12	50-803835T02	PH130-0061
9.9ELH B/F 4-Stroke	12.8ci - 9.9HP	05-On	Hitachi Starter	HI	12	50-803835T02	PH130-0061
9.9ELH B/F 4-Stroke	19.7ci - 9.9HP	99-04	Nut Design	UT	12	50-859168T	PH130-0034
9.9ELH B/F 4-Stroke	19.7ci - 9.9HP	99-04	Retaining Ring Design	UT	12	50-852570T	PH130-0034
9.9ELHPT B/F 4-Stroke	12.8ci - 9.9HP	05-On	Hitachi Starter	HI	12	50-803835T02	PH130-0061
9.9ELPT B/F 4-Stroke	12.8ci - 9.9HP	05-On	Hitachi Starter	HI	12	50-803835T02	PH130-0061
9.9ELRC	12.8ci - 9.9HP	90-94	All	UT	12	50-90983A1	PH130-0021
9.9ELRC	16.0ci - 9.9HP	99-01	All	UT	12	50-90983T1	PH130-0021
9.9ELRC	16.0ci - 9.9HP	95-98	All	UT	12	50-90983A1	PH130-0021
9.9EXLH B/F Sail 4-Stroke	12.8ci - 9.9HP	05-On	Hitachi Starter	HI	12	50-803835T02	PH130-0061
9.9EXLH B/F Sail 4-Stroke	19.7ci - 9.9HP	99-04	Nut Design	UT	12	50-859168T	PH130-0034
9.9EXLH B/F Sail 4-Stroke	19.7ci - 9.9HP	99-04	Retaining Ring Design	UT	12	50-852570T	PH130-0034
9.9EXLPT B/F 4-Stroke	12.8ci - 9.9HP	05-On	Hitachi Starter	HI	12	50-803835T02	PH130-0061
9.9EXLHPT B/F 4-Stroke	12.8ci - 9.9HP	06-On	Hitachi Starter	HI	12	50-803835T02	PH130-0061
15E 4-Stroke	21.4ci - 15HP	09-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
15E 4-Stroke	19.7ci - 15HP	99-08	Nut Design	UT	12	50-859168T	PH130-0034
15E 4-Stroke	19.7ci - 15HP	99-08	Retaining Ring Design	UT	12	50-852570T	PH130-0034
15E 4-Stroke	19.7ci - 15HP	98	All	UT	12	50-852570	PH130-0034
15EH	12.8ci - 15HP	88	All	UT	12	50-90983A1	PH130-0021
15EH	16.0ci - 15HP	99-05	All	UT	12	50-90983T1	PH130-0021
15EH	16.0ci - 15HP	89-98	All	UT	12	50-90983A1	PH130-0021
15EH 4-Stroke	21.4ci - 15HP	09-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
15EH 4-Stroke	19.7ci - 15HP	99-08	Nut Design	UT	12	50-859168T	PH130-0034
15EH 4-Stroke	19.7ci - 15HP	99-08	Retaining Ring Design	UT	12	50-852570T	PH130-0034
15EL	12.8ci - 15HP	88	All	UT	12	50-90983A1	PH130-0021
15EL	16.0ci - 15HP	99-02	All	UT	12	50-90983T1	PH130-0021
15EL	16.0ci - 15HP	89-98	All	UT	12	50-90983A1	PH130-0021
15EL 4-Stroke	21.4ci - 15HP	09-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
15EL 4-Stroke	19.7ci - 15HP	99-08	Nut Design	UT	12	50-859168T	PH130-0034
15EL 4-Stroke	19.7ci - 15HP	99-08	Retaining Ring Design	UT	12	50-852570T	PH130-0034
15EL 4-Stroke	19.7ci - 15HP	98	All	UT	12	50-852570	PH130-0034
15EL B/F 4-Stroke	19.7ci - 15HP	99-08	Nut Design	UT	12	50-859168T	PH130-0034
15EL B/F 4-Stroke	19.7ci - 15HP	99-08	Retaining Ring Design	UT	12	50-852570T	PH130-0034
15EL B/F 4-Stroke	19.7ci - 15HP	98	All	UT	12	50-852570	PH130-0034
15ELH	12.8ci - 15HP	88	All	UT	12	50-90983A1	PH130-0021
15ELH	16.0ci - 15HP	99-02	All	UT	12	50-90983T1	PH130-0021
15ELH	16.0ci - 15HP	89-98	All	UT	12	50-90983A1	PH130-0021
15ELH 4-Stroke	21.4ci - 15HP	09-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
15ELH 4-Stroke	19.7ci - 15HP	99-08	Nut Design	UT	12	50-859168T	PH130-0034
15ELH 4-Stroke	19.7ci - 15HP	99-08	Retaining Ring Design	UT	12	50-852570T	PH130-0034
15ELH 4-Stroke	19.7ci - 15HP	98	All	UT	12	50-852570	PH130-0034
15ELHPT Pro Kicker 4-Stroke	21.4ci - 15HP	09-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
15ELPT 4-Stroke	21.4ci - 15HP	09-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
15ELPT Pro Kicker 4-Stroke	21.4ci - 15HP	09-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
15EXLHPT Pro Kicker 4-Stroke	21.4ci - 15HP	09-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
15EXLPT Pro Kicker 4-Stroke	21.4ci - 15HP	09-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
18E	24.4ci - 18HP	80-84	All	UT	12	50-90983A1	PH130-0021
18EL	24.4ci - 18HP	80-84	All	UT	12	50-90983A1	PH130-0021
20E	24.4ci - 20HP	84-88	All	UT	12	50-90983A1	PH130-0021
20E 4-Stroke	21.4ci - 20HP	09-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
20EH	24.4ci - 20HP	97-98	All	UT	12	50-90983A1	PH130-0021
20EH 4-Stroke	21.4ci - 20HP	09-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
20EL	24.4ci - 20HP	84-98	All	UT	12	50-90983A1	PH130-0021
20ELH 4-Stroke	21.4ci - 20HP	09-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
20ELHPT 4-Stroke	21.4ci - 20HP	09-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
20ELPT 4-Stroke	21.4ci - 20HP	09-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
20EPT 4-Stroke	21.4ci - 20HP	09-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
25 3Cylinder 4-Stroke	32.1ci - 25HP	06-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
25E	24.4ci - 25HP	99-05	All	UT	12	50-90983T1	PH130-0021
25E	24.4ci - 25HP	80-98	All	UT	12	50-90983A1	PH130-0021
25E B/F 4-Stroke	30.4ci - 25HP	99-05	Nut Design	UT	12	50-859169T	PH130-0029
25E B/F 4-Stroke	30.4ci - 25HP	99-05	Retaining Ring Design	UT	12	50-830308T	PH130-0029
25E B/F 4-Stroke	30.4ci - 25HP	98	All	UT	12	50-830308-1	PH130-0029
25E EFI	32.1ci - 25HP	06-08	Hitachi Starter	HI	12	50-803835T03	PH130-0006
25EH	24.4ci - 25HP	99-05	All	UT	12	50-90983T1	PH130-0021
25EH	24.4ci - 25HP	85-98	All	UT	12	50-90983A1	PH130-0021
25EH B/F 4-Stroke	30.4ci - 25HP	99-04	Nut Design	UT	12	50-859169T	PH130-0029
25EH B/F 4-Stroke	30.4ci - 25HP	99-04	Retaining Ring Design	UT	12	50-830308T	PH130-0029
25EH B/F 4-Stroke	30.4ci - 25HP	98	All	UT	12	50-830308-1	PH130-0029
25EH EFI	32.1ci - 25HP	06-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
25EL	24.4ci - 25HP	99-05	All	UT	12	50-90983T1	PH130-0021
25EL	24.4ci - 25HP	80-98	All	UT	12	50-90983A1	PH130-0021
25EL B/F 4-STROKE	30.4ci - 25HP	99-05	Nut Design	UT	12	50-859169T	PH130-0029
25EL B/F 4-STROKE	30.4ci - 25HP	99-05	Retaining Ring Design	UT	12	50-830308T	PH130-0029
25EL B/F 4-STROKE	30.4ci - 25HP	98	All	UT	12	50-830308-1	PH130-0029

PROTORQUE - Outboard Starters & Components



TOLL FREE: 844-786-7783

LOCAL: 609-654-6020

FAX: 609-654-5710

WEB: [www.protorqueparts.com](http://www.protorqueparts.com)

# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

**PROTORQUE - Outboard Starters & Components**

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MERCURY - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
25EL EFI	32.1ci - 25HP	06-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
25ELH	24.4ci - 25HP	99-05	All	UT	12	50-90983T1	PH130-0021
25ELH	24.4ci - 25HP	85-98	All	UT	12	50-90983A1	PH130-0021
25ELH B/F 4-Stroke	30.4ci - 25HP	99-05	Nut Design	UT	12	50-859169T	PH130-0029
25ELH B/F 4-Stroke	30.4ci - 25HP	99-05	Retaining Ring Design	UT	12	50-830308T	PH130-0029
25ELH B/F 4-Stroke	30.4ci - 25HP	98	All	UT	12	50-830308-1	PH130-0029
25ELH EFI	32.1ci - 25HP	06-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
25ELH GA Jet EFI 4-Stroke	32.1ci - 25HP	10-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
25ELHPT EFI	32.1ci - 25HP	06-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
25ELPT B/F 4-Stroke	30.4ci - 25HP	99-05	Nut Design	UT	12	50-859169T	PH130-0029
25ELPT B/F 4-Stroke	30.4ci - 25HP	99-05	Retaining Ring Design	UT	12	50-830308T	PH130-0029
25ELPT B/F 4-Stroke	30.4ci - 25HP	98	All	UT	12	50-830308-1	PH130-0029
25ELPT EFI	32.1ci - 25HP	06-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
25ELPT Jet EFI 4-Stroke	32.1ci - 25HP	08-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
30E 4-Stroke	45.6ci - 30HP	99-01	Nut Design	UT	12	50-859170T	PH130-0028
30E 4-Stroke	45.6ci - 30HP	99-01	Retaining Ring Design	UT	12	50-854636T	PH130-0028
30E EFI 4-Stroke	30HP - 3cyl	02-05	All	UT	12	50-884045T	PH130-0028
30EHO	39.3ci - 30HP	00-02	All	UT	12	50-822462-1	PH130-0024
30EHO	39.3ci - 30HP	98-99	Match OE 50-822462	UT	12	50-822462	PH130-0024
30EHO	39.3ci - 30HP	98-99	Match OE 50-822462-1	UT	12	50-822462-1	PH130-0024
30EHO	39.3ci - 30HP	95-97	All	UT	12	50-822462	PH130-0024
30EL 4-Stroke	45.6ci - 30HP	99-01	Nut Design	UT	12	50-859170T	PH130-0028
30EL 4-Stroke	45.6ci - 30HP	99-01	Retaining Ring Design	UT	12	50-854636T	PH130-0028
30EL EFI 4-Stroke	32.1ci - 30HP	06-09	Hitachi Starter	HI	12	50-803835T03	PH130-0006
30EL EFI 4-Stroke	45.6ci - 30HP	02-05	All	UT	12	50-884045T	PH130-0028
30EL GA EFI 4-Stroke	32.1ci - 30HP	10-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
30ELH 4-Stroke	32.1ci - 30HP	06-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
30ELH 4-Stroke	45.6ci - 30HP	99-05	Nut Design	UT	12	50-859170T	PH130-0028
30ELH 4-Stroke	45.6ci - 30HP	99-05	Retaining Ring Design	UT	12	50-854636T	PH130-0028
30ELH EFI 4-Stroke	32.1ci - 30HP	06-09	Hitachi Starter	HI	12	50-803835T03	PH130-0006
30ELH EFI 4-Stroke	45.6ci - 30HP	02-05	All	UT	12	50-884045T	PH130-0028
30ELH GA EFI 4-Stroke	32.1ci - 30HP	10-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
30ELHPT EFI 4-Stroke	32.1ci - 30HP	06-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
30ELHO	39.3ci - 30HP	00-02	All	UT	12	50-822462-1	PH130-0024
30ELHO	39.3ci - 30HP	98-99	Match OE 50-822462	UT	12	50-822462	PH130-0024
30ELHO	39.3ci - 30HP	98-99	Match OE 50-822462-1	UT	12	50-822462-1	PH130-0024
30ELHO	39.3ci - 30HP	95-97	All	UT	12	50-822462	PH130-0024
30ELO	30.3ci - 30HP	87-90	All	UT	12	50-97693M	PH130-0049
30ELO	39.3ci - 30HP	00-02	All	UT	12	50-822462-1	PH130-0024
30ELO	39.3ci - 30HP	98-99	Match OE 50-822462	UT	12	50-822462	PH130-0024
30ELO	39.3ci - 30HP	98-99	Match OE 50-822462-1	UT	12	50-822462-1	PH130-0024
30ELO	39.3ci - 30HP	94-97	All	UT	12	50-822462	PH130-0024
30ELPT 4-Stroke	45.6ci - 30HP	99-01	Nut Design	UT	12	50-859170T	PH130-0028
30ELPT 4-Stroke	45.6ci - 30HP	99-01	Retaining Ring Design	UT	12	50-854636T	PH130-0028
30ELPT EFI 4-Stroke	32.1ci - 30HP	06-On	Hitachi Starter	HI	12	50-803835T03	PH130-0006
30ELPT EFI 4-Stroke	30HP - 3cyl	02-05	All	UT	12	50-884045T	PH130-0028
30ELPTO	39.3ci - 30HP	00-01	All	UT	12	50-822462-1	PH130-0024
30ELPTO	39.3ci - 30HP	98-99	Match OE 50-822462	UT	12	50-822462	PH130-0024
30ELPTO	39.3ci - 30HP	98-99	Match OE 50-822462-1	UT	12	50-822462-1	PH130-0024
30ELPTO	39.3ci - 30HP	95-97	All	UT	12	50-822462	PH130-0024
30EO	30.3ci - 30HP	87-90	All	HI	12	50-97693M	PH130-0049
30EO	39.3ci - 30HP	00-02	All	UT	12	50-822462-1	PH130-0024
30EO	39.3ci - 30HP	98-99	Match OE 50-822462	UT	12	50-822462	PH130-0024
30EO	39.3ci - 30HP	98-99	Match OE 50-822462-1	UT	12	50-822462-1	PH130-0024
30EO	39.3ci - 30HP	94-97	All	UT	12	50-822462	PH130-0024
35E	33.3ci - 35HP	84-85	All	UT	12	50-41583	PH130-0072
35EH	33.3ci - 35HP	84	All	UT	12	50-41583	PH130-0072
35EL	33.3ci - 35HP	84-85	All	UT	12	50-41583	PH130-0072
35ELH	33.3ci - 35HP	84-85	All	UT	12	50-41583	PH130-0072
35ELO	33.3ci - 35HP	86-87	All	UT	12	50-41583	PH130-0072
35ELPT	33.3ci - 35HP	85	All	UT	12	50-41583	PH130-0072
35ELPTO	33.3ci - 35HP	86-87	All	UT	12	50-41583	PH130-0072
35EO	33.3ci - 35HP	86-87	All	UT	12	50-41583	PH130-0072
35HP	35HP	66-69	All	UT	12	50-38890	PH130-0040
35HP	35HP	65	All	UT	12	50-30829	PH130-0040
40E	33.3ci - 40HP	80-83	10 Tooth Drive	UT	12	50-41583	PH130-0072
40E	33.3ci - 40HP	80-83	9 Tooth Drive	UT	12	50-55601A2	PH130-0040
40E	33.3ci - 40HP	78-79	All	UT	12	50-55601A2	PH130-0040
40E 4-Stroke	45.6ci - 40HP	99-01	Nut Design	UT	12	50-859170T	PH130-0028
40E 4-Stroke	45.6ci - 40HP	99-01	Retaining Ring Design	UT	12	50-854636T	PH130-0028
40E EFI 4-Stroke	45.6ci - 40HP	02-09	All	UT	12	50-884045T	PH130-0028
40E GA EFI 4-Stroke	45.6ci - 40HP	07-On	All	UT	12	50-884045T	PH130-0028
40EH	33.3ci - 40HP	80-83	10 Tooth Drive	UT	12	50-41583	PH130-0072
40EH	33.3ci - 40HP	80-83	9 Tooth Drive	UT	12	50-55601A2	PH130-0040
40EH	33.3ci - 40HP	79	All	UT	12	50-55601A2	PH130-0040
40EL	33.3ci - 40HP	80-83	10 Tooth Drive	UT	12	50-41583	PH130-0072
40EL	33.3ci - 40HP	80-83	9 Tooth Drive	UT	12	50-55601A2	PH130-0040



# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MERCURY - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
40EL	33.3ci - 40HP	78-79	All	UT	12	50-55601A2	PH130-0040
40EL 4-Stroke	45.6ci - 40HP	99-01	Nut Design	UT	12	50-859170T	PH130-0028
40EL 4-Stroke	45.6ci - 40HP	99-01	Retaining Ring Design	UT	12	50-854636T	PH130-0028
40EL EFI 4-Stroke	45.6ci - 40HP	02-09	All	UT	12	50-884045T	PH130-0028
40EL GA EFI 4-Stroke	45.6ci - 40HP	07-On	All	UT	12	50-884045T	PH130-0028
40ELH	33.3ci - 40HP	80-83	10 Tooth Drive	UT	12	50-41583	PH130-0072
40ELH	33.3ci - 40HP	80-83	9 Tooth Drive	UT	12	50-55601A2	PH130-0040
40ELH	33.3ci - 40HP	79	All	UT	12	50-55601A2	PH130-0040
40ELH 4-Stroke	45.6ci - 40HP	00-01	Nut Design	UT	12	50-859170T	PH130-0028
40ELH 4-Stroke	45.6ci - 40HP	00-01	Retaining Ring Design	UT	12	50-854636T	PH130-0028
40ELH EFI 4-Stroke	45.6ci - 40HP	02-09	All	UT	12	50-884045T	PH130-0028
40ELH GA EFI 4-Stroke	45.6ci - 40HP	07-On	All	UT	12	50-884045T	PH130-0028
40ELHPT 4-Stroke	45.6ci - 40HP	99-01	Nut Design	UT	12	50-859170T	PH130-0028
40ELHPT 4-Stroke	45.6ci - 40HP	99-01	Retaining Ring Design	UT	12	50-854636T	PH130-0028
40ELHPT EFI 4-Stroke	45.6ci - 40HP	02-On	All	UT	12	50-884045T	PH130-0028
40ELHPTO	43.9ci - 40HP	97	Model 7040	UT	12	50-73521	PH130-0011
40ELHPTO	43.9ci - 40HP	97	Model 7043	UT	12	50-822462	PH130-0024
40ELHPTO	43.9ci - 40HP	89-96	All	UT	12	50-73521	PH130-0011
40ELHPTO	59.0ci - 40HP	00-05	All	UT	12	50-822462-1	PH130-0024
40ELHPTO	59.0ci - 40HP	99	Model 7043	UT	12	50-822462-1	PH130-0024
40ELHPTO	59.0ci - 40HP	99	Model 7043	UT	12	50-822462	PH130-0024
40ELO	43.9ci - 40HP	97	Model 7040	UT	12	50-73521	PH130-0011
40ELO	43.9ci - 40HP	97	Model 7041	UT	12	50-822462	PH130-0024
40ELO	43.9ci - 40HP	97	Model 7043	UT	12	50-822462	PH130-0024
40ELO	43.9ci - 40HP	89-96	All	UT	12	50-73521	PH130-0011
40ELO	59.0ci - 40HP	00-04	All	UT	12	50-822462-1	PH130-0024
40ELO	59.0ci - 40HP	99	Model 7041	UT	12	50-822462	PH130-0024
40ELO	59.0ci - 40HP	99	Model 7041	UT	12	50-822462-1	PH130-0024
40ELO	59.0ci - 40HP	99	Model 7043	UT	12	50-822462-1	PH130-0024
40ELO	59.0ci - 40HP	98	Model 7041	UT	12	50-822462	PH130-0024
40ELO	59.0ci - 40HP	98	Model 7043	UT	12	50-822462	PH130-0024
40ELPT 4-Stroke	45.6ci - 40HP	99-01	Nut Design	UT	12	50-859170T	PH130-0028
40ELPT 4-Stroke	45.6ci - 40HP	99-01	Retaining Ring Design	UT	12	50-854636T	PH130-0028
40ELPT 4-Stroke	45.6ci - 40HP	98	All	UT	12	50-822462	PH130-0024
40ELPT EFI 4-Stroke	45.6ci - 40HP	02-On	All	UT	12	50-884045T	PH130-0028
40ELPT B/F 4-Stroke	57.0ci - 40HP	01	4cyl Engine	UT	12	50-884044T	PH130-0033
40ELPT B/F 4-Stroke	45.6ci - 40HP	99-00	Nut Design	UT	12	50-859170T	PH130-0028
40ELPT B/F 4-Stroke	45.6ci - 40HP	99-00	Retaining Ring Design	UT	12	50-854636T	PH130-0028
40ELPT EFI B/F 4-Stroke	57.0ci - 40HP	02-On	4cyl Engine	UT	12	50-884044T	PH130-0033
40ELPT Jet EFI 4-Stroke	45.6ci - 40HP	08-On	All	UT	12	50-884045T	PH130-0028
40ELPTO	43.9ci - 40HP	97	Model 7040	UT	12	50-73521	PH130-0011
40ELPTO	43.9ci - 40HP	97	Model 7041	UT	12	50-822462	PH130-0024
40ELPTO	43.9ci - 40HP	97	Model 7043	UT	12	50-822462	PH130-0024
40ELPTO	43.9ci - 40HP	89-96	All	UT	12	50-73521	PH130-0011
40ELPTO	59.0ci - 40HP	00-05	All	UT	12	50-822462-1	PH130-0024
40ELPTO	59.0ci - 40HP	99	Model 7041	UT	12	50-822462	PH130-0024
40ELPTO	59.0ci - 40HP	99	Model 7041	UT	12	50-822462-1	PH130-0024
40ELPTO	59.0ci - 40HP	99	Model 7043	UT	12	50-822462-1	PH130-0024
40ELPTO	59.0ci - 40HP	98	Model 7041	UT	12	50-822462	PH130-0024
40ELPTO	59.0ci - 40HP	98	Model 7043	UT	12	50-822462	PH130-0024
40EO	43.9ci - 40HP	97	Model 7040	UT	12	50-73521	PH130-0011
40EO	43.9ci - 40HP	97	Model 7041	UT	12	50-822462	PH130-0024
40EO	43.9ci - 40HP	97	Model 7043	UT	12	50-822462	PH130-0024
40EO	43.9ci - 40HP	92-96	All	UT	12	50-73521	PH130-0011
40EO	59.0ci - 40HP	00-05	All	UT	12	50-822462-1	PH130-0024
40EO	59.0ci - 40HP	99	Model 7041	UT	12	50-822462	PH130-0024
40EO	59.0ci - 40HP	99	Model 7041	UT	12	50-822462-1	PH130-0024
40EO	59.0ci - 40HP	99	Model 7043	UT	12	50-822462-1	PH130-0024
40EO	59.0ci - 40HP	98	Model 7041	UT	12	50-822462	PH130-0024
40EO	59.0ci - 40HP	98	Model 7043	UT	12	50-822462	PH130-0024
40EO Jet 30	43.9ci - 40HP	97	Model 7040	UT	12	50-73521	PH130-0011
40EO Jet 30	43.9ci - 40HP	97	Model 7043	UT	12	50-822462	PH130-0024
40EO Jet 30	43.9ci - 40HP	94-96	All	UT	12	50-73521	PH130-0011
40EO Jet 30	59.0ci - 40HP	00-04	All	UT	12	50-822462-1	PH130-0024
40EO Jet 30	59.0ci - 40HP	99	Model 7043	UT	12	50-822462-1	PH130-0024
40EO Jet 30	59.0ci - 40HP	98	Model 7043	UT	12	50-822462	PH130-0024
40HP	33.3ci - 40HP	70-77	All	UT	12	50-55801A	PH130-0040
45ELHO	43.9ci - 45HP	86-88	All	UT	12	50-73521	PH130-0011
45ELHPTO	43.9ci - 45HP	88	All	UT	12	50-73521	PH130-0011
45ELO	43.9ci - 45HP	86-89	All	UT	12	50-73521	PH130-0011
45ELPTO	43.9ci - 45HP	86-89	All	UT	12	50-73521	PH130-0011
50E	43.9ci - 45HP	78-84	All	UT	12	50-73521	PH130-0011
50EH	43.9ci - 45HP	79-84	All	UT	12	50-73521	PH130-0011
50EL	43.9ci - 45HP	78-85	All	UT	12	50-73521	PH130-0011
50EL 4-Stroke	57.0ci - 50HP	98	From Serial# 0G472133-On	UT	12	50-834749	PH130-0081
50EL B/F 4-Stroke	57.0ci - 50HP	99-00	All	UT	12	50-834749	PH130-0081
50ELH	43.9ci - 45HP	79-85	All	UT	12	50-73521	PH130-0011

PROTORQUE - Outboard Starters & Components



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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

PROTORQUE - Outboard Starters & Components

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MERCURY - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
50ELHPT 4-Stroke	57.0ci - 50HP	01	All	UT	12	50-884044T	PH130-0033
50ELHPT 4-Stroke	57.0ci - 50HP	99-00	All	UT	12	50-834749	PH130-0081
50ELHPT EFI 4-Stroke	60.8ci - 50HP	06-On	All	UT	12	50-884044T	PH130-0033
50ELHPT EFI 4-Stroke	57.0ci - 50HP	02-05	All	UT	12	50-884044T	PH130-0033
50ELHPTO	51.8ci - 50HP	92-97	All	UT	12	50-44369A1	PH130-0015
50ELHPTO	59.0ci - 50HP	99-05	All	UT	12	50-822462-1	PH130-0024
50ELHPTO	59.0ci - 50HP	98	All	UT	12	50-822462	PH130-0024
50ELO	49.8ci - 50HP	88-90	All	UT	12	50-44369A1	PH130-0015
50ELO	49.8ci - 50HP	86-87	Match OE 4820140M030SM	UT	12	50-65436	PH130-0041
50ELO	49.8ci - 50HP	86-87	Match OE 4820340M030SM	UT	12	50-44369A1	PH130-0015
50ELO	51.8ci - 50HP	91-97	All	UT	12	50-44369A1	PH130-0015
50ELO	59.0ci - 50HP	99-02	All	UT	12	50-822462-1	PH130-0024
50ELO	59.0ci - 50HP	98	All	UT	12	50-822462	PH130-0024
50ELPT	43.9ci - 50HP	80-85	All	UT	12	50-73521	PH130-0011
50ELPT 4-Stroke	57.0ci - 50HP	01	All	UT	12	50-884044T	PH130-0033
50ELPT 4-Stroke	57.0ci - 50HP	99-00	All	UT	12	50-834749	PH130-0081
50ELPT 4-Stroke	57.0ci - 50HP	95-98	From Serial# 0G472133-On	UT	12	50-834749	PH130-0081
50ELPT EFI 4-Stroke	60.8ci - 50HP	04-On	All	UT	12	50-884044T	PH130-0033
50ELPT EFI 4-Stroke	57.0ci - 50HP	02-03	All	UT	12	50-884044T	PH130-0033
50ELPT B/F 4-Stroke	57.0ci - 50HP	01	All	UT	12	50-884044T	PH130-0033
50ELPT B/F 4-Stroke	57.0ci - 50HP	99-00	All	UT	12	50-834749	PH130-0081
50ELPT B/F 4-Stroke	57.0ci - 50HP	98	From Serial# 0G472133-On	UT	12	50-834749	PH130-0081
50ELPT B/F EFI 4-Stroke	60.8ci - 50HP	04-On	All	UT	12	50-884044T	PH130-0033
50ELPT B/F EFI 4-Stroke	57.0ci - 50HP	02-03	All	UT	12	50-884044T	PH130-0033
50ELPTO	49.8ci - 50HP	88-90	All	UT	12	50-44369A1	PH130-0015
50ELPTO	49.8ci - 50HP	86-87	Match OE 4820140M030SM	UT	12	50-65436	PH130-0041
50ELPTO	49.8ci - 50HP	86-87	Match OE 4820340M030SM	UT	12	50-44369A1	PH130-0015
50ELPTO	51.8ci - 50HP	91-97	All	UT	12	50-44369A1	PH130-0015
50ELPTO	59.0ci - 50HP	99-06	All	UT	12	50-822462-1	PH130-0024
50ELPTO	59.0ci - 50HP	98	All	UT	12	50-822462	PH130-0024
50EO	51.8ci - 50HP	92-95	All	UT	12	50-44369A1	PH130-0015
50HP	43.9ci - 50HP	76-77	All	UT	12	50-73521	PH130-0011
50HP	43.9ci - 50HP	75	All	UT	12	50-55801A	PH130-0040
50HP	43.9ci - 50HP	71-74	3091051-On	UT	12	50-55801A	PH130-0040
50HP	43.9ci - 50HP	71-74	To 3091050	UT	12	50-38890	PH130-0040
50HP	43.9ci - 50HP	68-70	All	UT	12	50-38890	PH130-0040
50HP	43.9ci - 50HP	66-67	Delco Unit Used Originally	UT	12	50-30829	PH130-0040
50HP	43.9ci - 50HP	66-67	From Serial 01857030	UT	12	50-38890	PH130-0040
50HP	43.9ci - 50HP	66-67	To Serial 01857029	UT	12	50-37345	PH130-0040
50HP	43.9ci - 50HP	65	All	UT	12	50-30829	PH130-0040
60E	49.8ci - 60HP	84	Match OE 4820140M030SM	UT	12	50-65436	PH130-0041
60E	49.8ci - 60HP	84	Match OE 4820340M030SM	UT	12	50-44369A1	PH130-0015
60EL	49.8ci - 60HP	84-85	Match OE 4820140M030SM	UT	12	50-65436	PH130-0041
60EL	49.8ci - 60HP	84-85	Match OE 4820340M030SM	UT	12	50-44369A1	PH130-0015
60ELHPT 4-Stroke	57.0ci - 60HP	01	All	UT	12	50-884044T	PH130-0033
60ELHPT EFI 4-Stroke	57.0ci - 60HP	02-On	All	UT	12	50-884044T	PH130-0033
60ELHPTO	51.8ci - 60HP	92-97	All	UT	12	50-44369A1	PH130-0015
60ELHPTO	59.0ci - 60HP	99-02	All	UT	12	50-822462-T1	PH130-0024
60ELHPTO	59.0ci - 60HP	98	All	UT	12	50-822462	PH130-0024
60ELO	49.8ci - 60HP	88-90	All	UT	12	50-44369A1	PH130-0015
60ELO	49.8ci - 60HP	86-87	Match OE 4820140M030SM	UT	12	50-65436	PH130-0041
60ELO	49.8ci - 60HP	86-87	Match OE 4820340M030SM	UT	12	50-44369A1	PH130-0015
60ELO	51.8ci - 60HP	91-97	All	UT	12	50-44369A1	PH130-0015
60ELO	59.0ci - 60HP	99-02	All	UT	12	50-822462-T1	PH130-0024
60ELO	59.0ci - 60HP	98	All	UT	12	50-822462	PH130-0024
60ELPT	49.8ci - 60HP	84-85	Match OE 4820140M030SM	UT	12	50-65436	PH130-0041
60ELPT	49.8ci - 60HP	84-85	Match OE 4820340M030SM	UT	12	50-44369A1	PH130-0015
60ELPT 4-Stroke	57.0ci - 60HP	01	All	UT	12	50-884044T	PH130-0033
60ELPT EFI 4-Stroke	57.0ci - 60HP	02-On	All	UT	12	50-884044T	PH130-0033
60ELPT B/F 4-Stroke	57.0ci - 60HP	01	All	UT	12	50-884044T	PH130-0033
60ELPT B/F EFI 4-Stroke	57.0ci - 60HP	02-On	All	UT	12	50-884044T	PH130-0033
60ELPTO	49.8ci - 60HP	88-90	All	UT	12	50-44369A1	PH130-0015
60ELPTO	49.8ci - 60HP	86-87	Match OE 4820140M030SM	UT	12	50-65436	PH130-0041
60ELPTO	49.8ci - 60HP	86-87	Match OE 4820340M030SM	UT	12	50-44369A1	PH130-0015
60ELPTO	51.8ci - 60HP	91-97	All	UT	12	50-44369A1	PH130-0015
60ELPTO	59.0ci - 60HP	99-05	All	UT	12	50-822462-T1	PH130-0024
60ELPTO	59.0ci - 60HP	98	All	UT	12	50-822462	PH130-0024
60ELPTO Big Foot	51.8ci - 60HP	95-97	All	UT	12	50-44369A1	PH130-0015
60ELPTO Big Foot	59.0ci - 60HP	99-05	All	UT	12	50-822462-T1	PH130-0024
60ELPTO Big Foot	59.0ci - 60HP	98	All	UT	12	50-822462	PH130-0024
60EO	51.8ci - 60HP	92-97	All	UT	12	50-44369A1	PH130-0015
60EO	59.0ci - 60HP	99-02	All	UT	12	50-822462-T1	PH130-0024
60EO	59.0ci - 60HP	98	All	UT	12	50-822462	PH130-0024
60EO Jet 45	51.8ci - 60HP	94-97	All	UT	12	50-44369A1	PH130-0015
60EO Jet 45	59.0ci - 60HP	99-05	All	UT	12	50-822462-T1	PH130-0024
60EO Jet 45	59.0ci - 60HP	98	All	UT	12	50-822462	PH130-0024
60EXLPT B/F EFI 4-Stroke	57.0ci - 6HP	09-On	All	UT	12	50-893888T	PH130-0033





# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MERCURY - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
65HP	65HP	76	All	UT	12	50-65436	PH130-0041
65HP	65HP	73-75	3660088-On	UT	12	50-65436	PH130-0041
65HP	65HP	73-75	To 3660087	PS	12	50-60315	PH130-0041
65HP	65HP	72	All	PS	12	50-60315	PH130-0041
65HP	65HP	70-71	2803562-2803821	PS	12	50-45822	PH130-0010
65HP	65HP	70-71	2803822-2997338	UT	12	50-57867	PH130-0042
65HP	65HP	70-71	2997399-On	PS	12	50-58788	PH130-0010
65HP	65HP	67-69	All	PS	12	50-45822	PH130-0010
65HP	65HP	66	All	UT	12	50-37274	PH130-0010
65HP	65HP	66	All	PS	12	50-45822	PH130-0010
65HP	65HP	65	All	UT	12	50-37274	PH130-0010
70E	49.8ci - 70HP	80-83	United Tech System	UT	12	50-65436	PH130-0041
70E	49.8ci - 70HP	78-79	United Tech System	UT	12	50-65436	PH130-0041
70EL	49.8ci - 70HP	80-83	United Tech System	UT	12	50-65436	PH130-0041
70EL	49.8ci - 70HP	78-79	United Tech System	UT	12	50-65436	PH130-0041
70ELPT	49.8ci - 70HP	80-83	United Tech System	UT	12	50-65436	PH130-0041
70ELPT	71.1ci - 70hp	87-89	United Tech System	UT	12	50-66015	PH130-0041
70ELPTO	71.1ci - 70hp	87-89	United Tech System	UT	12	50-66015	PH130-0041
70HP	49.8ci - 70HP	77	United Tech System	UT	12	50-65436	PH130-0041
75EL	66.6ci - 75HP	84-85	United Tech System	UT	12	50-66015	PH130-0041
75ELH	84.6ci - 75HP	00	All	UT	12	50-66015T-1	PH130-0019
75ELHPT 4-Stroke	84.6ci - 75HP	00-01	Hitachi System	HI	12	50-804312T1	PH130-0055
75ELHPTO	71.1ci - 75HP	89-93	United Tech System	UT	12	50-66015	PH130-0041
75ELHPTO	84.6ci - 75HP	00-02	All	UT	12	50-66015T-1	PH130-0019
75ELHPTO	84.6ci - 75HP	99	Match OE 50-66015	UT	12	50-66015	PH130-0041
75ELHPTO	84.6ci - 75HP	99	Match OE 50-66015T-1	UT	12	50-66015T-1	PH130-0019
75ELHPTO	84.6ci - 75HP	94-98	United Tech System	UT	12	50-66015	PH130-0041
75ELO	66.6ci - 75HP	86	United Tech System	UT	12	50-66015	PH130-0041
75ELO	71.1ci - 75HP	87-91	United Tech System	UT	12	50-66015	PH130-0041
75ELPT	66.6ci - 75HP	84-85	United Tech System	UT	12	50-66015	PH130-0041
75ELPT Optimax	1.5L - 92.9ci - 75HP DFI	05-On	All	DR	12	50-892339T	PH130-0066
75ELPT 4-Stroke	84.6ci - 75HP	00-05	Hitachi System	HI	12	50-804312T1	PH130-0055
75ELPT EFI 4-Stroke	1.7L - 105ci - 75HP	06-On	S/N 1B172291-1B366822	HI	12	50-881368T	PH130-0057
75ELPTO	66.6ci - 75HP	86	United Tech System	UT	12	50-66015	PH130-0041
75ELPTO	71.1ci - 75HP	87-93	United Tech System	UT	12	50-66015	PH130-0041
75ELPTO	84.6ci - 75HP	00-04	All	UT	12	50-66015T-1	PH130-0019
75ELPTO	84.6ci - 75HP	99	Match OE 50-66015	UT	12	50-66015	PH130-0041
75ELPTO	84.6ci - 75HP	99	Match OE 50-66015T-1	UT	12	50-66015T-1	PH130-0019
75ELPTO	84.6ci - 75HP	94-98	United Tech System	UT	12	50-66015	PH130-0041
80E	66.6ci - 80HP	78-82	United Tech System	UT	12	50-66015	PH130-0041
80EL	66.6ci - 80HP	78-83	United Tech System	UT	12	50-66015	PH130-0041
80ELO	71.1ci - 80HP	87-89	United Tech System	UT	12	50-66015	PH130-0041
80ELPT	66.6ci - 80HP	79-83	United Tech System	UT	12	50-66015	PH130-0041
80ELPTO	71.1ci - 80HP	87-89	United Tech System	UT	12	50-66015	PH130-0041
80HP	80HP	69-72	02783253-02886331	UT	12	50-57867	PH130-0042
80HP	80HP	69-72	02986444-On	PS	12	50-58788	PH130-0010
80HP	80HP	69-72	To 02670574	PS	12	50-45822	PH130-0010
85HP	85HP	76-77	All	UT	12	50-66015	PH130-0041
85HP	85HP	73-75	Serial Group 1	PS	12	50-58788	PH130-0010
85HP	85HP	73-75	Serial Group 2	UT	12	50-67341	PH130-0010
90 Sport Jet	1.2L - 75.1ci - 90HP	93-95	Powerhead & Jet Drive	UT	12	50-819968-1	PH130-0009
90EL	1.6L - 99.8ci - 90HP	78-85	United Tech System	UT	12	50-72467	PH130-0042
90ELHPT 4-Stroke	1.6L - 97.4ci - 90HP	00-01	Hitachi System	HI	12	50-804312T1	PH130-0055
90ELHPTO	1.2L - 71.1ci - 90HP	91-93	United Tech System	UT	12	50-66015	PH130-0041
90ELHPTO	1.4L - 84.6ci - 90HP	00-02	All	UT	12	50-66015T-1	PH130-0019
90ELHPTO	1.4L - 84.6ci - 90HP	99	Match OE 50-66015	UT	12	50-66015	PH130-0041
90ELHPTO	1.4L - 84.6ci - 90HP	99	Match OE 50-66015T-1	UT	12	50-66015T-1	PH130-0019
90ELHPTO	1.4L - 84.6ci - 90HP	94-98	United Tech System	UT	12	50-66015	PH130-0041
90ELO	1.2L - 71.1ci - 90HP	87-88	United Tech System	UT	12	50-66015	PH130-0041
90ELO	1.6L - 99.8ci - 90HP	86	United Tech System	UT	12	50-72467	PH130-0042
90ELPT	1.6L - 99.8ci - 90HP	78-85	United Tech System	UT	12	50-72467	PH130-0042
90ELPT Optimax	1.5L - 92.9ci - 90HP DFI	06-On	All	DR	12	50-892339T	PH130-0066
90ELPT 4-Stroke	1.6L - 97.4ci - 90HP	00-05	Hitachi System	HI	12	50-804312T1	PH130-0055
90ELPT EFI 4-Stroke	1.7L - 105ci - 90HP	06-On	S/N 1B172291-1B366822	HI	12	50-881368T	PH130-0057
90ELPT Saltwater 4-Stroke	1.6L - 97.4ci - 90HP	04-05	Hitachi System	HI	12	50-804312T1	PH130-0055
90ELPTO	1.2L - 71.1ci - 90HP	87-93	United Tech System	UT	12	50-66015	PH130-0041
90ELPTO	1.4L - 84.6ci - 90HP	00-09	All	UT	12	50-66015T-1	PH130-0019
90ELPTO	1.4L - 84.6ci - 90HP	99	Match OE 50-66015	UT	12	50-66015	PH130-0041
90ELPTO	1.4L - 84.6ci - 90HP	99	Match OE 50-66015T-1	UT	12	50-66015T-1	PH130-0019
90ELPTO	1.4L - 84.6ci - 90HP	94-98	United Tech System	UT	12	50-66015	PH130-0041
90ELPTO	1.6L - 99.8ci - 90HP	86	United Tech System	UT	12	50-72467	PH130-0042
90ELPTO Coastal	1.4L - 84.6ci - 90HP	99	Match OE 50-66015	UT	12	50-66015	PH130-0041
90ELPTO Coastal	1.4L - 84.6ci - 90HP	99	Match OE 50-66015T-1	UT	12	50-66015T-1	PH130-0019
90ELPTO Saltwater	1.4L - 84.6ci - 90HP	00-05	All	UT	12	50-66015T-1	PH130-0019
90ELPTO Jet 65	1.4L - 84.6ci - 90HP	00-06	All	UT	12	50-66015T-1	PH130-0019
90ELPTO Jet 65	1.4L - 84.6ci - 90HP	99	Match OE 50-66015	UT	12	50-66015	PH130-0041
90ELPTO Jet 65	1.4L - 84.6ci - 90HP	99	Match OE 50-66015T-1	UT	12	50-66015T-1	PH130-0019

PROTORQUE - Outboard Starters & Components



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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

**PROTORQUE - Outboard Starters & Components**

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MERCURY - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
90ELPTO Jet 65	1.4L - 84.6ci - 90HP	94-98	United Tech System	UT	12	50-66015	PH130-0041
90ELXPT EFI 4-Stroke	1.7L - 105ci - 90HP	06-On	S/N 1B172291-1B366822	HI	12	50-881368T2	PH130-0057
90EXLPT Optimax	1.5L - 92.9ci - 90HP DFI	06-On	All	DR	12	50-892339T	PH130-0066
90EXLPT Saltwater 4-Stroke	1.6L - 97.4ci - 90HP	01-05	Hitachi System	HI	12	50-804312T1	PH130-0055
90EXLPTO Saltwater	1.4L - 84.6ci - 90HP	00-05	All	UT	12	50-66015T-1	PH130-0019
90HP	90HP	65	All	UT	12	50-37274	PH130-0010
95HP	95HP	66-67	MC950E	UT	12	50-37274	PH130-0010
95HP	95HP	66-67	MC950E-SS-1	PS	12	50-45822	PH130-0010
95XR Sport Jet	1.2L - 75.1ci - 95HP	96-97	Powerhead & Jet Drive	UT	12	50-819968-1	PH130-0009
100ELPTO	1.7L - 105ci - 100HP	88-93	United Tech System	UT	12	50-66015-1	PH130-0019
100ELPTO	1.9L - 113ci - 100HP	94-00	United Tech System	UT	12	50-66015-3	PH130-0019
100EXLPTO	1.7L - 105ci - 100HP	88-89	United Tech System	UT	12	50-66015-1	PH130-0019
100EXLHPTO	1.9L - 113ci - 100HP	97-00	United Tech System	UT	12	50-66015-3	PH130-0019
100HP	100HP	69	Prestolite System	PS	12	50-55304A-1	PH130-0042
100HP	100HP	65	All	UT	12	50-31976	PH130-0010
110HP	110HP	66-67	MC1100E	UT	12	50-37274	PH130-0010
110HP	110HP	66-67	MC1100E-SS-1	PS	12	50-45822	PH130-0010
115 Optimax	115HP DFI	00	United Tech System	UT	12	50-856996T	PH130-0067
115 Optimax Saltwater	115HP DFI	00	United Tech System	UT	12	50-856996T	PH130-0067
115 Optimax Saltwater	115HP DFI	00	United Tech System	UT	12	50-856996T	PH130-0067
115XCL Optimax Saltwater	115HP DFI	00	United Tech System	UT	12	50-856996T	PH130-0067
115EL	1.6L - 99.8ci - 115HP	78-85	United Tech System	UT	12	50-72467	PH130-0042
115EL	1.6L - 99.8ci - 115HP	76-77	Prestolite System	PS	12	50-64975	PH130-0037
115EL	1.6L - 99.8ci - 115HP	76-77	United Tech System	UT	12	50-72467	PH130-0042
115ELPT	1.6L - 99.8ci - 115HP	78-85	United Tech System	UT	12	50-72467	PH130-0042
115ELPT	1.6L - 99.8ci - 115HP	76-77	Prestolite System	PS	12	50-64975	PH130-0037
115ELPT	1.6L - 99.8ci - 115HP	76-77	United Tech System	UT	12	50-72467	PH130-0042
115ELPT EFI 4-Stroke	1.7L - 105ci - 115HP	01-On	All Exc S/N 1B366823 & Up	HI	12	50-881368T1	PH130-0057
115ELPT EFI Saltwater 4-Stroke	1.7L - 105ci - 115HP	04-05	All Exc S/N 1B366823 & Up	HI	12	50-881368T1	PH130-0057
115ELPT Optimax	1.5L - 92.9ci - 115HP DFI	04-On	Delco System	DR	12	50-853329T	PH130-0066
115ELPT Pro XS Optimax	1.5L - 92.9ci - 115HP DFI	10-On	Delco System	DR	12	50-853329T01	PH130-0066
115ELPT Saltwater Optimax	1.5L - 92.9ci - 115HP DFI	04-05	Delco System	DR	12	50-853329T	PH130-0066
115ELPTO	1.6L - 99.8ci - 115HP	86-88	United Tech System	UT	12	50-72467	PH130-0042
115ELPTO	1.7L - 105ci - 115HP	89-93	United Tech System	UT	12	50-66015-1	PH130-0019
115ELPTO	1.9L - 113ci - 115HP	94-05	United Tech System	UT	12	50-66015-3	PH130-0019
115ELPTO Coastal	1.9L - 113ci - 115HP	00-01	All	UT	12	50-66015T-1	PH130-0019
115ELPTO Coastal	1.9L - 113ci - 115HP	99	United Tech System	UT	12	50-66015-3	PH130-0019
115ELPTO Jet 80	1.9L - 113ci - 115HP	94-05	United Tech System	UT	12	50-66015-3	PH130-0019
115ELPTO Saltwater	1.9L - 113ci - 115HP	00-05	United Tech System	UT	12	50-66015-3	PH130-0019
115EXLPT	1.6L - 99.8ci - 115HP	78-85	United Tech System	UT	12	50-72467	PH130-0042
115EXLPT EFI 4-Stroke	1.7L - 105ci - 115HP	06-On	All Exc S/N 1B366823 & Up	HI	12	50-881368T1	PH130-0057
115EXLPT EFI Saltwater 4-Stroke	1.7L - 105ci - 115HP	01-05	All Exc S/N 1B366823 & Up	HI	12	50-881368T1	PH130-0057
115EXLPT Optimax	1.5L - 92.9ci - 115HP DFI	04-On	Delco System	DR	12	50-853329T	PH130-0066
115EXLPT Saltwater Optimax	1.5L - 92.9ci - 115HP DFI	04-05	Delco System	DR	12	50-853329T	PH130-0066
115EXLPTO	1.6L - 99.8ci - 115HP	86-88	United Tech System	UT	12	50-72467	PH130-0042
115EXLPTO	1.7L - 105ci - 115HP	89-93	United Tech System	UT	12	50-66015-1	PH130-0019
115EXLPTO Saltwater	1.9L - 113ci - 115HP	94-05	United Tech System	UT	12	50-66015-3	PH130-0019
115HP	115HP	73-74	Prestolite System	PS	12	50-64975	PH130-0037
115HP	115HP	73-74	United Tech System	UT	12	50-72467	PH130-0042
115HP	115HP	70-72	Prestolite System	PS	12	50-57465A1	PH130-0042
120 Sport Jet	1.7L - 103ci - 120HP	95	Powerhead & Jet Drive	UT	12	50-819968-1	PH130-0009
120XR Sport Jet	1.7L - 103ci - 120HP	96-98	Powerhead & Jet Drive	UT	12	50-819968-1	PH130-0009
120XR2 Spor Jet	1.7L - 103ci - 120HP	99-00	Powerhead & Jet Drive	UT	12	50-819968-4	PH130-0009
125ELPTO	1.9L - 113ci - 125HP	94-04	United Tech System	UT	12	50-66015-3	PH130-0019
125ELPTO Saltwater	1.9L - 113ci - 125HP	02-04	United Tech System	UT	12	50-66015-3	PH130-0019
125EXLPTO	1.9L - 113ci - 125HP	94-01	United Tech System	UT	12	50-66015-3	PH130-0019
125EXLPTO Saltwater	1.9L - 113ci - 125HP	02-04	United Tech System	UT	12	50-66015-3	PH130-0019
125HP	125HP	68-69	All	UT	12	50-48643	PH130-0010
135CXL	2.0L - 121.9ci - 135HP	90-00	United Tech System	UT	12	50-79472	PH130-0046
135CXL Optimax	2.5L - 153.0ci - 135HP	06-On	All	DR	12	50-853329T	PH130-0066
135CXL Optimax	2.5L - 153.0ci - 135HP	01-05	S/N OT178500-Up	DR	12	50-853329T	PH130-0066
135CXL Optimax	2.5L - 153.0ci - 135HP	01-05	S/N OG960500-OT178499	UT	12	50-856996T	PH130-0067
135CXL Optimax	2.5L - 153.0ci - 135HP	98-99	S/N OG59000-OG960999	UT	12	50-833153-2	PH130-0030
135CXL Verado 4-Stroke	1.7L - 105.7ci - 135HP	06-On	All	DR	12	50-853329T	PH130-0066
135ELPTO Marathon	2.0L - 121.9ci - 135HP	86-88	United Tech System	UT	12	50-79472	PH130-0046
135EXLPTO Marathon	2.0L - 121.9ci - 135HP	86-88	United Tech System	UT	12	50-79472	PH130-0046
135HP	135HP	70-71	Prestolite System	PS	12	50-57465A1	PH130-0042
135L	2.0L - 121.9ci - 135HP	89-00	United Tech System	UT	12	50-79472	PH130-0046
135L Optimax	2.5L - 153.0ci - 135HP	06-On	All	DR	12	50-853329T	PH130-0066
135L Optimax	2.5L - 153.0ci - 135HP	01-05	S/N OT178500-Up	DR	12	50-853329T	PH130-0066
135L Optimax	2.5L - 153.0ci - 135HP	01-05	S/N OG960500-OT178499	UT	12	50-856996T	PH130-0067
135L Optimax	2.5L - 153.0ci - 135HP	98-99	S/N OG59000-OG960999	UT	12	50-833153-2	PH130-0030
135L Verado 4-Stroke	1.7L - 105.7ci - 135HP	06-09	All	DR	12	50-853329T	PH130-0066
135XL	2.0L - 121.9ci - 135HP	89-00	United Tech System	UT	12	50-79472	PH130-0046
135XL Optimax	2.5L - 153.0ci - 135HP	06-On	All	DR	12	50-853329T	PH130-0066
135XL Optimax	2.5L - 153.0ci - 135HP	01-05	S/N OT178500-Up	DR	12	50-853329T	PH130-0066
135XL Optimax	2.5L - 153.0ci - 135HP	01-05	S/N OG960500-OT178499	UT	12	50-856996T	PH130-0067



# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MERCURY - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
135XL Optimax	2.5L - 153.0ci - 135HP	98-99	S/N OG59000-OG960499	UT	12	50-833153-2	PH130-0030
135XL Verado 4-Stroke	1.7L - 105.7ci - 135HP	06-09	All	DR	12	50-853329T	PH130-0066
140EL	1.6L - 99.8ci - 140HP	78-81	United Tech System	UT	12	50-72467	PH130-0042
140ELPT	1.6L - 99.8ci - 140HP	78-81	United Tech System	UT	12	50-72467	PH130-0042
150 EFI	2.5L - 153.0ci - 150HP	06-09	All	DR	12	50-853329T	PH130-0066
150CXL	2.0L - 121.9ci - 150HP	89-99	United Tech System	UT	12	50-79472	PH130-0046
150CXL Optimax	2.5L - 153.0ci - 150HP	06-On	All	DR	12	50-853329T	PH130-0066
150CXL Optimax	2.5L - 153.0ci - 150HP	00-05	S/N OT178500-Up	DR	12	50-853329T	PH130-0066
150CXL Optimax	2.5L - 153.0ci - 150HP	00-05	S/N OG960500-OT178499	UT	12	50-856996T	PH130-0067
150CXL Optimax	2.5L - 153.0ci - 150HP	98-99	S/N OG59000-OG960499	UT	12	50-833153-2	PH130-0030
150CXL EFI	2.5L - 153.0ci - 150HP	95-00	United Tech System	UT	12	50-79472	PH130-0046
150CXL EFI Saltwater	2.5L - 153.0ci - 150HP	99-05	United Tech System	UT	12	50-79472	PH130-0046
150CXL Saltwater	2.5L - 153.0ci - 150HP	99-05	United Tech System	UT	12	50-79472-1	PH130-0046
150CXL Verado 4-Stroke	1.7L - 105.7ci - 150HP	06-09	All	DR	12	50-853329T	PH130-0066
150EL	2.0L - 121.9ci - 150HP	74-77	Prestolite System	PS	12	50-64975	PH130-0037
150EL	2.0L - 121.9ci - 150HP	74-77	United Tech System	UT	12	50-72467	PH130-0042
150ELPT	2.0L - 121.9ci - 150HP	78-85	Match OE 1065221M030SM	UT	12	50-72467	PH130-0042
150ELPT	2.0L - 121.9ci - 150HP	78-85	Match OE 1491624M030SM	UT	12	50-77141	PH130-0046
150ELPT	2.0L - 121.9ci - 150HP	78-85	Match OE 1718328M030SM	UT	12	50-79472	PH130-0046
150ELPT	2.0L - 121.9ci - 150HP	78-85	Match OE MJL4003B	PS	12	50-64975	PH130-0037
150ELPT	2.0L - 121.9ci - 150HP	76-77	Prestolite System	PS	12	50-64975	PH130-0037
150ELPT	2.0L - 121.9ci - 150HP	76-77	United Tech System	UT	12	50-72467	PH130-0042
150ELPTO	2.0L - 121.9ci - 150HP	86-88	United Tech System	UT	12	50-79472	PH130-0046
150ELPTO XR2	2.0L - 121.9ci - 150HP	86-87	United Tech System	UT	12	50-79472	PH130-0046
150ELPTO XR2	2.0L - 121.9ci - 150HP	84-85	Match OE 1065221M030SM	UT	12	50-72467	PH130-0042
150ELPTO XR2	2.0L - 121.9ci - 150HP	84-85	Match OE 1491624M030SM	UT	12	50-77141	PH130-0046
150ELPTO XR2	2.0L - 121.9ci - 150HP	84-85	Match OE 1718328M030SM	UT	12	50-79472	PH130-0046
150ELPTO XR2	2.0L - 121.9ci - 150HP	84-85	Match OE MJL4003B	PS	12	50-64975	PH130-0037
150ELPTO XR4	2.3L - 142.2ci - 150HP	88-91	United Tech System	UT	12	50-79472	PH130-0046
150ELXPTO	2.0L - 121.9ci - 150HP	86-88	United Tech System	UT	12	50-79472	PH130-0046
150ELXPTO	2.0L - 121.9ci - 150HP	84-85	Match OE 1065221M030SM	UT	12	50-72467	PH130-0042
150ELXPTO	2.0L - 121.9ci - 150HP	84-85	Match OE 1491624M030SM	UT	12	50-77141	PH130-0046
150ELXPTO	2.0L - 121.9ci - 150HP	84-85	Match OE 1718328M030SM	UT	12	50-79472	PH130-0046
150ELXPTO	2.0L - 121.9ci - 150HP	84-85	Match OE MJL4003B	PS	12	50-64975	PH130-0037
150EXLPT	2.0L - 121.9ci - 150HP	78-85	Match OE 1065221M030SM	UT	12	50-72467	PH130-0042
150EXLPT	2.0L - 121.9ci - 150HP	78-85	Match OE 1491624M030SM	UT	12	50-77141	PH130-0046
150EXLPT	2.0L - 121.9ci - 150HP	78-85	Match OE 1718328M030SM	UT	12	50-79472	PH130-0046
150EXLPT	2.0L - 121.9ci - 150HP	78-85	Match OE MJL4003B	PS	12	50-64975	PH130-0037
150HP	150HP	73-77	Prestolite System	PS	12	50-64975	PH130-0037
150HP	150HP	73-77	United Tech System	UT	12	50-72467	PH130-0042
150L	2.0L - 121.9ci - 150HP	89-05	United Tech System	UT	12	50-79472	PH130-0046
150L Optimax	2.5L - 153.0ci - 150HP	06-On	All	DR	12	50-853329T	PH130-0066
150L Optimax	2.5L - 153.0ci - 150HP	00-05	S/N OT178500-Up	DR	12	50-853329T	PH130-0066
150L Optimax	2.5L - 153.0ci - 150HP	00-05	S/N OG960500-OT178499	UT	12	50-856996T	PH130-0067
150L Optimax	2.5L - 153.0ci - 150HP	98-99	S/N OG59000-OG960499	UT	12	50-833153-2	PH130-0030
150L EFI	2.5L - 153.0ci - 150HP	96-05	United Tech System	UT	12	50-79472	PH130-0046
150L EFI Saltwater	2.5L - 153.0ci - 150HP	99-05	United Tech System	UT	12	50-79472	PH130-0046
150L Jet 105	2.0L - 121.9ci - 150HP	95-98	United Tech System	UT	12	50-79472	PH130-0046
150L Pro Max	2.0L - 121.9ci - 150HP	98	United Tech System	UT	12	50-79472	PH130-0046
150L Pro XS Optimax	150HP	11-On	All	DR	12	50-853329T	PH130-0066
150L Verado 4-Stroke	1.7L - 105.7ci - 150HP	06-On	All	DR	12	50-853329T	PH130-0066
150L XR6	2.5L - 153.0ci - 150HP	99-05	United Tech System	UT	12	50-79472-1	PH130-0046
150SS Pro Max	2.5L - 153.0ci - 150HP	98	United Tech System	UT	12	50-79472	PH130-0046
150XL	2.0L - 121.9ci - 150HP	89-98	United Tech System	UT	12	50-79472	PH130-0046
150XL EFI	2.5L - 153.0ci - 150HP	06-On	All	DR	12	50-853329T	PH130-0066
150XL EFI	2.5L - 153.0ci - 150HP	95-00	United Tech System	UT	12	50-79472	PH130-0046
150XL EFI Saltwater	2.5L - 153.0ci - 150HP	99-05	United Tech System	UT	12	50-79472	PH130-0046
150XL Optimax	2.5L - 153.0ci - 150HP	06-On	All	DR	12	50-853329T	PH130-0066
150XL Optimax	2.5L - 153.0ci - 150HP	00-05	S/N OT178500-Up	DR	12	50-853329T	PH130-0066
150XL Optimax	2.5L - 153.0ci - 150HP	00-05	S/N OG960500-OT178499	UT	12	50-856996T	PH130-0067
150XL Optimax	2.5L - 153.0ci - 150HP	98-99	S/N OG59000-OG960499	UT	12	50-833153-2	PH130-0030
150XL Pro XS Optimax	150HP	11-On	All	DR	12	50-853329T	PH130-0066
150XL Saltwater	2.5L - 153.0ci - 150HP	99-05	United Tech System	UT	12	50-79472-1	PH130-0046
150XL Verado 4-Stroke	1.7L - 105.7ci - 150HP	06-On	All	DR	12	50-853329T	PH130-0066
150XR6	2.5L - 153.0ci - 150HP	92-98	United Tech System	UT	12	50-79472	PH130-0046
150XRI EFI	2.5L - 153.0ci - 150HP	93-95	United Tech System	UT	12	50-79472	PH130-0046
175CXL	2.3L - 142.2ci - 175HP	89	United Tech System	UT	12	50-79472	PH130-0046
175CXL	2.5L - 153.0ci - 175HP	92-99	United Tech System	UT	12	50-79472	PH130-0046
175CXL EFI	2.5L - 153.0ci - 175HP	00	United Tech System	UT	12	50-79472-1	PH130-0046
175CXL Optimax	2.5L - 153.0ci - 175HP	03-10	Delco System	DR	12	50-853329T	PH130-0066
175CXL Verado 4-Stroke	1.7L - 105.7ci - 175HP	06-On	All	DR	12	50-853329T	PH130-0066
175ELPT	2.0L - 121.9ci - 175HP	76-81	Match OE 1065221M030SM	UT	12	50-72467	PH130-0042
175ELPT	2.0L - 121.9ci - 175HP	76-81	Match OE 1491624M030SM	UT	12	50-77141	PH130-0046
175ELPT	2.0L - 121.9ci - 175HP	76-81	Match OE 1718328M030SM	UT	12	50-79472	PH130-0046
175ELPT	2.0L - 121.9ci - 175HP	76-81	Match OE MJL4003B	PS	12	50-64975	PH130-0037
175ELPTO	2.3L - 142.2ci - 175HP	85-88	Match OE 1065221M030SM	UT	12	50-72467	PH130-0042
175ELPTO	2.3L - 142.2ci - 175HP	85-88	Match OE 1491624M030SM	UT	12	50-77141	PH130-0046

PROTORQUE - Outboard Starters & Components



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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

**PROTORQUE - Outboard Starters & Components**

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MERCURY - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
175ELPTO	2.3L - 142.2ci - 175HP	85-88	Match OE 1718328M030SM	UT	12	50-79472	PH130-0046
175ELPTO	2.3L - 142.2ci - 175HP	85-88	Match OE MJL4003B	PS	12	50-64975	PH130-0037
175EXLPT	2.0L - 121.9ci - 175HP	78-81	Match OE 1065221M030SM	UT	12	50-72467	PH130-0042
175EXLPT	2.0L - 121.9ci - 175HP	78-81	Match OE 1491624M030SM	UT	12	50-77141	PH130-0046
175EXLPT	2.0L - 121.9ci - 175HP	78-81	Match OE 1718328M030SM	UT	12	50-79472	PH130-0046
175EXLPT	2.0L - 121.9ci - 175HP	78-81	Match OE MJL4003B	PS	12	50-64975	PH130-0037
175EXLPTO	2.3L - 142.2ci - 175HP	85-88	Match OE 1065221M030SM	UT	12	50-72467	PH130-0042
175EXLPTO	2.3L - 142.2ci - 175HP	85-88	Match OE 1491624M030SM	UT	12	50-77141	PH130-0046
175EXLPTO	2.3L - 142.2ci - 175HP	85-88	Match OE 1718328M030SM	UT	12	50-79472	PH130-0046
175EXLPTO	2.3L - 142.2ci - 175HP	85-88	Match OE MJL4003B	PS	12	50-64975	PH130-0037
175L	2.3L - 142.2ci - 175HP	89-91	United Tech System	UT	12	50-79472	PH130-0046
175L	2.5L - 153.0ci - 175HP	92-99	United Tech System	UT	12	50-79472	PH130-0046
175L EFI	2.5L - 153.0ci - 175HP	99-02	United Tech System	UT	12	50-79472-1	PH130-0046
175L EFI	2.5L - 153.0ci - 175HP	96-98	United Tech System	UT	12	50-79472	PH130-0046
175L Optimax	2.5L - 153.0ci - 175HP	01-10	Delco System	DR	12	50-853329T	PH130-0066
175L Pro XS Optimax	2.5L - 153.0ci - 175HP	08-On	Delco System	DR	12	50-853329T	PH130-0066
175L Verado 4-Stroke	1.7L - 105.7ci - 175HP	06-On	All	DR	12	50-853329T	PH130-0066
175XL	2.3L - 142.2ci - 175HP	89-91	United Tech System	UT	12	50-79472	PH130-0046
175XL	2.5L - 153.0ci - 175HP	92-99	United Tech System	UT	12	50-79472	PH130-0046
175XL EFI	2.5L - 153.0ci - 175HP	99-02	United Tech System	UT	12	50-79472-1	PH130-0046
175XL EFI	2.5L - 153.0ci - 175HP	97-98	United Tech System	UT	12	50-79472	PH130-0046
175XL Optimax	2.5L - 153.0ci - 175HP	02-10	Delco System	DR	12	50-853329T	PH130-0066
175XL Pro XS Optimax	2.5L - 153.0ci - 175HP	08-On	Delco System	DR	12	50-853329T	PH130-0066
175XL Verado 4-Stroke	1.7L - 105.7ci - 175HP	06-On	All	DR	12	50-853329T	PH130-0066
175XLI	2.3L - 142.2ci - 175HP	91	United Tech System	UT	12	50-79472	PH130-0046
175XR2 Sport Jet	2.5L - 153.0ci - 175HP	97-01	Powerhead & Jet Drive	UT	12	50-832997-2	PH130-0031
175XRI EFI	2.5L - 153.0ci - 175HP	92-95	United Tech System	UT	12	50-79472	PH130-0046
200 Optimax Jet Drive	2.5L - 153.0ci - 210HP	01-02	Powerhead & Pump	DR	12	50-853329T	PH130-0066
200CXL	2.3L - 142.2ci - 200HP	89-90	United Tech System	UT	12	50-79472	PH130-0046
200CXL	2.5L - 153.0ci - 200HP	91-04	United Tech System	UT	12	50-79472	PH130-0046
200CXL EFI	2.5L - 153.0ci - 200HP	99-05	United Tech System	UT	12	50-79472-1	PH130-0046
200CXL EFI	2.5L - 153.0ci - 200HP	94-98	United Tech System	UT	12	50-79472	PH130-0046
200CXL Optimax	3.0L - 185.0ci - 200HP	01-On	S/N OT178500-Up	DR	12	50-853329T	PH130-0066
200CXL Optimax	3.0L - 185.0ci - 200HP	00	S/N OG960500-OT178499	UT	12	50-856996T	PH130-0067
200CXL Optimax	3.0L - 185.0ci - 200HP	98-99	S/N OG386496-OG960499	UT	12	50-833153-5	PH130-0030
200CXL DTS Optimax	3.0L - 185.0ci - 200HP	05-09	Delco System	DR	12	50-853329T	PH130-0066
200CXL Verado 4-Stroke	1.7L - 105.7ci - 200HP	08-On	Delco System	DR	12	50-853329T	PH130-0066
200CXL Verado 4-Stroke	2.6L - 158.5ci - 200HP	05-On	Delco System	DR	12	50-853329T	PH130-0066
200CXL Optimax	3.0L - 185.0ci - 200HP	01-02	S/N OT178500-Up	DR	12	50-853329T	PH130-0066
200CXL Optimax	3.0L - 185.0ci - 200HP	00	S/N OG960500-OT178499	UT	12	50-856996T	PH130-0067
200CXL Optimax	3.0L - 185.0ci - 200HP	98-99	S/N OG386496-OG960499	UT	12	50-833153-5	PH130-0030
200ELPT	2.3L - 142.2ci - 200HP	78-84	8 Tooth Drive	UT	12	50-79472	PH130-0046
200ELPT	2.3L - 142.2ci - 200HP	78-84	9 Tooth Drive	UT	12	50-86976	PH130-0067
200ELPTO	2.3L - 142.2ci - 200HP	84-88	8 Tooth Drive	UT	12	50-79472	PH130-0046
200ELPTO	2.3L - 142.2ci - 200HP	84-88	9 Tooth Drive	UT	12	50-86976	PH130-0067
200ELPTO XRI	2.3L - 142.2ci - 200HP	89-91	United Tech System	UT	12	50-79472	PH130-0046
200ELPTO XRI	2.5L - 153.0ci - 200HP	92-94	United Tech System	UT	12	50-79472	PH130-0046
200EXLPT	2.3L - 142.2ci - 200HP	78-84	8 Tooth Drive	UT	12	50-79472	PH130-0046
200EXLPT	2.3L - 142.2ci - 200HP	78-84	9 Tooth Drive	UT	12	50-86976	PH130-0067
200EXLPTO	2.3L - 142.2ci - 200HP	84-88	8 Tooth Drive	UT	12	50-79472	PH130-0046
200EXLPTO	2.3L - 142.2ci - 200HP	84-88	9 Tooth Drive	UT	12	50-86976	PH130-0067
200L	2.3L - 142.2ci - 200HP	89-90	United Tech System	UT	12	50-79472	PH130-0046
200L	2.3L - 142.2ci - 200HP	91-04	United Tech System	UT	12	50-79472	PH130-0046
200L EFI	2.5L - 153.0ci - 200HP	96-05	United Tech System	UT	12	50-79472	PH130-0046
200L Jet 140	2.5L - 153.0ci - 200HP	94-00	United Tech System	UT	12	50-79472	PH130-0046
200L Optimax	3.0L - 185.0ci - 200HP	01-09	S/N OT178500-Up	DR	12	50-853329T	PH130-0066
200L Optimax	3.0L - 185.0ci - 200HP	00	S/N OG960500-OT178499	UT	12	50-856996T	PH130-0067
200L Optimax	3.0L - 185.0ci - 200HP	98-99	S/N OG386496-OG960499	UT	12	50-833153-5	PH130-0030
200L DTS Optimax	3.0L - 185.0ci - 200HP	05-09	Delco System	DR	12	50-853329T	PH130-0066
200L Pro XS Optimax	3.0L - 185.0ci - 200HP	10-On	Delco System	DR	12	50-853329T	PH130-0066
200L Promax Racing	3.0L - 185.0ci - 200HP	98-99	United Tech System	UT	12	50-79472	PH130-0046
200L Verado 4-Stroke	1.7L - 105.7ci - 200HP	08-On	Delco System	DR	12	50-853329T	PH130-0066
200L Verado 4-Stroke	2.6L - 158.5ci - 200HP	05-On	Delco System	DR	12	50-853329T	PH130-0066
200SS Promax Racing	2.6L - 158.5ci - 200HP	98-99	United Tech System	UT	12	50-79472	PH130-0046
200XL	2.3L - 142.2ci - 200HP	89-90	United Tech System	UT	12	50-79472	PH130-0046
200XL	2.5L - 153.0ci - 200HP	91-04	United Tech System	UT	12	50-79472	PH130-0046
200XL EFI	2.5L - 153.0ci - 200HP	94-05	United Tech System	UT	12	50-79472	PH130-0046
200XL Optimax	3.0L - 185.0ci - 200HP	01-On	S/N OT178500-Up	DR	12	50-853329T	PH130-0066
200XL Optimax	3.0L - 185.0ci - 200HP	00	S/N OG960500-OT178499	UT	12	50-856996T	PH130-0067
200XL Optimax	3.0L - 185.0ci - 200HP	98-99	S/N OG386496-OG960499	UT	12	50-833153-5	PH130-0030
200XL DTS Optimax	3.0L - 185.0ci - 200HP	05-09	Delco System	DR	12	50-853329T	PH130-0066
200XL Verado 4-Stroke	1.7L - 105.7ci - 200HP	08-On	Delco System	DR	12	50-853329T	PH130-0066
200XL Verado 4-Stroke	2.6L - 158.5ci - 200HP	05-On	Delco System	DR	12	50-853329T	PH130-0066
200XRI EFI	2.5L - 153.0ci - 200HP	94-95	United Tech System	UT	12	50-79472	PH130-0046
200XS Optimax Racing	2.5L - 153.0ci - 200HP	06	Delco System	DR	12	50-853329T	PH130-0066
200XS CS Optimax Racing	2.5L - 153.0ci - 200HP	05	Delco System	DR	12	50-853329T	PH130-0066
200XSL Optimax Racing	2.5L - 153.0ci - 200HP	05	Delco System	DR	12	50-853329T	PH130-0066





# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>MERCURY - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
200XSL Optimax Racing	2.5L - 153.0ci - 200HP	00	Delco System	DR	12	50-853329T	PH130-0066
200XS SS Optimax Racing	2.5L - 153.0ci - 200HP	05	Delco System	DR	12	50-853329T	PH130-0066
200XS SS Optimax Racing	2.5L - 153.0ci - 200HP	00	Delco System	DR	12	50-853329T	PH130-0066
200XXL Optimax	3.0L - 185.0ci - 200HP	01-02	S/N OT178500-Up	DR	12	50-853329T	PH130-0066
200XXL Optimax	3.0L - 185.0ci - 200HP	00	S/N OG960500-OT178499	UT	12	50-856996T	PH130-0067
200XXL Optimax	3.0L - 185.0ci - 200HP	98-99	S/N OG386496-OG960499	UT	12	50-833153-5	PH130-0030
210 M2 Jet Drive	2.5L - 153.0ci - 210HP	00-01	Powerhead & Pump	UT	12	50-832997-2	PH130-0031
220ELPTO Laser XRI	2.3L - 142.2ci - 220HP	87-88	8 Tooth Drive	UT	12	50-79472	PH130-0046
220EXLPTO Laser XRI	2.3L - 142.2ci - 220HP	87-88	8 Tooth Drive	UT	12	50-79472	PH130-0046
225 Pro XS Optimax	3.0L - 185.0ci - 225HP	05-09	Delco System	DR	12	50-892339T	PH130-0066
225CL Promax Racing	2.5L - 153.0ci - 225HP	98-00	United Tech System	UT	12	50-79472	PH130-0046
225CS Promax Racing	2.5L - 153.0ci - 225HP	98-00	United Tech System	UT	12	50-79472	PH130-0046
225CXL	3.0L - 185.0ci - 225HP	94-99	United Tech System	UT	12	50-818445-3	PH130-0023
225CXL EFI	3.0L - 185.0ci - 225HP	02-04	S/N OT801000-Up	DR	12	50-853329T	PH130-0066
225CXL EFI	3.0L - 185.0ci - 225HP	01	S/N OT467334-OT800999	DR	12	50-853329T	PH130-0066
225CXL EFI	3.0L - 185.0ci - 225HP	01	S/N OT409000-OT467334	UT	12	50-856996T	PH130-0067
225CXL EFI	3.0L - 185.0ci - 225HP	95-00	S/N OG129222-OT408999	UT	12	50-818445-3	PH130-0023
225CXL EFI 4-Stroke	204.0ci - 225HP	03-06	S/N OT653945-Up	HI	12	50-888333T	PH130-0074
225CXL Optimax	3.0L - 185.0ci - 225HP	01-On	S/N OT178500-Up	DR	12	50-853329T	PH130-0066
225CXL Optimax	3.0L - 185.0ci - 225HP	00	S/N OG960500-OT178499	UT	12	50-856996T	PH130-0067
225CXL Optimax	3.0L - 185.0ci - 225HP	98-99	S/N OG386496-OG960499	UT	12	50-833153-5	PH130-0030
225CXL DTS Optimax	3.0L - 185.0ci - 225HP	04-09	S/N OT980000-Up	DR	12	50-853329T	PH130-0066
225CXL Seapro	3.0L - 185.0ci - 225HP	96-98	United Tech System	UT	12	50-818445-3	PH130-0023
225CXL Verado 4-Stroke	2.6L - 158.5ci - 225HP	05-On	Delco System	DR	12	50-892339T	PH130-0066
225CXLL	3.0L - 185.0ci - 225HP	94-99	United Tech System	UT	12	50-818445-3	PH130-0023
225CXLL EFI	3.0L - 185.0ci - 225HP	02-04	S/N OT801000-Up	DR	12	50-853329T	PH130-0066
225CXLL EFI	3.0L - 185.0ci - 225HP	01	S/N OT467334-OT800999	DR	12	50-853329T	PH130-0066
225CXLL EFI	3.0L - 185.0ci - 225HP	01	S/N OT409000-OT467334	UT	12	50-856996T	PH130-0067
225CXLL EFI	3.0L - 185.0ci - 225HP	95-00	S/N OG129222-OT408999	UT	12	50-818445-3	PH130-0023
225CXLL EFI 4-Stroke	204.0ci - 225HP	03-06	S/N OT653945-Up	HI	12	50-888333T	PH130-0074
225CXLL Optimax	3.0L - 185.0ci - 225HP	01-10	S/N OT178500-Up	DR	12	50-853329T	PH130-0066
225CXLL Optimax	3.0L - 185.0ci - 225HP	00	S/N OG960500-OT178499	UT	12	50-856996T	PH130-0067
225CXLL Optimax	3.0L - 185.0ci - 225HP	98-99	S/N OG386496-OG960499	UT	12	50-833153-5	PH130-0030
225CXLL DTS Optimax	3.0L - 185.0ci - 225HP	04-09	S/N OT980000-Up	DR	12	50-853329T	PH130-0066
225CXLL Verado 4-Stroke	2.6L - 158.5ci - 225HP	05-On	Delco System	DR	12	50-892339T	PH130-0066
225ELPT	2.3L - 142.2ci - 225HP	80-81	United Tech System	UT	12	50-86976	PH130-0067
225EXLPT	2.3L - 142.2ci - 225HP	80-81	United Tech System	UT	12	50-86976	PH130-0067
225L	3.0L - 185.0ci - 225HP	94-99	United Tech System	UT	12	50-818445-3	PH130-0023
225L EFI	3.0L - 185.0ci - 225HP	02-04	S/N OT801000-Up	DR	12	50-853329T	PH130-0066
225L EFI	3.0L - 185.0ci - 225HP	01	S/N OT467334-OT800999	DR	12	50-853329T	PH130-0066
225L EFI	3.0L - 185.0ci - 225HP	01	S/N OT409000-OT467334	UT	12	50-856996T	PH130-0067
225L EFI	3.0L - 185.0ci - 225HP	96-00	S/N OG129222-OT408999	UT	12	50-818445-3	PH130-0023
225L Optimax	3.0L - 185.0ci - 225HP	01-On	S/N OT178500-Up	DR	12	50-853329T	PH130-0066
225L Optimax	3.0L - 185.0ci - 225HP	00	S/N OG960500-OT178499	UT	12	50-856996T	PH130-0067
225L Optimax	3.0L - 185.0ci - 225HP	98-99	S/N OG386496-OG960499	UT	12	50-833153-5	PH130-0030
225L DTS Optimax	3.0L - 185.0ci - 225HP	03-09	S/N OT980000-Up	DR	12	50-853329T	PH130-0066
225L Pro XS Optimax	3.0L - 185.0ci - 225HP	10-On	Delco System	DR	12	50-892339T	PH130-0066
225L Promax Racing	2.5L - 153.0ci - 225HP	98-00	United Tech System	UT	12	50-79472	PH130-0046
225L Verado 4-Stroke	2.6L - 158.8ci - 225HP	05-On	Delco System	DR	12	50-892339T	PH130-0066
225SS Promax Racing	2.5L - 153.0ci - 225HP	98-00	United Tech System	UT	12	50-79472	PH130-0046
225XL	3.0L - 185.0ci - 225HP	94-99	United Tech System	UT	12	50-818445-3	PH130-0023
225XL EFI	3.0L - 185.0ci - 225HP	02-04	S/N OT801000-Up	DR	12	50-853329T	PH130-0066
225XL EFI	3.0L - 185.0ci - 225HP	01	S/N OT467334-OT800999	DR	12	50-853329T	PH130-0066
225XL EFI	3.0L - 185.0ci - 225HP	01	S/N OT409000-OT467334	UT	12	50-856996T	PH130-0067
225XL EFI	3.0L - 185.0ci - 225HP	95-00	S/N OG129222-OT408999	UT	12	50-818445-3	PH130-0023
225XL EFI 4-Stroke	204.0ci - 225HP	03-06	S/N OT653945-Up	HI	12	50-888333T	PH130-0074
225XL Optimax	3.0L - 185.0ci - 225HP	01-On	S/N OT178500-Up	DR	12	50-853329T	PH130-0066
225XL Optimax	3.0L - 185.0ci - 225HP	00	S/N OG960500-OT178499	UT	12	50-856996T	PH130-0067
225XL Optimax	3.0L - 185.0ci - 225HP	98-99	S/N OG386496-OG960499	UT	12	50-833153-5	PH130-0030
225XL DTS Optimax	3.0L - 185.0ci - 225HP	03-09	S/N OT980000-Up	DR	12	50-853329T	PH130-0066
225XL Pro XS Optimax	3.0L - 185.0ci - 225HP	07-On	Delco System	DR	12	50-892339T	PH130-0066
225XL Verado 4-Stroke	2.6L - 158.5ci - 225HP	05-On	Delco System	DR	12	50-892339T	PH130-0066
225XL Seapro	3.0L - 185.0ci - 225HP	96-98	United Tech System	UT	12	50-818445-3	PH130-0023
225XRI	3.0L - 185.0ci - 225HP	95	United Tech System	UT	12	50-818445-3	PH130-0023
225XS Sport Racing	3.0L - 185.0ci - 225HP	06-On	Delco System	DR	12	50-892339T	PH130-0066
225XXL	3.0L - 185.0ci - 225HP	94-99	United Tech System	UT	12	50-818445-3	PH130-0023
225XXL EFI	3.0L - 185.0ci - 225HP	02-04	S/N OT801000-Up	DR	12	50-853329T	PH130-0066
225XXL EFI	3.0L - 185.0ci - 225HP	01	S/N OT467334-OT800999	DR	12	50-853329T	PH130-0066
225XXL EFI	3.0L - 185.0ci - 225HP	01	S/N OT409000-OT467334	UT	12	50-856996T	PH130-0067
225XXL EFI	3.0L - 185.0ci - 225HP	95-00	S/N OG129222-OT408999	UT	12	50-818445-3	PH130-0023
225XXL EFI 4-Stroke	204.0ci - 225HP	03-06	S/N OT653945-Up	HI	12	50-888333T	PH130-0074
225XXL Optimax	3.0L - 185.0ci - 225HP	01-10	S/N OT178500-Up	DR	12	50-853329T	PH130-0066
225XXL Optimax	3.0L - 185.0ci - 225HP	00	S/N OG960500-OT178499	UT	12	50-856996T	PH130-0067
225XXL Optimax	3.0L - 185.0ci - 225HP	98-99	S/N OG386496-OG960499	UT	12	50-833153-5	PH130-0030
225XXL DTS Optimax	3.0L - 185.0ci - 225HP	03-09	S/N OT980000-Up	DR	12	50-853329T	PH130-0066
225XXL Verado 4-Stroke	2.6L - 158.5ci - 225HP	05-On	Delco System	DR	12	50-892339T	PH130-0066
240 EFI Jet Drive	2.5L - 153.0ci - 240HP	01	Powerhead & Pump	UT	12	50-832997-2	PH130-0031

PROTORQUE - Outboard Starters & Components



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LOCAL: 609-654-6020

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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

PROTORQUE - Outboard Starters & Components

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
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## MERCURY - continued

### ENGINES - MARINE OUTBOARD - continued

240 M2 Jet Drive	2.5L - 153.0ci - 240HP	00-01	Powerhead & Pump	UT	12	50-832997-2	PH130-0031
250 Pro XS Optimax	3.0L - 185.0ci - 250HP	06-On	Delco System	DR	12	50-892339T	PH130-0066
250CXL EFI	3.0L - 185.0ci - 250HP	02-04	S/N OT801000-Up	DR	12	50-853329T	PH130-0066
250CXL EFI	3.0L - 185.0ci - 250HP	01	S/N OT467334-OT800999	DR	12	50-853329T	PH130-0066
250CXL EFI	3.0L - 185.0ci - 250HP	01	S/N OT409000-OT467334	UT	12	50-856996T	PH130-0067
250CXL EFI	3.0L - 185.0ci - 250HP	95-00	S/N OG129222-OT408999	UT	12	50-818445-3	PH130-0023
250CXL Optimax	3.0L - 185.0ci - 250HP	09-On	Delco System	DR	12	50-892339T01	PH130-0066
250CXL Verado 4-Stroke	2.6L - 158.5ci - 250HP	05-On	Delco System	DR	12	50-892339T	PH130-0066
250CXXL EFI	3.0L - 185.0ci - 250HP	02-04	S/N OT801000-Up	DR	12	50-853329T	PH130-0066
250CXXL EFI	3.0L - 185.0ci - 250HP	01	S/N OT467334-OT800999	DR	12	50-853329T	PH130-0066
250CXXL EFI	3.0L - 185.0ci - 250HP	01	S/N OT409000-OT467334	UT	12	50-856996T	PH130-0067
250CXXL EFI	3.0L - 185.0ci - 250HP	95-00	S/N OG129222-OT408999	UT	12	50-818445-3	PH130-0023
250CXXL Optimax	3.0L - 185.0ci - 250HP	09-On	Delco System	DR	12	50-892339T01	PH130-0066
250CXXL Verado 4-Stroke	2.6L - 158.5ci - 250HP	05-On	Delco System	DR	12	50-892339T	PH130-0066
250L Pro XS Optimax	3.0L - 185.0ci - 250HP	10-On	Delco System	DR	12	50-892339T01	PH130-0066
250L Verado 4-Stroke	2.6L - 158.5ci - 250HP	05-On	Delco System	DR	12	50-892339T	PH130-0066
250XL	3.4L - 207.0ci - 250HP	89-90	United Tech System	UT	12	50-79472	PH130-0046
250XL EFI	3.0L - 185.0ci - 225HP	02-04	S/N OT801000-Up	DR	12	50-853329T	PH130-0066
250XL EFI	3.0L - 185.0ci - 250HP	01	S/N OT467334-OT800999	DR	12	50-853329T	PH130-0066
250XL EFI	3.0L - 185.0ci - 250HP	01	S/N OT409000-OT467334	UT	12	50-856996T	PH130-0067
250XL EFI	3.0L - 185.0ci - 250HP	95-00	S/N OG129222-OT408999	UT	12	50-818445-3	PH130-0023
250XL Optimax	3.0L - 185.0ci - 250HP	10-On	Delco System	DR	12	50-892339T01	PH130-0066
250XL Pro XS Optimax	3.0L - 185.0ci - 250HP	08-On	Delco System	DR	12	50-892339T01	PH130-0066
250XL Verado 4-Stroke	2.6L - 158.5ci - 250HP	05-On	Delco System	DR	12	50-892339T	PH130-0066
250XS Racing	3.0L - 185.0ci - 250HP	05-On	Delco System	DR	12	50-892339T	PH130-0066
250XXL	3.4L - 207.0ci - 250HP	89-90	United Tech System	UT	12	50-79472	PH130-0046
250XXL EFI	3.0L - 185.0ci - 225HP	02-04	S/N OT801000-Up	DR	12	50-853329T	PH130-0066
250XXL EFI	3.0L - 185.0ci - 250HP	01	S/N OT467334-OT800999	DR	12	50-853329T	PH130-0066
250XXL EFI	3.0L - 185.0ci - 250HP	01	S/N OT409000-OT467334	UT	12	50-856996T	PH130-0067
250XXL EFI	3.0L - 185.0ci - 250HP	95-00	S/N OG129222-OT408999	UT	12	50-818445-3	PH130-0023
250XXL Optimax	3.0L - 185.0ci - 250HP	09-On	Delco System	DR	12	50-892339T	PH130-0066
250XXL Verado 4-Stroke	2.6L - 158.5ci - 250HP	05-On	Delco System	DR	12	50-892339T	PH130-0066
275CXL	3.4L - 207.0ci - 275HP	91-94	United Tech System	UT	12	50-79472	PH130-0046
275CXL Verado 4-Stroke	2.6L - 158.5ci - 275HP	05-On	Delco System	DR	12	50-892339T	PH130-0066
275CXXL	3.4L - 207.0ci - 275HP	91-94	United Tech System	UT	12	50-79472	PH130-0046
275CXXL Verado 4-Stroke	2.6L - 158.5ci - 275HP	05-On	Delco System	DR	12	50-892339T	PH130-0066
275L	3.4L - 207.0ci - 275HP	91-93	United Tech System	UT	12	50-79472	PH130-0046
275L Verado 4-Stroke	2.6L - 158.5ci - 275HP	05-On	Delco System	DR	12	50-892339T	PH130-0066
275XL	3.4L - 207.0ci - 275HP	89-94	United Tech System	UT	12	50-79472	PH130-0046
275XL Verado 4-Stroke	2.6L - 158.5ci - 275HP	05-On	Delco System	DR	12	50-892339T	PH130-0066
275XXL	3.4L - 207.0ci - 275HP	89-94	United Tech System	UT	12	50-79472	PH130-0046
275XXL Verado 4-Stroke	2.6L - 158.5ci - 275HP	05-On	Delco System	DR	12	50-892339T	PH130-0066
300CL Promax Racing	3.0L - 185.0ci - 300HP	98-00	S/N OG610221 - OT105297	UT	12	50-818445-5	PH130-0023
300CL Verado 4-Stroke	2.6L - 158.5ci - 300HP	08-On	Delco System	DR	12	50-892339T	PH130-0066
300CXL Promax Racing	3.0L - 185.0ci - 300HP	98-00	S/N OG610221 - OT105297	UT	12	50-818445-5	PH130-0023
300CXL Verado 4-Stroke	2.6L - 158.5ci - 300HP	08-On	Delco System	DR	12	50-892339T	PH130-0066
300CXXL Verado 4-Stroke	2.6L - 158.5ci - 300HP	08-On	Delco System	DR	12	50-892339T	PH130-0066
300ELPT	3.4L - 207.0ci - 300HP	81-83	United Tech System	UT	12	50-44415	PH130-0046
300EXLPT	3.4L - 207.0ci - 300HP	81-83	United Tech System	UT	12	50-44415	PH130-0046
300L Promax Racing	3.0L - 185.0ci - 300HP	98-00	S/N OG610221 - OT105297	UT	12	50-818445-5	PH130-0023
300L Verado 4-Stroke	2.6L - 158.5ci - 300HP	08-On	Delco System	DR	12	50-892339T	PH130-0066
300X, XS Promax Racing	3.0L - 185.0ci - 300HP	05-On	Delco System	DR	12	50-892339T	PH130-0066
300XL Promax Racing	3.0L - 185.0ci - 300HP	98-00	S/N OG610221 - OT105297	UT	12	50-818445-5	PH130-0023
300XL Verado 4-Stroke	2.6L - 158.5ci - 300HP	08-On	Delco System	DR	12	50-892339T	PH130-0066
300XXL Verado 4-Stroke	2.6L - 158.5ci - 300HP	08-On	Delco System	DR	12	50-892339T	PH130-0066
350CL DTS LH Verado	2.6L - 158.5ci - 350HP	09-On	Delco System	DR	12	50-892339T	PH130-0066
350CXL DTS LH Verado	2.6L - 158.5ci - 350HP	09-On	Delco System	DR	12	50-892339T	PH130-0066
350CXXL DTS LH Verado	2.6L - 158.5ci - 350HP	09-On	Delco System	DR	12	50-892339T	PH130-0066
350L DTS RH Verado	2.6L - 158.5ci - 350HP	09-On	Delco System	DR	12	50-892339T	PH130-0066
350XL DTS RH Verado	2.6L - 158.5ci - 350HP	09-On	Delco System	DR	12	50-892339T	PH130-0066
350XXL DTS RH Verado	2.6L - 158.5ci - 350HP	09-On	Delco System	DR	12	50-892339T	PH130-0066

## ONAN

ENGINES							
L25		68-74	Prestolite System	PS	12	MGD4102A	PH130-0038

## NISSAN

### ENGINES - MARINE OUTBOARD

NS8	8HP 2-Stroke	92-03	Hitachi System	HI	12	S106-12A	PH130-0061
NSF8	8HP 4-Stroke	03-06	Hitachi System	HI	12	S106-12B	PH130-0061
NS9.8	9.8HP 2-Stroke	98-03	Hitachi System	HI	12	S106-12A	PH130-0061
NSF9.8	9.8HP 4-Stroke	03-06	Hitachi System	HI	12	S106-12B	PH130-0061
NS9.9	9.9HP 2-Stroke	92-03	Hitachi System	HI	12	S106-12B	PH130-0061
NSF9.9	9.9HP 4-Stroke	00-08	Hitachi System	HI	12	S108-112	PH130-0006
NS15	15HP 2-Stroke	92-03	Hitachi System	HI	12	S106-12B	PH130-0061
NSF15	15HP 4-Stroke	00-08	Hitachi System	HI	12	S108-112	PH130-0006



# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
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## NISSAN - continued

ENGINES - MARINE OUTBOARD - continued							
NS18	18HP 2-Stroke	92-03	Hitachi System	HI	12	S106-12B	PH130-0061
NSF18	18HP 4-Stroke	01-06	Hitachi System	HI	12	S108-112	PH130-0006
NSF20	20HP 4-Stroke	08	Hitachi System	HI	12	S108-112	PH130-0006
NS25	25HP 2-Stroke	92-03	Hitachi System	HI	12	S108-98	PH130-0080
NSF25	25HP 4-Stroke	02-05	Hitachi System	HI	12	S108-112	PH130-0006
NS30	30HP 2-Stroke	92-03	Hitachi System	HI	12	S108-98	PH130-0080
NSF30	30HP 4-Stroke	02-05	Hitachi System	HI	12	S108-112	PH130-0006
NS40	40HP 2-Stroke	92-03	Hitachi System	HI	12	S108-112	PH130-0006
NSD40	40HP TLDI	01-06	Hitachi System	HI	12	S108-112	PH130-0006
NS50	50HP 2-Stroke	92-03	Hitachi System	HI	12	S108-112	PH130-0006
NSD50	50HP TLDI	01-06	Hitachi System	HI	12	S108-112	PH130-0006
NS60	60HP 2-Stroke	96-03	Hitachi System	HI	12	S108-112	PH130-0006
NS60	60HP 2-Stroke	92-95	Hitachi System	HI	12	S114-415	PH130-0048
NS70	70HP 2-Stroke	96-03	Hitachi System	HI	12	S108-112	PH130-0006
NS70	70HP 2-Stroke	92-95	Hitachi System	HI	12	S114-415	PH130-0048
NSD70	70HP TLDI	03-06	Hitachi System	HI	12	S108-112	PH130-0006
NS90	90HP 2-Stroke	92-96	Hitachi System	HI	12	S114-415	PH130-0048
NSD90	90HP TLDI	01-06	Hitachi System	HI	12	S108-112	PH130-0006
NS115	115HP 2-Stroke	92-03	Hitachi System	HI	12	S114-415	PH130-0048
NSD115	115HP TLDI	06	Hitachi System	HI	12	S114-667	PH130-0048
NS120	120HP 2-Stroke	92-96	Hitachi System	HI	12	S114-415	PH130-0048
NS140	140HP 2-Stroke	92-03	Hitachi System	HI	12	S114-415	PH130-0048

## SCOTT ATWATER

ENGINES - MARINE OUTBOARD							
28HP		64-67		PS	12	MDW4002	PH130-0038
45HP		64-67		PS	12	MDW4002	PH130-0038

## SEA BEE

ENGINES - MARINE OUTBOARD							
12HP		55-56		PS	12	MDH4001	PH130-0038
15HP		57-58		PS	12	MDO4002	PH130-0038
25HP		59-64		PS	12	MDW4002	PH130-0038
25HP		57-58		PS	12	MDO4002	PH130-0038
25HP		55-56		PS	12	MDH4001	PH130-0038
30HP		59-64		PS	12	MDW4002	PH130-0038
30HP		57-57		PS	12	MDO4002	PH130-0038
35HP		59-64		PS	12	MDW4002	PH130-0038
35HP		57-58		PS	12	MDO4002	PH130-0038

## SEA KING

ENGINES - MARINE OUTBOARD							
15HP		57-62		PS	12	MDO4002	PH130-0038
15HP		55-56		PS	12	MDH4001	PH130-0038
25HP		62-63		DR	12	1113519	PH130-0038
25HP		59-63		PS	12	MDW4002	PH130-0038
25HP		57-62		PS	12	MDO4002	PH130-0038
25HP		55-56		PS	12	MDH4001	PH130-0038
30HP		57-62		PS	12	MDO4002	PH130-0038
35HP		59-72		PS	12	MDW4002	PH130-0038
35HP		57-62		PS	12	MDO4002	PH130-0038
40HP		61-72		PS	12	MDW4002	PH130-0038
40HP		62-63		DR	12	1113519	PH130-0038
45HP		61-72		PS	12	MDW4002	PH130-0038
50HP		61-72		PS	12	MDW4002	PH130-0038
55HP		61-72		PS	12	MDW4002	PH130-0038
75HP		66-70		PS	12	MDW4002	PH130-0038
80HP		66-70		PS	12	MDW4002	PH130-0038
100HP		66-70		PS	12	MDW4002	PH130-0038

## SUZUKI

ENGINES - MARINE OUTBOARD							
DF25E V-Twin	32.8ci - 25HP	06-On	Hitachi System	HI	12	31100-95J00	PH130-0077
DF25T V-Twin	32.8ci - 25HP	06-On	Hitachi System	HI	12	31100-95J00	PH130-0077
DF25E 4-Stroke	36.4ci - 25HP	00-06	Hitachi System	HI	12	31100-89J01	PH130-0083
DF25T 4-Stroke	36.4ci - 25HP	00-06	Hitachi System	HI	12	31100-89J01	PH130-0083
DF30E 4-Stroke	36.4ci - 30HP	00-07	Hitachi System	HI	12	31100-89J01	PH130-0083
DF30T 4-Stroke	36.4ci - 30HP	00-07	Hitachi System	HI	12	31100-89J01	PH130-0083
DF40Q 4-Stroke	49.7ci - 40HP	99-00	Hitachi System	HI	12	31100-87J00	PH130-0079
DF40T 4-Stroke	49.7ci - 40HP	99-00	Hitachi System	HI	12	31100-87J00	PH130-0079
DF50Q 4-Stroke	49.7ci - 50HP	99-00	Hitachi System	HI	12	31100-87J00	PH130-0079
DF50T 4-Stroke	49.7ci - 50HP	99-00	Hitachi System	HI	12	31100-87J00	PH130-0079
DF60T 4-Stroke	79.2ci - 60HP	98-00	Hitachi System	HI	12	31100-87J00	PH130-0079
DF70AT 4-Stroke	91.7ci - 70HP	09-On	Hitachi System	HI	12	31100-96J01	PH130-0078
DF70T 4-Stroke	79.2ci - 70HP	98-00	Hitachi System	HI	12	31100-87J00	PH130-0079

PROTORQUE - Outboard Starters & Components



TOLL FREE: 844-786-7783

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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

**PROTORQUE - Outboard Starters & Components**

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>SUZUKI - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
DF80AT 4-Stroke	91.7ci - 80HP	09-On	Hitachi System	HI	12	31100-96J01	PH130-0078
DF90AT 4-Stroke	91.7ci - 90HP	09-On	Hitachi System	HI	12	31100-96J01	PH130-0078
DF90TL 4-Stroke	118.9ci - 90HP	01-08	Hitachi System	HI	12	31100-90J00	PH130-0071
DF100T 4-Stroke	118.9ci - 100HP	09	Hitachi System	HI	12	31100-90J00	PH130-0071
DF115T 4-Stroke	118.9ci - 115HP	01-09	Hitachi System	HI	12	31100-90J00	PH130-0071
DF140T 4-Stroke	124.7ci - 140HP	02-09	Hitachi System	HI	12	31100-90J00	PH130-0071
DF150TX 4-Stroke	174.9ci - 150HP	06-On	Hitachi System	HI	12	31100-93J00	PH130-0078
DF150ZX 4-Stroke	174.9ci - 150HP	06-On	Hitachi System	HI	12	31100-93J00	PH130-0078
DF175TX 4-Stroke	174.9ci - 175HP	06-On	Hitachi System	HI	12	31100-93J00	PH130-0078
DF175ZX 4-Stroke	174.9ci - 175HP	06-On	Hitachi System	HI	12	31100-93J00	PH130-0078
DF200T 4-Stroke	220.5ci - 200HP	04-On	Hitachi System	HI	12	31100-93J00	PH130-0078
DF200Z 4-Stroke	220.5ci - 200HP	04-On	Hitachi System	HI	12	31100-93J00	PH130-0078
DF225T 4-Stroke	220.5ci - 225HP	04-On	Hitachi System	HI	12	31100-93J00	PH130-0078
DF225Z 4-Stroke	220.5ci - 225HP	04-On	Hitachi System	HI	12	31100-93J00	PH130-0078
DF250T 4-Stroke	220.5ci - 250HP	04-On	Hitachi System	HI	12	31100-93J00	PH130-0078
DF250Z 4-Stroke	220.5ci - 250HP	04-On	Hitachi System	HI	12	31100-93J00	PH130-0078
DF300T 4-Stroke	245.6ci - 300HP	07-On	Hitachi System	HI	12	31100-93J00	PH130-0078
DT20EL	27.1ci - 20HP	86-88	Hitachi System	HI	12	31100-96311	PH130-0006
DT20ES	27.1ci - 20HP	86-88	Hitachi System	HI	12	31100-96311	PH130-0006
DT25EL	27.3ci - 25HP	80-82	Hitachi System	HI	12	31100-96311	PH130-0006
DT25EL	30.5ci - 25HP	85-88	Hitachi System	HI	12	31100-96311	PH130-0006
DT25ES	27.3ci - 25HP	80-82	Hitachi System	HI	12	31100-96311	PH130-0006
DT25ES	30.5ci - 25HP	85-88	Hitachi System	HI	12	31100-96311	PH130-0006
DT30EL	30.5ci - 30HP	83-84	Hitachi System	HI	12	31100-96311	PH130-0006
DT30ES	30.5ci - 30HP	83-84	Hitachi System	HI	12	31100-96311	PH130-0006
DT30L	30.5ci - 30HP	85	Hitachi System	HI	12	31100-96311	PH130-0006
DT30RL	30.5ci - 30HP	86-87	Hitachi System	HI	12	31100-96311	PH130-0006
DT30RS	30.5ci - 30HP	86-87	Hitachi System	HI	12	31100-96311	PH130-0006
DT30S	30.5ci - 30HP	85	Hitachi System	HI	12	31100-96311	PH130-0006
DT35CRL	42.5ci - 35HP	87-89	Hitachi System	HI	12	31100-94400	PH130-0006
DT35CRS	42.5ci - 35HP	87-89	Hitachi System	HI	12	31100-94400	PH130-0006
DT35TCL	42.5ci - 35HP	87-89	Hitachi System	HI	12	31100-94400	PH130-0006
DT40CEL	42.5ci - 40HP	89-90	Hitachi System	HI	12	31100-94401	PH130-0006
DT40CES	42.5ci - 40HP	89-90	Hitachi System	HI	12	31100-94401	PH130-0006
DT40CRL	42.5ci - 40HP	86-98	Hitachi System	HI	12	31100-94401	PH130-0006
DT40CRS	42.5ci - 40HP	86-98	Hitachi System	HI	12	31100-94401	PH130-0006
DT40ECL	42.5ci - 40HP	84-85	Hitachi System	HI	12	31100-94400	PH130-0006
DT40ECS	42.5ci - 40HP	84-85	Hitachi System	HI	12	31100-94400	PH130-0006
DT40EL	37.7ci - 40HP	80-83	Hitachi System	HI	12	31100-94400	PH130-0006
DT40ES	37.7ci - 40HP	80-83	Hitachi System	HI	12	31100-94400	PH130-0006
DT40TCL	42.5ci - 40HP	87-98	Hitachi System	HI	12	31100-94401	PH130-0006
DT50ECL	48.7ci - 50HP	84	Hitachi System	HI	12	31100-95310	PH130-0060
DT50EL	44.1ci - 50HP	80-83	Hitachi System	HI	12	31100-95242	PH130-0007
DT50ES	44.1ci - 50HP	80-82	Hitachi System	HI	12	31100-95242	PH130-0007
DT55CHL	54.4ci - 55HP	86-87	Hitachi System	HI	12	31100-94702	PH130-0075
DT55CRL	54.4ci - 55HP	86-90	Hitachi System	HI	12	31100-94702	PH130-0075
DT55CRS	54.4ci - 55HP	86-87	Hitachi System	HI	12	31100-94702	PH130-0075
DT55ECL	54.4ci - 55HP	85	Hitachi System	HI	12	31100-94702	PH130-0075
DT55HT	54.4ci - 55HP	88-90	Hitachi System	HI	12	31100-94702	PH130-0075
DT55TCL	54.4ci - 55HP	87-97	Hitachi System	HI	12	31100-94702	PH130-0075
DT55TCS	54.4ci - 55HP	87	Hitachi System	HI	12	31100-94702	PH130-0075
DT60CL	48.7ci - 60HP	83-84	Hitachi System	HI	12	31100-95310	PH130-0060
DT65CL	54.4ci - 65HP	85	Hitachi System	HI	12	31100-94702	PH130-0075
DT65CRL	54.4ci - 65HP	86-90	Hitachi System	HI	12	31100-94702	PH130-0075
DT65CRS	54.4ci - 65HP	86-87	Hitachi System	HI	12	31100-94702	PH130-0075
DT65EL	48.7ci - 65HP	80-82	Hitachi System	HI	12	31100-95242	PH130-0007
DT65ES	48.7ci - 65HP	80-82	Hitachi System	HI	12	31100-95242	PH130-0007
DT65HTCL	54.4ci - 65HP	89-90	Hitachi System	HI	12	31100-94702	PH130-0075
DT65TCL	54.4ci - 65HP	86-97	Hitachi System	HI	12	31100-94702	PH130-0075
DT65TCS	54.4ci - 65HP	86-87	Hitachi System	HI	12	31100-94702	PH130-0075
DT75TCL	73.0ci - 75HP	88-97	Hitachi System	HI	12	31100-95601	PH130-0060
DT75TCL	73.0ci - 75HP	83-87	Hitachi System	HI	12	31100-95312	PH130-0060
DT85EL	73.5ci - 85HP	80	Hitachi System	HI	12	31100-95313	PH130-0060
DT85TCL	73.0ci - 85HP	88-00	Hitachi System	HI	12	31100-95601	PH130-0060
DT85TCL	73.0ci - 85HP	82-87	Hitachi System	HI	12	31100-95312	PH130-0060
DT85TEL	73.5ci - 85HP	80	Hitachi System	HI	12	31100-95313	PH130-0060
DT90TCL	86.6ci - 90HP	89-97	Hitachi System	HI	12	31100-87D10	PH130-0052
DT90TCX	86.6ci - 90HP	89-90	Hitachi System	HI	12	31100-87D10	PH130-0052
DT100SF	86.6ci - 100HP	89-90	Hitachi System	HI	12	31100-87D10	PH130-0052
DT100TCL	86.6ci - 100HP	00	Hitachi System	HI	12	31100-92E00	PH130-0052
DT100TCL	86.6ci - 100HP	89-99	Hitachi System	HI	12	31100-87D10	PH130-0052
DT100TCX	86.6ci - 100HP	89-90	Hitachi System	HI	12	31100-87D10	PH130-0052
DT115STCL EFI	108.2ci - 115HP	00-01	Hitachi System	HI	12	31100-94610	PH130-0053
DT115STCL EFI	108.2ci - 115HP	96-99	Hitachi System	HI	12	31100-94600	PH130-0053
DT115TCL	108.2ci - 115HP	86-96	Hitachi System	HI	12	31100-94600	PH130-0053
DT115TCX	108.2ci - 115HP	85-97	Hitachi System	HI	12	31100-94600	PH130-0053
DT140TCL	108.2ci - 140HP	85-97	Hitachi System	HI	12	31100-94600	PH130-0053





# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
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## SUZUKI - continued

ENGINES - MARINE OUTBOARD - continued							
DT140TCL EFI	108.2ci - 140HP	00-01	Hitachi System	HI	12	31100-94610	PH130-0053
DT140TCL EFI	108.2ci - 140HP	98-99	Hitachi System	HI	12	31100-94600	PH130-0053
DT140TCX	108.2ci - 140HP	85-96	Hitachi System	HI	12	31100-94600	PH130-0053
DT140TCX EFI	108.2ci - 140HP	00-01	Hitachi System	HI	12	31100-94610	PH130-0053
DT140TCX EFI	108.2ci - 140HP	97-99	Hitachi System	HI	12	31100-94600	PH130-0053
DT150SS	164.3ci - 150HP	86-91	Hitachi System	HI	12	31100-87D10	PH130-0052
DT150SSN Super Six	164.3ci - 150HP	92	Hitachi System	HI	12	31100-87D10	PH130-0052
DT150STCL EFI	164.3ci - 150HP	00-03	Hitachi System	HI	12	31100-92E00	PH130-0052
DT150STCL EFI	164.3ci - 150HP	94-99	Hitachi System	HI	12	31100-87D10	PH130-0052
DT150STCL EFI	164.3ci - 150HP	93	Hitachi System	HI	12	31100-87D10	PH130-0052
DT150TCL	164.3ci - 150HP	86-94	Hitachi System	HI	12	31100-87D10	PH130-0052
DT150TCX	164.3ci - 150HP	86-94	Hitachi System	HI	12	31100-87D10	PH130-0052
DT150TCX EFI	164.3ci - 150HP	00-03	Hitachi System	HI	12	31100-92E00	PH130-0052
DT150TCX EFI	164.3ci - 150HP	95-99	Hitachi System	HI	12	31100-87D10	PH130-0052
DT150TCXG	164.3ci - 150HP	90-94	Hitachi System	HI	12	31100-87D10	PH130-0052
DT150TCXG EFI	164.3ci - 150HP	00-03	Hitachi System	HI	12	31100-92E00	PH130-0052
DT150TCXG EFI	164.3ci - 150HP	95-99	Hitachi System	HI	12	31100-87D10	PH130-0052
DT175TCL	164.3ci - 175HP	87-92	Hitachi System	HI	12	31100-87D10	PH130-0052
DT175TCX	164.3ci - 175HP	87-92	Hitachi System	HI	12	31100-87D10	PH130-0052
DT200AEL	164.3ci - 200HP	87	Hitachi System	HI	12	31100-87D10	PH130-0052
DT200AEX	164.3ci - 200HP	87	Hitachi System	HI	12	31100-87D10	PH130-0052
DT200TCL	164.3ci - 200HP	86-93	Hitachi System	HI	12	31100-87D10	PH130-0052
DT200TCL EFI	164.3ci - 200HP	00	Hitachi System	HI	12	31100-92E00	PH130-0052
DT200TCL EFI	164.3ci - 200HP	94-99	Hitachi System	HI	12	31100-87D10	PH130-0052
DT200TCX	164.3ci - 200HP	86-93	Hitachi System	HI	12	31100-87D10	PH130-0052
DT200TCX EFI	164.3ci - 200HP	00	Hitachi System	HI	12	31100-92E00	PH130-0052
DT200TCX EFI	164.3ci - 200HP	94-99	Hitachi System	HI	12	31100-87D10	PH130-0052
DT200TCXG	164.3ci - 200HP	90-93	Hitachi System	HI	12	31100-87D10	PH130-0052
DT200TCXG EFI	164.3ci - 200HP	00	Hitachi System	HI	12	31100-92E00	PH130-0052
DT200TCXG EFI	164.3ci - 200HP	94-99	Hitachi System	HI	12	31100-87D10	PH130-0052
DT200VL Exante	164.3ci - 200HP	88-92	Hitachi System	HI	12	31100-87D10	PH130-0052
DT200VX Exante	164.3ci - 200HP	88-92	Hitachi System	HI	12	31100-87D10	PH130-0052
DT200VXG	164.3ci - 200HP	90-91	Hitachi System	HI	12	31100-87D10	PH130-0052
DT225TCL	164.3ci - 225HP	90-93	Hitachi System	HI	12	31100-87D10	PH130-0052
DT225TCL EFI	164.3ci - 225HP	94-00	Hitachi System	HI	12	31100-87D10	PH130-0052
DT225TCX	164.3ci - 225HP	90-93	Hitachi System	HI	12	31100-87D10	PH130-0052
DT225TCX EFI	164.3ci - 225HP	01-03	Hitachi System	HI	12	31100-92E00	PH130-0052
DT225TCX EFI	164.3ci - 225HP	94-00	Hitachi System	HI	12	31100-87D10	PH130-0052
DT225TCXG	164.3ci - 225HP	93	Hitachi System	HI	12	31100-87D10	PH130-0052
DT225TCXG EFI	164.3ci - 225HP	94-00	Hitachi System	HI	12	31100-87D10	PH130-0052
PU40	42.5ci - 40HP	92-95	Hitachi System	HI	12	31100-94400	PH130-0006
PU55 Jet	54.4ci - 35HP	89-90	Hitachi System	HI	12	31100-94400	PH130-0006
PU85	73.0ci - 85HP	92-96	Hitachi System	HI	12	31100-95600	PH130-0060
PU140	108.2ci - 140HP	92-96	Hitachi System	HI	12	31100-94600	PH130-0053
PU140 EFI Jet	108.2ci - 100HP	97	Hitachi System	HI	12	31100-87D10	PH130-0052
PU140 Jet	108.2ci - 100HP	89-90	Hitachi System	HI	12	31100-87D10	PH130-0052

## TOHATSU

ENGINES - MARINE OUTBOARD							
M8	8HP 2-Stroke	92-03	Hitachi System	HI	12	S106-12A	PH130-0061
MFS8	8HP 4-Stroke	03-06	Hitachi System	HI	12	S106-12B	PH130-0061
M9.8	9.8HP 2-Stroke	98-03	Hitachi System	HI	12	S106-12A	PH130-0061
MFS9.8	9.8HP 4-Stroke	03-06	Hitachi System	HI	12	S106-12B	PH130-0061
M9.9	9.9HP 2-Stroke	92-03	Hitachi System	HI	12	S106-12B	PH130-0061
MFS9.9	9.9HP 4-Stroke	00-08	Hitachi System	HI	12	S108-112	PH130-0006
M15	15HP 2-Stroke	92-03	Hitachi System	HI	12	S106-12B	PH130-0061
MFS15	15HP 4-Stroke	00-08	Hitachi System	HI	12	S108-112	PH130-0006
M18	18HP 2-Stroke	92-03	Hitachi System	HI	12	S106-12B	PH130-0061
MFS18	18HP 4-Stroke	01-06	Hitachi System	HI	12	S108-112	PH130-0006
MSF20	20HP 4-Stroke	08	Hitachi System	HI	12	S108-112	PH130-0006
MS25	25HP 2-Stroke	92-03	Hitachi System	HI	12	S108-98	PH130-0080
MSF25	25HP 4-Stroke	02-05	Hitachi System	HI	12	S108-112	PH130-0006
MS30	30HP 2-Stroke	92-03	Hitachi System	HI	12	S108-98	PH130-0080
MSF30	30HP 4-Stroke	02-05	Hitachi System	HI	12	S108-112	PH130-0006
M40	40HP 2-Stroke	92-03	Hitachi System	HI	12	S108-112	PH130-0006
MD40	40HP TLDI	01-06	Hitachi System	HI	12	S108-112	PH130-0006
M50	50HP 2-Stroke	92-03	Hitachi System	HI	12	S108-112	PH130-0006
MD50	50HP TLDI	01-06	Hitachi System	HI	12	S108-112	PH130-0006
M60	60HP 2-Stroke	96-03	Hitachi System	HI	12	S108-112	PH130-0006
M60	60HP 2-Stroke	92-95	Hitachi System	HI	12	S114-415	PH130-0048
M70	70HP 2-Stroke	96-03	Hitachi System	HI	12	S108-112	PH130-0006
M70	70HP 2-Stroke	92-95	Hitachi System	HI	12	S114-415	PH130-0048
MD70	70HP TLDI	03-06	Hitachi System	HI	12	S108-112	PH130-0006
M90	90HP 2-Stroke	92-96	Hitachi System	HI	12	S114-415	PH130-0048
MD90	90HP TLDI	01-06	Hitachi System	HI	12	S108-112	PH130-0006
M115	115HP 2-Stroke	92-03	Hitachi System	HI	12	S114-415	PH130-0048

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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
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## TOHATSU - continued

ENGINES - MARINE OUTBOARD - continued							
MD115	115HP TLDI	06	Hitachi System	HI	12	S114-415	PH130-0048
M120	120HP 2-Stroke	92-96	Hitachi System	HI	12	S114-415	PH130-0048
M140	140HP 2-Stroke	92-03	Hitachi System	HI	12	S114-415	PH130-0048

## US MARINE

ENGINES - MARINE OUTBOARD							
35HP		64-89	UT System	UT	12	4411940	PH130-0068
45HP		64-89	UT System	UT	12	4411940	PH130-0068
50HP		64-89	UT System	UT	12	4411940	PH130-0068
55HP		64-89	UT System	UT	12	4411940	PH130-0068
70HP		66-89	UT System	UT	12	4412040	PH130-0047
85HP		66-89	UT System	UT	12	4412040	PH130-0047
125HP		66-89	UT System	UT	12	4412040	PH130-0047
140HP		66-89	UT System	UT	12	4412040	PH130-0047
150HP		66-89	UT System	UT	12	4412040	PH130-0047

## WEST BEND

ENGINES - MARINE OUTBOARD							
25HP		61-62	Prestolite System	PS	12	MDO4004M	PH130-0038
40HP		61-62	Prestolite System	PS	12	MDO4004M	PH130-0038

## YAMAHA

ENGINES - MARINE OUTBOARD							
9.9EL		86-90	Hitachi System	HI	12	682-81800-12	PH130-0061
9.9EL		84-85	Hitachi System	HI	12	682-81800-11	PH130-0061
9.9ELH		91-96	Hitachi System	HI	12	682-81800-12	PH130-0061
9.9ELR		96-97	Hitachi System	HI	12	682-81800-12	PH130-0061
9.9ES		86-90	Hitachi System	HI	12	682-81800-12	PH130-0061
9.9ES		84-85	Hitachi System	HI	12	682-81800-11	PH130-0061
9.9ESH		91-97	Hitachi System	HI	12	682-81800-12	PH130-0061
9.9L		86-90	Hitachi System	HI	12	682-81800-12	PH130-0061
9.9L		84-85	Hitachi System	HI	12	682-81800-11	PH130-0061
9.9MLH		91-97	Hitachi System	HI	12	682-81800-12	PH130-0061
9.9MSH		91-97	Hitachi System	HI	12	682-81800-12	PH130-0061
9.9S		86-90	Hitachi System	HI	12	682-81800-12	PH130-0061
9.9S		84-85	Hitachi System	HI	12	682-81800-11	PH130-0061
15EL		86-90	Hitachi System	HI	12	682-81800-12	PH130-0061
15EL		84-85	Hitachi System	HI	12	682-81800-11	PH130-0061
15ELH		91-97	Hitachi System	HI	12	682-81800-12	PH130-0061
15ES		86-90	Hitachi System	HI	12	682-81800-12	PH130-0061
15ES		84-85	Hitachi System	HI	12	682-81800-11	PH130-0061
15ESH		91-97	Hitachi System	HI	12	682-81800-12	PH130-0061
15L		86-90	Hitachi System	HI	12	682-81800-12	PH130-0061
15L		84-85	Hitachi System	HI	12	682-81800-11	PH130-0061
15MLH		91-97	Hitachi System	HI	12	682-81800-12	PH130-0061
15MSH		91-97	Hitachi System	HI	12	682-81800-12	PH130-0061
15S		86-90	Hitachi System	HI	12	682-81800-12	PH130-0061
15S		84-85	Hitachi System	HI	12	682-81800-11	PH130-0061
20MLH		96-97	Hitachi System	HI	12	6L2-81820-11	PH130-0061
20MSH		96-97	Hitachi System	HI	12	6L2-81820-11	PH130-0061
25EL		88-90	Hitachi System	HI	12	6L2-81820-11	PH130-0061
25EL		84-85	Hitachi System	HI	12	689-81800-13	PH130-0049
25ELH		06-On	Hitachi System	HI	12	6L2-81820-20	PH130-0061
25ELH		91-98	Hitachi System	HI	12	6L2-81820-11	PH130-0061
25ELR		06-On	Hitachi System	HI	12	6L2-81820-20	PH130-0061
25ELR		91-98	Hitachi System	HI	12	6L2-81820-11	PH130-0061
25ES		88-90	Hitachi System	HI	12	6L2-81820-11	PH130-0061
25ES		84-85	Hitachi System	HI	12	689-81800-13	PH130-0049
25WSH		06-On	Hitachi System	HI	12	6L2-81820-20	PH130-0061
25ESH		91-98	Hitachi System	HI	12	6L2-81820-11	PH130-0061
25ESR		06-09	Hitachi System	HI	12	6L2-81820-20	PH130-0061
25L		88-90	Hitachi System	HI	12	6L2-81820-11	PH130-0061
25L		84-85	Hitachi System	HI	12	689-81800-13	PH130-0049
25MHZ		01	Hitachi System	HI	12	6F5-81800-11	PH130-0062
25MLH		06-On	Hitachi System	HI	12	6L2-81820-20	PH130-0061
25MLH		99	Hitachi System	HI	12	6F5-81800-11	PH130-0062
25MLH		91-98	Hitachi System	HI	12	6L2-81820-11	PH130-0061
25MSH		06-On	Hitachi System	HI	12	6L2-81820-20	PH130-0061
25MSH		99	Hitachi System	HI	12	6F5-81800-11	PH130-0062
25MSH		91-98	Hitachi System	HI	12	6L2-81820-11	PH130-0061
25S		88-90	Hitachi System	HI	12	6L2-81820-11	PH130-0061
25S		84-85	Hitachi System	HI	12	689-81800-13	PH130-0049
30EH		99	Hitachi System	HI	12	6F5-81800-11	PH130-0062
30EL		87-90	Hitachi System	HI	12	6J4-81800-01	PH130-0062
30EL		84-86	Hitachi System	HI	12	689-81800-13	PH130-0049

PROTORQUE - Outboard Starters & Components



# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>YAMAHA - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
30ELH		96-01	Hitachi System	HI	12	6F5-81800-11	PH130-0062
30ELR		96-01	Hitachi System	HI	12	6F5-81800-11	PH130-0062
30ELR		91-93	Hitachi System	HI	12	6J4-81800-01	PH130-0062
30ER		99	Hitachi System	HI	12	6F5-81800-11	PH130-0062
30ES		87-90	Hitachi System	HI	12	6J4-81800-01	PH130-0062
30ES		84-86	Hitachi System	HI	12	689-81800-13	PH130-0049
30ESR		96-98	Hitachi System	HI	12	6F5-81800-11	PH130-0062
30ESR		91-93	Hitachi System	HI	12	6J4-81800-01	PH130-0062
30L		87-90	Hitachi System	HI	12	6J4-81800-01	PH130-0062
30MH		99	Hitachi System	HI	12	6F5-81800-11	PH130-0062
30MLH		96-01	Hitachi System	HI	12	6F5-81800-11	PH130-0062
30MLH		91-93	Hitachi System	HI	12	6J4-81800-01	PH130-0062
30MSH		96-02	Hitachi System	HI	12	6F5-81800-11	PH130-0062
30MSH		91-93	Hitachi System	HI	12	6J4-81800-01	PH130-0062
30S		87-90	Hitachi System	HI	12	6J4-81800-01	PH130-0062
40EJR		91-99	Hitachi System	HI	12	6F5-81800-11	PH130-0062
40EL		89-90	Hitachi System	HI	12	6J4-81800-01	PH130-0062
40EL		84-86	Hitachi System	HI	12	6H4-81800-12	PH130-0063
40ELR		91-98	Hitachi System	HI	12	6F5-81800-11	PH130-0062
40ES		89-90	Hitachi System	HI	12	6J4-81800-01	PH130-0062
40ES		84-86	Hitachi System	HI	12	6H4-81800-12	PH130-0063
40ESR		91-99	Hitachi System	HI	12	6F5-81800-11	PH130-0062
40ETL		89-90	Hitachi System	HI	12	6J4-81800-01	PH130-0062
40ETL		85-86	Hitachi System	HI	12	6H4-81800-12	PH130-0063
40L		89-90	Hitachi System	HI	12	6J4-81800-01	PH130-0062
40L		84-86	Hitachi System	HI	12	6H4-81800-12	PH130-0063
40MH		00	Hitachi System	HI	12	6F5-81800-11	PH130-0062
40MJH		91-01	Hitachi System	HI	12	6F5-81800-11	PH130-0062
40MLH		91-01	Hitachi System	HI	12	6F5-81800-11	PH130-0062
40MSH		91-99	Hitachi System	HI	12	6F5-81800-11	PH130-0062
40PLR		91-94	Hitachi System	HI	12	6F5-81800-11	PH130-0062
40S		89-90	Hitachi System	HI	12	6J4-81800-01	PH130-0062
40S		84-86	Hitachi System	HI	12	6H4-81800-12	PH130-0063
40SJD		89-90	Hitachi System	HI	12	6J4-81800-01	PH130-0062
40TLH		96-97	Hitachi System	HI	12	6F5-81800-11	PH130-0062
40TLR		94-On	Hitachi System	HI	12	6F5-81800-11	PH130-0062
50EJR		92-99	Hitachi System	HI	12	6F5-81800-11	PH130-0062
50EJR		91	Hitachi System	HI	12	6J4-81800-01	PH130-0062
50EL		89-90	Hitachi System	HI	12	6J4-81800-01	PH130-0062
50EL		86-88	Hitachi System	HI	12	6H4-81800-12	PH130-0063
50ELR		92-95	Hitachi System	HI	12	6F5-81800-11	PH130-0062
50ELR		91	Hitachi System	HI	12	6J4-81800-01	PH130-0062
50ER		00	Hitachi System	HI	12	6F5-81800-11	PH130-0062
50ES		89-90	Hitachi System	HI	12	6J4-81800-01	PH130-0062
50ES		86-88	Hitachi System	HI	12	6H4-81800-12	PH130-0063
50ESJD		89-90	Hitachi System	HI	12	6J4-81800-01	PH130-0062
50ESJD		87-88	Hitachi System	HI	12	6H4-81800-12	PH130-0063
50ETL		86	Hitachi System	HI	12	6H4-81800-12	PH130-0063
50ETML		90	Hitachi System	HI	12	6J4-81800-01	PH130-0062
50TH		94	Hitachi System	HI	12	6F5-81800-11	PH130-0062
50TLH		92-97	Hitachi System	HI	12	6F5-81800-11	PH130-0062
50TLH		91	Hitachi System	HI	12	6J4-81800-01	PH130-0062
50TLR		02-On	Hitachi System	HI	12	6F5-81800-11	PH130-0062
50TLR		97	Hitachi System	HI	12	6F5-81800-11	PH130-0062
60TLR		02-On	Hitachi System	HI	12	6H3-81800-11	PH130-0050
70ETL		84-90	Hitachi System	HI	12	6H3-81800-11	PH130-0050
70TLR		91-On	Hitachi System	HI	12	6H3-81800-11	PH130-0050
70TRX		99	Hitachi System	HI	12	6H3-81800-11	PH130-0050
90ETL		84-90	Hitachi System	HI	12	688-81800-12	PH130-0058
90ETLJD		87-90	Hitachi System	HI	12	688-81800-12	PH130-0058
90ETX		84	Hitachi System	HI	12	688-81800-12	PH130-0058
90TJR		91-01	Hitachi System	HI	12	688-81800-12	PH130-0058
90TLR		91-On	Hitachi System	HI	12	688-81800-12	PH130-0058
115ETL		84-90	Hitachi System	HI	12	6E5-81800-12	PH130-0005
115ETLJD		87-90	Hitachi System	HI	12	6E5-81800-12	PH130-0005
115ETX		84-90	Hitachi System	HI	12	6E5-81800-12	PH130-0005
115TJR		97-99	Hitachi System	HI	12	6N7-81800-00	PH130-0051
115TJR		91-96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
115TLR		02-On	Hitachi System	HI	12	6N7-81800-10	PH130-0051
115TLR		97-98	Hitachi System	HI	12	6N7-81800-00	PH130-0051
115TLR		91-96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
115TR		00	Hitachi System	HI	12	6N7-81800-10	PH130-0051
115TXR		02-On	Hitachi System	HI	12	6N7-81800-10	PH130-0051
115TXR		91-95	Hitachi System	HI	12	6E5-81800-12	PH130-0005
130ETL		88-90	Hitachi System	HI	12	6E5-81800-12	PH130-0005
130ETX		88-90	Hitachi System	HI	12	6E5-81800-12	PH130-0005
130TLR		02-04	Hitachi System	HI	12	6N7-81800-10	PH130-0051

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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>YAMAHA - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
130TLR		97-99	Hitachi System	HI	12	6N7-81800-00	PH130-0051
130TLR		91-96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
130TR		00	Hitachi System	HI	12	6N7-81800-10	PH130-0051
130TXR		02-04	Hitachi System	HI	12	6N7-81800-10	PH130-0051
130TXR		91-95	Hitachi System	HI	12	6E5-81800-12	PH130-0005
150ETL		85-90	Hitachi System	HI	12	6E5-81800-12	PH130-0005
150ETX		85-90	Hitachi System	HI	12	6E5-81800-12	PH130-0005
150TJR		98-99	Hitachi System	HI	12	6N7-81800-01	PH130-0051
150TJR		97	Hitachi System	HI	12	6N7-81800-00	PH130-0051
150TJR		96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
150TLR		98	Hitachi System	HI	12	6N7-81800-01	PH130-0051
150TLR		97	Hitachi System	HI	12	6N7-81800-00	PH130-0051
150TLR		91-96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
150TR		00	Hitachi System	HI	12	6N7-81800-10	PH130-0051
150TXR		01-On	Hitachi System	HI	12	6N7-81800-10	PH130-0051
150TXR		91-95	Hitachi System	HI	12	6E5-81800-12	PH130-0005
175ETL		85-90	Hitachi System	HI	12	6E5-81800-12	PH130-0005
175ETX		85-90	Hitachi System	HI	12	6E5-81800-12	PH130-0005
175TLR		98	Hitachi System	HI	12	6N7-81800-01	PH130-0051
175TLR		97	Hitachi System	HI	12	6N7-81800-00	PH130-0051
175TLR		91-96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
175TR		00	Hitachi System	HI	12	6N7-81800-10	PH130-0051
175TXR		91-95	Hitachi System	HI	12	6E5-81800-12	PH130-0005
200ETL		84-90	Hitachi System	HI	12	6E5-81800-12	PH130-0005
200ETLUD		89-90	Hitachi System	HI	12	6E5-81800-12	PH130-0005
200ETX		84-90	Hitachi System	HI	12	6E5-81800-12	PH130-0005
200TJR		91-95	Hitachi System	HI	12	6E5-81800-12	PH130-0005
200TLR		98	Hitachi System	HI	12	6N7-81800-01	PH130-0051
200TLR		97	Hitachi System	HI	12	6N7-81800-00	PH130-0051
200TLR		91-96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
200TXR		91-95	Hitachi System	HI	12	6E5-81800-12	PH130-0005
225ETL		90	Hitachi System	HI	12	61H-81800-01	PH130-0059
225ETX		90	Hitachi System	HI	12	61H-81800-01	PH130-0059
225TLR		97	Hitachi System	HI	12	6N7-81800-00	PH130-0051
225TLR		94-96	Hitachi System	HI	12	61A-81800-01	PH130-0059
225TLR		91-93	Hitachi System	HI	12	61H-81800-01	PH130-0059
225TUR		95	Hitachi System	HI	12	61A-81800-01	PH130-0059
225TXR		94-95	Hitachi System	HI	12	61A-81800-01	PH130-0059
225TXR		91-93	Hitachi System	HI	12	61H-81800-01	PH130-0059
250ETX		90	Hitachi System	HI	12	61A-81800-01	PH130-0059
250TUR		91-95	Hitachi System	HI	12	61A-81800-01	PH130-0059
250TXR		91-95	Hitachi System	HI	12	61A-81800-01	PH130-0059
B90TLR		98-99	Hitachi System	HI	12	688-81800-12	PH130-0058
B115TLR		98-99	Hitachi System	HI	12	6N7-81800-01	PH130-0051
C25ELH		93-97	Hitachi System	HI	12	689-81800-13	PH130-0049
C25ELR		91-97	Hitachi System	HI	12	689-81800-13	PH130-0049
C25MLH		93-97	Hitachi System	HI	12	689-81800-13	PH130-0049
C25MSH		93-97	Hitachi System	HI	12	689-81800-13	PH130-0049
C30ELR		91-97	Hitachi System	HI	12	689-81800-13	PH130-0049
C40ELR		91-97	Hitachi System	HI	12	689-81800-13	PH130-0049
C40ESH		97	Hitachi System	HI	12	689-81800-13	PH130-0049
C40MLH		95	Hitachi System	HI	12	689-81800-13	PH130-0049
C40MSH		92-97	Hitachi System	HI	12	689-81800-13	PH130-0049
C40PLR		92-97	Hitachi System	HI	12	689-81800-13	PH130-0049
C40TLR		97-02	Hitachi System	HI	12	6F5-81800-11	PH130-0062
C50TLR		98-01	Hitachi System	HI	12	6F5-81800-11	PH130-0062
C55ELR		91-95	Hitachi System	HI	12	697-81800-12	PH130-0007
C55TLR		93-95	Hitachi System	HI	12	697-81800-12	PH130-0007
C60TLR		96-01	Hitachi System	HI	12	6H3-81800-11	PH130-0050
C70TLR		00-01	Hitachi System	HI	12	6H3-81800-11	PH130-0050
C75TLR		94-99	Hitachi System	HI	12	688-81800-12	PH130-0058
C80TLR		97	Hitachi System	HI	12	688-81800-12	PH130-0058
C85TLR		91-96	Hitachi System	HI	12	688-81800-12	PH130-0058
C90TLR		97-01	Hitachi System	HI	12	688-81800-12	PH130-0058
C115TLR		98-99	Hitachi System	HI	12	6N7-81800-01	PH130-0051
C115TLR		97	Hitachi System	HI	12	6N7-81800-00	PH130-0051
C115TLR		91-96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
C115TR		00	Hitachi System	HI	12	6N7-81800-10	PH130-0051
C115TXR		98-99	Hitachi System	HI	12	6N7-81800-01	PH130-0051
C115TXR		97	Hitachi System	HI	12	6N7-81800-00	PH130-0051
C115TXR		92-96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
C150TLR		97-99	Hitachi System	HI	12	6N7-81800-00	PH130-0051
C150TLR		96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
C150TXR		97-99	Hitachi System	HI	12	6N7-81800-12	PH130-0051
C150TXR		96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
CV25EL		90	Hitachi System	HI	12	689-81800-13	PH130-0049
CV25EML		90	Hitachi System	HI	12	689-81800-13	PH130-0049

PROTORQUE - Outboard Starters & Components





# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>YAMAHA - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
CV30EL		90	Hitachi System	HI	12	689-81800-13	PH130-0049
CV40EL		90	Hitachi System	HI	12	689-81800-13	PH130-0049
CV85EL		90	Hitachi System	HI	12	688-81800-12	PH130-0058
CV85ETL		90	Hitachi System	HI	12	688-81800-12	PH130-0058
D150TLR		97-99	Hitachi System	HI	12	6N7-81800-00	PH130-0051
DX150TLR		99-05	Hitachi System	HI	12	6N7-81800-10	PH130-0051
F9.9ELR		01-On	Hitachi System	HI	12	6G8-81800-11	PH130-0062
F9.9ELR2		05-07	Hitachi S/N 66NK-1001710	HI	12	66M-81800-02	PH130-0084
F9.9ELR2		05-07	Hitachi S/N 66NK-1000001	HI	12	66M-81800-01	PH130-0084
F9.9FELR		08-On	Hitachi System	HI	12	68T-81800-00	PH130-0062
F9.9FMLH		08-On	Hitachi System	HI	12	68T-81800-00	PH130-0062
F9.9FMSH		08-On	Hitachi System	HI	12	68T-81800-00	PH130-0062
F9.9MLH		99-On	Hitachi System	HI	12	6G8-81800-11	PH130-0062
F9.9MLH2		07	Hitachi S/N 66NK-1001710	HI	12	66M-81800-02	PH130-0084
F9.9MLH2		07	Hitachi S/N 66NK-1000001	HI	12	66M-81800-01	PH130-0084
F9.9MSH		99-On	Hitachi System	HI	12	6G8-81800-11	PH130-0062
F9.9MSH2		07	Hitachi S/N 66NK-1001710	HI	12	66M-81800-02	PH130-0084
F9.9MSH2		07	Hitachi S/N 66NK-1000001	HI	12	66M-81800-01	PH130-0084
F15EH		00	Hitachi System	HI	12	66M-81800-01	PH130-0084
F15ELH		00-06	Hitachi System	HI	12	66M-81800-01	PH130-0084
F15ESH		00-06	Hitachi System	HI	12	66M-81800-01	PH130-0084
F15MH		00	Hitachi System	HI	12	66M-81800-01	PH130-0084
F15MLH		01-06	Hitachi System	HI	12	66M-81800-01	PH130-0084
F15MSH		01-06	Hitachi System	HI	12	66M-81800-01	PH130-0084
F15PLH		01-06	Hitachi System	HI	12	66M-81800-01	PH130-0084
F15PLR		01-06	Hitachi System	HI	12	66M-81800-01	PH130-0084
F25EH		00	UT Starter	UT	12	65W-81800-01	PH130-0029
F25ELH		05-On	UT Starter	UT	12	65W-81800-02	PH130-0029
F25ELH		00-04	UT Starter	UT	12	65W-81800-01	PH130-0029
F25ELH		98-99	UT Starter	UT	12	65W-81800-00	PH130-0029
F25ELR		05-On	UT Starter	UT	12	65W-81800-02	PH130-0029
F25ELR		00-04	UT Starter	UT	12	65W-81800-01	PH130-0029
F25ELR		98-99	UT Starter	UT	12	65W-81800-00	PH130-0029
F25ESH		05-On	UT Starter	UT	12	65W-81800-02	PH130-0029
F25ESH		00-04	UT Starter	UT	12	65W-81800-01	PH130-0029
F25ESH		98-99	UT Starter	UT	12	65W-81800-00	PH130-0029
F25ESR		05-On	UT Starter	UT	12	65W-81800-02	PH130-0029
F25ESR		01-04	UT Starter	UT	12	65W-81800-01	PH130-0029
F25MH		00	UT Starter	UT	12	65W-81800-01	PH130-0029
F25MLH		05-On	UT Starter	UT	12	65W-81800-02	PH130-0029
F25MLH		00-04	UT Starter	UT	12	65W-81800-01	PH130-0029
F25MLH		99	UT Starter	UT	12	65W-81800-00	PH130-0029
F25MSH		05-On	UT Starter	UT	12	65W-81800-02	PH130-0029
F25MSH		00-04	UT Starter	UT	12	65W-81800-01	PH130-0029
F25MSH		99	UT Starter	UT	12	65W-81800-00	PH130-0029
F25TLR		05-On	UT Starter	UT	12	65W-81800-02	PH130-0029
F25TLR		00-04	UT Starter	UT	12	65W-81800-01	PH130-0029
F25TLR		98-99	UT Starter	UT	12	65W-81800-00	PH130-0029
F30TLR		05-On	UT Starter	UT	12	67C-81800-01	PH130-0029
F30TLR		01-04	UT Starter	UT	12	67C-81800-00	PH130-0029
F40BEJR		08-09	UT Starter	UT	12	67C-81800-02	PH130-0029
F40BMJH		08-09	UT Starter	UT	12	67C-81800-02	PH130-0029
F40BMLH		08-09	UT Starter	UT	12	67C-81800-02	PH130-0029
F40BTLR		08-09	UT Starter	UT	12	67C-81800-02	PH130-0029
F40EJR		06-07	UT Starter	UT	12	67C-81800-02	PH130-0029
F40EJR		05	UT Starter	UT	12	67C-81800-01	PH130-0029
F40EJR		03-04	UT Starter	UT	12	67C-81800-00	PH130-0029
F40ESR		00-04	UT Starter	UT	12	67C-81800-00	PH130-0029
F40MH		00	UT Starter	UT	12	67C-81800-00	PH130-0029
F40MJH		06-07	UT Starter	UT	12	67C-81800-02	PH130-0029
F40MJH		05	UT Starter	UT	12	67C-81800-01	PH130-0029
F40MJH		01-04	UT Starter	UT	12	67C-81800-00	PH130-0029
F40MLH		06-07	UT Starter	UT	12	67C-81800-02	PH130-0029
F40MLH		05	UT Starter	UT	12	67C-81800-01	PH130-0029
F40MLH		01-04	UT Starter	UT	12	67C-81800-00	PH130-0029
F40MSH		06-On	UT Starter	UT	12	67C-81800-02	PH130-0029
F40MSH		05	UT Starter	UT	12	67C-81800-01	PH130-0029
F40MSH		01-04	UT Starter	UT	12	67C-81800-00	PH130-0029
F40TLR		06-07	UT Starter	UT	12	67C-81800-02	PH130-0029
F40TLR		05	UT Starter	UT	12	67C-81800-01	PH130-0029
F40TLR		00-04	UT Starter	UT	12	67C-81800-00	PH130-0029
F40TLR		99	Hitachi System	HI	12	6E5-81800-12	PH130-0005
F50TJR		01-02	Hitachi System	HI	12	6E5-81800-12	PH130-0005
F50TLH		96-98	Hitachi System	HI	12	6E5-81800-12	PH130-0005
F50TLR		03-04	Hitachi System	HI	12	69W-81800-00	PH130-0082
F50TLR		96-02	Hitachi System	HI	12	6E5-81800-12	PH130-0005
F60TJR		02-04	Hitachi System	HI	12	69W-81800-00	PH130-0082

PROTORQUE - Outboard Starters & Components



# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

**PROTORQUE - Outboard Starters & Components**

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>YAMAHA - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
F60TLR		02-04	Hitachi System	HI	12	69W-81800-00	PH130-0082
F75TLR		05-On	Hitachi System	HI	12	68V-81800-01	PH130-0057
F75TLR		03-04	Hitachi System	HI	12	67F-81800-02	PH130-0055
F80TJR		01-02	Hitachi System	HI	12	67F-81800-02	PH130-0055
F80TLR		01-02	Hitachi System	HI	12	67F-81800-02	PH130-0055
F80TLR		00	Hitachi System	HI	12	67F-81800-01	PH130-0055
F80TLR		99	Hitachi System	HI	12	67F-81800-00	PH130-0055
F90TJR		05-On	Hitachi System	HI	12	68V-81800-01	PH130-0057
F90TJR		03-04	Hitachi System	HI	12	67F-81800-02	PH130-0055
F90TLR		05-On	Hitachi System	HI	12	68V-81800-01	PH130-0057
F90TLR		03-04	Hitachi System	HI	12	67F-81800-02	PH130-0055
F90TXR		05-On	Hitachi System	HI	12	68V-81800-01	PH130-0057
F100TLR		01-02	Hitachi System	HI	12	67F-81800-02	PH130-0055
F100TLR		00	Hitachi System	HI	12	67F-81800-01	PH130-0055
F100TLR		99	Hitachi System	HI	12	67F-81800-00	PH130-0055
F100TXR		01-02	Hitachi System	HI	12	67F-81800-02	PH130-0055
F100TXR		00	Hitachi System	HI	12	67F-81800-01	PH130-0055
F100TXR		99	Hitachi System	HI	12	67F-81800-00	PH130-0055
F115TJR		01-On	Hitachi System	HI	12	68V-81800-01	PH130-0057
F115TLR		01-On	Hitachi System	HI	12	68V-81800-01	PH130-0057
F115TLR		00	Hitachi System	HI	12	68V-81800-00	PH130-0057
F115TXR		01-On	Hitachi System	HI	12	68V-81800-01	PH130-0057
F115TXR		00	Hitachi System	HI	12	68V-81800-00	PH130-0057
F150TJR		10-On	Hitachi System	HI	12	6BR-81800-00	PH130-0073
F150TLR		06-On	Hitachi System	HI	12	6BR-81800-00	PH130-0073
F150TLR		04-05	Hitachi System	HI	12	63P-81800-00	PH130-0073
F150TXR		06-On	Hitachi System	HI	12	6BR-81800-00	PH130-0073
F150TXR		04-05	Hitachi System	HI	12	63P-81800-00	PH130-0073
F200TXR		02-On	Hitachi System	HI	12	69J--81800-00	PH130-0074
F225TLR		08-On	Hitachi System	HI	12	6BR-81800-00	PH130-0073
F225TUR		02-06	Hitachi System	HI	12	69J--81800-00	PH130-0074
F225TXR		02-On	Hitachi System	HI	12	69J--81800-00	PH130-0074
F250BTUR		09-On	Hitachi System	HI	12	6BR-81800-00	PH130-0073
F250BTXR		09-On	Hitachi System	HI	12	6BR-81800-00	PH130-0073
F250TUR		06-08	Hitachi System	HI	12	6BR-81800-00	PH130-0073
F250TXR		06-On	Hitachi System	HI	12	6BR-81800-00	PH130-0073
FT9.9EL		85-90	Hitachi System	HI	12	6G8-81800-11	PH130-0062
FT9.9EFL		90	Hitachi System	HI	12	6G8-81800-11	PH130-0062
FT9.9EX		85-90	Hitachi System	HI	12	6G8-81800-11	PH130-0062
FT9.9X		85-90	Hitachi System	HI	12	6G8-81800-11	PH130-0062
L130ETX		89-90	Hitachi System	HI	12	6E5-81800-12	PH130-0005
L130TR		00	Hitachi System	HI	12	6N7-81800-10	PH130-0051
L130TXR		97-99	Hitachi System	HI	12	6N7-81800-00	PH130-0051
L130TXR		91-96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
L150ETX		86-90	Hitachi System	HI	12	6E5-81800-12	PH130-0005
L150TXR		98-99	Hitachi System	HI	12	6N7-81800-01	PH130-0051
L150TXR		97	Hitachi System	HI	12	6N7-81800-00	PH130-0051
L150TXR		91-96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
L200ETX		86-90	Hitachi System	HI	12	6E5-81800-12	PH130-0005
L200TLR		95	Hitachi System	HI	12	6E5-81800-12	PH130-0005
L200TXR		98-99	Hitachi System	HI	12	6N7-81800-01	PH130-0051
L200TXR		97	Hitachi System	HI	12	6N7-81800-00	PH130-0051
L200TXR		91-96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
L225TUR		95-96	Hitachi System	HI	12	61A-81800-01	PH130-0059
L225TXR		94-99	Hitachi System	HI	12	61A-81800-01	PH130-0059
L250ETX		90	Hitachi System	HI	12	61A-81800-01	PH130-0059
L250TLR		91	Hitachi System	HI	12	61A-81800-01	PH130-0059
L250TUR		92-99	Hitachi System	HI	12	61A-81800-01	PH130-0059
L250TXR		92-99	Hitachi System	HI	12	61A-81800-01	PH130-0059
LF115TR		00	Hitachi System	HI	12	68V-81800-00	PH130-0057
LF115TXR		01-On	Hitachi System	HI	12	68V-81800-01	PH130-0057
LF150TXR		08-On	Hitachi System	HI	12	6BR-81800-00	PH130-0073
LF150TXR		04-07	Hitachi System	HI	12	63P-81800-00	PH130-0073
LF200TXR		02-On	Hitachi System	HI	12	69J--81800-00	PH130-0074
LF225TUR		02-06	Hitachi System	HI	12	69J--81800-00	PH130-0074
LF225TUR		97-98	Hitachi System	HI	12	61A-81800-01	PH130-0059
LF225TXR		02-On	Hitachi System	HI	12	69J--81800-00	PH130-0074
LF225TXR		97-98	Hitachi System	HI	12	61A-81800-01	PH130-0059
LF250BTUR		09-On	Hitachi System	HI	12	6BR-81800-00	PH130-0073
LF250BTXR		09-On	Hitachi System	HI	12	6BR-81800-00	PH130-0073
LF250TUR		08	Hitachi System	HI	12	6BR-81800-00	PH130-0073
LF250TUR		05-07	Hitachi System	HI	12	63P-81800-00	PH130-0073
LF250TXR		08-On	Hitachi System	HI	12	6BR-81800-00	PH130-0073
LF250TXR		05-07	Hitachi System	HI	12	63P-81800-00	PH130-0073
LX150TXR		99-01	Hitachi System	HI	12	6N7-81800-10	PH130-0051
LX200TXR		99-01	Hitachi System	HI	12	6N7-81800-10	PH130-0051
LX225		00	Hitachi System	HI	12	61A-81800-01	PH130-0059



# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>YAMAHA - continued</b>							
<b>ENGINES - MARINE OUTBOARD - continued</b>							
LX225TXR		01-02	Hitachi System	HI	12	61A-81800-01	PH130-0059
LX250TR		00	Hitachi System	HI	12	61A-81800-01	PH130-0059
LX250TUR		01-02	Hitachi System	HI	12	61A-81800-01	PH130-0059
LX250TXR		01-02	Hitachi System	HI	12	61A-81800-01	PH130-0059
LZ150TR		00	Hitachi System	HI	12	68F-81800-01	PH130-0056
LZ150TXR		01-06	Hitachi System	HI	12	68F-81800-01	PH130-0056
LZ200TR		00	Hitachi System	HI	12	68F-81800-01	PH130-0056
LZ200TXR		01-On	Hitachi System	HI	12	68F-81800-01	PH130-0056
LZ250TUR		04-06	Hitachi System	HI	12	60X-81800-00	PH130-0076
LZ250TUR		03	Hitachi System	HI	12	60V-81800-00	PH130-0076
LZ250TXR		04-06	Hitachi System	HI	12	60X-81800-00	PH130-0076
LZ250TXR		03	Hitachi System	HI	12	60V-81800-00	PH130-0076
P40EJR		98	Hitachi System	HI	12	6F5-81800-11	PH130-0062
P40TLH		98	Hitachi System	HI	12	6F5-81800-11	PH130-0062
P50TLR		93-96	Hitachi System	HI	12	6F5-81800-11	PH130-0062
P50TLR		91-92	Hitachi System	HI	12	6J4-81800-01	PH130-0062
P60TLH		91-99	Hitachi System	HI	12	6H3-81800-11	PH130-0050
P75TLH		96-99	Hitachi System	HI	12	688-81800-12	PH130-0058
P115TLR		93-96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
P150TLR		97-99	Hitachi System	HI	12	6N7-81800-00	PH130-0051
P150TLR		91-96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
P175TLR		97-99	Hitachi System	HI	12	6N7-81800-00	PH130-0051
P175TLR		94-96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
P200TLR		97-99	Hitachi System	HI	12	6N7-81800-00	PH130-0051
P200TLR		91-96	Hitachi System	HI	12	61H-81800-01	PH130-0059
PRO50L		88-90	Hitachi System	HI	12	6J4-81800-01	PH130-0062
PRO50L		87	Hitachi System	HI	12	6H4-81800-12	PH130-0063
PRO150L		86-90	Hitachi System	HI	12	6E5-81800-12	PH130-0005
PX150TLR		99	Hitachi System	HI	12	6N7-81800-10	PH130-0051
S115TLR		97-99	Hitachi System	HI	12	6N7-81800-00	PH130-0051
S115TLR		96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
S115TXR		97-99	Hitachi System	HI	12	6N7-81800-00	PH130-0051
S115TXR		96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
S130TLR		97-99	Hitachi System	HI	12	6N7-81800-00	PH130-0051
S130TLR		96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
S130TRX		97-99	Hitachi System	HI	12	6N7-81800-00	PH130-0051
S130TRX		96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
S150TLR		98-99	Hitachi System	HI	12	6N7-81800-01	PH130-0051
S150TLR		97	Hitachi System	HI	12	6N7-81800-00	PH130-0051
S150TLR		96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
S150TSR		96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
S150TXR		98-99	Hitachi System	HI	12	6N7-81800-01	PH130-0051
S150TXR		97	Hitachi System	HI	12	6N7-81800-00	PH130-0051
S175TXR		98-99	Hitachi System	HI	12	6N7-81800-01	PH130-0051
S175TXR		97	Hitachi System	HI	12	6N7-81800-00	PH130-0051
S175TXR		96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
S200TXR		98-99	Hitachi System	HI	12	6N7-81800-01	PH130-0051
S200TXR		97	Hitachi System	HI	12	6N7-81800-00	PH130-0051
S200TXR		96	Hitachi System	HI	12	6E5-81800-12	PH130-0005
S225TUR		96-99	Hitachi System	HI	12	61A-81800-01	PH130-0059
S225TXR		96-99	Hitachi System	HI	12	61A-81800-01	PH130-0059
S250TUR		96-97	Hitachi System	HI	12	61A-81800-01	PH130-0059
S250TXR		96-99	Hitachi System	HI	12	61A-81800-01	PH130-0059
SX150TLR		99	Hitachi System	HI	12	6N7-81800-10	PH130-0051
SX150TXR		99-04	Hitachi System	HI	12	6N7-81800-10	PH130-0051
SX200TLR		03-04	Hitachi System	HI	12	6N7-81800-10	PH130-0051
SX200TXR		01-05	Hitachi System	HI	12	6N7-81800-10	PH130-0051
SX225TR		00	Hitachi System	HI	12	61A-81800-01	PH130-0059
SX225TUR		01-02	Hitachi System	HI	12	61A-81800-01	PH130-0059
SX225TXR		01-02	Hitachi System	HI	12	61A-81800-01	PH130-0059
SX250TR		00	Hitachi System	HI	12	61A-81800-01	PH130-0059
SX250TUR		01-02	Hitachi System	HI	12	61A-81800-01	PH130-0059
SX250TXR		01-02	Hitachi System	HI	12	61A-81800-01	PH130-0059
T8DELH		08-On	Hitachi System	HI	12	68T-81800-00	PH130-0062
T8DEXH		08-On	Hitachi System	HI	12	68T-81800-00	PH130-0062
T8DPLH		08-On	Hitachi System	HI	12	68T-81800-00	PH130-0062
T8DPLR		08-On	Hitachi System	HI	12	68T-81800-00	PH130-0062
T8DPXH		08-On	Hitachi System	HI	12	68T-81800-00	PH130-0062
T8DPXR		08-On	Hitachi System	HI	12	68T-81800-00	PH130-0062
T8ELH		02-07	Hitachi System	HI	12	68T-81800-00	PH130-0062
T8EXH		02-07	Hitachi System	HI	12	68T-81800-00	PH130-0062
T8PLH		02-07	Hitachi System	HI	12	68T-81800-00	PH130-0062
T8PLR		02-07	Hitachi System	HI	12	68T-81800-00	PH130-0062
T8PXH		01-07	Hitachi System	HI	12	68T-81800-00	PH130-0062
T8PXR		01-07	Hitachi System	HI	12	68T-81800-00	PH130-0062
T9.9ELH		91-06	Hitachi System	HI	12	6G8-81800-11	PH130-0062
T9.9ELH2		07	Hitachi System	HI	12	66M-81800-02	PH130-0084

PROTORQUE - Outboard Starters & Components



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# APPLICATIONS - OUTBOARD STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
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## YAMAHA - continued

### ENGINES - MARINE OUTBOARD - continued

T9.9ELH2		04-06	Hitachi System	HI	12	66M-81800-01	PH130-0084
T9.9ELR		91-06	Hitachi System	HI	12	6G8-81800-11	PH130-0062
T9.9ELR2		07	Hitachi System	HI	12	66M-81800-02	PH130-0084
T9.9ELR2		05-06	Hitachi System	HI	12	66M-81800-01	PH130-0084
T9.9EXH		91-06	Hitachi System	HI	12	6G8-81800-11	PH130-0062
T9.9EXH2		07	Hitachi System	HI	12	66M-81800-02	PH130-0084
T9.9EXH2		05-06	Hitachi System	HI	12	66M-81800-01	PH130-0084
T9.9EXR		97-01	Hitachi System	HI	12	6G8-81800-11	PH130-0062
T9.9GELH		08-On	Hitachi System	HI	12	68T-81800-00	PH130-0062
T9.9GEXH		08-On	Hitachi System	HI	12	68T-81800-00	PH130-0062
T9.9GPLH		08-On	Hitachi System	HI	12	68T-81800-00	PH130-0062
T9.9GPLR		08-On	Hitachi System	HI	12	68T-81800-00	PH130-0062
T9.9GPXH		08-On	Hitachi System	HI	12	68T-81800-00	PH130-0062
T9.9GPXR		08-On	Hitachi System	HI	12	68T-81800-00	PH130-0062
T9.9MLH		96-97	Hitachi System	HI	12	6G8-81800-11	PH130-0062
T9.9MXH		91-97	Hitachi System	HI	12	6G8-81800-11	PH130-0062
T25TLR		06-On	UT Starter	UT	12	65W-81800-03	PH130-0029
T25TLR		05	UT Starter	UT	12	65W-81800-02	PH130-0029
T25TLR		01-04	UT Starter	UT	12	65W-81800-01	PH130-0029
T50TLR		03-04	Hitachi System	HI	12	69W-81800-00	PH130-0082
T50TLR		96-02	Hitachi System	HI	12	6E5-81800-12	PH130-0005
T60TLR		03-04	Hitachi System	HI	12	69W-81800-00	PH130-0082
V6 EXCEL L		87-89	Hitachi System	HI	12	61H-81800-01	PH130-0059
V6 EXCEL X		87-89	Hitachi System	HI	12	61H-81800-01	PH130-0059
V6 SPECIAL		85-86	Hitachi System	HI	12	6E5-81800-12	PH130-0005
V150TLR		00-On	Hitachi System	HI	12	6N7-81800-10	PH130-0051
V175TLR		00	Hitachi System	HI	12	6N7-81800-10	PH130-0051
V200TLR		98-99	Hitachi System	HI	12	61A-81800-01	PH130-0059
V225TLR		98-99	Hitachi System	HI	12	61A-81800-01	PH130-0059
VX150TLR		00-04	Hitachi System	HI	12	6N7-81800-10	PH130-0051
VX200TLR		04-05	Hitachi System	HI	12	69L-81800-00	PH130-0076
VX200TLR		00-03	Hitachi System	HI	12	61A-81800-01	PH130-0059
VX225TLR		00-04	Hitachi System	HI	12	61A-81800-01	PH130-0059
VX250TLR		02-04	Hitachi System	HI	12	69L-81800-00	PH130-0076
VZ150TLR		00-On	Hitachi System	HI	12	68F-81800-01	PH130-0056
VZ175TLR		01-On	Hitachi System	HI	12	68F-81800-01	PH130-0056
VZ200TLR		05-07	Hitachi System	HI	12	60X-81800-00	PH130-0076
VZ200TLR		01-04	Hitachi System	HI	12	68F-81800-01	PH130-0056
VZ225HTLR		08-On	Hitachi System	HI	12	60X-81800-00	PH130-0076
VZ225TLR		03-07	Hitachi System	HI	12	60X-81800-00	PH130-0076
VZ250FTLR		08-On	Hitachi System	HI	12	60X-81800-00	PH130-0076
VZ250TLR		03-07	Hitachi System	HI	12	60X-81800-00	PH130-0076
Z150TLR		01-04	Hitachi System	HI	12	68F-81800-01	PH130-0056
Z150TR		00	Hitachi System	HI	12	68F-81800-01	PH130-0056
Z150TXR		01-06	Hitachi System	HI	12	68F-81800-01	PH130-0056
Z175TXR		01-06	Hitachi System	HI	12	68F-81800-01	PH130-0056
Z200TLR		05-06	Hitachi System	HI	12	68F-81800-01	PH130-0056
Z200TLR		01	Hitachi System	HI	12	68F-81800-01	PH130-0056
Z200TR		00	Hitachi System	HI	12	68F-81800-01	PH130-0056
Z200TXR		01-On	Hitachi System	HI	12	68F-81800-01	PH130-0056
Z250TUR		05-06	Hitachi System	HI	12	60X-81800-00	PH130-0076
Z250TUR		03-04	Hitachi System	HI	12	60V-81800-00	PH130-0076
Z250TXR		05-06	Hitachi System	HI	12	60X-81800-00	PH130-0076
Z250TXR		03-04	Hitachi System	HI	12	60V-81800-00	PH130-0076

PROTORQUE - Outboard Starters & Components





**PLEASE NOTE**

This page offers optional PROTORQUE part numbers for those units listed within the Outboard Starter & Components application section marked with the symbol “●”.

Please review the OPTIONAL UNITS chart below and note that images along with added information may be found in the Buyer's Guide section of the catalog. Buyer's Guide pages for each part number can be found in the chart below.

PROTORQUE #	OPTIONAL PROTORQUE #	DESCRIPTION	BUYER'S GUIDE PG #
<b>OUTBOARD STARTER &amp; COMPONENTS</b>			
PH130-0001	PH130-0038	OUTBOARD STARTER WITH LATE STYLE 2PC DRIVE	Page 117
PH130-0002	PH130-0043	OUTBOARD STARTER WITH LATE STYLE 2PC DRIVE	Page 118
PH130-0003	PH130-0044	OUTBOARD STARTER WITH LATE STYLE 2PC DRIVE	Page 118
PH130-0004	PH130-0045	OUTBOARD STARTER WITH LATE STYLE 2PC DRIVE	Page 118
PH130-0038	PH130-0001	OUTBOARD STARTER WITH EARLY STYLE 1PC DRIVE	Page 108
PH130-0043	PH130-0002	OUTBOARD STARTER WITH EARLY STYLE 1PC DRIVE	Page 108
PH130-0044	PH130-0003	OUTBOARD STARTER WITH EARLY STYLE 1PC DRIVE	Page 108
PH130-0045	PH130-0004	OUTBOARD STARTER WITH EARLY STYLE 1PC DRIVE	Page 108



**PH130-0001 12 Volt, 11 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for OMC with 1-Piece Drive - Fits 25-40HP 2 Cylinder Engines

See PH130-0038 for Late Style Starter with 2-Piece Rubber Drive



**Replaces:**

- OMC
- 277432, 278232, 378674,
- 379091, 379818, 380139,
- 380238, 380239, 381864, 385401, 386591,
- 386597, 392133, 585061, 586278, 3292133

**PH130-0003 12 Volt, 10 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for OMC with 1-Piece Drive - Fits 80-140HP V4 Cross

See PH130-0044 for Late Style Starter with 2-Piece Rubber Drive



**Replaces:**

- OMC
- 385529, 386465, 389380,
- 389954, 391554, 585051,
- 585057, 585196, 586282, 586283

**PH175-0001**

*11 Tooth Drive*



**PH185-0005**

*Com-End Kit*



**PH175-0006**

*10 Tooth Drive*



**PH185-0001**

*Com-End Kit*



**PH130-0002 12 Volt, 9 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for OMC with 1-Piece Drive - Fits 60-75HP 3Cylinder Engines

See PH130-0043 for Late Style Starter with 2-Piece Rubber Drive



**Replaces:**

- OMC
- 383691, 386657,
- 391735, 585050,
- 585058, 585197, 586281

**PH130-0004 12 Volt, 9 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for OMC with 1-Piece Drive - Fits 40-60HP 2 Cylinder Engines

See PH130-0045 for Late Style Starter with 2-Piece Rubber Drive



**Replaces:**

- OMC
- 384163, 387684,
- 389275, 585063, 586280

**PH175-0003**

*9 Tooth Drive*



**PH185-0001**

*Com-End Kit*



**PH175-0003**

*9 Tooth Drive*



**PH185-0001**

*Com-End Kit*



**PH130-0005 12 Volt, 9 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Yamaha  
Fits 95-00 40-50HP 4-Stroke &  
84-96 115-200HP Engines

**Replaces:**

- HITACHI
- S114-323
- S114-323A
- S114-323B
- S114-323C
- YAMAHA
- 6E5-81800-10-00
- 6E5-81800-11-00
- 6E5-81800-12-00



**PH130-0006 12 Volt, 9 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Mercury 15-30HP  
& Various Suzuki & Nissan / Tohatsu  
Applications 9.9-90HP Engines

**Replaces:**

- HITACHI
- S108-94,-112,
- S108-120
- MERCURY
- 50-853805T03
- 853805T03
- SUZUKI
- 31100-94400,-01,-02
- 31100-96310,-11
- TOHATSU
- 3C8-76010-1, 3C8-76010-1M



**PH130-0007 12 Volt, 9 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Mercury / Mariner,  
Suzuki & Yamaha - Fits 40-65HP  
Complete with Solenoid  
& Wire Harness

**Replaces:**

- HITACHI
- S114-221
- MERCURY
- 50-81490M
- 50-92669M
- 50-97072M
- 50-97072T
- SUZUKI
- 31100-95240
- 31100-95242
- YAMAHA
- 676-81800-10-00
- 697-81800-10-00, 697-81800-11-00,
- 697-81800-12-00, 697-81800-13-00



**PH130-0008 12 Volt, 10 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for OMC  
Fits 200-300HP V6 & V8 Engines

**Replaces:**

- OMC
- 391511
- 396235
- 397023
- 584799
- 586289
- 586411
- 586731
- 586890
- 586897
- 586957



**PH175-0015**

*10 Tooth Drive*



**PH130-0009 12 Volt, 9 Tooth**

*Delco Aftermarket Replacement - CCW*

Replacement Starter for Mercury / Force  
Fits 75-120HP Jet Drive Engines

**Replaces:**

- MERCURY/FORCE
- 50-819968
- 50-819968-1
- 50-819968-2
- 50-819968-3
- 50-819968-4
- 50-819968-T4
- 50-853869
- 50-853869T
- 50-898265003



**PH175-0005**

*9 Tooth Drive*





**PH130-0010 12 Volt, 10 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for Mercury  
Fits 65-125HP Engines

- Replaces:**  
MERCURY  
50-31976  
50-37274  
50-45822  
50-48643  
50-55304A1  
50-58788  
50-67341



**PH130-0012 12 Volt, 10 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for OMC  
Fits 120-140HP Engines

- Replaces:**  
OMC  
393570  
585060  
586285



**PH175-0006**

*10 Tooth Drive*



**PH185-0002**

*Com-End Kit*



**PH175-0006**

*10 Tooth Drive*



**PH185-0001**

*Com-End Kit*



Use PH175-0018  
for Starters with Late  
Style 2-piece drive

**PH130-0011 12 Volt, 10 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for Mercury  
40-50HP Engines

- Replaces:**  
MERCURY  
50-73521  
50-73521T  
50-898265005



**PH130-0013 12 Volt, 10 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for OMC with 2-Piece  
Rubber Drive - Fits 9.9-15HP 4 Stroke  
Engines

- Replaces:**  
OMC  
584608  
586275



**PH175-0006**

*10 Tooth Drive*



**PH185-0011**

*Com-End Kit*



**PH175-0018**

*10 Tooth Drive*



**PH185-0005**

*Com-End Kit*





## BUYER'S GUIDE - OUTBOARD STARTERS & COMPONENTS

### PH130-0014 12 Volt, 10 Tooth

UT Aftermarket Replacement - CCW

Replacement Starter for OMC 9.9-15HP  
2 Cylinder Engines & for Merc/Mariner  
8-9.9HP 4-Stroke Engines

**Replaces:**

MERC/MARINER  
50-825991A2  
825991A2  
OMC  
386430  
586276



### PH130-0016 12 Volt, 9 Tooth

UT Aftermarket Replacement - CCW

Replacement Starter for OMC with 2-Piece  
Rubber Drive - Fits 40-50HP 2 Cylinder  
Engines

**Replaces:**

OMC  
583482  
585056  
586279



### PH175-0016

10 Tooth Drive



### PH185-0007

Com-End Kit



### PH175-0017

9 Tooth Drive



### PH185-0001

Com-End Kit



### PH130-0015 12 Volt, 10 Tooth

UT Aftermarket Replacement - CCW

Replacement Starter for Mercury / Mariner  
Fits 50-60HP Engines

**Replaces:**

MERC/MARINER  
50-44369  
50-44369A1



### PH130-0017 12 Volt, 9 Tooth

UT Aftermarket Replacement - CCW

Replacement Starter for OMC  
Fits 20-35HP 2 Cylinder  
Engines

**Replaces:**

OMC  
583473  
585059



### PH175-0006

10 Tooth Drive



### PH185-0011

Com-End Kit



### PH175-0003

9 Tooth Drive



### PH185-0005

Com-End Kit



Use PH175-0017  
for Starters with Late  
Style 2-piece drive



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**PH130-0018 12 Volt**

*UT Aftermarket Replacement - CW*

Replacement Starter for OMC  
Fits 150-175HP  
V6 Eagle

**Replaces:**  
OMC  
432925  
586286



**PH185-0006**

*Com-End Kit*



**PH130-0019 12 Volt, 8 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for Mercury / Mariner  
Fits 75-125HP 4 Cylinder Engines

**Replaces:**  
MERC/MARINER  
50-66015-1  
50-66015-3  
50-66015T



**PH175-0007**

*8 Tooth Drive*



**PH185-0004**

*Com-End Kit*



**PH130-0020 12 Volt, 10 Tooth**

*UT Aftermarket Replacement - CW*

Replacement Starter for Mercury  
Fits 2.0L, 2.4L, & 2.5L Racing Engines

**Replaces:**  
MERCURY  
50-60594A  
50-60594A1  
50-60594T01



**PH185-0004**

*Com-End Kit*



**PH130-0021 12 Volt, 10 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for Mercury / Mariner  
Fits 8-25HP Engines

**Replaces:**  
MERCURY  
50-893889T  
50-90983A1  
50-8M0033984  
50-90983A  
50-90983T1



**PH175-0008**

*10 Tooth Drive*



**PH185-0010**

*Com-End Kit*



## BUYER'S GUIDE - OUTBOARD STARTERS & COMPONENTS

### PH130-0022 12 Volt, 13 Tooth

UT Aftermarket Replacement - CCW

Replacement Starter for Mercury  
Fits 40-50HP Force / Jet Engines

**Replaces:**

MERCURY

50-820193

50-820193-1

50-820193T1

820193

820193-1

820193T1



### PH130-0024 12 Volt, 10 Tooth

UT Aftermarket Replacement - CCW

Replacement Starter for Mercury / Mariner  
Fits 30-60HP Engines

**Replaces:**

MERCURY

50-822462

50-822462-1

50-822462T1

50-893890T

822462T1

893890T



### PH175-0009

13 Tooth Drive



### PH185-0009

Com-End Kit



### PH175-0021

10 Tooth Drive



### PH185-0008

Com-End Kit



### PH130-0023 12 Volt, 8 Tooth

UT Aftermarket Replacement - CCW

Replacement Starter for Mercury / Mariner  
Fits 200-275HP Engines

**Replaces:**

MERC/MARINER

50-818445

50-818445-2

50-818445-3

50-818445-5



### PH130-0025 12 Volt, 13 Tooth

UT Aftermarket Replacement - CCW

Replacement Starter for Mercury  
Fits 40-50HP Engines

**Replaces:**

MERCURY

50-819271

50-820193A1



### PH175-0007

8 Tooth Drive



### PH185-0008

Com-End Kit



### PH175-0009

13 Tooth Drive



### PH185-0002

Com-End Kit



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**PH130-0026 12 Volt, 10 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for OMC with 2-Piece Rubber Drive - Fits 25-35HP 3 Cylinder Engines

**Replaces:**  
OMC  
584818  
586277



**PH175-0018**

*10 Tooth Drive*



**PH130-0027 12 Volt**

*UT Aftermarket Replacement - CW*

Replacement Starter for OMC Fits 80-115HP V4 Engines

**Replaces:**  
OMC  
584980  
586284



**PH185-0006**

*Com-End Kit*



**PH130-0028 12 Volt, 9 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for Mercury 30-60HP & Yamaha 30-40HP 4-Stroke Engines

**Replaces:**  
MERCURY  
50-854636  
50-854636T  
50-859170T  
50-884045T  
50-888160T  
50-893887T  
854636T, 859170T, 893887T  
YAMAHA  
67C-81800-00-00, -01-00, -02-00



**PH175-0011**

*9 Tooth Drive*



**PH185-0008**

*Com-End Kit*



**PH130-0029 12 Volt, 9 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for Mercury / Mariner & Yamaha - Fits 25HP 4-Stroke Engines

**Replaces:**  
MERCURY  
50-830308-1  
50-830308T  
50-859169T  
50-888151T  
50-893886T  
YAMAHA  
65W-81800-00-00, -01-00  
65W-81800-02-00, -03-00



**PH175-0011**

*9 Tooth Drive*



**PH185-0008**

*Com-End Kit*





## BUYER'S GUIDE - OUTBOARD STARTERS & COMPONENTS

### PH130-0030 12 Volt, 9 Tooth

UT Aftermarket Replacement - CCW

Replacement Starter for Mercury  
Fits 3.0L V6 DFI Engines

**Replaces:**  
MERCURY

50-833153  
50-833153-1  
50-833153-2  
50-833153-5  
50-833153T4



### PH130-0032 12 Volt

UT Aftermarket Replacement - CW

Replacement Starter for OMC  
Fits 75-175HP  
V4 & V6 FICHT  
Engines

**Replaces:**

OMC  
438878  
586257  
586287



### PH175-0012

9 Tooth Drive



### PH185-0008

Com-End Kit



### PH185-0006

Com-End Kit



### PH130-0031 12 Volt, 8 Tooth

UT Aftermarket Replacement - CCW

Replacement Starter for Mercury  
Fits 175-240HP Sport Jet & Others

**Replaces:**  
MERCURY

50-832997  
50-832997-1  
50-832997-2



### PH130-0033 12 Volt, 9 Tooth

UT Aftermarket Replacement - CCW

Replacement Starter for Mercury  
Fits 40, 50 & 60HP  
4 Cylinder  
4-Stroke Engines

**Replaces:**

MERCURY  
50-859377T  
50-884044T  
50-888161T  
50-893888T



### PH175-0007

8 Tooth Drive



### PH185-0004

Com-End Kit



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**PH130-0034 12 Volt, 9 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for Mercury / Mariner  
Fits 8, 9.9, 13.5, 15HP 4-Stroke Engines

**Replaces:**

- MERC/MARINER
- 50-852570
- 50-852570T
- 50-857065
- 50-859168
- 50-859168T
- 859168
- 859168T



**PH130-0036 12 Volt, 10 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for OMC  
Fits 94-On 9.9-15HP  
Engines

**Replaces:**

- OMC
- 584613
- 586274



**PH175-0011**

*9 Tooth Drive*



**PH185-0008**

*Com-End Kit*



**PH175-0016**

*10 Tooth Drive*



**PH185-0007**

*Com-End Kit*



**PH130-0035 12 Volt, 9 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for OMC  
Fits 09-13 15-30HP & 04-10  
40-90HP E-Tech  
Models

**Replaces:**

- OMC
- 586768
- 587045



**PH130-0037 12 Volt, 10 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for Mercury / Mariner  
Fits 115, 150 & 175HP Engines

**Replaces:**

- MERCURY
- 50-64975



**PH175-0011**

*9 Tooth Drive*



**PH185-0001**

*Com-End Kit*



**PH175-0022**

*10 Tooth Drive*



## BUYER'S GUIDE - OUTBOARD STARTERS & COMPONENTS

### PH130-0038 12 Volt, 11 Tooth

UT Aftermarket Replacement - CCW

Replacement Starter for OMC with 2-Piece Rubber Drive - Fits 20-40HP 2 Cylinder Engines

See PH130-0001 for Early Style Starter with 1-piece drive

**Replaces:**

OMC

277432, 278232, 378674  
379091, 379818, 380139  
380238, 380239, 381864, 385401, 386591  
386597, 392133, 585061, 586278, 3292133



### PH175-0019

11 Tooth Drive



### PH130-0039 12 Volt, 8 Tooth

UT Aftermarket Replacement - CCW

Replacement Starter for OMC  
Fits 150-235HP V6 Cross

**Replaces:**

OMC

387094  
395207  
585062  
586288  
777693  
778992



### PH175-0007

8 Tooth Drive



### PH185-0002

Com-End Kit



### PH130-0040 12 Volt, 9 Tooth

UT Aftermarket Replacement - CCW

Replacement Starter for Mercury  
Fits 35-50HP Engines

**Replaces:**

MERCURY

50-30829  
50-32403  
50-37345  
50-38890  
50-38890A1  
50-55601A2  
50-55801A



### PH175-0002

9 Tooth Drive



### PH185-0001

Com-End Kit



### PH130-0041 12 Volt, 10 Tooth

UT Aftermarket Replacement - CCW

Replacement Starter for Mercury / Mariner  
Fits 50-90HP 3 & 4 Cylinder Engines

**Replaces:**

MERC/MARINER

50-57485  
50-60315  
50-65436  
50-66015  
50-66015-2  
50-88119



### PH175-0021

10 Tooth Drive



### PH185-0004

Com-End Kit



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**PH130-0042 12 Volt, 10 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for Mercury  
Fits 65-175HP V115, V140 Engines

**Replaces:**  
MERCURY  
50-57645  
50-57465A1  
50-57867  
50-58330  
50-72467



**PH130-0044 12 Volt, 10 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for OMC with 2-Piece  
Rubber Drive - Fits 80-140HP V4 Cross

See PH130-0003  
for Early Style  
Starter with  
1-piece drive

**Replaces:**  
OMC  
385529, 386465, 389380,  
389954, 391554, 585051,  
585057, 585196, 586282, 586283



**PH175-0021**

*10 Tooth Drive*



**PH185-0004**

*Com-End Kit*



**PH175-0018**

*10 Tooth Drive*



**PH185-0001**

*Com-End Kit*



**PH130-0043 12 Volt, 9 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for OMC with 2-Piece  
Rubber Drive - 60-75HP 3 Cylinder Engines

See PH130-0002  
for Early Style  
Starter with  
1-piece drive

**Replaces:**  
OMC  
383691, 386657,  
391735, 585050,  
585058, 585197, 586281



**PH130-0045 12 Volt, 9 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for OMC with 2-Piece  
Rubber Drive - Fits 40-60HP 2 Cylinder  
Engines

See PH130-0004  
for Early Style  
Starter with  
1-piece drive

**Replaces:**  
OMC  
384163, 387684,  
389275, 585063, 586280



**PH175-0017**

*9 Tooth Drive*



**PH185-0001**

*Com-End Kit*



**PH175-0017**

*9 Tooth Drive*



**PH185-0001**

*Com-End Kit*





**PH130-0046 12 Volt, 8 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for Mercury  
Fits 135-275HP Engines

**Replaces:**

- MERCURY
- 50-44414
- 50-44415
- 50-77141
- 50-79472
- 50-79472-1
- 50-79472T2
- 50-884238T



**PH175-0007**

*8 Tooth Drive*



**PH185-0004**

*Com-End Kit*



**PH130-0047 12 Volt, 9 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for Mercury / Force  
Fits Various 70-150HP Engines

**Replaces:**

- MERC/FORCE
- 48-0955
- 48-9955
- 49-0955
- 61-6955
- 50-583869
- 50-616955-1
- 50-819085, -1, -T1
- 819085, 819085-1, 819085T1



**PH175-0013**

*9 Tooth Drive*



**PH185-0003**

*Com-End Kit*



**PH130-0048 12 Volt, 9 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Nissan / Tohatsu  
Fits 60-140HP 2-Stroke Engines

**Replaces:**

- HITACHI
- S114-415,-A
- S114-667,-N
- TOHATSU
- FM5900
- 353-76010-1A0
- 353-76010-04, 353-76010-300
- 353-76010-4, 353-76010-4M



**PH130-0049 12 Volt, 11 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Yamaha 25-40HP  
2-Stroke & Mariner 20-40HP 2-Stroke

**Replaces:**

- HITACHI
- S108-80,-A,-B
- MERCURY
- 50-96359M
- 50-97693M
- 50-814980M
- YAMAHA
- 689-81800-11-00,
- 689-81800-12-00, 689-81800-13-00



**PH130-0050 12 Volt, 9 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Yamaha  
Fits 60-70HP 2-Stroke  
Engines

**Replaces:**

- HITACHI
- S108-97
- S108-97A
- YAMAHA
- 6H3-81800-10-00
- 6H3-81800-11-00



**PH130-0051 12 Volt, 9 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Yamaha  
Fits 115-250HP 2-Stroke Engines

**Replaces:**

- HITACHI
- S114-552, -A,
- S114-660, -B
- YAMAHA
- 6K7-81800-10-00
- 6N7-81800-00-00
- 6N7-81800-01-00
- 6N7-81800-10-00



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**PH130-0052 12 Volt, 8 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Suzuki  
Fits 90-225HP 2-Stroke Engines

**Replaces:**

- HITACHI
- S114-551
- S114-551A
- S114-674
- SUZUKI
- 31100-87D00
- 31100-87D10
- 31100-92E00



**PH130-0053 12 Volt, 9 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Suzuki  
115-140HP 2-Stroke Engines

**Replaces:**

- HITACHI
- S114-437
- S114-673
- SUZUKI
- 31100-94600
- 31100-94601
- 31100-94610



**PH130-0054 12 Volt, 9 Tooth**

*Hitachi Aftermarket Replacement - CW*

Replacement Starter for Honda  
Fits 35-50HP, 4-Stroke Engines

**Replaces:**

- HITACHI
- S114-561
- S114-677
- S114-677A
- HONDA
- 31200-ZV5-003
- 31200-ZV5-013,
- 31200-ZV5-0130, 31200-ZV5A-0130



**PH130-0055 12 Volt, 13 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Yamaha 75-100HP  
4-Stroke Engines - Also Fits Mercury/Mariner  
75-90HP 4-Stroke Engines

**Replaces:**

- HITACHI
- S114-828B
- MERC/MARINER
- 50-804312T
- 804312T1
- YAMAHA
- 67F-81800-00-00
- 67F-81800-01-00
- 67F-81800-02-00



**PH130-0056 12 Volt, 13 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Yamaha  
Fits 150-200HP Engines

**Replaces:**

- HITACHI
- S114-836A
- YAMAHA
- 68F-81800-00-00
- 68F-81800-01-00
- 68F-81800-02-00



**PH130-0057 12 Volt, 13 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for  
Mercury & Yamaha - Fits  
75-115HP 4-Stroke Engines

**Replaces:**

- HITACHI
- S114-838A
- MERCURY
- 50-881368T, -T1, -T2
- 881368T1, 881368T2
- YAMAHA
- 68V-81800-00-00
- 68V-81800-01-00
- 68V-81800-02-00



**PH130-0058 12 Volt, 9 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Yamaha  
Fits 84-01 75-90HP Engines

**Replaces:**

- HITACHI
- S114-263B
- YAMAHA
- 688-81800-10-00
- 688-81800-11-00
- 688-81800-12-00



**PH130-0059 12 Volt, 9 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Yamaha  
Fits 225-250HP  
& V200 90-On

**Replaces:**

- HITACHI
- S114-559B
- YAMAHA
- 61A-81800-00-00
- 61A-81800-01-00
- 61H-81800-01-00
- 69L-81800-00-00



**PH130-0060 12 Volt, 9 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Suzuki  
Fits 75-85HP 2-Stroke Engines

**Replaces:**

- HITACHI
- S114-407
- S114-555
- SUZUKI
- 31100-95310
- 31100-95312
- 31100-95313
- 31100-95600
- 31100-95601



**PH130-0061 12 Volt, 10 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Yamaha  
Fits 9.9-25HP Engines

**Replaces:**

- HITACHI
- S106-07B
- S106-07E
- S106-07F
- YAMAHA
- 682-81800-11-00
- 682-81800-12-00
- 6L2-81800-11-00
- 6L2-81800-20-00



**PH130-0062 12 Volt, 11 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Yamaha  
Fits 30-50HP Engines

**Replaces:**

- HITACHI
- S108-87A
- YAMAHA
- 6F5-81800-10-00
- 6F5-81800-11-00
- 6J4-81800-00-00
- 6J4-81800-01-00



**PH130-0063 12 Volt, 9 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Yamaha  
Fits 40-50HP Engines

**Replaces:**

- HITACHI
- S108-99B
- YAMAHA
- 6H4-81800-10-00
- 6H4-81800-11-00
- 6H4-81800-12-00



**PH130-0064 12 Volt, 13 Tooth**

*Mitsubishi Aftermarket Replacement - CW*

Replacement 1.2KW Starter  
for Honda  
Fits 97-On  
75-90HP Engines

**Replaces:**

- MITSUBISHI
- M0T65081
- HONDA
- 31200-ZW1-004
- 31200-ZW1A-0040



**PH130-0065 12 Volt, 13 Tooth**

*Mitsubishi Aftermarket Replacement - CW*

Replacement 1.4KW Starter for Honda  
Fits 97-On 115-130HP Engines

**Replaces:**

- MITSUBISHI
- M0T60381
- HONDA
- 31200-ZW5-003
- 31200-ZW5-0030
- 31200-ZW5A-0032



**PH130-0066 12 Volt, 14 Tooth**

*Delco Aftermarket Replacement - CCW*

Replacement Starter for Mercury / Mariner  
Fits 115-300HP Engines

**Replaces:**

- DELCO
- 9000855
- 9000974
- MERCURY
- 50-853329T
- 50-892339T
- 50-893892T
- 853329T
- 892339T
- 892339T01
- 893892T





**PH130-0067 12 Volt, 9 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for Mercury / Mariner  
Fits 150-225HP Engines

**Replaces:**

- MERCURY
- 50-856996T
- 50-86976
- 50-898265013



**PH130-0069 12 Volt, 10 Tooth**

*Prestolite Aftermarket Replacement - CCW*

Replacement Starter for Chrysler & Force  
Fits 20-35HP Engines

**Replaces:**

- CHRYSLER
- 51-4955
- FORCE
- 50-514955
- MERCURY
- 50-514955
- 50-514955-1
- 50-803900T



**PH175-0012**

*9 Tooth Drive*



**PH185-0004**

*Com-End Kit*



**PH175-0020**

*10 Tooth Drive*



**PH185-0005**

*Com-End Kit*



**PH130-0068 12 Volt, 11 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for Chrysler & Mercury  
Fits 35-55HP Engines

**Replaces:**

- CHRYSLER
- 20-1955
- 20-1955-9955
- 57-5955
- MERCURY
- 50-575955
- 50-803903T



**PH130-0070 12 Volt, 9 Tooth**

*Mitsubishi Aftermarket Replacement - CW*

Replacement Starter for Honda  
Fits 200-225HP Outboard  
Engines 02-14

**Replaces:**

- MITSUBISHI
- MIT68581
- HONDA
- 31200-ZY3-003
- 31200-ZY3A-0034



**PH175-0001**

*11 Tooth Drive*



**PH185-0005**

*Com-End Kit*



**PH130-0071 12 Volt, 9 Tooth**

*Hitachi Aftermarket Replacement - CW*

Replacement Starter for OMC 90, 115,  
140HP Engines 03-06 &  
Suzuki 90-115HP  
Engines from 01-14

**Replaces:**

- HITACHI
- S114-837
- S114-837A
- OMC
- 5033799
- SUZUKI
- 31100-90J00
- 31100-90J01





## BUYER'S GUIDE - OUTBOARD STARTERS & COMPONENTS

### PH130-0072 12 Volt, 10 Tooth

UT Aftermarket Replacement - CCW

Replacement Starter for Mercury  
Fits 35-40HP Outboard Engines

**Replaces:**  
MERCURY  
50-41583



### PH175-0021

10 Tooth Drive



### PH185-0001

Com-End Kit



### PH130-0073 12 Volt, 13 Tooth

Hitachi Aftermarket Replacement - CCW

Replacement Starter for Yamaha  
Fits 150-250HP Outboards  
04-On

**Replaces:**  
HITACHI  
S114-867  
S114-867A  
S114-867B  
YAMAHA  
63P-81800-00-00  
6BR-81800-01-00  
6BR-81800-01-00



### PH130-0074 12 Volt, 13 Tooth

Hitachi Aftermarket Replacement - CCW

Replacement Starter for Mercury & Yamaha  
Fits Mercury 03-06 200-225HP  
Engines & Yamaha 02-11  
200-225HP Engines

**Replaces:**  
HITACHI  
S114-860  
S114-860N  
MERCURY  
50-888333T  
YAMAHA  
69J-81800-00-00



### PH130-0075 12 Volt, 9 Tooth

Hitachi Aftermarket Replacement - CCW

Replacement Starter for Suzuki  
Fits 55-65HP  
Outboard Engines  
from 85-97

**Replaces:**  
HITACHI  
S114-436  
SUZUKI  
31100-94702



### PH130-0076 12 Volt, 13 Tooth

Hitachi Aftermarket Replacement - CCW

Replacement Starter for Yamaha  
Fits 225-250HP  
Outboards  
from 03-08

**Replaces:**  
HITACHI  
S114-863A  
YAMAHA  
60V-81800-00-00  
60X-81800-00-00



### PH130-0077 12 Volt, 9 Tooth

Hitachi Aftermarket Replacement - CCW

Replacement Starter for OMC / Suzuki  
Fits J/E 25HP Engines  
from 06-07 & 25HP Suzuki  
Engines from 06-14

**Replaces:**  
HITACHI  
S114-924A  
SUZUKI  
31100-95J00  
31100-95J01



### PH130-0078 12 Volt, 9 Tooth

Hitachi Aftermarket Replacement - CW

Replacement Starter for Suzuki  
Fits 09-14 70-90HP Engines,  
06-14 150-300HP Engines

**Replaces:**  
HITACHI  
S114-868B  
SUZUKI  
31100-93J00  
31100-96J00  
31100-96J01



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**PH130-0079 12 Volt, 8 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for OMC / Suzuki  
Fits 70HP OMC Engines & 40-70HP  
Suzuki Engines

**Replaces:**

- HITACHI
- S114-671A
- OMC
- 5030780
- SUZUKI
- 31100-87J00



**PH130-0082 12 Volt, 9 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Yamaha  
Fits 03-04 50-60HP  
Outboard Engines

**Replaces:**

- HITACHI
- S114-682
- YAMAHA
- 69W-81800-00-00



**PH130-0080 12 Volt, 9 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Nissan / Tohatsu  
Fits 25-30HP 2-Stroke Outboard Engines

**Replaces:**

- HITACHI
- S108-98
- S108-98A
- TOHATSU
- 346-76010-0
- 346-76010-0A0
- 346-76010-0M



**PH130-0083 12 Volt, 8 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Suzuki  
Fits 25-30HP Suzuki Engines

**Replaces:**

- HITACHI
- S108-122
- S108-122A
- OMC
- 5032026
- SUZUKI
- 31100-89J00
- 31100-89J01



**PH130-0084 12 Volt, 9 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for Yamaha  
Fits 9.9-15HP Engines

**Replaces:**

- YAMAHA
- 66M-81800-00-00
- 66M-81800-01-00
- 66M-81800-02-00



**PH130-0081 12 Volt, 9 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for Mercury / Mariner  
Fits 50HP 4-Stroke Outboard Engines

**Replaces:**

- MERCURY
- 50-834749
- 50-859171T



**PH175-0013**

*9 Tooth Drive*



**PH130-0085 12 Volt, 10 Tooth**

*Hitachi Aftermarket Replacement - CCW*

Replacement Starter for Mercury 05-14  
8-9.9HP 4-Stroke Engines, OMC &  
Nissan / Tohatsu 92-13 8-18HP Engines

**Replaces:**

HITACHI

S106-12

S106-12A

S106-12B

MERCURY

50-803835T02

803835T02

OMC

5040343

TOHATSU

350-76010-0, 350-76010-0M, 3AA-76010-0,

3AA-76010-0M, B29A90500, B29A90500A



**PH130-0087 12 Volt, 11 Tooth**

*Aftermarket Replacement - CCW*

Replacement Starter for Honda  
Fits 01-14 8-9.9HP Engines

**Replaces:**

HONDA

31200-ZW9-801

31200-ZW9-802



**PH130-0086 12 Volt, 10 Tooth**

*UT Aftermarket Replacement - CCW*

Replacement Starter for OMC  
Fits Various 85-100HP Engines

**Replaces:**

OMC

383575

384914



**PH130-0088 12 Volt, 9 Tooth**

*Mitsubishi Aftermarket Replacement - CW*

Replacement Starter for Honda  
Fits 07-14 75HP & 90HP Engines

**Replaces:**

MITSUBISHI

M0T65481

HONDA

31200-ZY9-003

31200-ZY9A-0031



**PH175-0020**

*10 Tooth Drive*



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**PLEASE NOTE**

The following pages contain application information for all PROTORQUE Personal Watercraft starters. Within this section we provide suggestions based on application and original equipment manufacturer's part number to get you the starter that we feel most closely represents the original equipment part on your engine.

While using our application guide to find the correct PROTORQUE starter for your boat's engine, you may notice that some of the parts that we suggest have a symbol "●" after the PROTORQUE part number as shown circled below. This symbol simply means that PROTORQUE has other items in stock that will also work for this application.

Rotax Engine, 2 Stroke	Displacement	Year	Denso System (Aftermarket Version)	Part No.	Part No.	Part No.	Part No.
657 Rotax Engine, 2 Stroke	650cc	95-96	Denso System (Aftermarket Version)	ND	12	278-000-484	PH100-SD02 ●
657 Rotax Engine, 2 Stroke	650cc	93-94	Denso System (Aftermarket Version)	ND	12	278-000-316	PH100-SD01 ●
717 Rotax Engine, 2 Stroke	718cc	95-05	Denso System (Aftermarket Version)	ND	12	278-000-484	PH100-SD02 ●
787 RFI Rotax Engine, 2 Stroke	782cc	98	Denso System (Aftermarket Version)	ND	12	278-000-577	PH100-SD04 ●
787 RFI Rotax Engine, 2 Stroke	782cc	99-05	Denso System (Aftermarket Version)	ND	12	278-001-497	PH100-SD03 ●
787 Rotax Engine, 2 Stroke	782cc	95-99	Denso System (Aftermarket Version)	ND	12	278-000-577	PH100-SD04 ●

**WHAT TO DO IF YOUR PART HAS THIS SYMBOL**

If the PROTORQUE part for your boat's application has this symbol "●", please turn to the very last page in our Personal Watercraft starter application section. Once there, you will find our unit interchange, which provides all of our optional units for your part.

This is the most effective way for PROTORQUE customers to find higher output, heavy duty, opposite rotation, original equipment, or economical versions of the starters meant for their specific application.

**WHAT TO DO IF YOU CANNOT FIND A PART FOR YOUR APPLICATION**

We at PROTORQUE do our best to list all of the applications that we have available in our database, but due to the sheer volume of marine engines and the amount of years that we must cover, there may be instances where you cannot find your exact application.

If this occurs, please contact us directly at 609-654-6020 or toll free at 844-786-7783 and one of our customer service representatives will be happy to assist you in finding the part that you need.





# APPLICATIONS - PERSONAL WATERCRAFT STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>ARCTIC CAT</b>								
<b>PERSONAL WATERCRAFT (PWC)</b>								
Barracuda	639cc	94-95	Hitachi System	HI	12	3008-093	PH100-TS01	•
Daytona	639cc	93-94	Hitachi System	HI	12	3008-093	PH100-TS01	•
Daytona	639cc	95	Hitachi System	HI	12	3008-327	PH100-TS01	•
Daytona 770	768cc	96-97	Hitachi System	HI	12	3008-462	PH100-TS01	•
Daytona 1000	999cc	97	Hitachi System	HI	12	3008-536	PH100-TS01	•
Monte Carlo 640	639cc	94-95	Hitachi System	HI	12	3008-093	PH100-TS01	•
Monte Carlo 640	639cc	96-97	Hitachi System	HI	12	3008-327	PH100-TS01	•
Monte Carlo 770	768cc	96-97	Hitachi System	HI	12	3008-462	PH100-TS01	•
Monte Carlo 900	900cc	96	Hitachi System	HI	12	3008-327	PH100-TS01	•
Monte Carlo 1000	999cc	97	Hitachi System	HI	12	3008-536	PH100-TS01	•
Montego 640	639cc	94-97	Hitachi System	HI	12	3008-327	PH100-TS01	•
Montego Deluxe 640	639cc	94-97	Hitachi System	HI	12	3008-327	PH100-TS01	•
Tigershark 640	639cc	93	Hitachi System	HI	12	3008-093	PH100-TS01	•
Tigershark 900	900cc	95	Hitachi System	HI	12	3008-093	PH100-TS01	•
TS640	639cc	98-99	Hitachi System	HI	12	3008-536	PH100-TS01	•
TS770	768cc	98-99	Hitachi System	HI	12	3008-462	PH100-TS01	•
TS770L	768cc	98-99	Hitachi System	HI	12	3008-462	PH100-TS01	•
TS770R	768cc	98-99	Hitachi System	HI	12	3008-462	PH100-TS01	•
TS900L	900cc	99	Hitachi System	HI	12	3008-327	PH100-TS01	•
TS1000L	999cc	98	Hitachi System	HI	12	3008-536	PH100-TS01	•
TS1000R	999cc	98	Hitachi System	HI	12	3008-536	PH100-TS01	•
TS1100Li	1100cc	99	Hitachi System	HI	12	3008-536	PH100-TS01	•
TS1100R	1100cc	99	Hitachi System	HI	12	3008-536	PH100-TS01	•

## HONDA

<b>PERSONAL WATERCRAFT (PWC)</b>								
AQUATRAX F-12	1235cc	02-07	Mitsuba System	MS	12	31200-HW1-671	PH100-HN01	•
AQUATRAX F-12X	1235cc	02-07	Mitsuba System	MS	12	31200-HW1-671	PH100-HN01	•
AQUATRAX F-12X GPSCAPE	1235cc	05-07	Mitsuba System	MS	12	31200-HW1-671	PH100-HN01	•
AQUATRAX R-12	1235cc	04-06	Mitsuba System	MS	12	31200-HW1-671	PH100-HN01	•
AQUATRAX R-12X	1235cc	03-07	Mitsuba System	MS	12	31200-HW1-671	PH100-HN01	•

## KAWASAKI

<b>PERSONAL WATERCRAFT (PWC)</b>								
JB650 Jet Mate	650cc	89-92	A1-A4	MS	12	21163-3714	PH100-KW01	•
JF650 TS	650cc	89-90	B1-B2	MS	12	21163-3702	PH100-KW01	•
JF650 TS	650cc	91-96	B3-B8	MS	12	21163-3709	PH100-KW01	•
JF650 X2	650cc	86-87	A1-A2	MS	12	21163-3712	PH100-KW01	•
JF650 X2	650cc	88-90	A3-A5	MS	12	21163-3702	PH100-KW01	•
JF650 X2	650cc	91-94	A6-A9	MS	12	21163-3712	PH100-KW01	•
JF650 X2	650cc	95	A10	MS	12	21163-3714	PH100-KW01	•
JH750 750 SS	743cc	92-95	A1-A4	MS	12	21163-3709	PH100-KW01	•
JH750 750 SS	743cc	96-97	E1-E2	MS	12	21163-3709	PH100-KW01	•
JH750 750 Zxi	743cc	95-97	C1-C3	MS	12	21163-3709	PH100-KW01	•
JH750 Super Sport Xi	743cc	93-95	B1-B3	MS	12	21163-3709	PH100-KW01	•
JH750 Super Sport Xi	743cc	96-97	F1-F2	MS	12	21163-3709	PH100-KW01	•
JH750 Xi Sport	743cc	98-99	G1-G2	MS	12	21163-3709	PH100-KW01	•
JH750 XiR	743cc	94	D1	MS	12	21163-3709	PH100-KW01	•
JH900 900 Zxi	891cc	95-97	A1-A3	MS	12	21163-3709	PH100-KW01	•
JH1100 1100 Zxi	1071cc	96-00	A1-A5	MS	12	21163-3709	PH100-KW01	•
JH1100 1100 Zxi	1071cc	01-03	A6-A8	MS	12	21163-3714	PH100-KW01	•
JH1100 Ultra 130	1071cc	01-04	B1-B4	MS	12	21163-3714	PH100-KW01	•
JH1200 Ultra 150	1176cc	99-00	A1-A2	ND	12	21163-3715	PH100-KW03	•
JH1200 Ultra 150	1176cc	01-02	A3-A4	ND	12	21163-3719	PH100-KW03	•
JH1200 Ultra 150	1176cc	03-05	B1-B3	ND	12	21163-3719	PH100-KW03	•
JL650 SC	650cc	91-95	A1-A5	MS	12	21163-3709	PH100-KW01	•
JS400	400cc	76	A3	HI	12	21163-3710	PH100-KW02	•
JS440	440cc	77-92	A1-A16	HI	12	21163-3710	PH100-KW02	•
JS550	550cc	82-89	A1-A8	HI	12	21163-3710	PH100-KW02	•
JS550 550 SX	550cc	90	B1	HI	12	21163-3003-YR	PH100-KW02	•
JS550 550 SX	550cc	91-95	C1-C5	HI	12	21163-3710	PH100-KW02	•
JS650 650 SX	650cc	87	A1	MS	12	21163-3712	PH100-KW01	•
JS650 650 SX	650cc	88-90	A2-A4	MS	12	21163-3702	PH100-KW01	•
JS650 650 SX	650cc	91-93	B1-B3	MS	12	21163-3709	PH100-KW01	•
JS750 750 SX	743cc	92-95	A1-A4	MS	12	21163-3709	PH100-KW01	•
JS750 750 Sxi	743cc	95-97	B1-B3	MS	12	21163-3709	PH100-KW01	•
JS750 750 SXi Pro	743cc	98-02	C1-C5	MS	12	21163-3709	PH100-KW01	•
JS800 SX-R	781cc	03-11	A1-ACF	MS	12	21163-3714	PH100-KW01	•
JT750 750 STX	743cc	98	C1	MS	12	21163-3709	PH100-KW01	•
JT750 ST	743cc	94-95	A1-A2	MS	12	21163-3709	PH100-KW01	•
JT750 STS	743cc	95-97	B1-B3	MS	12	21163-3709	PH100-KW01	•
JT900 900 STS	891cc	01-02	B3-B4	MS	12	21163-3709	PH100-KW01	•
JT900 900 STX	891cc	97-98	A1-A2	MS	12	21163-3709	PH100-KW01	•
JT900 900 STX	891cc	99-00	B1-B3	MS	12	21163-3709	PH100-KW01	•
JT900 900 STX	891cc	01-02	C1-C2	MS	12	21163-3709	PH100-KW01	•
JT900 900 STX	891cc	03	D1	MS	12	21163-3714	PH100-KW01	•
JT900 900 STX	891cc	04-06	E1-E6F	MS	12	21163-3714	PH100-KW01	•

PROTORQUE - Personal Watercraft Starters & Components



TOLL FREE: 844-786-7783

LOCAL: 609-654-6020

FAX: 609-654-5710

WEB: [www.protorqueparts.com](http://www.protorqueparts.com)

## APPLICATIONS - PERSONAL WATERCRAFT STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	•
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### KAWASAKI - continued

PERSONAL WATERCRAFT (PWC) - continued								
JT1100 1100 STX	1071cc	97	A1	MS	12	21163-3709	PH100-KW01	•
JT1100 1100 STX	1071cc	98-99	B1-B2	MS	12	21163-3709	PH100-KW01	•
JT1100 1100 STX DI	1071cc	00	C1	MS	12	21163-3709	PH100-KW01	•
JT1100 1100 STX DI	1071cc	01-02	F1-F2	MS	12	21163-3709	PH100-KW01	•
JT1100 1100 STX DI	1071cc	03	G1	MS	12	21163-3714	PH100-KW01	•
JT1200 STX-12F	1199cc	03-04	B1-B2	MS	12	21163-3721	PH100-KW04	•
JT1200 STX-12F	1199cc	05-07	D1-D7	MS	12	21163-3721	PH100-KW04	•
JT1200 STX-R	1176cc	02-03	A1-A2	ND	12	21163-3719	PH100-KW03	•
JT1200 STX-R	1176cc	04-05	C1-C2	ND	12	21163-3719	PH100-KW03	•
JT1500 STX	1498cc	09-10	D9F-DAF	MS	12	21163-3721	PH100-KW04	•
JT1500 STX-15F	1498cc	04-15	A1-ADF	MS	12	21163-3721	PH100-KW04	•
JT1500 Ultra 250X	1498cc	07-09	B7-B9	MS	12	21163-3721	PH100-KW04	•
JT1500 Ultra 260LX	1498cc	09-10	F9F-FAF	MS	12	21163-3721	PH100-KW04	•
JT1500 Ultra 260X	1498cc	09-10	E9F-EAF	MS	12	21163-3721	PH100-KW04	•
JT1500 Ultra 300LX	1498cc	11-13	JBF-JDF	MS	12	21163-3721	PH100-KW04	•
JT1500 Ultra 300X	1498cc	11-13	HBF-HDF	MS	12	21163-3721	PH100-KW04	•
JT1500 Ultra 310R	1498cc	14-15	NEF-NFF	MS	12	21163-3721	PH100-KW04	•
JT1500 Ultra 310X	1498cc	14-15	LEF-LFF	MS	12	21163-3721	PH100-KW04	•
JT1500 Ultra 310X SE	1498cc	15	PFF	MS	12	21163-3721	PH100-KW04	•
JT1500 Ultra LX	1498cc	07-15	C7-C9	MS	12	21163-3721	PH100-KW04	•

### POLARIS

PERSONAL WATERCRAFT (PWC)								
Freedom	701cc	02-04	Mitsuba System	MS	12	4010675	PH100-PL01	•
Freedom	701cc	02-04	Extended Battery Stud	MS	12	4010675	PH100-PL02	•
Genesis	1165cc	99-02	Mitsuba System	MS	12	4060118	PH100-PL01	•
Genesis	1165cc	99-02	Extended Battery Stud	MS	12	4060118	PH100-PL02	•
Genesis FFI	1165cc	00	Mitsuba System	MS	12	4060118	PH100-PL01	•
Genesis FFI	1165cc	00	Extended Battery Stud	MS	12	4060118	PH100-PL02	•
Genesis FICHT	1165cc	99	Mitsuba System	MS	12	4060118	PH100-PL01	•
Genesis FICHT	1165cc	99	Extended Battery Stud	MS	12	4060118	PH100-PL02	•
Genesis I	1165cc	01	Mitsuba System	MS	12	4060118	PH100-PL01	•
Genesis I	1165cc	01	Extended Battery Stud	MS	12	4060118	PH100-PL02	•
Genesis I	1165cc	02-04	Mitsuba System	MS	12	4010675	PH100-PL01	•
Genesis I	1165cc	02-04	Extended Battery Stud	MS	12	4010675	PH100-PL02	•
Hurricane	701cc	96-97	Mitsuba System	MS	12	4060118	PH100-PL01	•
Hurricane	701cc	96-97	Extended Battery Stud	MS	12	4060118	PH100-PL02	•
MSX 140	1192cc	03-04	Mitsuba System	MS	12	4010675	PH100-PL01	•
MSX 140	1192cc	03-04	Extended Battery Stud	MS	12	4010675	PH100-PL02	•
Octane	777cc	02-04	Mitsuba System	MS	12	4010675	PH100-PL01	•
Octane	777cc	02-04	Extended Battery Stud	MS	12	4010675	PH100-PL02	•
Pro 785	779cc	99-00	Mitsuba System	MS	12	3240281	PH100-PL01	•
Pro 1200	1165cc	00-01	Mitsuba System	MS	12	4060118	PH100-PL01	•
Pro 1200	1165cc	00-01	Extended Battery Stud	MS	12	4060118	PH100-PL02	•
SL 650	650cc	92-95	Mitsuba System	MS	12	3240110	PH100-PL01	•
SL 650 STD	650cc	95	Mitsuba System	MS	12	3240110	PH100-PL01	•
SL 700	701cc	96-97	Mitsuba System	MS	12	4060118	PH100-PL01	•
SL 700	701cc	96-97	Extended Battery Stud	MS	12	4060118	PH100-PL02	•
SL 700 Deluxe	701cc	97	Mitsuba System	MS	12	4060118	PH100-PL01	•
SL 700 Deluxe	701cc	97	Extended Battery Stud	MS	12	4060118	PH100-PL02	•
SL 750	750cc	93-95	Mitsuba System	MS	12	3240110	PH100-PL01	•
SL 780	779cc	96-97	Mitsuba System	MS	12	3240281	PH100-PL01	•
SL 900	900cc	96-97	Mitsuba System	MS	12	4060118	PH100-PL01	•
SL 900	900cc	96-97	Extended Battery Stud	MS	12	4060118	PH100-PL02	•
SL 1050	1051cc	97	Mitsuba System	MS	12	4060118	PH100-PL01	•
SL 1050	1051cc	97	Extended Battery Stud	MS	12	4060118	PH100-PL02	•
SLH	701cc	98-01	Mitsuba System	MS	12	4060118	PH100-PL01	•
SLH	701cc	98-01	Extended Battery Stud	MS	12	4060118	PH100-PL02	•
SLT 700	701cc	96-97	Mitsuba System	MS	12	4060118	PH100-PL01	•
SLT 700	701cc	96-97	Extended Battery Stud	MS	12	4060118	PH100-PL02	•
SLT 750	750cc	94-95	Mitsuba System	MS	12	3240110	PH100-PL01	•
SLT 780	779cc	96-97	Mitsuba System	MS	12	3240281	PH100-PL01	•
SLTH	701cc	98-99	Mitsuba System	MS	12	4060118	PH100-PL01	•
SLTH	701cc	98-99	Extended Battery Stud	MS	12	4060118	PH100-PL02	•
SLTX	1051cc	96-99	Mitsuba System	MS	12	4060118	PH100-PL01	•
SLTX	1051cc	96-99	Extended Battery Stud	MS	12	4060118	PH100-PL02	•
SLX	1051cc	99	Mitsuba System	MS	12	4060118	PH100-PL01	•
SLX	1051cc	99	Extended Battery Stud	MS	12	4060118	PH100-PL02	•
SLX	1165cc	00-01	Mitsuba System	MS	12	4060118	PH100-PL01	•
SLX	1165cc	00-01	Extended Battery Stud	MS	12	4060118	PH100-PL02	•
SLX 780	779cc	95-96	Mitsuba System	MS	12	3240281	PH100-PL01	•
SLX Pro 785	779cc	97-98	Mitsuba System	MS	12	3240281	PH100-PL01	•
SLXH	1051cc	98	Mitsuba System	MS	12	4060118	PH100-PL01	•
SLXH	1051cc	98	Extended Battery Stud	MS	12	4060118	PH100-PL02	•
Virage	701cc	00-01	Mitsuba System	MS	12	4060118	PH100-PL01	•
Virage	701cc	00-01	Extended Battery Stud	MS	12	4060118	PH100-PL02	•
Virage	701cc	02-04	Mitsuba System	MS	12	4010675	PH100-PL01	•
Virage	701cc	02-04	Extended Battery Stud	MS	12	4010675	PH100-PL02	•



# APPLICATIONS - PERSONAL WATERCRAFT STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
<b>POLARIS - continued</b>							
<b>PERSONAL WATERCRAFT (PWC) - continued</b>							
Virage I	777cc	02-04	Mitsuba System	MS	12	4010675	PH100-PL01
Virage I	777cc	02-04	Extended Battery Stud	MS	12	4010675	PH100-PL02
Virage TX	1165cc	00-02	Mitsuba System	MS	12	4060118	PH100-PL01
Virage TX	1165cc	00-02	Extended Battery Stud	MS	12	4060118	PH100-PL02
Virage TXI	1165cc	01-02	Mitsuba System	MS	12	4060118	PH100-PL01
Virage TXI	1165cc	01-02	Extended Battery Stud	MS	12	4060118	PH100-PL02

## ROTAX MARINE - BRP

<b>PERSONAL WATERCRAFT (PWC)</b>							
587 Rotax Engine, 2 Stroke	581cc	95-96	Denso System (Aftermarket Version)	ND	12	278-000-484	PH100-SD02
587 Rotax Engine, 2 Stroke	581cc	89-94	Denso System (Aftermarket Version)	ND	12	278-000-316	PH100-SD01
657 Rotax Engine, 2 Stroke	650cc	95-96	Denso System (Aftermarket Version)	ND	12	278-000-484	PH100-SD02
657 Rotax Engine, 2 Stroke	650cc	93-94	Denso System (Aftermarket Version)	ND	12	278-000-316	PH100-SD01
717 Rotax Engine, 2 Stroke	718cc	95-05	Denso System (Aftermarket Version)	ND	12	278-000-484	PH100-SD02
787 RFI Rotax Engine, 2 Stroke	782cc	98	Denso System (Aftermarket Version)	ND	12	278-000-577	PH100-SD04
787 RFI Rotax Engine, 2 Stroke	782cc	99-05	Denso System (Aftermarket Version)	ND	12	278-001-497	PH100-SD03
787 Rotax Engine, 2 Stroke	782cc	95-99	Denso System (Aftermarket Version)	ND	12	278-000-577	PH100-SD04
947 Rotax Engine, 2 Stroke	951cc	98-07	Mitsuba System (Aftermarket Version)	MS	12	278-001-937	PH100-SD05
1503 Rotax Engine, 4 Stroke	1494cc	03-07	Mitsuba System	MS	12	420-888-994	PH100-SD06
1503 Rotax Engine, 4 Stroke	1494cc	02	Mitsuba System	MS	12	290-888-993	PH100-SD06

## SEA-DOO

<b>PERSONAL WATERCRAFT (PWC)</b>							
3D DI	782cc	05	Denso System	ND	12	278-001-936	PH100-SD03
3D DI	951cc	06-07	Mitsuba System	MS	12	278-001-937	PH100-SD05
3D DI	1494cc	07	Mitsuba System	MS	12	420-888-994	PH100-SD06
GS	718cc	97	Denso System	ND	12	278-000-485	PH100-SD02
GS	718cc	98-01	Denso System	ND	12	278-001-300	PH100-SD02
GSI	718cc	97	Denso System	ND	12	278-000-485	PH100-SD02
GSX	782cc	96	Denso System	ND	12	278-000-577	PH100-SD04
GSX	782cc	96	8-Tooth Replacement	ND	12	278-001-301	PH100-SD03
GSX	782cc	97	Denso System	ND	12	278-001-038	PH100-SD03
GSX LTD	951cc	98-99	Mitsuba System	MS	12	278-000-987	PH100-SD05
GSX RFI	782cc	99-01	Denso System	ND	12	278-001-497	PH100-SD03
GT	581cc	90	Denso System	ND	12	278-000-027-P30	PH100-SD01
GT	581cc	91	Denso System	ND	12	278-000-145	PH100-SD01
GTI	718cc	96	2 Passenger	ND	12	278-000-485	PH100-SD02
GTI	718cc	96-97	3-Passenger	ND	12	278-000-485	PH100-SD02
GTI	718cc	98-03	Denso System	ND	12	278-001-300	PH100-SD02
GTI	718cc	04-05	Denso System	ND	12	278-001-935	PH100-SD02
GTI	1494cc	06-08	Mitsuba System	MS	12	420-888-994	PH100-SD06
GTI	1494cc	09-12	Mitsuba System	MS	12	420-888-996	PH100-SD06
GTI	1494cc	12-15	Mitsuba System	MS	12	420-888-995	PH100-SD06
GTI 4-TEC	1494cc	07	Mitsuba System	MS	12	420-888-994	PH100-SD06
GTI LE	718cc	02-03	Denso System	ND	12	278-001-300	PH100-SD02
GTI LE	718cc	04	Denso System	ND	12	278-001-935	PH100-SD02
GTI LE RFI	782cc	03	Denso System	ND	12	278-001-497	PH100-SD03
GTI LE RFI	782cc	04-05	Denso System	ND	12	278-001-936	PH100-SD03
GTI LTD	1494cc	11-12	Mitsuba System	MS	12	420-888-996	PH100-SD06
GTI LTD	1494cc	12-15	Mitsuba System	MS	12	420-888-995	PH100-SD06
GTI RFI	782cc	04	Denso System	ND	12	278-001-936	PH100-SD03
GTI RFI STD	782cc	05	Denso System	ND	12	278-001-936	PH100-SD03
GTI SE	1494cc	06-08	Mitsuba System	MS	12	420-888-994	PH100-SD06
GTI SE	1494cc	09-12	Mitsuba System	MS	12	420-888-996	PH100-SD06
GTI SE	1494cc	12-14	Mitsuba System	MS	12	420-888-995	PH100-SD06
GTI STD	1494cc	06-08	Mitsuba System	MS	12	420-888-994	PH100-SD06
GTR	1494cc	12-15	Mitsuba System	MS	12	420-888-995	PH100-SD06
GTS	581cc	92	Denso System	ND	12	278-000-186	PH100-SD01
GTS	581cc	93-94	Denso System	ND	12	278-000-316	PH100-SD01
GTS	581cc	95	2-Passenger	ND	12	278-000-485	PH100-SD02
GTS	581cc	95-96	3-Passenger	ND	12	278-000-485	PH100-SD02
GTS	718cc	97	Denso System	ND	12	278-000-485	PH100-SD02
GTS	718cc	98-01	Denso System	ND	12	278-001-300	PH100-SD02
GTS	1494cc	11-12	Mitsuba System	MS	12	420-888-996	PH100-SD06
GTS	1494cc	12-15	Mitsuba System	MS	12	420-888-995	PH100-SD06
GTS Pro	1494cc	11	Mitsuba System	MS	12	420-888-996	PH100-SD06
GTX	581cc	92	Denso System	ND	12	278-000-186	PH100-SD01
GTX	650cc	93-94	Denso System	ND	12	278-000-316	PH100-SD01
GTX	650cc	95	2-Passenger	ND	12	278-000-485	PH100-SD02
GTX	650cc	95	3-Passenger	ND	12	278-000-485	PH100-SD02
GTX	782cc	96	Denso System	ND	12	278-000-577	PH100-SD04
GTX	782cc	96	8-Tooth Replacement	ND	12	278-001-301	PH100-SD03
GTX	782cc	97	Denso System	ND	12	278-001-038	PH100-SD03
GTX	951cc	00-02	Mitsuba System	MS	12	278-000-987	PH100-SD05
GTX	1494cc	08	Mitsuba System	MS	12	420-888-994	PH100-SD06
GTX	1494cc	09-12	Mitsuba System	MS	12	420-888-996	PH100-SD06
GTX	1494cc	12-15	Mitsuba System	MS	12	420-888-995	PH100-SD06

PROTORQUE - Personal Watercraft Starters & Components



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# APPLICATIONS - PERSONAL WATERCRAFT STARTERS & COMPONENTS

PROTORQUE - Personal Watercraft Starters & Components

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>SEA-DOO - continued</b>								
<b>PERSONAL WATERCRAFT (PWC) - continued</b>								
GTX 4-TEC	1494cc	02	Mitsuba System	MS	12	290-888-993	PH100-SD06	•
GTX 4-TEC	1494cc	03-07	Mitsuba System	MS	12	420-888-994	PH100-SD06	•
GTX DI	951cc	00-03	Mitsuba System	MS	12	278-000-987	PH100-SD05	•
GTX IS	1494cc	10-11	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
GTX LTD	951cc	98-99	Mitsuba System	MS	12	278-000-987	PH100-SD05	•
GTX LTD	1494cc	07-08	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
GTX LTD	1494cc	15	Mitsuba System	MS	12	420-888-995	PH100-SD06	•
GTX LTD IS	1494cc	09-12	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
GTX LTD IS	1494cc	09-12	Mitsuba System	MS	12	420-888-995	PH100-SD06	•
GTX RFI	782cc	98	Denso System	ND	12	278-001-301	PH100-SD03	•
GTX RFI	782cc	99-02	Denso System	ND	12	278-001-497	PH100-SD03	•
GTX S	1494cc	12-15	Mitsuba System	MS	12	420-888-995	PH100-SD06	•
GTX STD	1494cc	06-08	Mitsuba System	MS	12	420-888-994	PH100-SD06	•
GTX STD	1494cc	14	Mitsuba System	MS	12	420-888-995	PH100-SD06	•
GTX Wake	1494cc	05-08	Mitsuba System	MS	12	420-888-994	PH100-SD06	•
HX	718cc	95-97	Denso System	ND	12	278-000-485	PH100-SD02	•
LRV	951cc	00-01	Mitsuba System	MS	12	278-000-987	PH100-SD05	•
LRV DI	951cc	02-03	Mitsuba System	MS	12	278-000-987	PH100-SD05	•
RX	951cc	00-02	Mitsuba System	MS	12	278-000-987	PH100-SD05	•
RX DI	951cc	00-03	Mitsuba System	MS	12	278-000-987	PH100-SD05	•
RX X	951cc	01	Mitsuba System	MS	12	278-000-987	PH100-SD05	•
RXP	1494cc	04-08	Mitsuba System	MS	12	420-888-994	PH100-SD06	•
RXP	1494cc	09	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
RXP 4-TEC	1494cc	07	Mitsuba System	MS	12	420-888-994	PH100-SD06	•
RXP STD	1494cc	08	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
RXP X	1494cc	08-11	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
RXP X	1494cc	12-15	Mitsuba System	MS	12	420-888-995	PH100-SD06	•
RXT	1494cc	05-06	Mitsuba System	MS	12	420-888-994	PH100-SD06	•
RXT	1494cc	09-12	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
RXT	1494cc	12-15	Mitsuba System	MS	12	420-888-995	PH100-SD06	•
RXT 4-TEC	1494cc	07	Mitsuba System	MS	12	420-888-994	PH100-SD06	•
RXT IS	1494cc	09-11	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
RXT IS	1494cc	12	Mitsuba System	MS	12	420-888-995	PH100-SD06	•
RXT STD	1494cc	08	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
RXT X	1494cc	08-12	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
RXT X	1494cc	12-15	Mitsuba System	MS	12	420-888-995	PH100-SD06	•
RXT X aS	1494cc	11	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
RXT X aS	1494cc	12-15	Mitsuba System	MS	12	420-888-995	PH100-SD06	•
RXT XRS aS	1494cc	11	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
RXT XRS aS	1494cc	12-15	Mitsuba System	MS	12	420-888-995	PH100-SD06	•
SP	581cc	89-90	Denso System	ND	12	278-000-027-P30	PH100-SD01	•
SP	581cc	91	Denso System	ND	12	278-000-145	PH100-SD01	•
SP	581cc	92	Denso System	ND	12	278-000-186	PH100-SD01	•
SP	581cc	93-94	Denso System	ND	12	278-000-316	PH100-SD01	•
SP	581cc	95-96	Denso System	ND	12	278-000-485	PH100-SD02	•
SP	718cc	97	Denso System	ND	12	278-000-485	PH100-SD02	•
SPI	581cc	93-94	Denso System	ND	12	278-000-316	PH100-SD01	•
SPI	581cc	95-96	Denso System	ND	12	278-000-485	PH100-SD02	•
SPX	581cc	93	Denso System	ND	12	278-000-316	PH100-SD01	•
SPX	650cc	94	Denso System	ND	12	278-000-316	PH100-SD01	•
SPX	650cc	95	Denso System	ND	12	278-000-485	PH100-SD02	•
SPX	718cc	96	Denso System	ND	12	278-000-485	PH100-SD02	•
SPX	782cc	97	Denso System	ND	12	278-001-038	PH100-SD03	•
SPX	782cc	98-99	Denso System	ND	12	278-001-301	PH100-SD03	•
Wake	1494cc	09-12	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
Wake	1494cc	12-15	Mitsuba System	MS	12	420-888-995	PH100-SD06	•
Wake Pro	1494cc	09-11	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
Wake Pro	1494cc	12-15	Mitsuba System	MS	12	420-888-995	PH100-SD06	•
XP	581cc	91	Denso System	ND	12	278-000-145	PH100-SD01	•
XP	581cc	92	Denso System	ND	12	278-000-186	PH100-SD01	•
XP	650cc	93-94	Denso System	ND	12	278-000-316	PH100-SD01	•
XP	718cc	95	Denso System	ND	12	278-000-485	PH100-SD02	•
XP	782cc	95-96	Denso System	ND	12	278-000-577	PH100-SD04	•
XP	782cc	95-96	8-Tooth Replacement	ND	12	278-001-301	PH100-SD03	•
XP	782cc	97	Denso System	ND	12	278-001-038	PH100-SD03	•
XP	951cc	00-02	Mitsuba System	MS	12	278-000-987	PH100-SD05	•
XP DI	951cc	03-04	Mitsuba System	MS	12	278-001-937	PH100-SD05	•
XP LTD	951cc	98-99	Mitsuba System	MS	12	278-000-987	PH100-SD05	•
XPI	650cc	94	Denso System	ND	12	278-000-316	PH100-SD01	•
<b>JET BOAT</b>								
Challenger		96	Denso System	ND	12	278-000-577	PH100-SD04	•
Challenger		96	8-Tooth Replacement	ND	12	278-001-301	PH100-SD03	•
Challenger		97	Denso System	ND	12	278-001-038	PH100-SD03	•
Challenger		98	Denso System	ND	12	278-000-485	PH100-SD02	•
Challenger		00-01	Denso System	ND	12	278-001-300	PH100-SD02	•
Challenger		05-08	Mitsuba System	MS	12	420-888-994	PH100-SD06	•
Challenger		08-11	Mitsuba System	MS	12	420-888-996	PH100-SD06	•





# APPLICATIONS - PERSONAL WATERCRAFT STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #	
<b>SEA-DOO - continued</b>								
<b>JET BOAT - continued</b>								
Challenger		12	Mitsuba System	MS	12	420-888-995	PH100-SD06	•
Challenger 1800		97-98	Denso System	ND	12	278-001-038	PH100-SD03	•
Challenger 1800		99	Denso System	ND	12	278-001-301	PH100-SD03	•
Challenger S		12	Mitsuba System	MS	12	420-888-995	PH100-SD06	•
Challenger SE		07-08	Mitsuba System	MS	12	420-888-994	PH100-SD06	•
Challenger SE		08-11	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
Challenger SE		12	Mitsuba System	MS	12	420-888-995	PH100-SD06	•
Challenger SP		09-10	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
Challenger Wake		07-08	Mitsuba System	MS	12	420-888-994	PH100-SD06	•
Challenger Wake		08	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
Explorer		93-94	Denso System	ND	12	278-000-316	PH100-SD01	•
Explorer		95-97	Denso System	ND	12	278-000-485	PH100-SD02	•
Explorer		02	Denso System	ND	12	278-001-300	PH100-SD02	•
Islandia		06	Mitsuba System	MS	12	420-888-994	PH100-SD06	•
Islandia SE		07	Mitsuba System	MS	12	420-888-994	PH100-SD06	•
Islandia SE		08-09	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
SP		11	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
SP		12	Mitsuba System	MS	12	420-888-995	PH100-SD06	•
Speedster		94	Denso System	ND	12	278-000-316	PH100-SD01	•
Speedster		95-97	Denso System	ND	12	278-000-485	PH100-SD02	•
Speedster		98	Denso System	ND	12	278-001-038	PH100-SD03	•
Speedster		99	Denso System	ND	12	278-001-301	PH100-SD03	•
Speedster		04-08	Mitsuba System	MS	12	420-888-994	PH100-SD06	•
Speedster		08-11	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
Speedster		12	Mitsuba System	MS	12	420-888-995	PH100-SD06	•
Speedster SK		99	Denso System	ND	12	278-000-485	PH100-SD02	•
Speedster Wake		06-08	Mitsuba System	MS	12	420-888-994	PH100-SD06	•
Speedster Wake		08-09	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
Sportster		95-98	Denso System	ND	12	278-000-485	PH100-SD02	•
Sportster		00	Denso System	ND	12	278-001-300	PH100-SD02	•
Sportster 1800		98-99	Denso System	ND	12	278-000-485	PH100-SD02	•
Sportster 4-TEC		03-06	Mitsuba System	MS	12	420-888-994	PH100-SD06	•
Sportster LE		00-03	Denso System	ND	12	278-000-987	PH100-SD05	•
Sportster LE DI		04	Denso System	ND	12	278-000-987	PH100-SD05	•
Sportster LE DI		05-06	Denso System	ND	12	278-001-937	PH100-SD05	•
Sportster LT		02	Denso System	ND	12	278-001-300	PH100-SD02	•
Utopia		06-08	Mitsuba System	MS	12	420-888-994	PH100-SD06	•
Utopia		09	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
Utopia SE		07-08	Mitsuba System	MS	12	420-888-994	PH100-SD06	•
Utopia SE		08-09	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
Wake		09-11	Mitsuba System	MS	12	420-888-996	PH100-SD06	•
Wake		12	Mitsuba System	MS	12	420-888-995	PH100-SD06	•
Wake SE		10	Mitsuba System	MS	12	420-888-996	PH100-SD06	•

## YAMAHA

<b>PERSONAL WATERCRAFT (PWC)</b>								
FX700 FX1	701cc	94-95	Mitsuba System	MS	12	6M6-81800-10-00	PH100-YA01	•
FX1000 FX WaveRunner	998cc	02-08	Mitsuba System	MS	12	60E-81800-00-00	PH100-YA03	•
FX1100 FX WaveRunner	1100cc	04-08	Mitsuba System	MS	12	60E-81800-00-00	PH100-YA03	•
FX1800 FX WaveRunner	1812cc	08-15	Mitsuba System	MS	12	655-81800-00-00	PH100-YA07	•
GP760 WaveRunner GP	760cc	97-00	Mitsuba System	MS	12	64X-81800-00-00	PH100-YA04	•
GP800 WaveRunner GP	784cc	98-05	Mitsuba System	MS	12	63M-81800-00-00	PH100-YA02	•
GP1200 WaveRunner GP	1176cc	97-02	Mitsuba System	MS	12	63M-81800-00-00	PH100-YA02	•
GP1300 WaveRunner GP	1300cc	03-08	Mitsuba System	MS	12	63M-81800-00-00	PH100-YA02	•
GX1800 FZR WaveRunner	1812cc	09-15	Mitsuba System	MS	12	655-81800-00-00	PH100-YA07	•
GX1800 FZS WaveRunner	1812cc	09-15	Mitsuba System	MS	12	655-81800-00-00	PH100-YA07	•
RA700 Wave Raider	701cc	94-97	Mitsuba System	MS	12	6M6-81800-10-00	PH100-YA01	•
RA700 Wave Raider Deluxe	701cc	95	Mitsuba System	MS	12	6M6-81800-10-00	PH100-YA01	•
RA760 Wave Raider 760	760cc	96	Mitsuba System	MS	12	64X-81800-00-00	PH100-YA04	•
RA1100 Wave Raider 1100	1100cc	95-96	Mitsuba System	MS	12	63M-81800-00-00	PH100-YA02	•
SJ650 Super Jet	650cc	90-93	Mitsuba System	MS	12	6M6-81800-10-00	PH100-YA01	•
SJ700 Super Jet	701cc	94-15	Mitsuba System	MS	12	6M6-81800-10-00	PH100-YA01	•
SUV1200	1176cc	99-04	Mitsuba System	MS	12	63M-81800-00-00	PH100-YA02	•
VX1100 WaveRunner VX	1052cc	05-15	Mitsuba System	MS	12	6D3-81800-00-00	PH100-YA06	•
VX1800 WaveRunner VXR	1812cc	11-15	Mitsuba System	MS	12	655-81800-00-00	PH100-YA07	•
VX1800 WaveRunner VXS	1812cc	11-15	Mitsuba System	MS	12	655-81800-00-00	PH100-YA07	•
WB700 Wave Blaster	701cc	93-96	Mitsuba System	MS	12	6M6-81800-10-00	PH100-YA01	•
WB760 Wave Blaster	760cc	96-97	Mitsuba System	MS	12	64X-81800-00-00	PH100-YA04	•
WJ500 WaveJammer	500cc	87-90	Hitachi System	HI	12	6K8-81800-10-00	PH100-YA05	•
WR500 WaveRunner	500cc	87-93	Hitachi System	HI	12	6K8-81800-10-01	PH100-YA05	•
WR650 WaveRunner LX	650cc	90-93	Mitsuba System	MS	12	6M6-81800-10-00	PH100-YA01	•
WRA650 WaveRunner III 650	650cc	90-96	Mitsuba System	MS	12	6M6-81800-10-00	PH100-YA01	•
WRA700 WaveRunner III 700	701cc	97	Mitsuba System	MS	12	6M6-81800-10-00	PH100-YA01	•
WRA700 WaveRunner III GP	701cc	94-95	Mitsuba System	MS	12	6M6-81800-10-00	PH100-YA01	•
WRB650 WaveRunner VXR	650cc	91-95	Mitsuba System	MS	12	6M6-81800-10-00	PH100-YA01	•
WRB700 WaveRunner Pro VXR	701cc	93-94	Mitsuba System	MS	12	6M6-81800-10-00	PH100-YA01	•
WVT700 Wave Venture 700	701cc	95-98	Mitsuba System	MS	12	6M6-81800-10-00	PH100-YA01	•
WVT760 Wave Venture 760	760cc	97	Mitsuba System	MS	12	64X-81800-00-00	PH100-YA04	•

PROTORQUE - Personal Watercraft Starters & Components



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## APPLICATIONS - PERSONAL WATERCRAFT STARTERS & COMPONENTS

MODEL	ENGINE	YEAR	OPTION	MFG	VOLT	OEM #	PROTORQUE #
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### YAMAHA - continued

#### PERSONAL WATERCRAFT (PWC) - continued

WVT1100 Wave Venture 1100	1100cc	96-97	Mitsuba System	MS	12	63M-81800-00-00	PH100-YA02	•
XL700 WaveRunner XL	701cc	99-04	Mitsuba System	MS	12	6M6-81800-10-00	PH100-YA01	•
XL760 WaveRunner XL	760cc	98-99	Mitsuba System	MS	12	64X-81800-00-00	PH100-YA04	•
XL800 WaveRunner XL	784cc	00-01	Mitsuba System	MS	12	63M-81800-00-00	PH100-YA02	•
XL1200 WaveRunner XL	1176cc	98	Mitsuba System	MS	12	63M-81800-00-00	PH100-YA02	•
XL1200 WaveRunner XL LTD	1176cc	99-00	Mitsuba System	MS	12	63M-81800-00-00	PH100-YA02	•
XL7800 WaveRunner XLT	784cc	02-04	Mitsuba System	MS	12	63M-81800-00-00	PH100-YA02	•
XLT1200 WaveRunner XLT	1176cc	01-05	Mitsuba System	MS	12	63M-81800-00-00	PH100-YA02	•

#### SPORTBOAT

2125S		08-10	Mitsuba System	MS	12	60E-81800-00-00	PH100-YA03	•
2125S		12-15	Mitsuba System	MS	12	6S5-81800-00-00	PH100-YA07	•
212X		08-10	Mitsuba System	MS	12	60E-81800-00-00	PH100-YA03	•
212X		12-15	Mitsuba System	MS	12	6S5-81800-00-00	PH100-YA07	•
232 Limited		08-09	Mitsuba System	MS	12	60E-81800-00-00	PH100-YA03	•
242 Limited		10-15	Mitsuba System	MS	12	6S5-81800-00-00	PH100-YA07	•
AR190		12-15	Mitsuba System	MS	12	6S5-81800-00-00	PH100-YA07	•
AR192		14-15	Mitsuba System	MS	12	6S5-81800-00-00	PH100-YA07	•
AR210		03-05	Mitsuba System	MS	12	63M-81800-00-00	PH100-YA02	•
AR210		06-15	Mitsuba System	MS	12	6D3-81800-00-00	PH100-YA06	•
AR230		04-09	Mitsuba System	MS	12	60E-81800-00-00	PH100-YA03	•
AR240		10-15	Mitsuba System	MS	12	6S5-81800-00-00	PH100-YA07	•
Exciter		96-99	Mitsuba System	MS	12	63M-81800-00-00	PH100-YA02	•
LS 2000		99-02	Mitsuba System	MS	12	63M-81800-00-00	PH100-YA02	•
LX210		03-05	Mitsuba System	MS	12	63M-81800-00-00	PH100-YA02	•
SR210		06-07	Mitsuba System	MS	12	6D3-81800-00-00	PH100-YA06	•
SR230		03-07	Mitsuba System	MS	12	60E-81800-00-00	PH100-YA03	•
SX190		12-15	Mitsuba System	MS	12	6S5-81800-00-00	PH100-YA07	•
SX192		14-15	Mitsuba System	MS	12	6S5-81800-00-00	PH100-YA07	•
SX210		06-15	Mitsuba System	MS	12	6D3-81800-00-00	PH100-YA06	•
SX230		04-09	Mitsuba System	MS	12	60E-81800-00-00	PH100-YA03	•
SX240		10-15	Mitsuba System	MS	12	6S5-81800-00-00	PH100-YA07	•
SXT1800		11	Mitsuba System	MS	12	6S5-81800-00-00	PH100-YA07	•
XR 1800		00-01	Mitsuba System	MS	12	63M-81800-00-00	PH100-YA02	•



**PLEASE NOTE**

This page offers optional PROTORQUE part numbers for those units listed within the Personal Watercraft & Components application section marked with the symbol “●”.

Please review the OPTIONAL UNITS chart below and note that images along with added information may be found in the Buyer's Guide section of the catalog. Buyer's Guide pages for each part number can be found in the chart below.

PROTORQUE #	OPTIONAL PROTORQUE #	DESCRIPTION	BUYER'S GUIDE PG #
<b>PERSONAL WATERCRAFT STARTER &amp; COMPONENTS</b>			
PH100-HN01	PH100-HN01-G	(GOLD SERIES) - HIGH TORQUE VERSION	Page 134
PH100-HN01	PH100-HN01-R	(REDLINE SERIES) - ECONOMICAL VERSION	Page 134
PH100-KW01	PH100-KW01-G	(GOLD SERIES) - HIGH TORQUE VERSION	Page 134
PH100-KW01	PH100-KW01-R	(REDLINE SERIES) - ECONOMICAL VERSION	Page 134
PH100-KW02	PH100-KW02-G	(GOLD SERIES) - HIGH TORQUE VERSION	Page 134
PH100-KW02	PH100-KW02-R	(REDLINE SERIES) - ECONOMICAL VERSION	Page 134
PH100-KW03	PH100-KW03-G	(GOLD SERIES) - HIGH TORQUE VERSION	Page 134
PH100-KW03	PH100-KW03-R	(REDLINE SERIES) - ECONOMICAL VERSION	Page 134
PH100-KW04	PH100-KW04-G	(GOLD SERIES) - HIGH TORQUE VERSION	Page 135
PH100-KW04	PH100-KW04-R	(REDLINE SERIES) - ECONOMICAL VERSION	Page 135
PH100-PL01	PH100-PL01-G	(GOLD SERIES) - HIGH TORQUE VERSION	Page 135
PH100-PL01	PH100-PL01-R	(REDLINE SERIES) - ECONOMICAL VERSION	Page 135
PH100-PL02	PH100-PL02-G	(GOLD SERIES) - HIGH TORQUE VERSION	Page 135
PH100-PL02	PH100-PL02-R	(REDLINE SERIES) - ECONOMICAL VERSION	Page 135
PH100-SD01	PH100-SD01-G	(GOLD SERIES) - HIGH TORQUE VERSION	Page 135
PH100-SD01	PH100-SD01-R	(REDLINE SERIES) - ECONOMICAL VERSION	Page 135
PH100-SD02	PH100-SD02-G	(GOLD SERIES) - HIGH TORQUE VERSION	Page 136
PH100-SD02	PH100-SD02-R	(REDLINE SERIES) - ECONOMICAL VERSION	Page 136
PH100-SD03	PH100-SD03-G	(GOLD SERIES) - HIGH TORQUE VERSION	Page 136
PH100-SD03	PH100-SD03-R	(REDLINE SERIES) - ECONOMICAL VERSION	Page 136
PH100-SD04	PH100-SD04-G	(GOLD SERIES) - HIGH TORQUE VERSION	Page 136
PH100-SD04	PH100-SD04-R	(REDLINE SERIES) - ECONOMICAL VERSION	Page 136
PH100-SD05	PH100-SD05-G	(GOLD SERIES) - HIGH TORQUE VERSION	Page 136
PH100-SD05	PH100-SD05-R	(REDLINE SERIES) - ECONOMICAL VERSION	Page 136
PH100-SD06	PH100-SD06-G	(GOLD SERIES) - HIGH TORQUE VERSION	Page 137
PH100-SD06	PH100-SD06-R	(REDLINE SERIES) - ECONOMICAL VERSION	Page 137
PH100-TS01	PH100-TS01-G	(GOLD SERIES) - HIGH TORQUE VERSION	Page 137
PH100-TS01	PH100-TS01-R	(REDLINE SERIES) - ECONOMICAL VERSION	Page 137
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PH100-YA04	PH100-YA04-R	(REDLINE SERIES) - ECONOMICAL VERSION	Page 138
PH100-YA05	PH100-YA05-G	(GOLD SERIES) - HIGH TORQUE VERSION	Page 138
PH100-YA05	PH100-YA05-R	(REDLINE SERIES) - ECONOMICAL VERSION	Page 138
PH100-YA06	PH100-YA06-G	(GOLD SERIES) - HIGH TORQUE VERSION	Page 138
PH100-YA06	PH100-YA06-R	(REDLINE SERIES) - ECONOMICAL VERSION	Page 138
PH100-YA07	PH100-YA07-G	(GOLD SERIES) - HIGH TORQUE VERSION	Page 139
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PH105-D001	PH105-D001-G	(GOLD SERIES) - ORIGINAL EQUIPMENT VERSION	Page 139



**PH100-HN01 12 Volt, 9 Tooth**

*New Aftermarket Replacement - CW*

**PH100-HN01-G 12 Volt, 9 Tooth**

*High Torque Aftermarket Replacement - CW*

**PH100-HN01-R 12 Volt, 9 Tooth**

*Redline Aftermarket Replacement - CW*

Replacement Starter for Honda  
Fits 1200CC 4-Stroke  
AquaTrax Engines  
Including F-12,  
F-12X, R-12,  
& R-12X

**Replaces:**  
HONDA  
31200-HW1-671



**PH100-KW02 12 Volt, 9 Tooth**

*New Aftermarket Replacement - CCW*

**PH100-KW02-G 12 Volt, 9 Tooth**

*High Torque Aftermarket Replacement - CCW*

**PH100-KW02-R 12 Volt, 9 Tooth**

*Redline Aftermarket Replacement - CCW*

Replacement Starter for Kawasaki  
Fits 400, 440,  
& 550CC  
Engines

**Replaces:**  
KAWASAKI  
21163-3002-YR  
21163-3003-YR  
21163-3710  
21163-3711



**PH100-KW01 12 Volt, 9 Tooth**

*New Aftermarket Replacement - CW*

**PH100-KW01-G 12 Volt, 9 Tooth**

*High Torque Aftermarket Replacement - CW*

**PH100-KW01-R 12 Volt, 9 Tooth**

*Redline Aftermarket Replacement - CW*

Replacement Starter for Kawasaki  
Fits 650, 750, 800,  
900, & 1100CC  
Engines

**Replaces:**  
KAWASAKI  
21163-3702  
21163-3706  
21163-3709  
21163-3712  
21163-3714



**PH100-KW03 12 Volt, 10 Tooth**

*New Aftermarket Replacement - CW*

**PH100-KW03-G 12 Volt, 10 Tooth**

*High Torque Aftermarket Replacement - CW*

**PH100-KW03-R 12 Volt, 10 Tooth**

*Redline Aftermarket Replacement - CW*

Replacement Starter for Kawasaki  
Fits 1200CC  
Ultra 150  
Engines

**Replaces:**  
KAWASAKI  
21163-3715  
21163-3718  
21163-3719





## BUYER'S GUIDE - PERSONAL WATERCRAFT STARTERS & COMPONENTS

### **PH100-KW04 12 Volt, 9 Tooth**

*New Aftermarket Replacement - CCW*

### **PH100-KW04-G 12 Volt, 9 Tooth**

*High Torque Aftermarket Replacement - CCW*

### **PH100-KW04-R 12 Volt, 9 Tooth**

*Redline Aftermarket Replacement - CCW*

Replacement Starter for Kawasaki  
Fits JT1200 & JT1500 Engines

**Replaces:**

KAWASAKI

21163-3720

21163-3721



### **PH100-PL02 12 Volt, 9 Tooth**

*New Aftermarket Replacement - CW*

### **PH100-PL02-G 12 Volt, 9 Tooth**

*High Torque Aftermarket Replacement - CW*

### **PH100-PL02-R 12 Volt, 9 Tooth**

*Redline Aftermarket Replacement - CW*

Replacement Starter for Polaris  
Fits All Late Models with  
Extended Battery Stud

**Replaces:**

POLARIS

4010675

4060118



### **PH100-PL01 12 Volt, 9 Tooth**

*New Aftermarket Replacement - CW*

### **PH100-PL01-G 12 Volt, 9 Tooth**

*High Torque Aftermarket Replacement - CW*

### **PH100-PL01-R 12 Volt, 9 Tooth**

*Redline Aftermarket Replacement - CW*

Replacement Starter for Polaris with Short  
Battery Stud - Fits 650, 750, 780,  
785, 900, 1050, & 1200CC Engines

See PH100-PL02  
for Extended  
Battery Stud

**Replaces:**

POLARIS

3240110

3240281

4010675

4060118



### **PH100-SD01 12 Volt, 9 Tooth**

*New Aftermarket Replacement - CCW*

### **PH100-SD01-G 12 Volt, 9 Tooth**

*High Torque Aftermarket Replacement - CCW*

### **PH100-SD01-R 12 Volt, 9 Tooth**

*Redline Aftermarket Replacement - CCW*

Replacement Starter for Sea-Doo  
Fits 580 & 650 Engines

**Replaces:**

SEAD-DOO

278-000-027-P30

278-000-145

278-000-186

278-000-316



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**PH100-SD02 12 Volt, 9 Tooth**

*New Aftermarket Replacement - CCW*

**PH100-SD02-G 12 Volt, 9 Tooth**

*High Torque Aftermarket Replacement - CCW*

**PH100-SD02-R 12 Volt, 9 Tooth**

*Redline Aftermarket Replacement - CCW*

Replacement Starter for Sea-Doo  
Fits 580, 650 & 720 Engines

Middle Mounting  
Hole Threaded

**Replaces:**

SEA-DOO  
278-000-485  
278-001-300  
278-001-935



**PH100-SD04 12 Volt, 9 Tooth**

*New Aftermarket Replacement - CCW*

**PH100-SD04-G 12 Volt, 9 Tooth**

*High Torque Aftermarket Replacement - CCW*

**PH100-SD04-R 12 Volt, 9 Tooth**

*Redline Aftermarket Replacement - CCW*

Replacement Starter for Sea-Doo  
Fits 95-96 XP800 & 96 GSX & GTX Engines  
with 9-Tooth Drive

Three Mounting  
Holes - All  
Threaded

**Replaces:**

SEA-DOO  
278-000-577



**PH100-SD03 12 Volt, 8 Tooth**

*New Aftermarket Replacement - CCW*

**PH100-SD03-G 12 Volt, 8 Tooth**

*High Torque Aftermarket Replacement - CCW*

**PH100-SD03-R 12 Volt, 8 Tooth**

*Redline Aftermarket Replacement - CCW*

Replacement Starter for Sea-Doo  
Fits All 97-05 787 & 800CC Engines  
with 8-Tooth Drive

Three Mounting  
Holes - All  
Threaded

**Replaces:**

SEA-DOO  
278-001-038  
278-001-301  
278-001-497  
278-001-936



**PH100-SD05 12 Volt, 9 Tooth**

*New Aftermarket Replacement - CW*

**PH100-SD05-G 12 Volt, 9 Tooth**

*High Torque Aftermarket Replacement - CW*

**PH100-SD05-R 12 Volt, 9 Tooth**

*Redline Aftermarket Replacement - CW*

Replacement Starter for Sea-Doo  
Fits All 951CC Engines

**Replaces:**

SEA-DOO  
278-000-987  
278-001-937



## BUYER'S GUIDE - PERSONAL WATERCRAFT STARTERS & COMPONENTS

### **PH100-SD06** 12 Volt, 9 Tooth

New Aftermarket Replacement - CCW

### **PH100-SD06-G** 12 Volt, 9 Tooth

High Torque Aftermarket Replacement - CCW

### **PH100-SD06-R** 12 Volt, 9 Tooth

Redline Aftermarket Replacement - CCW

Replacement Starter for Sea-Doo  
Fits All 4-Tec 3 Cylinder 4 Stroke Engines

**Replaces:**

SEA-DOO

290-888-993

420-888-994

420-888-995

420-888-996



### **PH100-YA01** 12 Volt, 9 Tooth

New Aftermarket Replacement - CW

### **PH100-YA01-G** 12 Volt, 9 Tooth

High Torque Aftermarket Replacement - CW

### **PH100-YA01-R** 12 Volt, 9 Tooth

Redline Aftermarket Replacement - CW

Replacement Starter for Yamaha  
Fits 650 & 700CC Engines

**Replaces:**

YAMAHA

6M6-81800-00-00

6M6-81800-10-00



### **PH100-TS01** 12 Volt, 9 Tooth

New Aftermarket Replacement - CW

### **PH100-TS01-G** 12 Volt, 9 Tooth

High Torque Aftermarket Replacement - CW

### **PH100-TS01-R** 12 Volt, 9 Tooth

Redline Aftermarket Replacement - CW

Replacement Starter for Tiger Shark  
Fits 640, 770, 900,  
1000 & 1100CC  
Engines

**Replaces:**

TIGER SHARK

3008-093

3008-327

3008-462

3008-536



### **PH100-YA02** 12 Volt, 9 Tooth

New Aftermarket Replacement - CW

### **PH100-YA02-G** 12 Volt, 9 Tooth

High Torque Aftermarket Replacement - CW

### **PH100-YA02-R** 12 Volt, 9 Tooth

Redline Aftermarket Replacement - CW

Replacement Starter for Yamaha  
Fits 800, 1100, 1200,  
& 1300CC Engines

**Replaces:**

YAMAHA

63M-81800-00-00



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**PH100-YA03 12 Volt, 9 Tooth**

*New Aftermarket Replacement - CCW*

**PH100-YA03-G 12 Volt, 9 Tooth**

*High Torque Aftermarket Replacement - CCW*

**PH100-YA03-R 12 Volt, 9 Tooth**

*Redline Aftermarket Replacement - CCW*

Replacement Starter for Yamaha  
Fits 1100CC FX 4-Stroke Engines

**Replaces:**

YAMAHA  
60E-81800-00-00



**PH100-YA05 12 Volt, 11 Tooth**

*New Aftermarket Replacement - CCW*

**PH100-YA05-G 12 Volt, 11 Tooth**

*High Torque Aftermarket Replacement - CCW*

**PH100-YA05-R 12 Volt, 11 Tooth**

*Redline Aftermarket Replacement - CCW*

Replacement Starter for Yamaha  
Fits 500 Engines

**Replaces:**

YAMAHA  
6K8-81800-10-00  
6K8-81800-11-00  
6K8-81800-12-00



**PH100-YA04 12 Volt, 9 Tooth**

*New Aftermarket Replacement - CW*

**PH100-YA04-G 12 Volt, 9 Tooth**

*High Torque Aftermarket Replacement - CW*

**PH100-YA04-R 12 Volt, 9 Tooth**

*Redline Aftermarket Replacement - CW*

Replacement Starter for Yamaha  
Fits 760CC Engines

**Replaces:**

YAMAHA  
64X-81800-00-00



**PH100-YA06 12 Volt, 9 Tooth**

*New Aftermarket Replacement - CCW*

**PH100-YA06-G 12 Volt, 9 Tooth**

*High Torque Aftermarket Replacement - CCW*

**PH100-YA06-R 12 Volt, 9 Tooth**

*Redline Aftermarket Replacement - CCW*

Replacement Starter for Yamaha  
Fits VX1100 4-Stroke Engines

**Replaces:**

YAMAHA  
6D3-81800-00-00





**PH100-YA07 12 Volt, 13 Tooth**

*New Aftermarket Replacement - CCW*

**PH100-YA07-G 12 Volt, 13 Tooth**

*High Torque Aftermarket Replacement - CCW*

**PH100-YA07-R 12 Volt, 13 Tooth**

*Redline Aftermarket Replacement - CCW*

Replacement Starter for Yamaha  
Fits 1800CC Engines

**Replaces:**  
YAMAHA  
6S5-81800-00-00



**PH105-D001**

*Aftermarket 19 Tooth Bendix - CCW*

**PH105-D001-G**

*Original Equipment 19 Tooth Bendix - CCW*

PWC Starter Drive for Kawasaki 650, 750, 900 & 1100CC, All Polaris, Early Tiger Shark, Sea-Doo 951CC & All Yamaha Except 500CC

**Replaces:**  
KAWASAKI  
13101-3701,-3703,-3705,  
13101-3706,-3708  
POLARIS  
3240120, 3240122,  
4010418, 4060119  
SEA-DOO  
290-888-040, 290-888-042  
420-888-042  
TIGER SHARK  
3008-104, 3008-387  
YAMAHA  
6M6-8183E-00-00, 6M6-8183E-01-00



**PH105-D002**

*Aftermarket 23 Tooth Bendix - CCW*

Tiger Shark PWC Starter Drive with  
23 Tooth Gear for 1000CC  
& 1100CC Engines

**Replaces:**  
TIGER SHARK  
3008-276  
3008-408



**PH105-D003**

*Aftermarket 9 Tooth Bendix - CCW*

Kawasaki PWC Starter Drive for  
440 & 550CC Engines

**Replaces:**  
KAWASAKI  
59051-3005  
59051-5007



**PH105-D004**

*Aftermarket 11 Tooth Bendix - CCW*

Yamaha PWC Starter Drive for 500CC Engines

**Replaces:**  
YAMAHA  
6K8-81807-10-00



**PH105-D005**

*Aftermarket 9 Tooth Bendix - CCW*

Sea-Doo PWC Starter Drive for All  
9 Tooth Engines  
Except 951CC

**Replaces:**  
SEA-DOO  
295-500-089



**PH105-D006**

*Aftermarket 8 Tooth Bendix - CCW*

Sea-Doo PWC Starter Drive for All  
8 Tooth Applications

**Replaces:**  
SEA-DOO  
278-001-106



**PH105-D007**

*Original Equipment 13 Tooth Bendix - CW*

Sea-Doo PWC Starter Drive for All  
4-Tec Engines

**Replaces:**  
SEA-DOO  
290888980, 420888980,  
420888982, 420890630,  
420890631, 420890632,  
420890639



**PH200-T001 12 Volt**

*Mercury Aftermarket Replacement*

Replacement Tilt Trim Motor for Mercury  
3 Wire Trim Motor – Motor Only

Motor Replaces OE Square  
Style Eaton  
& Will Work on  
All OE  
Hydraulic  
Pump  
Assemblies for  
Mercury / Mariner  
35–220HP Outboards  
with (Design I) 3 Ram



**Replaces:**  
MERCURY  
99186, 99186-1, 99186T

**PH200-T002 12 Volt**

*Mercury Aftermarket Replacement*

Replacement Tilt Trim Motor for Late Model  
Mercury / Mariner & Force 25–50HP  
Outboard Engines with 2-Wire Connection  
& Bullet Connector Terminal Ends



**Replaces:**  
MERC/FORCE  
827675A1

**PH200-T003 12 Volt**

*Mercury Aftermarket Replacement*

Replacement Tilt Trim Motor for Late Model  
Mercury / Mariner & Force 40–125HP Outboard  
Engines with Single Ram 2-Wire Connection &  
Bullet Connector Terminal Ends



**Replaces:**  
MERC/FORCE  
811674  
811699  
809885A1  
809885A2  
809885T2  
813447  
819479A1  
819480A1  
885654T  
893907A02

**PH200-T004 12 Volt**

*OMC Aftermarket Replacement*

Replacement Tilt Trim Motor for OMC  
Fits 98–On 75–250HP FFI Outboard Engines  
with 2-Wire Connection & Sealed  
Female Terminal Ends



**Replaces:**  
OMC  
438786  
439937  
5005254

**PH200-T005 12 Volt**

*OMC Aftermarket Replacement*

Replacement Tilt Trim Motor for OMC  
Fits Various Applications with 2-Wire  
Connection, Female Terminal Ends & Short  
Wire Leads

Supplied with Adapter  
to Replace Motors  
with Hollow  
Hex Shafts



**Replaces:**  
OMC  
434495  
434496  
438529  
438531

**PH200-T006 12 Volt**

*OMC Aftermarket Replacement*

Replacement Tilt Trim Motor for OMC  
Fits Various Applications with 2-Wire  
Connection, Female Terminal Ends & Long  
Wire Leads

Supplied with Adapter  
to Replace Motors  
with Hollow  
Hex Shafts



**Replaces:**  
OMC  
434495  
434496  
438529  
438531



**PH200-T007 12 Volt**

*Volvo Aftermarket Replacement*

Replacement Tilt Trim Motor for Late Model Volvo Penta with Pump – 2-Wire Connection

Motor Only – Fits PH200-T017

**Replaces:**  
VOLVO  
854525-3



**PH200-T010 12 Volt**

*Mercury Aftermarket Replacement*

Replacement Tilt Trim Motor for Late Model Mercury 135, 150, XR6, Magnum III, 175, 200, 225, 250 & 105-140HP Jet with 2-Wire Connection & Bullet Connector Terminal Ends

**Replaces:**  
MERCURY  
828708  
878265A1  
878265A4



**PH200-T008 12 Volt**

*Mercury Aftermarket Replacement*

Replacement Tilt Trim Motor for Late Model Mercury 225-275HP Outboards with 3-Wire Connection & Ring Terminals

**Replaces:**  
MERCURY  
823653A5  
92459A4



**PH200-T011 12 Volt**

*Mercury Aftermarket Replacement*

Replacement Tilt Trim Motor for Mercury / Mariner – Cartridge Pump & Motor Fits 35-220HP & Magnum II Outboards with (Design I) 3 Ram 3-Wire Units

Replaces Square Style Eaton

See PH200-T001 for Motor Only

**Replaces:**  
MERCURY  
99186  
99186-1  
99186T



**PH200-T009 12 Volt**

*OMC Aftermarket Replacement*

Replacement Tilt Trim Motor for OMC Motor to Replace Prestolite EVD4002 with 3-Wire Connection

**Replaces:**  
OMC  
982058  
982706



**PH200-T011-R 12 Volt**

*Mercury Aftermarket Replacement*

Replacement Tilt Trim Motor for Mercury/Mariner – Round Style Cartridge Pump & Motor – Fits 35-220HP Magnum II Outboards with (Design I) 3 Ram with Side Fill Reservoir. Replaces Round Prestolite & Square Style Eaton

Supplied with Wire Harness & Relay Kit

**Replaces:**  
MERCURY  
99186  
99186T  
99186-1





**PH200-T012 12 Volt**

*Volvo Aftermarket Replacement*

Replacement Tilt Trim Motor for Late Model Volvo / OMC-SX Drives with Teleflex Pump 2-Wire Connection

Motor Only

See PH200-T018 for Complete Pump with Reservoir

**Replaces:**  
VOLVO  
3861575



**PH200-T013 12 Volt**

*OMC Aftermarket Replacement*

Replacement Tilt Trim Motor for OMC Replaces Prestolite ETK4102 with 2-Wire Connection

**Replaces:**  
OMC  
380361  
382138  
382220



**PH200-T014 12 Volt**

*OMC Aftermarket Replacement*

Replacement Tilt Trim Motor for OMC Fits Various Models with 2-Wire Connection & Male Terminal Ends

**Replaces:**  
OMC  
391264  
393259  
393988  
394176  
983019



**PH200-T015 12 Volt**

*Mercury Aftermarket Replacement*

**PH200-T015-24V 24 Volt**

*Mercury Aftermarket Replacement*

Replacement Tilt Trim Motor for Mercruiser Inboards & Mercury Outboards with Oildyne Pump with 3-Wire Connection & Ring Terminals - Also Replaces Early Square Body Motor Types

Motor Only

See PH200-T016 & PH200-T016-24V for Complete Pump with Reservoir

**Replaces:**  
MERCURY  
17649  
17649A1  
87828



**PH200-T016 12 Volt**

*Mercury Aftermarket Replacement*

**PH200-T016-24V 24 Volt**

*Mercury Aftermarket Replacement*

Replacement Tilt Trim Motor for Late Model Mercruiser Applications with Oildyne Pump & Reservoir

Complete Assembly

See PH200-T015 & PH200-T015-24V for Motor Only

**Replaces:**  
MERCURY  
14336A8  
14336A20  
14336A25  
14336A31  
88183A5  
865380A03  
865380A13





**PH200-T016-K 12 Volt**

*Mercury Aftermarket Replacement*

Replacement Tilt Trim Motor for Late Model Mercruiser Applications with Oildyne Pump Complete with Metal Bracket, Solenoids, Wiring Cables, Junction Block & Hardware

See PH200-T016-SK for Complete Stainless Bracket Assembly

See PH200-T065 for Metal Bracket Only

See PH200-T065-K for Pre-Wired Metal Bracket

**Replaces:**

MERCURY  
14336A6  
14336A9  
88183A12



**PH200-T016-SM 12 Volt**

*Mercury Aftermarket Replacement*

Replacement Tilt Trim Motor for Late Model Mercruiser Applications with Oildyne Pump Complete with Side Mount Metal Bracket, Solenoids, Wiring Cables, Junction Block & Hardware

See PH200-T016-K for Complete Floor Mounted Metal Bracket Assembly

See PH200-T016-SK for Complete Floor Mounted Stainless Bracket Assembly

**Replaces:**

MERCURY  
14336A6  
14336A9  
88183A12



**PH200-T016-SK 12 Volt**

*Mercury Aftermarket Replacement*

Replacement Tilt Trim Motor for Late Model Mercruiser Applications with Oildyne Pump Complete with Stainless Steel Bracket, Solenoids, Heavy Duty Wiring Cables, Junction Block & Stainless Hardware

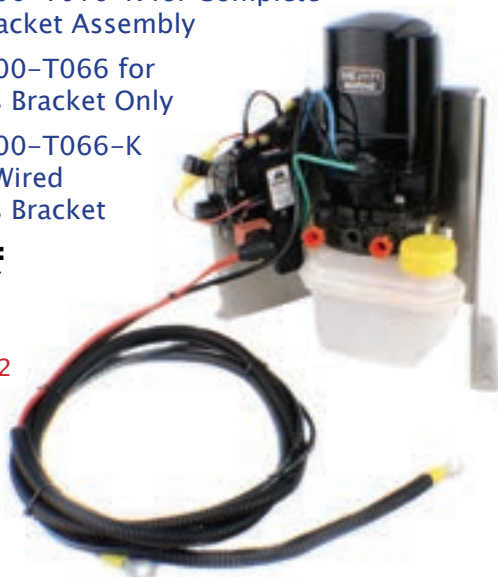
See PH200-T016-K for Complete Metal Bracket Assembly

See PH200-T066 for Stainless Bracket Only

See PH200-T066-K for Pre-Wired Stainless Bracket

**Replaces:**

MERCURY  
14336A6  
14336A9  
88183A12



**PH200-T017 12 Volt**

*Volvo Aftermarket Replacement*

Replacement Tilt Trim Motor for Late Model Volvo Penta SP & DP Sterndrives – Hydraulic Hoses Attach & Seal with Inverted Flare Fittings – 2-Wire Connection

Complete Unit

See PH200-T007 for Motor Only

**Replaces:**

VOLVO  
854346-4  
3857265-7  
3861027-5



**PH200-T018 12 Volt**  
*Volvo Aftermarket Replacement*

Replacement Tilt Trim Motor for Late Model Volvo / OMC-SX Drives with Teleflex Pump 2-Wire Connection - Hydraulic Hoses Attach & Seal with "O-Ring" Connection at the End of Trim Hose

Complete Unit  
See PH200-T012 for Motor Only

- Replaces:**  
VOLVO  
3587079  
3857079  
3857489  
3858069  
3860879



**PH200-T019-SK 12 Volt**  
*Mercury Aftermarket Replacement*

Replacement Tilt Trim Motor for Late Model Mercruiser Applications with Oildyne Pump Complete with Low Profile Stainless Steel Bracket, Solenoids, Heavy Duty Wiring Cables, Junction Block & Stainless Hardware

See PH200-T016-SK for Complete High Profile Stainless Bracket Assembly

See PH200-T067 for Stainless Bracket Only

See PH200-T067-K for Pre-Wired Stainless Bracket

- Replaces:**  
MERCURY  
14336A15  
14336A17  
14336A22  
14336A28  
865380A02  
865380A05  
865380A25



**PH200-T020 12 Volt**  
*OMC Aftermarket Replacement*

Replacement Tilt Trim Motor for OMC Fits V4 & V6 Engines with 3-Wire Connection & Ring Terminal Ends

- Replaces:**  
OMC  
387277  
582047  
582048  
582155  
584107  
777784  
MERCURY  
802508  
PRESTOLITE  
EVC4002



**PH200-T021 12 Volt**  
*OMC / Honda Aftermarket Replacement*

Replacement Tilt Trim Motor for OMC Fits 89-On J-Suffix 40, 48, 50HP 4-Bolt Mount with 2-Wire Connection & Female Terminal Ends

Hollow Hex Shaft

- Replaces:**  
OMC  
435532  
437801  
HONDA  
36120-ZV5-821



**PH200-T022 12 Volt**  
*OMC Aftermarket Replacement*

Replacement Tilt Trim Motor for OMC Fits 89-On M-Suffix 40, 48, 50HP 4-Bolt Mount with 2-Wire Connection & Male terminal Ends

Hollow Hex Shaft

- Replaces:**  
OMC  
433226



**PH200-T023 12 Volt**

*OMC / Volvo Aftermarket Replacement*

Replacement Tilt Trim Motor for OMC & Volvo  
Fits OMC Sterndrives 89-93, Volvo 94-Up  
3.0L-8.2L Engines with 3-Bolt Mount, 2-Wire  
Connection & Ring Terminals

**Replaces:**

OMC  
986280  
VOLVO  
3853945



**PH200-T024 12 Volt**

*Suzuki Aftermarket Replacement*

Replacement Tilt Trim Motor for Suzuki &  
Tohatsu - Fits V6 Outboards  
90-03 with 3-Bolt  
Mount, 2-Wire  
Connection  
& Ring  
Terminal  
Ends

**Replaces:**

SUZUKI  
38100-87D10-0ED  
38100-87E20-0ED  
38100-92E00-0ED



**PH200-T025 12 Volt**

*Suzuki Aftermarket Replacement*

Replacement Tilt Trim Motor for Suzuki  
Fits V4 & V6 DT Series  
Outboards with 3-Bolt  
Mount, 3-Wire  
Connection  
& Ring  
Terminal  
Ends

**Replaces:**

SUZUKI  
38100-87D00-01T  
38100-87D00-02H, 38100-8700-02M  
38100-87D01-02M, 38100-87D01-0ED  
38100-87E10-0ED



**PH200-T026 12 Volt**

*Mercury Aftermarket Replacement*

Replacement Tilt Trim Motor & Reservoir  
for BMW, Mercruiser &  
Volvo Penta with 3-Wire  
Connection & Ring  
Terminal Ends

Supplied with Screws,  
Gasket & Adapter

**Replaces:**

MERCURY  
67914A2, 76395A2,  
76395A5, 88475A5,  
92975A6, 92975A28,  
93247A4, 93247A7



**PH200-T027 12 Volt**

*Volvo Aftermarket Replacement*

Replacement Tilt Trim Motor & Reservoir  
Complete with Valve Body for Volvo Penta  
3-Wire Connection with Ring Terminal Ends

**Replaces:**

PRESTOLITE  
EVH4002  
VOLVO PENTA  
852928



**PH200-T028 12 Volt**

*Volvo Aftermarket Replacement*

Replacement Tilt Trim Motor for Volvo Penta  
Fits Various Applications with 2-Wire  
Connection & Female Terminal Ends

**Replaces:**

VOLVO PENTA  
850834-3





**PH200-T029 12 Volt**

*Yamaha Aftermarket Replacement*

Replacement Tilt Trim Motor for Yamaha  
Fits Various Applications 40-90HP  
with 3-Bolt Mount,  
2-Wire Connection  
& Ring Terminal  
Ends

**Replaces:**  
YAMAHA  
6H1-43880-02-00



**PH200-T030 12 Volt**

*Yamaha Aftermarket Replacement*

Replacement Tilt Trim Motor for Yamaha  
Fits Various Applications  
115-225HP with  
3-Bolt Mount,  
2-Wire Connection  
& Ring  
Terminal  
Ends

**Replaces:**  
YAMAHA  
6G5-43880-02-00



**PH200-T031 12 Volt**

*Force / OMC Aftermarket Replacement*

Replacement Tilt Trim Motor & Reservoir  
for Chrysler Force & OMC with  
3-Wire Connection & Plug

**Replaces:**  
CHRYSLER  
44-9541-1  
45-5541  
FORCE  
F17556  
F17563  
FK654541  
OMC  
172543  
382715



**PH200-T032 12 Volt**

*Mercury Aftermarket Replacement*

Replacement Tilt Trim Motor for  
Mercury / Mariner Outboards  
Fits Design II 3 Ram Systems  
with 2-Bolt Mount

Wire Harness & Relay Kit Converts  
2-Wire Trim motor to Replace  
Original 3-Wire System

**Replaces:**  
MERCURY  
811628



**PH200-T033 12 Volt**

*Mercury Aftermarket Replacement*

Replacement Tilt Trim Motor for  
Mercury / Mariner & Force Outboards with  
Single Ram, 4-Bolt Mount with 2-Wire  
Connection

Supplied with Mounting Screws & O-Ring  
Wire Harness & Relay Kit Converts  
2-Wire Trim motor to Replace  
Original 3-Wire System

**Replaces:**  
MERCURY  
824051





**PH200-T034 12 Volt**

*Volvo Aftermarket Replacement*

Replacement Tilt Trim Motor – Mercury Style Pump to Replace Volvo Penta & Old Style Prestolite – Includes Hydraulic Valve Body with 3-Wire Connection & Ring Terminal Ends

Complete Unit

See PH200-T027 for OE Style Replacement

**Replaces:**  
PRESTOLITE  
EVH4002  
VOLVO  
852928



**PH200-T036 12 Volt**

*Yamaha Aftermarket Replacement*

Replacement Tilt Trim Motor for Yamaha Fits 01-On 40-50HP 4 Stroke Outboards with 3-Bolt Mount, 2-Wire Connection & Ring Terminal Ends

**Replaces:**  
YAMAHA  
62Y-43880-01-00, 62Y-43880-02-00,  
69W-43880-00-00, 69W-43880-01-00,  
CS3-43880-00-00



**PH200-T035 12 Volt**

*Yamaha Aftermarket Replacement*

Replacement Tilt Trim Motor for Yamaha Fits 95-03 40-100HP Outboards with 3-Bolt Mount, 2-Wire Connection & Ring Terminal Ends

**Replaces:**  
YAMAHA  
62X-43880-00-00  
62X-43880-01-00  
62X-43880-09-00



**PH200-T037 12 Volt**

*Yamaha Aftermarket Replacement*

Replacement Tilt Trim Motor for Yamaha Fits 50-200HP Outboards with 3-Bolt Mount, 68.3mm Mounting Flange & 4mm Thick Blade

Wire Harness & Relay Kit Converts 2-Wire Trim motor to Replace Original 3-Wire System

**Replaces:**  
YAMAHA  
688-43880-11-00  
6E5-43880-01-00  
6E5-43880-02-00



**PH200-T038 12 Volt**

*Force Aftermarket Replacement*

Replacement Tilt Trim Motor & Reservoir  
Fits 86-91 85-150HP Force Outboards  
with 2-Wire Connection & Female  
Terminal Ends

**Replaces:**  
FORCE  
820545  
F694541-1  
F694541-2



**PH200-T039 12 Volt**

*Kawasaki Aftermarket Replacement*

Replacement Tilt Trim Motor for Kawasaki  
Fits Various PWC Models with  
2-Wire Connection

**Replaces:**  
KAWASAKI  
21174-3703



**PH200-T040 12 Volt**

*Sea-Doo Aftermarket Replacement*

Replacement Tilt Trim Motor for Sea-Doo  
Fits 95-11 Various PWC Models  
with 2-Wire Connection

**Replaces:**  
SEA-DOO  
278-000-616  
278-001-292



**PH200-T041 12 Volt**

*Yamaha Aftermarket Replacement*

Replacement Tilt Trim Motor for Yamaha  
Fits 60-90HP Outboard Engines  
with 3-Bolt Mount & 2-Wire Connection

Wire Harness & Relay Kit Converts  
2-Wire Trim motor to Replace  
Original 3-Wire System

**Replaces:**  
YAMAHA  
6H1-43880-00-00



**PH200-T042 12 Volt**

*OMC Aftermarket Replacement*

Replacement Tilt Trim Motor for Evinrude,  
Johnson, OMC Sea-Drive with 3-Bolt  
Mount, 2-Wire Connection with  
Female Spade Ends

**Replaces:**  
OMC  
435548  
983446  
985237



**PH200-T043 24 Volt**

*Mercury Aftermarket Replacement*

Replacement Tilt Trim Motor  
for Mercruiser Applicati  
High Volume Pump  
Supplied with Right  
Side Fill Reservoir  
Port Sizes are 1/8"



**PH200-T044 12 Volt**

*Yamaha Aftermarket Replacement*

Replacement Tilt Trim Motor for Yamaha Fits 99-03 F80 & F100, 03-04 F75 & F90 4 Stroke Outboard Engines with 4-Bolt Mount & 2-Wire Connection with Ring Terminal Ends

**Replaces:**  
YAMAHA  
67F-43880-00-00



**PH200-T045 12 Volt**

*Yamaha Aftermarket Replacement*

Replacement Tilt Trim Motor for Yamaha Fits 05-09 F50 & F60 Outboard Engines with 3-Bolt Mount & 2-Wire Connection with Ring Terminal Ends

**Replaces:**  
YAMAHA  
6C5-43880-00-00  
6C5-43880-01-00



**PH200-T046 12 Volt**

*Honda & Suzuki Aftermarket Replacement*

Replacement Tilt Trim Motor for Honda 40-50HP & Suzuki 40-50HP 4-Stroke Engines with 4-Bolt Mount & 2-Wire Connection with Female Terminal Ends

Unit Does Not Include Plastic Connector Install OE Plug onto Wire Harness

**Replaces:**  
HONDA  
36120-ZV5-822  
SUZUKI  
38100-87J11  
38100-87J20



**PH200-T047 12 Volt**

*Yamaha Aftermarket Replacement*

Replacement Tilt Trim Motor for Yamaha Fits 87-91 115-225HP Engines with 3-Bolt Mount & 2-Wire Connection

Wire Harness & Relay Kit Converts 2-Wire Trim Motor to Replace Original 3-Wire System

**Replaces:**  
YAMAHA  
6G5-43880-00-00  
6G5-43880-01-00



**PH200-T048 12 Volt**

*Yamaha Aftermarket Replacement*

Replacement Tilt Trim Motor for Yamaha Fits 85-92 40-50HP with 4-Bolt Mount & 2-Wire Connection with Ring Terminal Ends

**Replaces:**  
YAMAHA  
6H5-43880-02-00  
6H5-43880-09-00



**PH200-T049 12 Volt**

*OMC Aftermarket Replacement*

Replacement Tilt Trim Motor for OMC Fits Various Small Outboard Engines with 3-Wire Connection

**Replaces:**  
OMC  
172588  
173944  
PRESTOLITE  
ETF4003  
ESI4001  
ESZ4015  
ESZ4017





**PH200-T050 12 Volt**

*Yamaha Aftermarket Replacement*

Replacement Tilt Trim Motor for Yamaha Fits 225-250HP Outboard Engines with 3-Bolt Mount, 4-Wire Connection & Ring Terminal Ends

**Replaces:**

YAMAHA  
61A-43880-01-00  
61A-43880-02-00



**PH200-T053 12 Volt**

*Volvo Aftermarket Replacement*

Replacement Tilt Trim Motor & Reservoir without Pump Assembly - Fits Various Volvo Penta Applications with 3-Wire Connection & Ring Terminal Ends

See PH200-T027 For Complete Unit with Valve Body

**Replaces:**

PRESTOLITE  
EVH4002  
VOLVO  
852928



**PH200-T051 12 Volt**

*OMC Aftermarket Replacement*

Replacement Tilt Trim Motor for OMC Fits 75-85 Stern Drive Engines with 3-Bolt Mount & 2-Wire Connection

**Replaces:**

OMC  
982957  
983195



**PH200-T054 12 Volt**

*Volvo Aftermarket Replacement*

Replacement Tilt Trim Motor for Volvo Penta Fits Various Engines with 4-Wire Connection & Plug with Female Terminal Ends

**Replaces:**

ELECTROLUX  
KS3448/290  
VOLVO  
839430



**PH200-T052 12 Volt**

*OMC Aftermarket Replacement*

Replacement Tilt Trim Motor for OMC Fits V4 Outboards with 4.25" Diameter Reservoir Base, 3-Wire Connection with Ring Terminal Ends

**Replaces:**

OMC  
172655  
172850  
173596  
PRESTOLITE  
ESQ4006  
ESQ4007-1  
ESQ4009S



**PH200-T055 12 Volt**

*Volvo Aftermarket Replacement*

Replacement Tilt Trim Motor for Volvo Penta Fits Various Engines with 4-Wire Connection & Plug with Male Terminal Ends

**Replaces:**

ELECTROLUX  
KS3448/300  
VOLVO  
850046-4  
853520





**PH200-T056 12 Volt**

*OMC Aftermarket Replacement*

Replacement Tilt Trim Motor for OMC  
Fits 86-88 Various Engines with 3-Wire  
Connection & Male Terminal Ends

Wire Harness & Relay Kit  
Converts 2-Wire Trim  
motor to Replace  
Original 3-Wire  
System

**Replaces:**  
OMC  
984356



**PH200-T059 12 Volt**

*Yamaha Aftermarket Replacement*

Replacement Tilt Trim Motor for Yamaha  
Fits 05-06 F75-F90 Engines with Long Shaft  
4-Bolt Mount with 2-Wire Connection  
& Ring Terminal Ends

See PH200-T068  
for Short Shaft  
Version

**Replaces:**  
YAMAHA  
6D8-43880-00-00  
6D8-43880-01-00  
6D8-43880-09-00



**PH200-T057 12 Volt**

*Yamaha Aftermarket Replacement*

Replacement Tilt Trim Motor for Yamaha  
Fits Various Outboard Engines 115-225HP  
with 4-Bolt Mount & 2-Wire Connection  
with Ring Terminal Ends

**Replaces:**  
YAMAHA  
64E-43880-00-00  
64E-43880-01-00  
64E-43880-03-00  
64E-43880-04-00  
67H-43880-00-00  
68V-43880-00-00  
68V-43880-01-00  
68V-43880-03-00  
68V-43880-04-00



**PH200-T060 12 Volt**

*Suzuki Aftermarket Replacement*

Replacement Tilt Trim Motor for Suzuki  
Fits 94-98 DT40 Engines  
4-Bolt Mount  
with 2-Wire  
Connection  
& Ring  
Terminal  
Ends

**Replaces:**  
SUZUKI  
38100-97E00-0ED



**PH200-T058 12 Volt**

*Volvo Penta Aftermarket Replacement*

Replacement Tilt Trim Motor for Volvo Penta  
Fits Various Engines with 3-Wire Connection  
& Male Terminal End

**Replaces:**  
ELECTROLUX  
KS3448/240  
VOLVO PENTA  
854329-0  
897720-9



**PH200-T061 12 Volt**

*OMC Aftermarket Replacement*

Replacement Tilt Trim Motor for OMC  
Fits 01-04 40-50HP, 04-12 70-90HP,  
07-12 115HP, & 09-On 130HP  
for E-Tec Outboards - 4-Bolt Mount with  
2-Wire Connection & Female Terminal Ends

**Replaces:**  
OMC  
5005817  
5005838  
5006319



**PH200-T062 12 Volt**

*OMC Aftermarket Replacement*

Replacement Tilt Trim Motor for OMC  
Fits 99-06 40-50HP 4-Stroke Engines with  
4-Bolt Mount & 2-Wire Connection

Some Applications May Require  
a Plastic Connector - Install OE  
Connector onto  
Wire Harness

**Replaces:**  
OMC  
5031482  
5032670  
5036081



**PH200-T063 12 Volt**

*Mercury Aftermarket Replacement*

Replacement Tilt Trim Motor & Reservoir  
Fits Mercury / Mercruiser Racing  
Applications - Complete with  
5" Steel Reservoir,  
Inverted Flair Fittings,  
3-Wire Connection &  
Ring Terminals

**Replaces:**  
MERCURY  
92459A3  
92459A8  
818161A2  
846859A4



**PH200-T064-1B**

*Mercury Aftermarket Replacement*

Replacement Early Style Oil Reservoir  
1-Bolt Mount with Right Side Fill  
Reservoir Includes - Mounting Bolt,  
O-Ring, Screens, Seal & Cap  
For Late Style Oildyne Tilt  
Trim System

**Replaces:**  
MERCURY  
18525A1



**PH200-T064-4B**

*Mercury Aftermarket Replacement*

Replacement Late Style Oil Reservoir  
4-Bolt Mount with Right Side Fill  
Reservoir Includes - Mounting Bolts,  
O-Ring, Screens, Seal & Cap  
For Late Style Oildyne Tilt  
Trim System

**Replaces:**  
MERCURY  
88316A1



**PH200-T064-4B-L**

*Volvo Aftermarket Replacement*

Replacement Late Style Oil Reservoir  
4-Bolt Mount with Left Side Fill  
Reservoir Includes - Mounting Bolts,  
O-Ring, Screens, Seal & Cap  
For Late Style Oildyne Tilt  
Trim System

Will Not Fit on  
Teleflex Pumps

**Replaces:**  
VOLVO  
3858077



**PH200-T065**

*Mercury Aftermarket Replacement*

Replacement Early Style Floor Mounted  
Black Metal Bracket for Mercruiser  
Trim Systems

See PH200-T016-K for  
Complete Assembly

See PH200-T065-K for  
Pre-Wired Bracket

See PH200-T066 for  
Stainless Steel Bracket

**Replaces:**  
MERCURY  
42419A1



**PH200-T065-K**

*Mercury Aftermarket Replacement*

Replacement Early Style Floor Mounted Black Metal Bracket for Mercruiser Trim Systems Complete with Solenoids, Wiring Harness, Junction Block & Hardware

See PH200-T016-K for Complete Assembly

See PH200-T065 for Bracket Only

See PH200-T066-K for Stainless Steel Version

**Replaces:**  
MERCURY  
42419A1



**PH200-T066**

*Mercury Aftermarket Replacement*

Replacement Early Style Floor Mounted Stainless Steel Bracket for Mercruiser Trim Systems

See PH200-T016-SK for Complete Assembly

See PH200-T066-K for Pre-Wired Bracket

See PH200-T065 for Black Metal Bracket

**Replaces:**  
MERCURY  
42419A1



**PH200-T066-K**

*Mercury Aftermarket Replacement*

Replacement Early Style Floor Mounted Stainless Steel Bracket for Mercruiser Trim Systems Complete with Solenoids, Wiring Harness, Junction Block & Hardware

See PH200-T016-SK for Complete Assembly

See PH200-T066 for Bracket Only

See PH200-T065-K for Black Metal Version

**Replaces:**  
MERCURY  
42419A1



**PH200-T067**

*Mercury Aftermarket Replacement*

Replacement Late Style Floor Mounted Stainless Steel Bracket for Mercruiser Trim Systems

See PH200-T065 for Early Style Black Metal Assembly

See PH200-T066 for Early Style Stainless Steel Assembly

**Replaces:**  
MERCURY  
862548A1



**PH200-T068 12 Volt**

*Yamaha Aftermarket Replacement*

Replacement Tilt Trim Motor for Yamaha Fits F75-F90 Engines with Short Shaft 4-Bolt Mount with 2-Wire Connection & Ring Terminal Ends

See PH200-T059 for Long Shaft Version

Supplied with Extended Coupler

**Replaces:**  
YAMAHA  
6D8-43880-00-00  
6D8-43880-01-00  
6D8-43880-09-00



**PH200-T069 12 Volt**

*Yamaha Aftermarket Replacement*

Replacement Tilt Trim Motor for Yamaha Fits 02-09 F200-F250, LF200-LF250, LZ250-LZ300, Z250-Z300 Engines 3-Bolt Mount with 2-Wire Connection & Ring Terminal Ends

**Replaces:**  
YAMAHA  
60V-43880-00-00  
69J-43880-00-00  
69J-43880-01-00





**PH200-T070 12 Volt**

*Suzuki Aftermarket Replacement*

Replacement Tilt Trim Motor for Suzuki  
Fits 99-10 DF40-DF50 Engines  
4-Bolt Mount with 2-Wire  
Connection  
& Ring  
Terminals

Hollow  
Hex Shaft

**Replaces:**  
SUZUKI  
38100-87J00-0EP



**PH200-T073 12 Volt**

*Yamaha Aftermarket Replacement*

Replacement Tilt Trim Motor for Yamaha  
Fits 01-On F25, F30 & F40 Outboard Engines  
4-Bolt Mount with  
2-Wire  
Connection  
& Ring  
Terminal Ends

**Replaces:**  
YAMAHA  
67C-43880-00-00  
67C-43880-01-00



**PH200-T071 12 Volt**

*Suzuki Aftermarket Replacement*

Replacement Tilt Trim Motor for Suzuki  
Fits 01-On DF90-DF140,  
06-On DF150-DF175, &  
04-On DF200-DF300 Engines  
4-Bolt Mount  
with 2-Wire  
Connection  
& Ring  
Terminals

**Replaces:**  
SUZUKI  
38100-90J20  
38100-92J00,-J01,-J02,-J10,-J11  
38100-93J00,-J01,-J02,-J03  
38100-96J00,-J01,-J10



**PH200-T074 12 Volt**

*OMC Aftermarket Replacement*

Replacement Tilt Trim Motor for OMC  
Fits 79-85 2.5L & 3.0L Stern Drive Engines  
with 3-Wire Connection  
& Ring Terminal Ends

**Replaces:**  
OMC  
982069  
982073  
983318  
PRESTOLITE  
ESQ4005  
ESQ4008  
ESQ4010  
ESQ4017



**PH200-T072 12 Volt**

*OMC Aftermarket Replacement*

Replacement Tilt Trim Motor for OMC  
Fits 01-On 40-90HP & 12-On 15-30HP  
Outboard Engines - 4-Bolt Mount  
with 2-Wire Connection  
& Female Terminal  
Ends

**Replaces:**  
OMC  
5005822  
5005831  
5005875



**PH200-T075 12 Volt**

*Yamaha Aftermarket Replacement*

Replacement Tilt Trim Motor for  
Yamaha - Fits 06-On  
F150 Outboard  
Engines - 3-Bolt  
Mount  
with 2-Wire  
Connection  
& Ring  
Terminal  
Ends

**Replaces:**  
YAMAHA  
63P-43880-10-00  
63P-43880-11-00





**PH200-TS01**

*OMC/Honda/Suzuki Aftermarket Replacement*

Replacement Power Tilt Trim Assembly  
Fits Various 3-Ram 115-225HP Engines  
Including Honda, OMC, Suzuki, Tohatsu  
& Yamaha

Assembly Sold Complete with Trim Motor  
& Oil Reservoir Included

**Replaces:**

- OMC  
5005114
- SUZUKI  
48600-94511-0ED



**PH200-VB03**

*Chrysler / Force Aftermarket Replacement*

Replacement Tilt Trim 4-Hose Valve Body  
Fits Various Chrysler / Force Applications with  
Inverted Flair Ports

3.5" Diameter

Fits PH200-T031  
& PH200-T038



**PH200-VB01**

*Volvo / Suzuki Aftermarket Replacement*

Replacement Tilt Trim 2-Hose Valve Body  
Fits Volvo Penta & Suzuki with  
Inverted Flair Ports

3.5" Diameter

Fits PH200-T027  
& PH200-T053



**PH200-WH01**

*Merc/OMC/Yamaha Aftermarket Replacement*

Replacement Tilt Trim Wiring Harness  
Fits Mercury, OMC, & Yamaha Applications  
to Convert 3-Wire Systems to 2-Wire

For Mercury Replacements Use  
with PH200-T011-R, PH200-T032  
& PH200-T033

For OMC Replacements Use  
with PH200-T056

For Yamaha Replacements Use  
with PH200-T037, PH200-T041  
& PH200-T047



**PH200-VB02**

*OMC Aftermarket Replacement*

Replacement Tilt Trim 3-Hose Valve Body  
Fits Various OMC Applications with  
Inverted Flair Ports

3.5" Diameter

Fits PH200-T027  
& PH200-T053



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**PH500-M001**

*Mercury OE Replacement*

Replacement High Pressure Electric Fuel Pump for Mercury / Mariner – Fits Various Verado 4-Stroke Engines 75-350HP

Pump is Installed in the VST Tank

Mounting Accessories Included

**Replaces:**  
MERCURY  
880596T55



**PH500-M004**

*Yamaha Aftermarket Replacement*

Replacement High Pressure Electric Fuel Pump for Yamaha – Fits 02-On 200-225HP Outboard Engines

Pump is Installed in the VST Tank

Wire Harness & Filter Included

**Replaces:**  
YAMAHA  
69J-13907-00-00  
69J-13907-01-00  
69J-13907-02-00  
69J-13907-03-00



**PH500-M002**

*Yamaha Aftermarket Replacement*

Replacement Fuel Pump for Yamaha Fits 88-On 115-300HP Outboard Engines

**Replaces:**  
YAMAHA  
6E5-24410-00-00  
6E5-24410-01-00  
6E5-24410-02-00  
6E5-24410-03-00  
6E5-24410-04-00  
6E5-24410-10-00



**PH500-M005**

*Mercury OE Replacement*

Replacement Bosch Electric Fuel Pump for Mercury / Mariner – Fits 87-97 150-220HP Engines Including Race Outboards

**Replaces:**  
MERCURY  
14307-1  
14307A1  
14307T  
14307T01



**PH500-M003**

*Merc / Suzuki / Yamaha Aftermarket Replacement*

Replacement Fuel Pump for Mercury / Mariner 77-93 15-55HP, Suzuki 86-00 9.9-40HP DT Engines, & Yamaha 95-On 25-90HP Various Models

**Replaces:**  
MERCURY  
43113M  
43113T  
SUZUKI  
15100-94303  
15100-94311  
YAMAHA  
692-24410-00-00  
6A0-24410-00-00  
6A0-24410-01-00, 6A0-24410-02-00  
6A0-24410-03-00, 6A0-24410-04-00  
6A0-24410-05-00



**PH500-M006**

*Mercury Aftermarket Replacement*

Replacement Electric Fuel Pump for Mercury / Mariner – Fits 03-06 225HP EFI 4-Stroke Outboards

Pump is Installed in the VST Tank

Wire Harness & Filter Included

**Replaces:**  
MERCURY  
888246T  
888246T01



**PH500-M007**

*Universal Aftermarket Replacement*

Replacement Universal Electric Fuel Pump  
Fits All Carbureted 4-6 PSI Gas &  
Diesel Applications

Mounting Bracket, Fittings,  
Connectors, Screws,  
Nuts, Washers, Clip,  
and Rubber Components  
Included



**PH500-M008**

*Mercury OE Replacement*

Replacement Low Pressure In-line Electric Fuel  
Pump for Mercruiser – Fits 92-97 Carbureted  
GM V6 & Small Block V8 Engines

Pump is Also Used  
as a Low Pressure  
Boost Pump in  
Many MPI Engines

**Replaces:**

- MERCURY
- 805656-1
- 805656A2
- 805656A5
- 805656A6
- 861155A5
- 861155A6



**PH500-M009**

*Crusader / OMC / Volvo OE Replacement*

Replacement Electric Fuel Pump for Crusader,  
OMC & Volvo – Fits GM V6 & Ford Small Block  
V8 Engines

**Replaces:**

- CRUSADER
- 22898
- OMC & VOLVO
- 987702
- 3850809
- 3850817
- 3854620
- 3857986
- 3858261



**PH500-M010**

*Mercury / OMC Aftermarket Replacement*

Replacement Mechanical Fuel Pump for  
Mercruiser – Fits Various GM V8 Engines  
with Flange I.D.# M60600 & M61073

Gasket Included

**Replaces:**

- MERCURY
- 97401A2
- 97401A8
- 861678A1
- 8M0058164
- OMC
- 509404



**PH500-M011**

*Crusader / Pleasurecraft OE Replacement*

Replacement Mechanical Fuel Pump for  
Crusader and PCM – Fits 305 5.0L 220 &  
350 5.7L 270 GM Small Block Engines with  
Flange I.D.# 60501

Gasket Included

**Replaces:**

- CRUSADER
- 97842
- PLEASURECRAFT
- RA080009A



**PH500-M012**

*Pleasurecraft OE Replacement*

Replacement Mechanical Fuel Pump for  
PCM – Fits 302 5.0L & 351 5.8L Ford  
Small Block V8 Engines

Gasket Included

**Replaces:**

- PLEASURECRAFT
- RA080002A





**PH500-M013**

*Mercury Aftermarket Replacement*

Replacement Electric Fuel Pump for Mercruiser Fits 4.3L 262, 5.0L 305, 5.7L 350, 6.2L 377, & 8.1L 496 Engines

Pump is Also Used as a Low Pressure Boost Pump in Many MPI Engines

**Replaces:**  
MERCURY  
861155A3



**PH500-M014**

*Mercury Aftermarket Replacement*

Replacement High Pressure Electric Fuel Pump for Mercruiser – Fits 4.3L V6, V8 Engines Including 5.0L 305, 5.7L 350, 6.2L 377, 7.4L 454, 8.1L 496, & 8.2L 502 with MPI Fuel Injection

**Replaces:**  
MERCURY  
861156A1



**PH500-M015**

*Mercury OE Replacement*

Replacement Mechanical Fuel Pump for Mercruiser – Fits Various GM V8 Big Block Engines with Flange I.D.# M60601

Gasket Included

**Replaces:**  
MERCURY  
97399  
97399A2  
812454A1  
812454A3  
862048A1



**PH500-M016**

*Mercury OE Replacement*

Replacement Mechanical Fuel Pump for Mercruiser – Fits GM V8 Big Block Engines where the Fuel Pump is Mounted on the Raw Water Pump

Gasket Included

**Replaces:**  
MERCURY  
861677T  
818383T



**PH500-M017**

*Crusader OE Replacement*

Replacement Mechanical Fuel Pump for Crusader – Fits GM V8 Big Block 454 7.4L 350 Engines with Flange I.D.# 60502

Gasket Included

**Replaces:**  
CRUSADER  
97843



**PH500-M018**

*Mercury / Yamaha Aftermarket Replacement*

Replacement High Pressure Electric Fuel Pump for Mercruiser 4.3L-8.2L, Mercury / Mariner & Yamaha 225-300HP Outboards

Pump is Installed in the VST Tank

Accessories & Filter Included

**Replaces:**  
MERCURY  
808505, 808505T,-T01  
809088T, 809088T1  
827682, 827682T  
YAMAHA  
65L-13907-00-00





**PH500-M019**

*Yamaha Aftermarket Replacement*

Replacement Electric Fuel Pump for Yamaha – Fits 99-05 150-250HP 4-Stroke Outboard Engines

Accessories & Filter Included

**Replaces:**  
YAMAHA  
66K-13907-00-00  
67H-13907-00-00



**PH500-M020**

*Yamaha Aftermarket Replacement*

Replacement Electric Fuel Pump for Yamaha – Fits 99-05 150-250HP 4-Stroke Outboard Engines

Filter Not Included

**Replaces:**  
YAMAHA  
66K-13907-00-00  
67H-13907-00-00



**PH500-M021**

*Yamaha Aftermarket Replacement*

Replacement Electric Fuel Pump for Yamaha Fits 01-On F115 & LF115 4-Stroke Outboard Engines

Wire Harness & Filter Included

**Replaces:**  
YAMAHA  
68V-13907-00-00  
68V-13907-01-00  
68V-13907-02-00  
68V-13907-03-00



**PH500-M022**

*Yamaha Aftermarket Replacement*

Replacement Electric Fuel Pump for Yamaha Fits 00-On 150-200HP LZ, V, VZ, & Z EFI Outboard Engines

Accessories & Filter Included

**Replaces:**  
YAMAHA  
68F-13907-00-00  
68F-13907-01-00



**PH500-M023**

*Yamaha Aftermarket Replacement*

Replacement High Pressure Electric Fuel Pump for Yamaha – Fits 03-On 200-300HP LZ, VZ, & Z EFI Outboard Engines

Pump is Installed in the VST Tank

Accessories & Filter Included

**Replaces:**  
YAMAHA  
60V-13907-00-00



**PH500-M024**

*Mercury / OMC / Suzuki Aftermarket Replacement*

Replacement High Pressure Electric Fuel Pump for Mercury / Mariner 04-06 115HP EFI OMC 03-06 90-140HP & Suzuki 01-On 90-175HP DF 4-Stroke Engines

Pump is Installed in the VST Tank

Wire Harness & Filter Included

**Replaces:**  
MERCURY  
880889T01  
OMC  
5033702  
SUZUKI  
15200-90J00, 15200-96J00



**PH500-M025**

*Mercury / Yamaha Aftermarket Replacement*

Replacement Electric Fuel Pump for Mercury 04-06 225HP Engines & Yamaha 02-On 200-250HP F & LF Fuel Injection Pumps

**Replaces:**

- MERCURY
- 888251T
- 888251T01
- 888251T02
- YAMAHA
- 69J-24410-00-00
- 69J-24410-01-00
- 69J-24410-02-00



**PH500-M028**

*Mercury OE Replacement*

Replacement High Pressure Electric Fuel Pump for Mercury / Mariner - Fits 02-06 3 & 4 Cyl 30-60HP EFI 4-Stroke Outboard Engines

Pump is Installed in the VST Tank

Mounting Accessories Included

**Replaces:**

- MERCURY
- 883202A1
- 883202A02
- 883202T1
- 883202T02



**PH500-M026**

*Mercury OE Replacement*

Replacement Low Pressure Electric Lift Pump for Mercury / Mariner - Fits 75-115HP EFI & Verado 4 and 6 Cylinder 135-300HP 4-Stroke Outboard Engines

Pump is Installed in the VST Tank

Mounting Accessories Included

**Replaces:**

- MERCURY
- 880596T58



**PH500-M029**

*Mercury / Yamaha Aftermarket Replacement*

Replacement High Pressure Electric Fuel Pump for Mercury / Mariner - Fits 05-06 75-100HP & Yamaha 05-On 50-90HP F & T Series 4-Stroke Outboard Engines

Pump is Installed in the VST Tank

Accessories Included

**Replaces:**

- MERCURY
- 880889T02
- 8M0065218
- YAMAHA
- 6C5-13907-00-00



**PH500-M027**

*Mercury OE Replacement*

Replacement Electric Fuel Pump for Mercury / Mariner - Fits 75-300HP DFI Optimax Outboard Engines

Pump is Installed in the VST Tank

Mounting Accessories Included

**Replaces:**

- MERCURY
- 888733T1
- 888733T02



**PH500-M030**

*OMC / Volvo OE Replacement*

Replacement Low Pressure Electric Fuel Pump for OMC & Volvo Penta - Fits 92-98 Carbureted Motors and Used as a Lift Pump on TBI & MPI

**Replaces:**

- OMC & VOLVO
- 3850810
- 3850818
- 3854062
- 3857985
- 3858714



**PH500-M031**

*OMC / Volvo OE Replacement*

Replacement Low Pressure Electric Fuel Pump for OMC & Volvo Penta - Fits 93-94 Ford 5.0L & 5.8L Fuel Injected Engines and 95-01 GM 5.7L, 7.4L, and 8.2L Engines with MPI

**Replaces:**  
OMC & VOLVO  
3854280  
3855958  
3857650



**PH500-M034**

*OMC Aftermarket Replacement*

Replacement Fuel Pump for OMC Fits 68-98 20-140HP non VRO Outboard Engines

Large Fitting

**Replaces:**  
OMC  
382354, 385781  
388268, 394543  
395713, 398338  
398387, 432451  
433387, 438556  
777735



**PH500-M032**

*OMC Aftermarket Replacement*

Replacement Fuel Pump for OMC Fits 68-92 4.5-25HP Outboard Engines

**Replaces:**  
OMC  
382875, 386834  
388685, 391638  
394789, 395090  
395091, 397274  
397275, 397839  
397845, 765597  
777750



**PH500-M035**

*OMC Aftermarket Replacement*

Replacement Fuel Pump for OMC Fits 90-05 20-35HP Outboard Engines

1 Small Fitting  
& 1 Large Fitting

**Replaces:**  
OMC  
433386  
438555  
777764



**PH500-M033**

*OMC Aftermarket Replacement*

Replacement Fuel Pump for OMC Fits 97-07 9.9-15HP Outboard Engines

Small Fitting

**Replaces:**  
OMC  
438562  
777779



**PH500-M036**

*OMC Aftermarket Replacement*

Replacement Fuel Pump for OMC Fits 68-05 6-235HP Outboard Engines

2 Large Fittings

**Replaces:**  
OMC  
381600, 382843  
382872, 383765  
385784, 393648  
394716, 395107  
395712, 395718  
398385, 398678  
433390, 438559  
765591





**PH500-M037**

*Crusader / Mercury / OMC OE Replacement*

Replacement Mechanical Fuel Pump for Mercruiser, OMC, & Crusader Models Using GM In-line 4 & 6 Cylinder 153, 230, 250, 292 Engines with Flange I.D.# 6790 & M3530

Gasket Included

**Replaces:**  
CRUSADER  
32722  
MERCURY  
32722



**PH500-M038**

*OMC Aftermarket Replacement*

Replacement Mechanical Fuel Pump for OMC Models Using GM V6 225, PB-V215 Engines with Flange I.D.# 40001 & M3643

Gasket Included

**Replaces:**  
GM  
6414989  
OMC  
380986



**PH500-M039**

*Chris Craft / Crusader / Owens / Univ. Replacement*

Replacement Universal Mechanical Fuel Pump for Chris Craft, Crusader, & Owens Inboard models using GM V8 283, 307, 327, 350, 409 Engines with Flange I.D.# 40155 & M3120

Gasket Included



**PH500-M040**

*Mercury Aftermarket Replacement*

Replacement Mechanical Fuel Pump for Mercruiser Models Using GM V8 283, 350, 396, 409, 427 Engines with Flange I.D.# 40639

Gasket Included

**IMAGE UNAVAILABLE**

**PH500-M041**

*OMC Aftermarket Replacement*

Replacement Mechanical Fuel Pump for OMC Models Using GM V8 307, 350 Engines with Flange I.D.# 40778

Gasket Included

**Replaces:**  
OMC  
980890

**IMAGE UNAVAILABLE**

**PH500-M042**

*Chrysler OE Replacement*

Replacement Mechanical Fuel Pump for Chrysler Models Using GM V8 273, 318, 340, 360 Engines with Flange I.D.# 40781 & M6866

Gasket Included

**Replaces:**  
CHRYSLER  
1736073  
2279913  
2495527





**PH500-M043**

*Chris Craft / Mercury / OMC Aft. Replacement*

Replacement Mechanical Fuel Pump for Mercruiser, OMC, & Chris Craft Models Using GM Small Block V8 305, 350, 400 Engines with Flange I.D.# 41412 & M73018

Gasket Included

**Replaces:**  
CHRIS CRAFT  
16.83-08758  
FI8308762



**PH500-M046**

*Crusader / OMC / Volvo Aftermarket Replacement*

Replacement Mechanical Fuel Pump for Crusader, OMC, and Volvo Models Using GM V8 305, 307, 350, 400 Including 5.7L Engines with Flange I.D.# 41415 & M6948

Gasket Included

**Replaces:**  
OMC  
778122  
981650  
VOLVO  
3853792  
3855276



**PH500-M044**

*Commander / Ford / Mercury OE Replacement*

Replacement Mechanical Fuel Pump for Mercruiser, Commander, & Ford Models Using Ford V8 302, 351 Engines with Flange I.D.# 41413 & M6696

Gasket Included



**PH500-M047**

*Crusader Aftermarket Replacement*

Replacement Mechanical Fuel Pump for Crusader Models Using GM V8 305, 350, 400 Engines with Flange I.D.# 41417 & M73019

Gasket Included

**Replaces:**  
CRUSADER  
21140  
97405



**PH500-M045**

*Crusader / Mercury / OMC / PCM Replacement*

Replacement Mechanical Fuel Pump for Mercruiser, OMC, Crusader, and Pleasurecraft Models Using Ford V8 302, 351 Engines with Flange I.D.# 41414

Gasket Included

**Replaces:**  
MERCURY  
62092  
62092T  
OMC  
509396  
982063



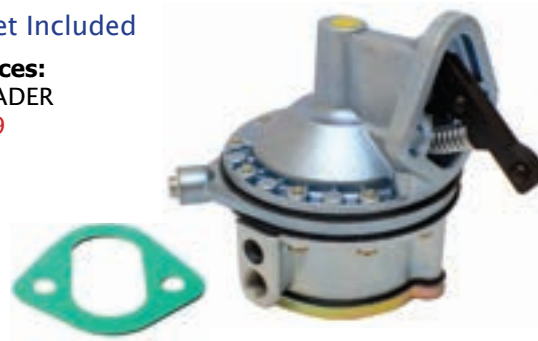
**PH500-M048**

*Chris Craft / Crusader Aftermarket Replacement*

Replacement Mechanical Fuel Pump for Chris Craft & Crusader Models Using GM V8 283, 305, 350, 400 Engines with Flange I.D.# 41419 & M73020

Gasket Included

**Replaces:**  
CRUSADER  
97039



**PH500-M049**

*OMC Aftermarket Replacement*

Replacement Mechanical Fuel Pump for OMC 79-On Using GM Big Block 454 CID Engines with Flange I.D.# 41420

Gasket Included

**Replaces:**  
OMC  
982228

**IMAGE  
UNAVAILABLE**

**PH500-M052**

*Chris Craft/Indmar/Mercury/OMC Replacement*

Replacement Mechanical Fuel Pump for Chris Craft, Indmar, Marine Power, as well as Mercruiser & OMC Models Using GM 4 & 6 Cylinder 153, 181, 224, 225, 250 Engines with Flange I.D.# 60032

Gasket Included

**Replaces:**  
MERCURY  
86234A4  
86234A05  
OMC  
509395  
982240  
985602  
985603



**PH500-M050**

*Mercury / OMC Aftermarket Replacement*

Replacement Mechanical Fuel Pump for Mercruiser & OMC 1982 and Earlier Using GM Small Block V8 305, 350, 427, 454 Engines with Flange I.D.# 41421

Gasket Included

**Replaces:**  
MERCURY  
86246  
86246T  
OMC  
509409

**IMAGE  
UNAVAILABLE**

**PH500-M053**

*OMC Aftermarket Replacement*

Replacement Mechanical Fuel Pump for OMC Models Using GM V8 307, 350 Engines with Flange I.D.# M4335

Gasket Included

**Replaces:**  
OMC  
381764

**IMAGE  
UNAVAILABLE**

**PH500-M051**

*Mercury / OMC Aftermarket Replacement*

Replacement Mechanical Fuel Pump for Mercruiser & OMC Models Using GM Big Block V8 427, 454 Engines with Flange I.D.# 41422

Gasket Included

**Replaces:**  
MERCURY  
46860  
63196  
78820  
86247  
86247A2  
86247T  
OMC  
509410



**PH500-M054**

*Volvo Aftermarket Replacement*

Replacement Mechanical Fuel Pump for Volvo Models Using GM V8 305, 350 Engines with Flange I.D.# 6973

Gasket Included

**Replaces:**  
VOLVO  
826493  
826493-9



**PH500-M055**

*Mercury / OMC Aftermarket Replacement*

Replacement Mechanical Fuel Pump for Mercruiser & OMC Models 83-On Using GM 4 Cylinder 3.0L 181, 3.7L 224 Engines with Flange I.D.# 60337

Gasket Included

**Replaces:**  
 MERCURY  
 42725A3  
 861676A1  
 8M0073435  
 OMC  
 509407

**IMAGE  
 UNAVAILABLE**

**PH500-M058**

*OMC OE Replacement*

Replacement Mechanical Fuel Pump for OMC Models Using GM V6 4.3L 262 Engines with Flange I.D.# 60201

Gasket Included

**Replaces:**  
 OMC  
 778131  
 982997



**PH500-M056**

*Hardin / Mercury / OMC OE Replacement*

Replacement Mechanical Fuel Pump for Hardin, Mercruiser & OMC Models Using GM V6 231, 262 Engines with Flange I.D.# M60315

Gasket Included

**Replaces:**  
 MERCURY  
 41141A2  
 862077A1  
 OMC  
 509408



**PH500-M059**

*Mercury OE Replacement*

Replacement Electric Fuel Pump for Mercury / Mariner – Fits 98-10 110-225HP Many DFI Outboard Engines

Pump is Installed in the VST Tank

Mounting Accessories Included

**Replaces:**  
 MERCURY  
 855427A1



**PH500-M057**

*Volvo Aftermarket Replacement*

Replacement Mechanical Fuel Pump for Volvo XP Stern Drive Engines with Flange I.D.# 60029

Gasket Included

**Replaces:**  
 VOLVO  
 841161  
 841161-3



**PH500-M060**

*Mercury OE Replacement*

Replacement Electric Fuel Pump for Mercury / Mariner – Fits 02-09 2.5L & 3.0L 150-300HP EFI Outboard Engines

Pump is Installed in the VST Tank

Mounting Accessories Included

**Replaces:**  
 MERCURY  
 881705T1





**PH500-M061**

*Mercury OE Replacement*

Replacement High Pressure Electric Fuel Pump for Mercury / Mariner 03-10 75-300HP DFI Outboard Engines

Pump is Installed in the VST Tank

Mounting Accessories Included

**Replaces:**  
MERCURY  
888725T1  
888725T02



**PH500-M064**

*OMC / Volvo OE Replacement*

Replacement Mechanical Fuel Pump for OMC & Volvo Models Using Ford V8 302, 351 Engines

Gasket Included

**Replaces:**  
OMC  
987024  
3854053  
VOLVO  
3854053



**PH500-M062**

*Mercury OE Replacement*

Replacement Low Pressure Electric Fuel Pump for Mercruiser Models Using GM V8 Engines with Gen III Cool Fuel Module

Mounting Accessories Included

**Replaces:**  
MERCURY  
866170A01



**PH500-M065**

*Yamaha Aftermarket Replacement*

Replacement Electric Fuel Pump for Yamaha Fits 04-On 150HP F, FL, & LF Series 4-Stroke Outboard Engines

Pump is Installed in the VST Tank

Mounting Accessories Included

**Replaces:**  
YAMAHA  
63P-13907-00-00  
63P-13907-01-00  
63P-13907-02-00  
63P-13907-03-00



**PH500-M063**

*Mercury Aftermarket Replacement*

Replacement High Pressure Electric Fuel Pump for Mercruiser Models Using GM V8 Engines with Gen III Cool Fuel Module

Mounting Accessories Included

**Replaces:**  
MERCURY  
866169A01  
866169T01



**PH500-M066**

*Yamaha Aftermarket Replacement*

Replacement Electric Fuel Pump for Yamaha Fits 06-On V8 300-350HP F, FL, & LF Series 4-Stroke Outboard Engines

Pump is Installed in the VST Tank

Wire Harness Included

**Replaces:**  
YAMAHA  
6AW-13907-00-00  
6AW-13907-10-00





**PH500-M067**

*Yamaha Aftermarket Replacement*

Replacement Electric Fuel Pump for Yamaha Fits 06-On 225-300HP F, FL, LF, & VF Series 4-Stroke Outboard Engines

Pump is Installed in the VST Tank

Accessories Included

**Replaces:**

YAMAHA

6CB-13907-00-00

6CB-13907-10-00

**IMAGE UNAVAILABLE**

**PH500-M070**

*Mercury Aftermarket Replacement*

Replacement Electric Fuel Pump for Mercury / Mariner 98-10 110-250HP Outboard Engines

Pump is Mounted on Bracket Outside of the VST Tank

**Replaces:**

MERCURY

855843-2

8M0047624



**PH500-M068**

*Yamaha Aftermarket Replacement*

Replacement Electric Fuel Pump for Yamaha Fits 06-On 200-350HP F, FL, LF, & VF Series 4-Stroke Outboard Engines

Wire Harness Included

**Replaces:**

YAMAHA

6CB-24410-00-00



**PH500-M071**

*OMC / Suzuki Aftermarket Replacement*

Replacement Electric Fuel Pump for OMC 01-06 40-70HP Outboards & Suzuki 98-10 40-70HP DF Series Outboard Engines

Pump is Installed in the VST Tank

Wire Harness & Filter Included

**Replaces:**

OMC

5032617

SUZUKI

15200-87J00

15200-87J10

15200-99E00



**PH500-M069**

*Yamaha Aftermarket Replacement*

Replacement Electric Fuel Pump for Yamaha Fits 2005 250HP F & LF Series & 06-On 225-250HP F & LF Series 4-Stroke Outboard Engines

Pump is Installed in the VST Tank

Wire Harness Included

**Replaces:**

YAMAHA

6P2-13907-00-00



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**PH400-0001**

*Mercury Aftermarket Replacement*

Replacement Stator for Mercury / Mariner  
Fits 72-83 40HP 2 Cylinder Engines

Used on Electric  
Start Models  
Only

**Replaces:**  
MERCURY  
398-5255



**PH400-0004**

*Mercury Aftermarket Replacement*

Replacement Stator for Mercury / Mariner  
Fits 78-93 135, 150, 175, 200, & 220HP  
6 Cylinder Outboard Engines

**Replaces:**  
MERCURY  
398-5454A35



**PH400-0002**

*Mercury Aftermarket Replacement*

Replacement Stator for Mercury / Mariner  
Fits 94-06 30-125HP Outboard Engines

Some Applications  
may also Require  
the Purchase of a  
Voltage Regulator  
if not Currently  
Equipped

**Replaces:**  
MERCURY  
398-832075A4  
398-832075A21



**PH400-0005**

*Mercury Aftermarket Replacement*

Replacement Stator for Mercury / Mariner  
Fits 84-86 75HP 4 Cylinder  
Outboard Engines

**Replaces:**  
MERCURY  
398-5454A26



**PH400-0003**

*Mercury Aftermarket Replacement*

Replacement Stator for Mercury / Mariner  
Fits 84-88 90, 115 & 140HP  
6 Cylinder Outboard Engines

**Replaces:**  
MERCURY  
398-5454A17

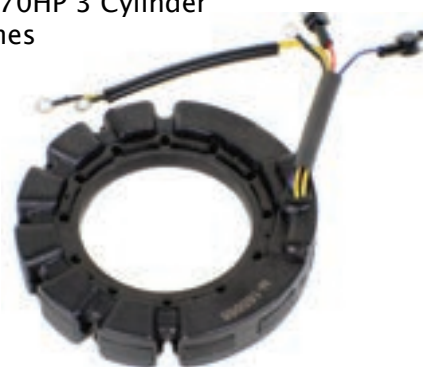


**PH400-0006**

*Mercury Aftermarket Replacement*

Replacement Stator for Mercury / Mariner  
Fits 80-90 50-70HP 3 Cylinder  
Outboard Engines

**Replaces:**  
MERCURY  
398-5704A7



**PH400-0007**

*Mercury Aftermarket Replacement*

Replacement Stator for Mercury / Mariner  
Fits 76-88 150-225HP V6 Outboard  
Engines

Used in Certain  
Applications  
Without a Voltage  
Regulator

**Replaces:**  
MERCURY  
398-5454A7



**PH400-0010**

*OMC Aftermarket Replacement*

Replacement 35 Amp Stator for OMC  
Fits 91-06 150-175HP 6 Cylinder  
Outboard Engines

**Replaces:**  
OMC  
584109  
584981  
763759



**PH400-0008**

*Mercury Aftermarket Replacement*

Replacement Stator for Mercury / Mariner  
Fits 94-98 15-25HP 2 Cylinder  
Outboard Engines

**Replaces:**  
MERCURY  
86617A20



**PH400-0009**

*OMC Aftermarket Replacement*

Replacement 35 Amp Stator for OMC  
Fits 93-01 185-300HP V6 & V8  
Outboard Engines

**Replaces:**  
OMC  
584643  
763779





**PH600-0001**

*Chrysler Aftermarket Replacement*

Replacement Water Pump for Chrysler Fits Small Block V8 273, 318, 340, 360 CID Engines

**Replaces:**  
 CHRYSLER  
 3004886  
 3619542  
 3619859  
 3745985



**PH600-0004**

*GM Aftermarket Replacement*

Replacement Water Pump for Mercruiser, OMC, & Volvo Models Using GM In-line 4 & 6 Cylinder 153, 181, 250, 292 Engines

**Replaces:**  
 VOLVO  
 3854017  
 3858340  
 OMC  
 380640, 984360  
 986779, 3854017  
 3858340  
 MERCURY  
 33957, 37369, 52353, 65142, 65142A1  
 814755, 880817, 880817R04, 884727  
 884727001, FI1100785, FI1101079  
 F2774666



**PH600-0002**

*GM Aftermarket Replacement*

Replacement Water Pump for Crusader, PCM, Mercruiser, OMC, Volvo, & Other Models Using GM Big Block V8 427, 454, 502 Engines

**Replaces:**  
 CRUSADER  
 17670, 30103  
 67859, 811573  
 PLEASURECRAFT  
 RA057019  
 VOLVO  
 856609  
 3855991  
 MERCURY  
 17670, 67859, 811573, 850454-1  
 OMC  
 983296, 986074, 987447, 3854118, 3855991



**PH600-0005**

*GM Aftermarket Replacement*

Replacement Water Pump for Crusader, OMC, Mercruiser, Volvo, & Other Models Using GM V6 & Small Block V8 262, 305, 350, 377 Engines

**Replaces:**  
 CRUSADER  
 20318, 7142520  
 VOLVO  
 835390-6  
 856364-5  
 3853850  
 MERCURY  
 17437, 60658,  
 811841, 850399, 850399-1  
 OMC  
 382218, 509355, 980477  
 985429, 3853850



**PH600-0003**

*GM Aftermarket Replacement*

Replacement Water Pump for Crusader, Mercruiser, & Volvo Models Using GM Big Block V8 8.1L 496 Engines

**Replaces:**  
 CRUSADER  
 RA057030  
 MERCURY  
 883514  
 883925  
 VOLVO  
 3861431



**PH600-0006**

*Ford Aftermarket Replacement*

Replacement Water Pump for Pleasurecraft, Mercruiser, OMC, & Volvo Models Using Ford Small Block V8 302, 351 Engines

**Replaces:**  
 PLEASURECRAFT  
 RA057004  
 VOLVO  
 3853796  
 MERCURY  
 71683, 71683A1  
 883885  
 OMC  
 982515, 982517  
 3853796





**PH375-0001**

*Delco Aftermarket Replacement*

Replacement Delco 12 Volt 10MT Standard Long Solenoid Complete with Spring & Hardware

Fits PH140-0011, PH140-0011-CCW  
PH140-0012, PH140-0012-CCW

**Replaces:**

DELCO  
D975, D981, D1145  
1114536, 1114458  
CHRYSLER  
33202630, 33205022  
8130938, 38130938  
DR-2302  
MERCURY  
13037, 33261, 60687  
89902, 2733261, 8733261



**PH375-0004**

*Delco Aftermarket Replacement*

Replacement Delco 12 Volt 5MT Standard Short Solenoid Complete with Spring & Hardware

Fits PH140-0013, PH140-0013-CCW  
PH140-0015, PH140-0015-CCW

**Replaces:**

DELCO  
D983, 1114531  
MERCURY  
33261, 89-18080  
89-99253  
OMC  
985799, 986620  
3853869, 3853998, 3854000  
VOLVO  
3853869, 3853998, 3854000



**PH375-0002**

*Delco Aftermarket Replacement*

Replacement Delco 12 Volt Early Style Oval Face Solenoid for 40MT & 50MT Starters

**Replaces:**

DELCO  
1119835  
1119853  
1119879  
1119897  
FORD  
SW1287  
SZ667  
C3TZ-11390-A  
CATERPILLAR  
2N1973  
7L6586



**PH375-0005**

*Mando Aftermarket Replacement*

Replacement Mando Style PG260 12 Volt Solenoid with 2 Screw Mount

Fits PH140-0016-HT  
& PH140-0017-HT  
Mando Starters Only

**Replaces:**

ARCO  
SW450



**PH375-0003**

*Delco Aftermarket Replacement*

Replacement Delco 24 Volt Early Style Oval Face Solenoid for 40MT & 50MT Starters

**Replaces:**

DELCO  
1115526  
1119804  
1119832  
1119848  
1119849  
FORD  
C4TZ-11390-A  
CATERPILLAR  
4M1812  
4R7057  
7T8858



**PH375-0006**

*Delco Aftermarket Replacement*

Replacement Delco 12 Volt Late Style Square Face Solenoid for 40MT & 50MT Starters

**Replaces:**

DELCO  
1115556  
1115606  
FORD  
SW1720  
E1HZ-11390-A  
CATERPILLAR  
2N1973  
3T5045  
7L6586  
9X8236  
CUMMINS  
3603870RX  
3604230RX



**PH375-0007**

*Delco Aftermarket Replacement*

Replacement Delco 24 Volt Late Style Square Face Solenoid for 40MT & 50MT Starters

**Replaces:**

- CUMMINS
- 3603869RX
- 3604231RX
- DELCO
- 1115557
- 1115607
- 10456391
- FORD
- SW1723, SW1724
- E1HZ-11390-B
- CATERPILLAR
- 1P9181, 3T3421, 3T4704, 3T8633, 4M1813
- 6N5123, 7N9236, 8L5071, 8L5091, 9X0332



**PH375-0010**

*Ford Aftermarket Replacement*

Replacement Ford 12 Volt Solenoid for PMGR Starters – Fits OMC & Volvo Marine Applications with Bolt S-Terminal

Fits Ford PH140-0004 & PH140-0004-CCW

**Replaces:**

- FORD
- SW5112
- SW5203
- F6VZ-11390-AA
- OMC
- 987883
- 3854194
- VOLVO
- 3854194-2



**PH375-0008**

*Delco Aftermarket Replacement*

Replacement Delco 12 Volt Solenoid for PG260 PMGR Starters – Fits Mercury, OMC, & Volvo Marine Applications

Fits Delco PH140-0017/-D/-HD & PH140-0020/-D/-HD Models

**Replaces:**

- MERCURY
- 809463A1
- OMC
- 3850216
- VOLVO
- 3859054



**PH375-0011**

*Mercury / OMC Aftermarket Replacement*

Replacement 12 Volt Isolated Base Solenoid Fits Mercury & OMC Applications

**Replaces:**

- MERCURY
- 25661
- 25661-1
- 25661T1
- OMC
- 508905



**PH375-0009**

*Ford Aftermarket Replacement*

Replacement Ford 12 Volt Solenoid for PMGR Starters – Fits OMC & Volvo Marine Applications with Clip S-Terminal

Fits Ford PH140-0004 & PH140-0004-CCW

**Replaces:**

- FORD
- SW2188, SW2245
- E90Z-11390-A
- OMC
- 987883
- 3854194
- VOLVO
- 3854194-2



**PH375-0012**

*Mercury / OMC Aftermarket Replacement*

Replacement 12 Volt Isolated Base Solenoid Fits Mercury & OMC Applications

**Replaces:**

- MERCURY
- 47886
- 47886T
- OMC
- 380095
- 383622
- 389398
- 389493
- 395419
- 582708
- 586180



**PH375-0013**

*Volvo Aftermarket Replacement*

**PH375-0013-OE**

*Volvo OE Replacement*

Replacement Valeo 12 Volt Solenoid for Volvo Penta Diesel Starter

Fits PH150-0007 & PH150-0007-OE

**Replaces:**

- VALEO
- 102295
- 184227
- 594054
- VOLVO
- 859618
- 859618-1



**PH375-0014**

*Delco Aftermarket Replacement*

Replacement Delco 12 Volt Solenoid for PG200 & PG250 PMGR Starters

**Replaces:**

- DELCO
- 1114580
- 1114581
- 10467985



**PH375-0015**

*Delco Aftermarket Replacement*

Replacement Delco 12 Volt Solenoid for 28MT Starters – Fits Cummins, Peninsular, & Nikko Applications

Fits PH150-0008

**Replaces:**

- DELCO
- 10456454
- NIKKO
- 0-47100-4100
- 0-47100-4160
- 0-47100-4390



**PH375-0016**

*Delco Aftermarket Replacement*

Replacement Delco 12 Volt Solenoid for 42MT Starters with 3 Bolt Mount

**Replaces:**

- DELCO
- 1115593
- 1115645
- 10456393
- CUMMINS
- 3604649RX
- FORD
- SW2195
- E6HZ-11390-C



**PH375-0017**

*Delco Aftermarket Replacement*

Replacement Delco 12/24 Volt Double Stage Series Parallel Switch

**Replaces:**

- DELCO
- 1119845
- 1119845A
- 1119899
- CATERPILLAR
- 9L4590
- CUMMINS
- 144202
- 3603872RX



**PH375-0018**

*Delco Aftermarket Replacement*

Replacement Delco 12/24 Volt Triple Stage Series Parallel Switch

**Replaces:**

- DELCO
- 1119844
- 1119844A
- CUMMINS
- 3603871RX





**PH375-0019**

*Delco Aftermarket Replacement*

Replacement Delco 12/24 Volt Single Stage Series Parallel Switch

**Replaces:**

- DELCO
- 1115506
- 1118121
- 1119775
- 1119865
- 1119866
- 1119928
- 1119929
- 1119943
- CATERPILLAR
- 5F7739, 6L865
- 6L2507, 7M866
- 7M4291, 7N3621



**PH375-0022**

*Universal Aftermarket Replacement*

Replacement Universal 36 Volt Continuous Duty Solenoid with Copper Contacts

**Replaces:**

- PRESTOLITE
- 15-242
- 15-243
- SAS4302



**PH375-0020**

*Universal Aftermarket Replacement*

Replacement Universal 12 Volt Continuous Duty Solenoid with Copper Contacts

**Replaces:**

- CHRYSLER
- 3635820
- DELCO
- 1114214
- 1114217
- 1114218
- 1114223
- 1114227
- 1114534
- 1118820
- FORD
- SWX88
- PRESTOLITE
- 15-132, 15-133, SAS4201



**PH375-0023**

*Delco Aftermarket Replacement*

Replacement Delco 24 Volt Solenoid for 42MT Starters with 3 Bolt Mount

**Replaces:**

- DELCO
- D901A, D912A
- 1115594
- 1115595
- 1115601
- 1115604
- 1115605
- 1115608
- CUMMINS
- 3604650RX
- CATERPILLAR
- 7T0258, 7X1955, 9X9511



**PH375-0021**

*Universal Aftermarket Replacement*

Replacement Universal 24 Volt Continuous Duty Solenoid with Copper Contacts

**Replaces:**

- DELCO
- 1114239
- 1114536



**PH375-0024**

*Universal Aftermarket Replacement*

Replacement Universal 12 Volt Continuous Duty Solenoid with Silver Contacts

**Replaces:**

- DELCO
- 1114208
- PRESTOLITE
- 15-88
- SWX-88





**PH375-0025**

*Universal Aftermarket Replacement*

Replacement Universal 24 Volt Continuous Duty Solenoid with Silver Contacts

**Replaces:**

DELCO  
1114239  
1114536



**PH375-0026**

*Universal Aftermarket Replacement*

Replacement Universal 36 Volt Continuous Duty Solenoid with Silver Contacts

**Replaces:**

PRESTOLITE  
15-242  
15-243  
SAS4302



**PH375-0027**

*Mercury / OMC / PCM / Volvo Aft Replacement*

Replacement 12 Volt Grounded Base Solenoid Fits Mercury, OMC, PCM, & Volvo Applications

**Replaces:**

MERCURY  
89-76416A1  
OMC  
586730, 586842  
778209, 980801  
981703, 982189  
985064, 385389  
PLEASURECRAFT  
R130001  
VOLVO  
3853839  
3853839-3



**PH375-0028**

*Mercury / Volvo Aftermarket Replacement*

Replacement 12 Volt Isolated Base Solenoid Fits Mercury & Volvo Applications

**Replaces:**

MERCURY  
89-68258  
89-68258A4  
89-853654A1  
PRESTOLITE  
15-375  
15-400  
SAZ4201AHY  
SAZ5201AHY  
VOLVO  
852565  
852565-1



**PH375-0029**

*OMC Aftermarket Replacement*

Replacement 12 Volt Grounded Base Solenoid Fits Mercury & OMC Applications

**Replaces:**

MERCURY  
802141  
OMC  
584128  
778025  
981410  
982187  
985063  
PRESTOLITE  
SAZ4201DDY



**PH375-0030**

*Chrysler / Mercury / OMC Aft Replacement*

Replacement 12 Volt Grounded Base Solenoid Fits Chrysler, Crusader, Mercury / Force & OMC Applications

**Replaces:**

CHRYSLER  
177917  
CRUSADER  
9006320  
MERC/FORCE  
803822T  
F177917  
OMC  
778021  
979774



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WEB: [www.protorqueparts.com](http://www.protorqueparts.com)

**PH375-0031**

*Mercury / OMC Aftermarket Replacement*

Replacement 12 Volt Grounded Base Solenoid  
Fits Mercury & OMC Applications

**Replaces:**

- MERCURY
- 65057A1
- 65057T1
- OMC
- 508908
- FORD
- 311006
- SW3
- B6AZ-11450-A



**PH375-0034**

*Mercury / Yamaha Aftermarket Replacement*

Replacement 12 Volt Isolated Base Solenoid  
Fits Mercury / Mariner, Force & Yamaha Applications

**Replaces:**

- MERCURY
- 89-818997A1
- 89-818997A2
- 89-818997T1
- 89-818998A1
- 89-818998A2
- 89-850187A1
- 89-850187T1
- YAMAHA
- 65W-81941-00-00
- 65W-81941-01-00



**PH375-0032**

*Mercury / OMC Aftermarket Replacement*

Replacement 12 Volt Isolated Base Solenoid  
Fits Mercury & OMC Applications

**Replaces:**

- MERCURY
- 802318
- OMC
- 378444
- 777700
- PRESTOLITE
- 15-66, 15-72
- 15-81, 15-95
- 15-150, 15-164
- SWX-72, SAE4003M
- SAW4206M
- SAW4208
- DELCO
- 1114238, 1114537



**PH375-0035**

*Mercury Aftermarket Replacement*

Replacement 12 Volt Isolated Base Solenoid  
Fits Mercury / Mariner Applications

Raised Mount

**Replaces:**

- MERCURY
- 89-818864
- 89-818864T



**PH375-0033**

*Mercury / OMC Aftermarket Replacement*

Replacement 12 Volt Isolated Base Solenoid  
Fits Mercury & OMC Applications

**Replaces:**

- MERCURY
- 802139A1
- OMC
- 172869
- 581528
- 777699
- PRESTOLITE
- 15-288
- SAZ4201J



**PH375-0036**

*Mercury Aftermarket Replacement*

Replacement 12 Volt Isolated Base Solenoid  
Fits Mercury / Mariner Applications

**Replaces:**

- MERCURY
- 89-818999A1
- 89-818999T1
- 89-825842A1
- 89-850188A1
- 89-850188T1



**PH375-0037**

*Mercury Aftermarket Replacement*

Replacement 12 Volt Isolated Base Solenoid  
Fits Mercury / Mariner & Force Applications

**Replaces:**

MERCURY

89-817109A1

89-817109A2

89-817109A3



**PH375-0040**

*Sea-Doo Aftermarket Replacement*

Replacement 12 Volt Solenoid for  
Sea-Doo PWC 720-1503CC Engines

**Replaces:**

SEA-DOO

278-000-513

278-001-376

278-001-641

278-001-802

278-002-347

278-003-012



**PH375-0038**

*Mercury Aftermarket Replacement*

Replacement 12 Volt Isolated Base Solenoid  
Fits Mercury / Mariner & Mercruiser  
Applications

Flat Mount

**Replaces:**

MERCURY

89-96054

89-96054T



**PH375-0041**

*Mercury / Yamaha Aftermarket Replacement*

Replacement 12 Volt Solenoid for  
Mercury / Mariner, OMC, Suzuki, & Yamaha  
Outboard Applications – Also Fits Tiger Shark  
PWC & Yamaha PWC & Sportboat Applications

**Replaces:**

MERCURY

89-825096

89-825096T

825096T01

89-8M0098898

OMC

5030783

YAMAHA

6G1-81940-00-00

6G1-81941-10-00

6G1-8194A-10-00



**PH375-0039**

*Mercury Aftermarket Replacement*

Replacement 12 Volt Isolated Base Solenoid  
Fits Mercury / Mariner & Mercruiser  
Applications

Raised Mount

**Replaces:**

MERCURY

89-96158

89-96158T



**PH375-0042**

*Yamaha Aftermarket Replacement*

Replacement 12 Volt Solenoid for  
Yamaha 50-300HP Outboard Applications  
Also Fits 700-1300CC Yamaha PWC  
& Sportboat Applications

**Replaces:**

YAMAHA

68N-81940-00-00

68V-8194A-00-00





**PH375-0043**

*Kawasaki Aftermarket Replacement*

Replacement 12 Volt Solenoid for Kawasaki PWC 87-91 650CC Engines

**Replaces:**  
KAWASAKI  
27010-3705



**PH375-0046**

*Yamaha Aftermarket Replacement*

Replacement 12 Volt Solenoid for Yamaha PWC 04-On 1000, 1100, & 1800CC Engines

**Replaces:**  
YAMAHA  
6B6-81940-00-00



**PH375-0044**

*Kawasaki Aftermarket Replacement*

Replacement 12 Volt Solenoid for Kawasaki PWC 95-03 750-1100CC Engines

**Replaces:**  
KAWASAKI  
27010-3737



**PH375-0047**

*OMC / Suzuki / Yamaha Aft Replacement*

Replacement 12 Volt Solenoid for OMC, Suzuki, & Yamaha Applications

**Replaces:**  
OMC  
5031483  
5032195  
SUZUKI  
38410-94550  
38410-94551  
38410-94552  
41212-93000-Y5T  
YAMAHA  
6E5-81950-00-00  
6E5-81950-01-00



**PH375-0045**

*Kawasaki Aftermarket Replacement*

Replacement 12 Volt Solenoid for Kawasaki PWC 89-12 550-1100CC Engines

**Replaces:**  
KAWASAKI  
27010-3714  
27010-3724  
27010-3760



**PH375-0048**

*OMC / Yamaha Aftermarket Replacement*

Replacement 12 Volt Solenoid for OMC & Yamaha Applications

**Replaces:**  
OMC  
5032197  
YAMAHA  
6E5-8195A-00-00  
6E5-8195A-01-00





**PH375-0049**

*OMC Aftermarket Replacement*

Replacement 12 Volt Solenoid  
Fits OMC E-Tec 09-On 15-300HP  
Engines

**Replaces:**  
OMC  
587020



**PH375-0052**

*Chrysler / Mercury Aftermarket Replacement*

Replacement 12 Volt Isolated Base Solenoid  
Fits Chrysler & Mercury / Force, Crusader & PCM  
Applications

**Replaces:**  
CHRYSLER  
460917-1  
CRUSADER  
22611, R130014  
MERCURY / FORCE  
89-803632T  
F460917  
89-F460917-1  
PLEASURECRAFT  
R130014  
PRESTOLITE  
15-295, 15-457



**PH375-0050**

*OMC Aftermarket Replacement*

Replacement 12 Volt Solenoid  
Fits OMC E-Tec 04-On 25-300HP  
Engines

**Replaces:**  
OMC  
586774  
5009214

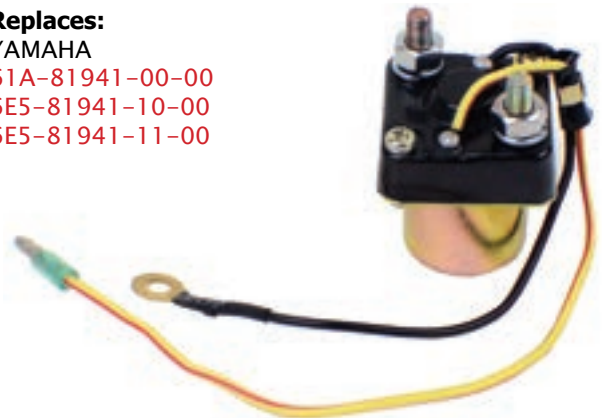


**PH375-0053**

*Yamaha Aftermarket Replacement*

Replacement 12 Volt Solenoid for Yamaha  
Fits 84-On 115-250HP Outboard Applications

**Replaces:**  
YAMAHA  
61A-81941-00-00  
6E5-81941-10-00  
6E5-81941-11-00



**PH375-0051**

*OMC Aftermarket Replacement*

Replacement 12 Volt Solenoid  
Fits OMC 93-On 9.9-15HP Engines

**Replaces:**  
OMC  
584580



**PH350-0001**

*Mercury / OMC Aftermarket Replacement*

Replacement 3-Wire Rectifier for Mercury & OMC Outboard Applications

**Replaces:**

- MERCURY
- 802369
- 802369T
- OMC
- 388955
- 390124
- 580795
- 580841
- 581305
- 581603
- 582307
- 582399
- 777670



**PH350-0002**

*Mercury / OMC Aftermarket Replacement*

Replacement 4-Wire Rectifier for Mercury & OMC Outboard Applications

**Replaces:**

- MERCURY
- 802360
- 802360T
- OMC
- 173692
- 581366
- 581778
- 582304
- 583940
- 777675



**PH350-0003**

*Mercury / OMC Aftermarket Replacement*

Replacement 3-Post Rectifier for Mercury & OMC Outboard Applications

**Replaces:**

- MERCURY
- 62351A1
- 62351A2
- 816770
- 816770T
- 8M0058226
- OMC
- 509219



**PH350-0004**

*Mercury Aftermarket Replacement*

Replacement 5-Wire Rectifier for Mercury / Force Applications – Some OEM Rectifiers Were Grounded at the Case and May Only Have 4 Wires

**Terminal ID:**

- Tach (Gray)
- AC (Yellow)
- B+ (Red Male)
- B- (Black)
- AC (Yellow)

**Replaces:**

- MERCURY
- 815279-4, 815279T4, 815279T5, 8174111
- 8174111-1, 830179A1, 854514A1, 883071
- 883071A1, 883071T, 892114001, 893640003



**PH350-0005**

*Mercury Aftermarket Replacement*

Replacement 6-Wire Rectifier for Mercury / Force & Mariner Outboards & Mercruiser I/O Applications

**Terminal ID:**

- Tach (Gray)
- AC (Yellow)
- Sense (Red Female)
- B+ (Red Male)
- B- (Black)
- AC (Yellow)

**Replaces:**

- MERCURY
- 815279-2, 815279-3, 815279-5, 815279T,
- 830179-2, 830179T, 854515, 854515T1
- 856748, 883072, 883072T, 892115-001
- 892115001, 8M0006034, 8M0084173



**PH350-0006**

*Mercury Aftermarket Replacement*

Replacement 6-Wire Rectifier with Sealed Plugs for Mercury / Mariner Outboards

**Terminal ID:**

- Tach (Gray)
- AC (Yellow)
- Sense (Red Female)
- B+ (Red Male)
- B- (Black)
- AC (Yellow)

**Replaces:**

- MERCURY
- 854514T1, 854515-1, 854515T2, 883071T1
- 883072-1, 883072T1, 883072T2, 892115-002
- 892115002, 893640-001, 893640001, 893640T01
- 893640-002, 893640002, 8M0027324



**PH360-0001**

*OMC Aftermarket Replacement*

Replacement 12 Volt 30 Amp Marine Relay  
Fits OMC Applications

**Replaces:**

- OMC
- 582195
- 582472
- 582473
- 584416
- 586147
- 586224
- 777702



**PH360-0002**

*Volvo Aftermarket Replacement*

Replacement 12 Volt 30 Amp Marine Relay  
Fits Volvo Applications

**Replaces:**

- VOLVO
- 241812
- 853544-5
- 853545-2
- 870670-7
- 872300-9
- 876038-1
- 1324492
- 6643474-7



**PH360-0003**

*Volvo Aftermarket Replacement*

Replacement 12 Volt 30 Amp Marine Relay  
Fits Volvo Applications

**Replaces:**

- VOLVO
- 839367-0
- 876037-3
- 1501832



**PH360-0004**

*Mercury / Volvo Aftermarket Replacement*

Replacement 12 Volt 30 Amp Marine Relay  
Fits Mercury / Force & Volvo Applications

**Replaces:**

- MERCURY
- 87-803632T
- 87-F660917
- F660917
- VOLVO
- 854357-1, 876040-7
- 1214764



**PH360-0005**

*Volvo Aftermarket Replacement*

Replacement 12 Volt 30 Amp Marine Relay  
Fits Volvo Applications

**Replaces:**

- VOLVO
- 841177-9
- 872272-0



**PH360-0006**

*Mercury Aftermarket Replacement*

Replacement 12 Volt 30 Amp Marine Relay  
Fits Mercury Applications

**Replaces:**

- MERCURY
- 87-18211
- 879058



**PH360-0007**

*Volvo Aftermarket Replacement*

Replacement 12 Volt 30 Amp Marine Relay  
Fits Volvo Applications

**Replaces:**

- VOLVO
- 831725-7
- 876039-9
- 1504952-1



**PH360-0008**

*Mercury Aftermarket Replacement*

Replacement 12 Volt 30 Amp Marine Relay  
Fits Mercury Applications

**Replaces:**

- MERCURY
- 828151
- 828151A1
- 882751A1





**PH365-0001**

*Delco Aftermarket Replacement*

Replacement Spark Arresting Cover for Delco 10SI Style Alternators

Fits PH300-0013, PH300-0013-HO  
PH300-0022, PH300-0022-HO

**Replaces:**  
DELCO  
1851178  
1985495



**PH365-0002**

*Delco Aftermarket Replacement*

Replacement Spark Arresting Screens for Delco 10SI Style Alternators

Fits All Delco 10SI Alternators

**Replaces:**  
DELCO  
1976482



**PH365-0003**

*Mercury Aftermarket Replacement*

Replacement 110 Amp Fuse Assembly Fits Mercury Applications

**Replaces:**  
MERCURY  
88-79023A10  
88-79023T10



**PH365-0004**

*Delco Aftermarket Replacement*

Replacement Delco Zinc Plated Bolt Kit Used When Installing PMGR Starters with Straight Across Bolt Pattern

Fits PH140-0020, PH140-0020-D  
PH140-0020-HD



**PH365-0005**

*Delco Aftermarket Replacement*

Replacement Delco Zinc Plated Bolt Kit Used When Installing PMGR Starters with Staggered Across Bolt Pattern

Fits PH140-0016-HT, PH140-0017  
PH140-0017-D, PH140-0017-HD  
PH140-0017-HT



**PH365-0006**

*Delco Aftermarket Replacement*

Replacement Stainless Steel Extension Stud Screws Directly onto Existing Solenoid on PMGR Starters to Provide Additional Mounting Space for Solenoid Wiring

Fits All Delco  
PMGR Models





**PH365-0007**

*Mercury Aftermarket Replacement*

Replacement 90 Amp Fuse Assembly  
Fits Mercury Applications

**Replaces:**

MERCURY

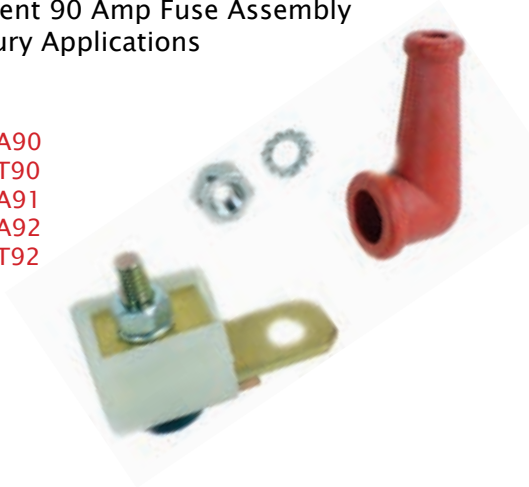
88-79023A90

88-79023T90

88-79023A91

88-79023A92

88-79023T92



**PH365-0008**

*Brush Loading Tool*

Replacement Stainless Steel Outboard Starter  
Brush Loading Tool – Fits Various Size  
Outboard Starter Com-Ends for Easy  
Disassembly & Brush Loading

**Replaces:**

ARCO

SR107



## PART NUMBER CROSS REFERENCE

# PROTORQUE - Part Number Cross Reference

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>AQUA POWER</b>		<b>ARCO</b>		<b>ARCO</b>	
1926	PH300-0010	5384	PH130-0020	6268	PH200-T024
2836	PH130-0040	5385	PH130-0072	6269	PH200-T025
2840	PH130-0039	5386	PH130-0012	6270	PH200-T008
		5387	PH130-0008	6274	PH200-T033
		5388	PH130-0015	6275	PH200-T016
		5389	PH130-0016	6276	PH200-T003
		5390	PH130-0017	6277	PH200-T001
		5391	PH130-0018	6278	PH200-T011
		5392	PH130-0019	6278	PH200-T011-R
		5393	PH130-0047	6279	PH200-T032
		5394	PH130-0022	7325	PH130-0009
		5395	PH130-0023	7326	PH130-0031
		5396	PH130-0024	10110	PH140-0023
		5397	PH130-0025	10111	PH140-0023
		5398	PH130-0026	10112	PH140-0023
		5399	PH130-0027	10113	PH140-0023
		5400	PH130-0066	12200	PH150-0011
		5551	PH130-0069	12205	PH150-0008
		6204	PH200-T009	12213	PH150-0009
		6206	PH200-T020	12351	PH150-0012
		6208	PH200-T052	20102	PH300-0013
		6209	PH200-T013	20104	PH300-0022
		6211	PH200-T074	20500	PH300-0003
		6214	PH200-T051	20800	PH300-0034
		6216	PH200-T031	20810	PH300-0033
		6217	PH200-T026	20815	PH300-0035
		6218	PH200-T015	20820	PH300-0041
		6219	PH200-T015-24V	20821	PH300-0042
		6220	PH200-T014	20822	PH300-0043
		6223	PH200-T028	20825	PH300-0032
		6224	PH200-T034	20826	PH300-0038
		6227	PH200-T017	20827	PH300-0039
		6228	PH200-T049	20828	PH300-0040
		6232	PH200-T007	20830	PH300-0044
		6233	PH200-T012	20840	PH300-0030
		6238	PH200-T004	20850	PH300-0031
		6239	PH200-T021	30116	PH140-0013-CCW
		6240	PH200-T057	30118	PH140-0013
		6241	PH200-T006	30119	PH140-0013
		6242	PH200-T021	30120	PH140-0022
		6243	PH200-T022	30121	PH140-0022
		6244	PH200-T042	30122	PH140-0022-CCW
		6245	PH200-T023	30123	PH140-0022-CCW
		6247	PH200-T061	30124	PH140-0013
		6248	PH200-T072	30129	PH140-0013-CCW
		6250	PH200-T010	30140	PH140-0015
		6255	PH200-T002	30141	PH140-0015-CCW
		6257	PH200-T045	30433	PH140-0017-D
		6258	PH200-T068	30454	PH140-0022
		6259	PH200-T036	30455	PH140-0022-CCW
		6260	PH200-T029	30456	PH140-0022
		6261	PH200-T044	30457	PH140-0022-CCW
		6263	PH200-T069	30459	PH140-0019-CCW
		6264	PH200-T048	30459	PH140-0022-CCW
		6265	PH200-T030	30460	PH140-0020
		6266	PH200-T035	30460	PH140-0020-D
		6267	PH200-T037	30460	PH140-0020-HD



## PART NUMBER CROSS REFERENCE

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
ARCO		ARCO		ARCO	
30462	PH140-0021	98180	PH140-0008	MBK460	PH365-0004
30470	PH140-0016-HT	98185	PH140-0009	PWB1000	PH100-SD05
30470	PH140-0017	AR103	PH350-0001	PWK440	PH100-KW02
30470	PH140-0017-HD	AR104	PH350-0002	PWK650	PH100-KW01
40112	PH300-0028	AR351	PH350-0003	PWP650	PH100-PL01
40112	PH300-0028-HO	DV325	PH175-0005	PWP650	PH100-PL02
40115	PH300-0009	DV326	PH175-0007	PWY500	PH100-YA05
40147	PH300-0010	DV359	PH175-0011	PWY650	PH100-YA01
40152	PH300-0007	DV361	PH175-0016	R012	PH375-0024
50109	PH140-0011	DV364	PH175-0011	R024	PH375-0025
50110	PH140-0011-CCW	DV365	PH175-0011	R036	PH375-0026
50134	PH140-0012	DV366	PH175-0002	R040	PH360-0004
50135	PH140-0012-CCW	DV366	PH175-0014	R151	PH360-0008
50137	PH140-0012	DV367	PH175-0008	R177	PH360-0005
50138	PH140-0012-CCW	DV369	PH175-0016	R211	PH360-0006
50141	PH140-0013-CCW	DV370	PH175-0003	R473	PH360-0001
50142	PH140-0013	DV371	PH175-0003	R670	PH360-0002
60050	PH300-0010	DV372	PH175-0004	R767	PH360-0009
60055	PH300-0011	DV373	PH175-0007	R832	PH360-0003
60060	PH300-0012	DV374	PH175-0006	R941	PH375-0053
60065	PH300-0016	DV375	PH175-0006	R950	PH375-0047
60070	PH300-0014	DV376	PH175-0001	R951	PH375-0048
60071	PH300-0015	DV377	PH175-0006	R952	PH360-0007
60072	PH300-0017	DV379	PH175-0006	SR107	PH365-0008
60073	PH300-0037	DV380	PH175-0007	SR361	PH185-0007
60074	PH300-0036	DV381	PH175-0012	SR369	PH185-0007
60075	PH300-0009	DV387	PH175-0015	SR370	PH185-0001
60097	PH300-0036	DV388	PH175-0006	SR371	PH185-0001
60122	PH300-0013-HO	DV389	PH175-0003	SR372	PH185-0001
60125	PH300-0010	DV390	PH175-0003	SR373	PH185-0002
60160	PH300-0029	DV392	PH175-0007	SR375	PH185-0004
60197	PH300-0009	DV393	PH175-0013	SR376	PH185-0005
60198	PH300-0009	DV394	PH175-0009	SR377	PH185-0004
70100	PH140-0004	DV395	PH175-0007	SR380	PH185-0004
70101	PH140-0004-CCW	DV396	PH175-0006	SR386	PH185-0001
70110	PH140-0004	DV397	PH175-0009	SR393	PH185-0003
70111	PH140-0004-CCW	DV440	PH105-D003	SW054	PH375-0038
70112	PH140-0006	DV500	PH105-D004	SW058	PH375-0039
70116	PH140-0005	DV650	PH105-D005	SW058HD	PH375-0039
70117	PH140-0004	DV700	PH105-D001-G	SW064	PH375-0035
70118	PH140-0004-CCW	DV744	PH105-D001-G	SW081	PH375-0032
70125	PH140-0004	DV750	PH105-D001-G	SW097	PH375-0034
70135	PH140-0006	DVK68	PH175-0004	SW099	PH375-0036
70200	PH140-0004	DVK68	PH175-0018	SW109	PH375-0037
70201	PH140-0004-CCW	DVK70	PH175-0017	SW125	PH375-0009
70212	PH140-0006	DVK71	PH175-0017	SW225	PH375-0013
70216	PH140-0005	DVK72	PH175-0018	SW268	PH375-0029
80108	PH300-0008	DVK76	PH175-0019	SW275	PH375-0028
80108	PH300-0008-OE	DVK86	PH175-0018	SW288	PH375-0033
80200	PH300-0025-OE	DVK89	PH175-0017	SW295	PH375-0052
82100	PH300-0024-OE	DVK90	PH175-0017	SW340	PH375-0033
84135	PH300-0005	DVK98	PH175-0018	SW394	PH375-0027
84150	PH300-0002	M525	PH200-T064-1B	SW450	PH375-0005
97225	PH150-0007	M531	PH200-T064-1B	SW463	PH375-0008
97225	PH150-0007-OE	M532	PH200-T064-4B	SW565	PH375-0028
98170	PH150-0001	M533	PH200-T064-4B	SW580	PH375-0051
98175	PH140-0024	MBK450	PH365-0005	SW590	PH375-0052

**PROTORQUE - Part Number Cross Reference**



TOLL FREE: 844-786-7783

LOCAL: 609-654-6020

FAX: 609-654-5710

WEB: [www.protorqueparts.com](http://www.protorqueparts.com)

## PART NUMBER CROSS REFERENCE

# PROTORQUE - Part Number Cross Reference

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>ARCO</b>		<b>BOMBARDIER (SEA-DOO)</b>		<b>CATERPILLAR</b>	
SW595	PH375-0049	278-001-936	PH100-SD03-G	1068554	PH150-0016
SW622	PH375-0012	278-001-936	PH100-SD03-R	2071556	PH150-0016
SW661	PH375-0011	278-001-937	PH100-SD05	2371962	PH150-0021
SW730	PH375-0027	278-001-937	PH100-SD05-G	OR1522	PH300-0001
SW774	PH375-0030	278-001-937	PH100-SD05-R	OR2186	PH150-0019
SW865	PH375-0019	278-002-347	PH375-0040	OR2187	PH150-0016
SW941	PH375-0053	278-003-012	PH375-0040	OR2189	PH150-0018
SW945	PH375-0041	290-888-040	PH105-D001	OR2190	PH150-0016
SW975	PH375-0001	290-888-040	PH105-D001-G	OR2191	PH150-0015
SW981	PH375-0031	290-888-042	PH105-D001	OR2192	PH150-0019
SW984	PH375-0004	290-888-042	PH105-D001-G	OR2697	PH150-0021
<b>BOMBARDIER (SEA-DOO)</b>		290-888-980	PH105-D007	OR2793	PH300-0001
278-000-027-P30	PH100-SD01	290-888-993	PH100-SD06	OR4259	PH150-0016
278-000-027-P30	PH100-SD01-G	290-888-993	PH100-SD06-G	OR4267	PH150-0021
278-000-027-P30	PH100-SD01-R	290-888-993	PH100-SD06-R	OR4272	PH150-0021
278-000-145	PH100-SD01	295-500-089	PH105-D005	OR5202	PH300-0001
278-000-145	PH100-SD01-G	420-888-042	PH105-D001	OR5207	PH150-0014
278-000-145	PH100-SD01-R	420-888-042	PH105-D001-G	OR5213	PH150-0021
278-000-186	PH100-SD01	420-888-980	PH105-D007	OR5218	PH150-0018
278-000-186	PH100-SD01-G	420-888-982	PH105-D007	OR5270	PH150-0014
278-000-186	PH100-SD01-R	420-888-994	PH100-SD06	OR5347	PH150-0012
278-000-316	PH100-SD01	420-888-994	PH100-SD06-G	10R0400	PH150-0016
278-000-316	PH100-SD01-G	420-888-994	PH100-SD06-R	1P9181	PH375-0007
278-000-316	PH100-SD01-R	420-888-995	PH100-SD06	2N1973	PH375-0006
278-000-485	PH100-SD02	420-888-995	PH100-SD06-G	2N1973	PH375-0002
278-000-485	PH100-SD02-G	420-888-995	PH100-SD06-R	2N2761	PH150-0015
278-000-485	PH100-SD02-R	420-888-996	PH100-SD06	2N3538	PH150-0013
278-000-513	PH375-0040	420-888-996	PH100-SD06-G	2S0900	PH150-0014
278-000-577	PH100-SD04	420-888-996	PH100-SD06-R	3A1872	PH150-0014
278-000-577	PH100-SD04-G	420-890-630	PH105-D007	3E7863	PH150-0015
278-000-577	PH100-SD04-R	420-890-631	PH105-D007	3L8205	PH150-0021
278-000-616	PH200-T040	420-890-632	PH105-D007	3R7356	PH150-0014
278-000-987	PH100-SD05	420-890-639	PH105-D007	3T2579	PH150-0019
278-000-987	PH100-SD05-G	<b>BOSCH</b>		3T2647	PH150-0014
278-000-987	PH100-SD05-R	0-001-311-001	PH140-0023	3T2654	PH150-0014
278-001-038	PH100-SD03	0-001-311-127	PH140-0023	3T2654	PH150-0012
278-001-038	PH100-SD03-G	0-001-362-093	PH150-0003	3T2655	PH150-0013
278-001-038	PH100-SD03-R	9-000-143-101	PH150-0003	3T2660	PH150-0014
278-001-106	PH105-D006	9-000-143-108	PH150-0003	3T2764	PH150-0019
278-001-292	PH200-T040	02033-23M020SM	PH130-0014	3T2772	PH150-0014
278-001-300	PH100-SD02	<b>BUHK</b>		3T2773	PH150-0022
278-001-300	PH100-SD02-G	612H0240	PH300-0008	3T2779	PH150-0022
278-001-300	PH100-SD02-R	612H0240	PH300-0008-OE	3T2780	PH150-0021
278-001-301	PH100-SD03	<b>CATERPILLAR</b>		3T2782	PH150-0021
278-001-301	PH100-SD03-G	25900	PH150-0014	3T2783	PH150-0021
278-001-301	PH100-SD03-R	83011	PH375-0001	3T2784	PH150-0021
278-001-376	PH375-0040	83091	PH375-0001	3T2785	PH150-0021
278-001-497	PH100-SD03	347198	PH150-0011	3T2785	PH150-0021
278-001-497	PH100-SD03-G	372501	PH375-0001	3T2787	PH150-0021
278-001-497	PH100-SD03-R	646218	PH150-0011	3T2787	PH150-0021
278-001-641	PH375-0040	656576	PH375-0001	3T2787	PH150-0021
278-001-802	PH375-0040	1047041	PH150-0016	3T2787	PH150-0021
278-001-935	PH100-SD02	1047042	PH150-0016	3T2787	PH150-0021
278-001-935	PH100-SD02-G	1068551	PH150-0016	3T2879	PH150-0012
278-001-935	PH100-SD02-R			3T3154	PH150-0012
278-001-936	PH100-SD03			3T3421	PH375-0007
				3T3778	PH150-0021
				3T4581	PH150-0014
				3T4582	PH150-0014
				3T4584	PH150-0014
				3T4586	PH150-0019
				3T4704	PH375-0007







## PART NUMBER CROSS REFERENCE

# PROTORQUE - Part Number Cross Reference

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>CHRYSLER</b>		<b>CUMMINS</b>		<b>CUMMINS</b>	
2875928	PH140-0011	157579	PH150-0018	3604649RX	PH375-0016
3004886	PH600-0001	173006	PH150-0016	3604650RX	PH375-0023
3527501	PH300-0028	173007	PH150-0016	3604654RX	PH150-0010
3527501	PH300-0028-HO	173184	PH150-0021	3604658RX	PH150-0021
3527502	PH300-0028	185617	PH150-0018	3604659RX	PH300-0001
3527502	PH300-0028-HO	195827	PH150-0015	3604784RX	PH150-0019
3619542	PH600-0001	195828	PH150-0015	3632274RX	PH150-0021
3619859	PH600-0001	195829	PH150-0015	3675127RX	PH150-0018
3635820	PH375-0020	195830	PH150-0015	3675140RX	PH300-0009
3744890	PH300-0028	195833	PH150-0015	<b>DELCO</b>	
3744890	PH300-0028-HO	195834	PH150-0015	110077	PH300-0006
3745985	PH600-0001	197127	PH150-0014	1100072	PH300-0001
4026084	PH300-0028	213298	PH300-0001	1100073	PH300-0001
4026084	PH300-0028-HO	213299	PH300-0001	1100080	PH300-0001
4417905	PH600-0001	214169	PH300-0006	1100081	PH300-0001
460917-1	PH375-0052	216040	PH300-0029	1100081	PH300-0001
8130938	PH375-0001	554560	PH150-0018	1100084	PH300-0001
33202630	PH375-0001	555241	PH150-0016	1100086	PH300-0001
33205022	PH375-0001	3000576	PH150-0021	1100087	PH300-0001
38130938	PH375-0001	3004699	PH150-0021	1100089	PH300-0001
38133925	PH375-0004	3004700	PH150-0021	1100090	PH300-0001
83500937	PH375-0004	3010125	PH150-0021	1100091	PH300-0001
A85955	PH130-0047	3011895	PH150-0019	1100093	PH300-0006
DR-2302	PH375-0001	3021034	PH150-0015	1100185	PH300-0001
<b>CRUSADER</b>		3021035	PH150-0021	1100186	PH300-0022
17670	PH600-0002	3021038	PH150-0015	1100186	PH300-0022-CHO
20318	PH600-0005	3063771	PH150-0021	1100186	PH300-0022-HO
21140	PH500-M047	3610942	PH150-0015	1100188	PH300-0001
22611	PH375-0052	3632274	PH150-0021	1100189	PH300-0001
22898	PH500-M009	3902661	PH150-0019	1100211	PH300-0006
30103	PH600-0002	3907622	PH150-0018	1100212	PH300-0001
32722	PH500-M037	3907821	PH150-0019	1100213	PH300-0001
39049	PH300-0009	3910645	PH150-0018	1100215	PH300-0001
39200	PH300-0009	3910646	PH150-0019	1100274	PH300-0006
42016	PH375-0001	3916854	PH150-0008	1100576	PH300-0013
42090	PH140-0010	3920618	PH300-0006	1100576	PH300-0013-HO
42091	PH140-0010-CCW	3938502	PH150-0019	1100577	PH300-0013
42150	PH140-0010-CCW	3593752RX	PH150-0013	1100577	PH300-0013-HO
67859	PH600-0002	3603851RX	PH300-0001	1100894	PH300-0013
97039	PH500-M048	3603853RX	PH300-0006	1100894	PH300-0013-HO
97405	PH500-M047	3603863RX	PH150-0012	1100912	PH300-0013
97842	PH500-M011	3603864RX	PH150-0013	1100912	PH300-0013-HO
97843	PH500-M017	3603868RX	PH150-0021	1100914	PH300-0013
811573	PH600-0002	3603869RX	PH375-0007	1100914	PH300-0013-HO
7142520	PH600-0005	3603870RX	PH375-0006	1100915	PH300-0013
9006320	PH375-0030	3603871RX	PH375-0018	1100915	PH300-0013-HO
R130014	PH375-0052	3603872RX	PH375-0017	1101104	PH300-0001
RA057030	PH600-0003	3603888RX	PH150-0021	1101105	PH300-0001
RA097007C	PH300-0043	3604230RX	PH375-0006	1101251	PH300-0001
RA122019	PH140-0021	3604231RX	PH375-0007	1101287	PH300-0001
<b>CUMMINS</b>		3604233RX	PH150-0014	1101288	PH300-0001
135160	PH150-0016	3604234RX	PH300-0029	1101289	PH300-0001
135161	PH150-0016	3604321RX	PH150-0016	1102393	PH300-0013
135163	PH150-0016	3604322RX	PH150-0015	1102393	PH300-0013-HO
144202	PH375-0017	3604323RX	PH150-0018	1102398	PH300-0022-HO
		3604484RX	PH150-0019	1102496	PH300-0013
		3604648RX	PH150-0008	1102496	PH300-0013-HO



## PART NUMBER CROSS REFERENCE

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>DELCO</b>		<b>DELCO</b>		<b>DELCO</b>	
1102938	PH300-0022	1107315	PH140-0012	1108375	PH140-0013
1102938	PH300-0022-CHO	1107320	PH140-0013	1108380	PH140-0013
1102939	PH300-0022	1107330	PH140-0014	1108381	PH140-0013
1102939	PH300-0022-CHO	1107336	PH140-0013	1108383	PH140-0014
1103113	PH300-0022-HO	1107340	PH140-0013	1108385	PH140-0012
1103113	PH300-0022	1107352	PH140-0013	1108387	PH140-0014
1103113	PH300-0022-CHO	1107355	PH140-0014	1108389	PH140-0014
1103114	PH300-0022-HO	1107367	PH140-0013	1108391	PH140-0013
1103114	PH300-0022	1107369	PH140-0012	1108392	PH140-0013
1103114	PH300-0022-CHO	1107370	PH140-0013	1108420	PH140-0013
1103193	PH300-0022	1107374	PH140-0013	1108433	PH140-0013
1103193	PH300-0022-CHO	1107385	PH140-0013	1108435	PH140-0014
1103193	PH300-0022-HO	1107391	PH140-0013	1108436	PH140-0014
1105064	PH300-0022	1107396	PH140-0014	1108439	PH140-0013
1105064	PH300-0022-CHO	1107399	PH140-0013	1108442	PH140-0015-CCW
1105064	PH300-0022-HO	1107400	PH140-0013	1108446	PH140-0014
1105065	PH300-0022	1107496	PH140-0013	1108477	PH140-0013
1105065	PH300-0022-CHO	1107497	PH140-0012	1108479	PH140-0013
1105065	PH300-0022-HO	1107514	PH150-0011	1108481	PH140-0012
1105078	PH300-0022	1107539	PH150-0011	1108486	PH140-0012
1105078	PH300-0022-CHO	1107596	PH140-0013	1108489	PH140-0012
1105078	PH300-0022-HO	1107664	PH140-0012	1108490	PH140-0013
1105088	PH300-0022	1107688	PH140-0012	1108491	PH140-0013
1105088	PH300-0022-CHO	1107696	PH140-0012-CCW	1108495	PH140-0014
1105088	PH300-0022-HO	1107712	PH140-0012	1108496	PH140-0013
1105097	PH300-0022	1107754	PH140-0012-CCW	1108497	PH140-0013
1105097	PH300-0022-CHO	1107764	PH140-0012-CCW	1108499	PH140-0013
1105097	PH300-0022-HO	1107866	PH150-0011	1108500	PH140-0014
1105460	PH300-0001	1107872	PH150-0011	1108503	PH140-0013
1105462	PH300-0001	1107889	PH140-0012	1108504	PH140-0013
1105463	PH300-0001	1107891	PH140-0012	1108506	PH140-0013
1105464	PH300-0001	1108225	PH140-0014	1108507	PH140-0013
1105465	PH300-0001	1108226	PH140-0014	1108512	PH140-0013
1105467	PH300-0001	1108283	PH140-0013	1108517	PH140-0014
1105469	PH300-0001	1108320	PH140-0013	1108519	PH140-0014
1105470	PH300-0001	1108326	PH140-0013	1108521	PH140-0013
1105472	PH300-0001	1108327	PH140-0013	1108525	PH140-0010
1105473	PH300-0001	1108331	PH140-0013	1108648	PH150-0011
1105474	PH300-0006	1108332	PH140-0012	1108742	PH140-0010-CCW
1105475	PH300-0006	1108333	PH140-0014	1108743	PH140-0013
1105476	PH300-0006	1108335	PH140-0014	1108755	PH140-0013
1107233	PH140-0012	1108348	PH140-0014	1108756	PH140-0013
1107237	PH140-0013-CCW	1108351	PH140-0013	1108759	PH140-0014
1107242	PH140-0013	1108353	PH140-0014	1108760	PH140-0013
1107247	PH140-0013	1108354	PH140-0013	1108762	PH140-0013
1107248	PH140-0013	1108355	PH140-0012	1108763	PH140-0013
1107259	PH140-0013	1108360	PH140-0012	1108766	PH140-0014
1107260	PH140-0013	1108361	PH140-0013	1108768	PH140-0013
1107273	PH140-0012	1108363	PH140-0013	1108770	PH140-0013
1107274	PH140-0012	1108365	PH140-0013	1108774	PH140-0013
1107286	PH140-0012	1108366	PH140-0013	1108777	PH140-0013
1107294	PH140-0014	1108367	PH140-0013	1108784	PH140-0012
1107299	PH140-0014	1108368	PH140-0012	1108787	PH140-0012
1107301	PH140-0013	1108371	PH140-0013	1108789	PH140-0013
1107302	PH140-0013	1108372	PH140-0012	1108790	PH140-0013
1107306	PH140-0013	1108373	PH140-0010	1108791	PH140-0013
1107312	PH140-0012-CCW	1108374	PH140-0010-CCW	1108793	PH140-0012

**PROTORQUE - Part Number Cross Reference**



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## PART NUMBER CROSS REFERENCE

# PROTORQUE - Part Number Cross Reference

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
DELCO		DELCO		DELCO	
1108794	PH140-0014	1109631	PH150-0021	1113951	PH150-0014
1108797	PH140-0013	1109638	PH150-0021	1113959	PH150-0014
1108979	PH140-0013	1109642	PH150-0021	1113960	PH150-0014
1109022	PH140-0014	1109643	PH150-0021	1113967	PH150-0014
1109024	PH140-0013	1109647	PH150-0021	1113969	PH150-0014
1109026	PH140-0014	1109648	PH150-0021-CCW	1113982	PH150-0014
1109038	PH140-0013	1109649	PH150-0021	1113992	PH150-0014
1109041	PH140-0013	1109755	PH150-0021	1114051	PH150-0012
1109061	PH140-0013	1109759	PH150-0021	1114054	PH150-0012
1109062	PH140-0013	1109768	PH150-0021	1114055	PH150-0012
1109063	PH140-0013	1109769	PH150-0022	1114056	PH150-0012
1109072	PH140-0014	1109771	PH150-0021	1114058	PH150-0012
1109078	PH140-0012	1109772	PH150-0021	1114059	PH150-0012-CCW
1109099	PH140-0012	1109774	PH150-0021	1114063	PH150-0012-CCW
1109198	PH150-0011	1109775	PH150-0021	1114064	PH150-0012
1109220	PH150-0022-CCW	1109776	PH150-0021	1114067	PH150-0012
1109222	PH150-0021	1109777	PH150-0021	1114072	PH150-0012
1109253	PH150-0011	1109780	PH150-0021	1114073	PH150-0012
1109261	PH150-0011	1109781	PH150-0021	1114074	PH150-0012
1109263	PH150-0011	1109788	PH150-0021	1114076	PH150-0012
1109276	PH150-0022-CCW	1109789	PH150-0021	1114078	PH150-0012
1109282	PH150-0022-CCW	1109791	PH150-0021	1114080	PH150-0012-CCW
1109285	PH150-0021	1109796	PH150-0022	1114081	PH150-0012
1109286	PH150-0021	1109798	PH150-0021	1114084	PH150-0012
1109287	PH150-0021	1109799	PH150-0021-CCW	1114086	PH150-0012
1109288	PH150-0021	1109829	PH150-0022-CCW	1114088	PH150-0012
1109289	PH150-0021	1109830	PH150-0021-CCW	1114090	PH150-0012
1109290	PH150-0021	1109833	PH150-0021	1114091	PH150-0012
1109291	PH150-0021	1109834	PH150-0021	1114092	PH150-0012
1109292	PH150-0021	1109836	PH150-0021	1114095	PH150-0012
1109296	PH150-0021	1109839	PH150-0021	1114096	PH150-0012
1109297	PH150-0021-CCW	1109840	PH150-0021	1114097	PH150-0012-CCW
1109298	PH150-0021	1109841	PH150-0021	1114098	PH150-0012
1109364	PH140-0013	1109842	PH150-0021	1114099	PH150-0012
1109369	PH140-0010-CCW	1109845	PH150-0021	1114106	PH150-0012-CCW
1109412	PH140-0013	1109846	PH150-0021	1114107	PH150-0012
1109415	PH140-0013	1109961	PH150-0021	1114109	PH150-0013
1109416	PH140-0013	1109962	PH150-0021-CCW	1114114	PH150-0013
1109447	PH140-0012	1109965	PH150-0021	1114115	PH150-0012
1109482	PH140-0015	1109972	PH150-0021	1114119	PH150-0012
1109483	PH140-0015-CCW	1109979	PH150-0021	1114122	PH150-0012
1109484	PH140-0010	1109985	PH150-0021	1114126	PH150-0012
1109485	PH140-0010-CCW	1113269	PH150-0011	1114128	PH150-0012
1109486	PH140-0013	1113274	PH150-0009	1114129	PH150-0013
1109487	PH140-0013	1113276	PH150-0008	1114130	PH150-0012
1109488	PH140-0013	1113281	PH150-0011	1114133	PH150-0012
1109489	PH140-0013	1113282	PH150-0011	1114138	PH150-0013
1109490	PH140-0013	1113292	PH150-0010	1114140	PH150-0012
1109492	PH140-0013-CCW	1113519	PH130-0001	1114141	PH150-0013
1109494	PH150-0021	1113519	PH130-0038	1114143	PH150-0012
1109553	PH150-0021	1113901	PH150-0014	1114145	PH150-0012
1109555	PH150-0021	1113923	PH150-0014	1114147	PH150-0012
1109567	PH140-0013	1113928	PH150-0014	1114148	PH150-0012
1109582	PH140-0012-CCW	1113934	PH150-0014	1114149	PH150-0013
1109597	PH140-0013	1113942	PH150-0014	1114150	PH150-0012
1109625	PH150-0022	1113950	PH150-0014	1114152	PH150-0013
1109626	PH150-0022-CCW	1113951	PH150-0014	1114155	PH150-0013-CCW





## PART NUMBER CROSS REFERENCE

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
DELCO		DELCO		DELCO	
1114156	PH150-0013	1114297	PH375-0001	1114459	PH375-0001
1114157	PH150-0012	1114299	PH375-0001	1114460	PH375-0001
1114158	PH150-0013	1114303	PH375-0001	1114461	PH375-0001
1114162	PH150-0013	1114304	PH375-0001	1114462	PH375-0001
1114164	PH150-0012	1114306	PH375-0001	1114464	PH375-0001
1114165	PH150-0012	1114324	PH375-0001	1114465	PH375-0001
1114167	PH150-0013	1114325	PH375-0001	1114466	PH375-0001
1114169	PH150-0013	1114326	PH375-0001	1114468	PH375-0001
1114170	PH150-0012	1114328	PH375-0001	1114474	PH375-0001
1114172	PH150-0012	1114330	PH375-0001	1114487	PH375-0001
1114174	PH150-0013	1114331	PH375-0001	1114488	PH375-0001
1114175	PH150-0013	1114333	PH375-0001	1114489	PH375-0001
1114179	PH150-0012	1114334	PH375-0001	1114493	PH375-0001
1114180	PH150-0012	1114335	PH375-0001	1114494	PH375-0001
1114185	PH150-0012	1114336	PH375-0001	1114495	PH375-0001
1114186	PH150-0012	1114337	PH375-0001	1114496	PH375-0001
1114187	PH150-0012	1114339	PH375-0001	1114499	PH375-0001
1114188	PH150-0012	1114340	PH375-0001	1114500	PH375-0001
1114190	PH150-0013	1114341	PH375-0001	1114502	PH375-0001
1114193	PH150-0012	1114342	PH375-0001	1114504	PH375-0001
1114194	PH150-0012	1114343	PH375-0001	1114505	PH375-0001
1114208	PH375-0024	1114344	PH375-0001	1114508	PH375-0001
1114217	PH375-0020	1114345	PH375-0001	1114510	PH375-0001
1114218	PH375-0020	1114346	PH375-0001	1114514	PH375-0004
1114223	PH375-0020	1114347	PH375-0001	1114515	PH375-0004
1114227	PH375-0020	1114348	PH375-0001	1114517	PH375-0004
1114238	PH375-0032	1114349	PH375-0001	1114518	PH375-0004
1114239	PH375-0021	1114350	PH375-0001	1114519	PH375-0004
1114239	PH375-0025	1114351	PH375-0001	1114520	PH375-0004
1114247	PH375-0001	1114353	PH375-0001	1114523	PH375-0004
1114251	PH375-0001	1114354	PH375-0001	1114525	PH375-0004
1114252	PH375-0001	1114355	PH375-0001	1114527	PH375-0004
1114253	PH375-0001	1114356	PH375-0001	1114529	PH375-0004
1114255	PH375-0001	1114357	PH375-0001	1114531	PH375-0004
1114256	PH375-0001	1114358	PH375-0001	1114534	PH375-0020
1114257	PH375-0001	1114359	PH375-0001	1114536	PH375-0021
1114262	PH375-0001	1114362	PH375-0001	1114536	PH375-0025
1114263	PH375-0001	1114364	PH375-0001	1114537	PH375-0032
1114264	PH375-0001	1114367	PH375-0001	1114558	PH375-0001
1114266	PH375-0001	1114369	PH375-0001	1114565	PH375-0001
1114268	PH375-0001	1114370	PH375-0001	1114567	PH375-0001
1114270	PH375-0001	1114376	PH375-0001	1114570	PH375-0004
1114272	PH375-0001	1114377	PH375-0001	1114571	PH375-0004
1114273	PH375-0001	1114378	PH375-0001	1114576	PH375-0004
1114276	PH375-0001	1114379	PH375-0001	1114580	PH375-0014
1114277	PH375-0001	1114380	PH375-0001	1114581	PH375-0014
1114278	PH375-0001	1114381	PH375-0001	1114583	PH375-0008
1114279	PH375-0001	1114388	PH375-0001	1114700	PH150-0012
1114281	PH375-0001	1114391	PH375-0001	1114702	PH150-0012-CCW
1114282	PH375-0001	1114394	PH375-0001	1114703	PH150-0013
1114283	PH375-0001	1114395	PH375-0001	1114704	PH150-0013
1114287	PH375-0001	1114396	PH375-0001	1114705	PH150-0013
1114289	PH375-0001	1114397	PH375-0001	1114706	PH150-0014
1114290	PH375-0001	1114398	PH375-0001	1114708	PH150-0013
1114291	PH375-0001	1114399	PH375-0001	1114711	PH150-0014
1114294	PH375-0001	1114430	PH375-0001	1114712	PH150-0014
1114295	PH375-0001	1114458	PH375-0001	1114716	PH150-0013-CCW

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Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
DELCO		DELCO		DELCO	
1114720	PH150-0012	1114894	PH150-0012	1119832	PH375-0003
1114722	PH150-0012	1114895	PH150-0012	1119835	PH375-0002
1114723	PH150-0012	1114896	PH150-0012	1119844	PH375-0018
1114724	PH150-0013	1114897	PH150-0012	1119844A	PH375-0018
1114725	PH150-0012	1114898	PH150-0012	1119845	PH375-0017
1114726	PH150-0012	1114899	PH150-0012	1119845A	PH375-0017
1114729	PH150-0014	1114900	PH150-0012	1119846	PH375-0019
1114731	PH150-0013-CCW	1114901	PH150-0012	1119848	PH375-0003
1114741	PH150-0012	1114905	PH150-0014	1119849	PH375-0003
1114742	PH150-0014	1114906	PH150-0012	1119853	PH375-0002
1114748	PH150-0013	1114908	PH150-0013-CCW	1119865	PH375-0019
1114749	PH150-0012	1114910	PH150-0014	1119866	PH375-0019
1114750	PH150-0012	1114911	PH150-0013	1119879	PH375-0002
1114751	PH150-0012	1114913	PH150-0012	1119897	PH375-0002
1114752	PH150-0012	1114917	PH150-0014	1119899	PH375-0017
1114753	PH150-0013	1114928	PH150-0012	1119910	PH375-0001
1114754	PH150-0013	1114930	PH150-0012-CCW	1119910	PH375-0001
1114761	PH150-0012	1114933	PH150-0013	1119923	PH375-0001
1114765	PH150-0013	1114945	PH150-0014	1119928	PH375-0019
1114766	PH150-0012	1114961	PH150-0012	1119929	PH375-0019
1114767	PH150-0014	1114967	PH150-0013	1119932	PH375-0019
1114769	PH150-0012	1114977	PH150-0013	1119936	PH375-0001
1114777	PH150-0014	1114985	PH150-0012	1119943	PH375-0019
1114780	PH150-0013	1114986	PH150-0013	1119946	PH375-0001
1114791	PH150-0013	1114989	PH150-0014	1119967	PH375-0001
1114795	PH150-0012	1115506	PH375-0019	1119974	PH375-0001
1114802	PH150-0013	1115526	PH375-0003	1119980	PH375-0001
1114805	PH150-0014	1115544	PH375-0007	1119981	PH375-0001
1114807	PH150-0013	1115547	PH375-0007	1119986	PH375-0001
1114808	PH150-0012-CCW	1115548	PH375-0007	1119989	PH375-0001
1114809	PH150-0013-CCW	1115556	PH375-0006	1119998	PH375-0001
1114811	PH150-0012	1115557	PH375-0007	1119999	PH375-0001
1114812	PH150-0012	1115559	PH375-0007	1851178	PH365-0001
1114814	PH150-0012	1115574	PH375-0007	1876553	PH140-0012
1114815	PH150-0012	1115576	PH375-0007	1893723	PH140-0014
1114816	PH150-0012	1115593	PH375-0016	1894140	PH140-0013
1114819	PH150-0012	1115594	PH375-0023	1938508	PH140-0012
1114824	PH150-0013	1115595	PH375-0023	1939508	PH140-0012
1114825	PH150-0013	1115601	PH375-0023	1976482	PH365-0002
1114827	PH150-0013	1115604	PH375-0023	1977068	PH140-0013
1114828	PH150-0013	1115605	PH375-0023	1977091	PH140-0012
1114832	PH150-0013	1115606	PH375-0006	1985495	PH365-0001
1114834	PH150-0013	1115607	PH375-0007	1988602	PH140-0013
1114843	PH150-0014	1115608	PH375-0023	1988604	PH140-0014
1114845	PH150-0014	1115645	PH375-0016	1988711	PH140-0013
1114856	PH150-0014	1115647	PH375-0007	1990211	PH150-0013-CCW
1114857	PH150-0014	1116481	PH375-0001	1990212	PH150-0012-CCW
1114862	PH150-0014	1118121	PH375-0019	1990219	PH150-0013
1114882	PH150-0013	1118810	PH375-0001	1990221	PH150-0013
1114883	PH150-0013	1118811	PH375-0001	1990225	PH150-0022
1114885	PH150-0013	1118816	PH375-0001	1990229	PH150-0021
1114888	PH150-0013	1118820	PH375-0020	1990230	PH150-0022
1114889	PH150-0012	1118821	PH375-0001	1990231	PH150-0021
1114890	PH150-0012	1119775	PH375-0019	1990233	PH150-0021
1114891	PH150-0012	1119781	PH375-0001	1990234	PH150-0021
1114892	PH150-0012	1119798	PH375-0001	1990235	PH150-0021
1114893	PH150-0012	1119804	PH375-0003	1990236	PH150-0021-CCW



## PART NUMBER CROSS REFERENCE

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
DELCO		DELCO		DELCO	
1990237	PH150-0021	1990395	PH150-0015-CCW	1993812	PH150-0019
1990239	PH150-0021	1990398	PH150-0015	1993813	PH150-0018
1990242	PH150-0022-CCW	1990399	PH150-0018	1993814	PH150-0019
1990248	PH150-0021	1990400	PH150-0015	1993816	PH150-0015
1990249	PH150-0021	1990403	PH150-0018	1993820	PH150-0018
1990250	PH150-0021	1990409	PH150-0016	1993823	PH150-0015
1990251	PH150-0021	1990410	PH150-0016	1993825	PH150-0021
1990259	PH150-0021	1990412	PH150-0016	1993840	PH150-0021
1990260	PH150-0021	1990418	PH150-0016	1993841	PH150-0021
1990262	PH150-0021	1990420	PH150-0015	1993842	PH150-0016
1990263	PH150-0021	1990422	PH150-0016	1993852	PH150-0021
1990264	PH150-0021	1990423	PH150-0015	1993856	PH150-0018
1990265	PH150-0021-CCW	1990424	PH150-0015	1993924	PH150-0016
1990269	PH150-0021	1990425	PH150-0018	1993975	PH150-0015
1990270	PH150-0021	1990429	PH150-0018	1993978	PH150-0016
1990271	PH150-0021	1990430	PH150-0015-CCW	1993985	PH150-0015
1990273	PH150-0021	1990433	PH150-0019	1998213	PH140-0013
1990274	PH150-0021	1990437	PH150-0016	1998224	PH140-0012
1990276	PH150-0021	1990441	PH150-0018	1998227	PH140-0013
1990291	PH150-0021	1990443	PH150-0018	1998245	PH140-0012
1990297	PH150-0014	1990444	PH150-0016	1998256	PH140-0012
1990323	PH150-0012	1990453	PH150-0019	1998275	PH140-0012
1990324	PH150-0014	1990456	PH150-0016	1998314	PH140-0015
1990337	PH150-0015	1990457	PH150-0019	1998315	PH140-0010
1990343	PH150-0014	1990460	PH150-0016	1998316	PH140-0010-CCW
1990344	PH150-0016	1990461	PH150-0016	1998317	PH140-0013
1990348	PH150-0015	1990465	PH150-0015	1998318	PH140-0013
1990349	PH150-0018	1990466	PH150-0018	1998330	PH150-0011
1990350	PH150-0019	1990467	PH150-0018	1998342	PH150-0011
1990352	PH150-0015	1990468	PH150-0015	1998376	PH150-0011
1990353	PH150-0018	1990470	PH150-0015	1998404	PH140-0010
1990354	PH150-0015	1990471	PH150-0018	1998405	PH140-0010
1990358	PH150-0015	1990475	PH150-0015	1998444	PH140-0012
1990359	PH150-0019	1990476	PH150-0018	1998460	PH140-0010
1990361	PH150-0016	1990477	PH150-0015	1998473	PH140-0012
1990362	PH150-0018	1990478	PH150-0015	1998480	PH150-0011
1990363	PH150-0015	1990480	PH150-0018	1998513	PH140-0015
1990367	PH150-0016	1990483	PH150-0015	1998563	PH140-0012
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1990369	PH150-0018	1990492	PH150-0018	1998568	PH140-0015
1990370	PH150-0018	1990493	PH150-0016	1998569	PH140-0015
1990371	PH150-0019	1990495	PH150-0015	1998570	PH140-0015
1990372	PH150-0018	1990496	PH150-0018	1998571	PH140-0015
1990374	PH150-0018	1990497	PH150-0019	1998592	PH140-0012
1990375	PH150-0015	1993703	PH150-0013	1998598	PH140-0012
1990376	PH150-0015	1993704	PH150-0014	1998599	PH140-0010
1990378	PH150-0016	1993753	PH150-0021	8000108	PH140-0017-D
1990379	PH150-0018	1993783	PH150-0018	8000282	PH140-0017-D
1990382	PH150-0016	1993802	PH150-0016	8400013	PH300-0039
1990383	PH150-0016	1993803	PH150-0015	8400027	PH300-0043
1990384	PH150-0016	1993804	PH150-0019	8400080	PH300-0047
1990385	PH150-0018	1993805	PH150-0016	8400111	PH300-0040
1990386	PH150-0015	1993806	PH150-0018	8600002	PH300-0039
1990387	PH150-0018	1993807	PH150-0015	9000762	PH140-0017-D
1990388	PH150-0016	1993809	PH150-0019	9000762	PH140-0017-HD
1990390	PH150-0016	1993810	PH150-0016	9000763	PH140-0020
1990392	PH150-0015	1993811	PH150-0018	9000763	PH140-0020-HD

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Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>DELCO</b>		<b>DELCO</b>		<b>DELCO</b>	
9000768	PH140-0017	10479624	PH150-0010	D969	PH375-0001
9000768	PH140-0017-HD	10496870	PH140-0013	D974	PH375-0001
9000789	PH140-0017	10496876	PH140-0012	D975	PH375-0001
9000789	PH140-0017-HD	10496877	PH140-0012	D977	PH375-0001
9000819	PH140-0017	10497177	PH300-0001	D978	PH375-0001
9000819	PH140-0017-HD	12301334	PH140-0020	D979	PH375-0001
9000820	PH140-0020	12301341	PH150-0011	D981	PH375-0001
9000821	PH140-0017	12303394	PH140-0012	D982	PH375-0001
9000821	PH140-0017-HD	12303573	PH140-0014	D983	PH375-0004
9000822	PH140-0020	12304044	PH140-0013	D984	PH375-0004
9000839	PH140-0016-HT	12304203	PH140-0013	D992	PH375-0001
9000840	PH140-0016-HT	12304738	PH140-0012	D1145	PH375-0001
9000855	PH130-0066	12304989	PH140-0013	D1323	PH375-0001
9000884	PH140-0016-HT	12305295	PH140-0014	D1456	PH375-0001
9000884	PH140-0017-D	19010615	PH140-0010-CCW	F15189	PH185-0003
9000885	PH140-0017-D	19010617	PH140-0010	<b>DETROIT DIESEL</b>	
9000886	PH140-0017	19020600	PH300-0033	R0459153	PH300-0006
9000886	PH140-0017-HD	19020601	PH300-0034	R0461125	PH150-0021
9000887	PH140-0021	19020604	PH300-0033	R0461126	PH150-0015
9000888	PH140-0019-CCW	19020606	PH300-0041	R0461127	PH150-0015
9000888	PH140-0022-CCW	19020608	PH300-0032	R0461178	PH150-0012
9000895	PH140-0020-D	19020609	PH300-0034	R0461184	PH150-0016
9000974	PH130-0066	19020611	PH300-0035	<b>DEUTZ</b>	
10455307	PH140-0012	19020612	PH300-0035	12850029	PH150-0018
10455600	PH140-0010	19020616	PH300-0044	<b>FORCE</b>	
10455601	PH140-0010	19020617	PH300-0042	49-0955	PH130-0047
10455602	PH140-0010-CCW	19020618	PH300-0048	50-514955	PH130-0069
10455603	PH140-0015	19020703	PH300-0030	50-583869	PH130-0047
10455604	PH140-0015-CCW	19020704	PH300-0031	50-583869T	PH130-0047
10455855	PH150-0021	19020706	PH300-0030	50-616955-1	PH130-0047
10456391	PH375-0007	19020707	PH300-0031	50-805991	PH150-0008
10456393	PH375-0016	19136156	PH140-0013	50-819085	PH130-0047
10456454	PH375-0015	19136158	PH140-0012	50-819085-1	PH130-0047
10457007	PH375-0017	19136169	PH140-0013	50-819085-T1	PH130-0047
10459238	PH300-0001	26925202A	PH140-0010-CCW	50-819271	PH130-0025
10459244	PH300-0006	26925230A	PH140-0010	50-820193	PH130-0022
10461285	PH150-0010	D901A	PH375-0023	50-820193-1	PH130-0022
10461450	PH150-0011	D911A	PH375-0004	50-820193A1	PH130-0025
10461451	PH150-0011	D912A	PH375-0023	50-820193-T1	PH130-0022
10461778	PH150-0015	D913A	PH375-0004	61-6955	PH130-0047
10463072	PH300-0001	D914	PH375-0001	81-1902	PH175-0009
10463073	PH300-0001	D930	PH375-0001	81-9222	PH175-0013
10465025	PH140-0012	D931	PH375-0001	89-F460917-1	PH375-0052
10465026	PH150-0008	D932	PH375-0001	820545	PH200-T038
10465042	PH140-0017	D933	PH375-0001	F15100	PH175-0013
10465042	PH140-0017-HD	D934	PH375-0001	F15110	PH175-0013
10465043	PH150-0008	D942	PH375-0001	F17556	PH200-T031
10465044	PH150-0009	D943	PH375-0001	F17563	PH200-T031
10465049	PH150-0011	D948	PH375-0001	F177917	PH375-0030
10465050	PH150-0011	D952	PH375-0001	F460917	PH375-0052
10465211	PH150-0010	D956	PH375-0001	F616955	PH130-0047
10465295	PH150-0009	D958	PH375-0001	F694541-1	PH200-T038
10465365	PH150-0010	D960	PH375-0001	F694541-2	PH200-T038
10465407	PH150-0008	D965	PH375-0001	FK654541	PH200-T031
10465606	PH140-0020-D	D966	PH375-0001		
10467985	PH375-0014	D967	PH375-0001		
10479621	PH150-0008	D968	PH375-0001		





## PART NUMBER CROSS REFERENCE

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>FORD</b>		<b>HITACHI</b>		<b>HITACHI</b>	
311006	PH375-0031	S108-61	PH100-KW02	S114-407	PH130-0060
B6AZ-11450-A	PH375-0031	S108-61	PH100-KW02-G	S114-414	PH140-0007
C3TZ-11390-A	PH375-0002	S108-61A	PH100-KW02	S114-414A	PH140-0007
C4TZ-11390-A	PH375-0003	S108-61A	PH100-KW02-G	S114-415	PH130-0048
CUTZ-11390-A	PH375-0007	S108-61B	PH100-KW02	S114-415A	PH130-0048
D5FF-11001-AA	PH140-0001	S108-61B	PH100-KW02-G	S114-436	PH130-0075
D8FF-11001-DA	PH140-0001	S108-61C	PH100-KW02	S114-437	PH130-0053
D8FF-11001-EA	PH140-0001-CCW	S108-61C	PH100-KW02-G	S114-483	PH150-0004
E1HZ-11390-A	PH375-0006	S108-61D	PH100-KW02	S114-483	PH150-0004-OE
E1HZ-11390-B	PH375-0007	S108-61D	PH100-KW02-G	S114-483A	PH150-0004
E3PZ-11390-A	PH375-0004	S108-61E	PH100-KW02	S114-483A	PH150-0004-OE
E6HZ-11390-C	PH375-0016	S108-61E	PH100-KW02-G	S114-551	PH130-0052
E90Z-11390-A	PH375-0009	S108-61F	PH100-KW02	S114-551A	PH130-0052
F02Z-11390-A	PH375-0009	S108-61F	PH100-KW02-G	S114-552	PH130-0051
F2JU-11000-CA	PH140-0006	S108-61G	PH100-KW02	S114-552A	PH130-0051
F3VY-11390-A	PH375-0009	S108-61G	PH100-KW02-G	S114-555	PH130-0060
F3VY-11390-B	PH375-0009	S108-80	PH130-0049	S114-559B	PH130-0059
F4DZ-11390-A	PH375-0009	S108-80A	PH130-0049	S114-561	PH130-0054
F6VZ-11390-A	PH375-0010	S108-80B	PH130-0049	S114-571	PH130-0048
F6VZ-11390-AA	PH375-0010	S108-87A	PH130-0062	S114-571A	PH130-0048
SW3	PH375-0031	S108-94	PH130-0006	S114-599B	PH130-0059
SW1287	PH375-0002	S108-97	PH130-0050	S114-651	PH140-0007
SW1720	PH375-0006	S108-97A	PH130-0050	S114-651A	PH140-0007
SW1723	PH375-0007	S108-98	PH130-0080	S114-660	PH130-0051
SW1724	PH375-0007	S108-99A	PH130-0063	S114-660A	PH130-0051
SW2188	PH375-0009	S108-102	PH100-YA05	S114-660B	PH130-0051
SW2195	PH375-0016	S108-102	PH100-YA05-G	S114-667	PH130-0048
SW2207	PH375-0009	S108-102A	PH100-YA05	S114-667N	PH130-0048
SW2245	PH375-0009	S108-102A	PH100-YA05-G	S114-673	PH130-0053
SW2502A	PH375-0009	S108-102B	PH100-YA05	S114-674	PH130-0052
SW5038	PH375-0009	S108-102B	PH100-YA05-G	S114-677	PH130-0054
SW5112	PH375-0010	S108-112	PH130-0006	S114-682	PH130-0082
SW5203	PH375-0010	S108-116	PH100-KW02	S114-815	PH140-0009
SWG1957	PH375-0004	S108-116	PH100-KW02-G	S114-815A	PH140-0009
SWX88	PH375-0020	S108-112	PH130-0006	S114-817	PH140-0009
SZ667	PH375-0002	S108-120	PH130-0006	S114-817A	PH140-0009
<b>GM</b>		S108-122	PH130-0083	S114-828B	PH130-0055
6414989	PH500-M038	S108-122A	PH130-0083	S114-836A	PH130-0056
<b>HITACHI</b>		S114-220	PH130-0007	S114-837	PH130-0071
2108F-3500	PH105-D003	S114-221	PH130-0007	S114-838A	PH130-0057
LR135-105	PH300-0005	S114-221E	PH130-0007	S114-860	PH130-0074
LR140-714B	PH300-0020	S114-221F	PH130-0007	S114-863A	PH130-0076
LR140-715	PH300-0020	S114-221G	PH130-0007	S114-867	PH130-0073
LR140-721C	PH300-0020	S114-221H	PH130-0007	S114-867A	PH130-0073
LR155-20	PH300-0002	S114-221J	PH130-0007	S114-867B	PH130-0073
LR180-03A	PH300-0002	S114-237	PH140-0023	S114-924A	PH130-0077
LR180-03B	PH300-0002	S114-257	PH150-0004	S12-23	PH150-0004
LR180-03C	PH300-0002	S114-257	PH150-0004-OE	S12-23	PH150-0004-OE
S106-07B	PH130-0061	S114-257G	PH150-0004	S12-52	PH150-0004
S106-07E	PH130-0061	S114-257G	PH150-0004-OE	S12-52	PH150-0004-OE
S106-07F	PH130-0061	S114-263B	PH130-0058	S12-75	PH150-0004
S106-12	PH130-0085	S114-303	PH140-0008	S12-75	PH150-0004-OE
S106-12A	PH130-0085	S114-303A	PH140-0008	S12-77	PH150-0004
S106-12B	PH130-0085	S114-323	PH130-0005	S12-77	PH150-0004-OE
S108-122A	PH130-0083	S114-323A	PH130-0005	S12-77A	PH150-0004
		S114-323B	PH130-0005	S12-77A	PH150-0004-OE
		S114-323C	PH130-0005	S12-79	PH150-0004

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Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>HITACHI</b>		<b>JOHNSON ELECTRIC</b>		<b>KAWASAKI</b>	
S12-79	PH150-0004-OE	5265040	PH185-0003	21163-3718	PH100-KW03
S12-84	PH150-0003	6743040	PH130-0028	21163-3718	PH100-KW03-G
S13-24A	PH150-0004	10153340	PH130-0034	21163-3718	PH100-KW03-R
S13-24A	PH150-0004-OE	10153440	PH130-0028	21163-3719	PH100-KW03
<b>HONDA</b>		10153440	PH130-0033	21163-3719	PH100-KW03-G
31200-HW1-671	PH100-HN01	10599640	PH130-0035	21163-3719	PH100-KW03-R
31200-HW1-671	PH100-HN01-G	<b>KAWASAKI</b>		21163-3720	PH100-KW04
31200-HW1-671	PH100-HN01-R	13101-3701	PH105-D001	21163-3720	PH100-KW04-G
31200-ZV5-003	PH130-0054	13101-3701	PH105-D001-G	21163-3720	PH100-KW04-R
31200-ZV5-0130	PH130-0054	13101-3703	PH105-D001	21163-3721	PH100-KW04
31200-ZV5A-0130	PH130-0054	13101-3703	PH105-D001	21163-3721	PH100-KW04-G
31200-ZW1-004	PH130-0064	13101-3703	PH105-D001-G	21163-3721	PH100-KW04-R
31200-ZW1A-0040	PH130-0064	13101-3705	PH105-D001	21163-5031	PH100-KW02
31200-ZW5-003	PH130-0065	13101-3705	PH105-D001-G	21163-5031	PH100-KW02-G
31200-ZW5-003	PH130-0065	13101-3705	PH105-D001-G	21163-5031	PH100-KW02-R
31200-ZW5A-0032	PH130-0065	13101-3706	PH105-D001	21174-3703	PH200-T039
31200-ZW9-801	PH130-0087	13101-3706	PH105-D001-G	27010-3705	PH375-0043
31200-ZW9-802	PH130-0087	13101-3706	PH105-D001-G	27010-3714	PH375-0045
31200-ZY3-003	PH130-0070	13101-3708	PH105-D001	27010-3724	PH375-0045
31200-ZY3A-0034	PH130-0070	13101-3708	PH105-D001	27010-3737	PH375-0044
31200-ZY9-003	PH130-0088	13101-3708	PH105-D001	27010-3760	PH375-0045
31200-ZY9A-0031	PH130-0088	21163-3001	PH100-KW02	59051-3005	PH105-D003
31630-ZY3-003	PH300-0049	21163-3001	PH100-KW02-R	59051-5007	PH105-D003
31630-ZY3-013	PH300-0049	21163-3002-YR	PH100-KW02	<b>LEECE NEVILLE</b>	
36120-ZV5-821	PH200-T021	21163-3002-YR	PH100-KW02-G	2700	PH300-0029
36120-ZV5-822	PH200-T046	21163-3002-YR	PH100-KW02-R	90743	PH300-0029
<b>INDMAR</b>		21163-3003-F	PH100-KW02	90776	PH300-0029
575010	PH300-0032	21163-3003-F	PH100-KW02	90784	PH300-0029
575011	PH300-0041	21163-3003-G	PH100-KW02	2670J	PH300-0029
575014	PH300-0039	21163-3003-G	PH100-KW02-G	2670JB	PH300-0029
<b>JOHN DEERE</b>		21163-3003-G	PH100-KW02-R	2670LC	PH300-0029
AH76330	PH140-0012	21163-3003-YR	PH100-KW02-R	2700J	PH300-0029
AM878581	PH300-0020	21163-3702	PH100-KW01	2700JB	PH300-0029
AM880733	PH300-0020	21163-3702	PH100-KW01-G	2700LC	PH300-0029
AR68304	PH375-0001	21163-3702	PH100-KW01-R	A001090743	PH300-0029
AR102766	PH375-0007	21163-3706	PH100-KW01	A001090776	PH300-0029
RE10321	PH150-0012	21163-3706	PH100-KW01-G	A001090784	PH300-0029
RE10464	PH150-0021	21163-3706	PH100-KW01-R	A0012670JB	PH300-0029
RE24305	PH150-0015	21163-3702	PH100-KW01	A0012670LC	PH300-0029
RE38633	PH150-0018	21163-3709	PH100-KW01-G	A0012700JB	PH300-0029
RE41754	PH150-0015	21163-3709	PH100-KW01-G	A0012700LC	PH300-0029
RE41756	PH150-0018	21163-3702	PH100-KW01-R	A0012700LC	PH300-0029
RE51792	PH150-0015	21163-3710	PH100-KW02	RJ2670	PH300-0029
RE523502	PH150-0009	21163-3710	PH100-KW02-G	<b>LESTER</b>	
TY1454	PH140-0012	21163-3710	PH100-KW02-R	3019	PH130-0001
TY26035	PH140-0012	21163-3711	PH100-KW02	3019	PH130-0038
TY6693	PH140-0012	21163-3711	PH100-KW02-G	3134	PH140-0001-CCW
TY6723	PH150-0012	21163-3711	PH100-KW02-R	3140	PH140-0003-CCW
TY6728	PH150-0015	21163-3712	PH100-KW01	3141	PH140-0003-CCW
TY6730	PH150-0018	21163-3712	PH100-KW01-G	3143	PH140-0001-CCW
<b>JOHNSON ELECTRIC</b>		21163-3702	PH100-KW01-R	3159	PH140-0003
0814240	PH130-0039	21163-3714	PH100-KW01	3159A	PH140-0003
0996340	PH130-0010	21163-3714	PH100-KW01-G	3162	PH140-0001
		21163-3715	PH100-KW01-R	3182	PH140-0001
		21163-3715	PH100-KW03	3183	PH140-0002
		21163-3715	PH100-KW03-G	3200	PH140-0004
		21163-3715	PH100-KW03-R		



## PART NUMBER CROSS REFERENCE

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>LESTER</b>		<b>LESTER</b>		<b>LESTER</b>	
3200CCW	PH140-0004-CCW	5392	PH130-0042	5902	PH130-0067
3206	PH140-0006	5393	PH130-0037	5903	PH130-0020
3231	PH140-0005	5396	PH130-0069	5909	PH130-0035
3238	PH140-0005	5397	PH130-0003	6247	PH150-0019-CCW
3290	PH150-0012-CCW	5397	PH130-0044	6248	PH150-0018-CCW
3296	PH150-0022	5398	PH130-0067	6253	PH150-0018
3297	PH150-0022-CCW	5399	PH130-0011	6261	PH150-0015-CCW
3339	PH150-0013	5400	PH130-0040	6263	PH150-0016-CCW
3471	PH140-0011	5401	PH130-0015	6264	PH150-0016-CCW
3548	PH140-0013	5652	PH130-0014	6300	PH140-0020
3550	PH140-0013	5708	PH130-0041	6300	PH140-0020-HD
3567	PH140-0013-CCW	5709	PH130-0039	6300	PH140-0020-D
3631	PH140-0013	5710	PH130-0014	6352	PH150-0015
3635	PH140-0012	5711	PH130-0013	6355	PH150-0019
3650	PH140-0012	5712	PH130-0001	6356	PH150-0015
3664	PH140-0013	5712	PH130-0038	6360	PH150-0019
3686	PH140-0012	5713	PH130-0016	6370	PH150-0016
3696	PH140-0014	5714	PH130-0017	6371	PH150-0018
3697	PH140-0014	5715	PH130-0026	6372	PH150-0018
3702	PH150-0021-CCW	5716	PH130-0004	6378	PH150-0016
3902	PH150-0021	5716	PH130-0045	6409	PH140-0017
3948	PH150-0014	5717	PH130-0002	6409	PH140-0017-HD
3974	PH150-0012	5717	PH130-0043	6409	PH140-0017-HT
4196	PH150-0011	5718	PH130-0002	6420	PH140-0010
4274	PH150-0011	5718	PH130-0043	6423	PH140-0015
4287	PH140-0012-CCW	5719	PH130-0003	6425	PH140-0015
4297	PH150-0010	5719	PH130-0044	6439	PH140-0015-CCW
4298	PH140-0010-CCW	5720	PH130-0027	6440	PH140-0010
4304	PH140-0010-CCW	5721	PH130-0012	6468	PH150-0011
4569	PH150-0011	5722	PH130-0003	6516	PH150-0018
4930	PH150-0021	5722	PH130-0044	6528	PH150-0013-CCW
4963	PH150-0011	5723	PH130-0008	6560	PH140-0017
5178	PH140-0013-CCW	5724	PH130-0021	6560	PH140-0017-HD
5230	PH130-0001	5725	PH130-0069	6560	PH140-0017-HT
5230	PH130-0038	5726	PH130-0024	6561	PH140-0020
5248	PH140-0011-CCW	5727	PH130-0068	6561	PH140-0020-HD
5265	PH130-0001	5728	PH130-0072	6562	PH140-0017
5265	PH130-0038	5729	PH130-0025	6562	PH140-0017-HD
5268	PH130-0047	5732	PH130-0047	6562	PH140-0017-HT
5270	PH130-0001	5733	PH130-0010	6563	PH140-0020
5270	PH130-0038	5734	PH130-0009	6563	PH140-0020-HD
5278	PH130-0004	5735	PH130-0042	6572	PH150-0009
5278	PH130-0045	5736	PH130-0019	6573	PH150-0008
5279	PH130-0002	5737	PH130-0023	6576	PH150-0011
5279	PH130-0043	5738	PH130-0022	6582	PH150-0023
5281	PH130-0004	5739	PH130-0047	6583	PH150-0010
5281	PH130-0045	5740	PH130-0023	6615	PH140-0010
5285	PH130-0086	5741	PH130-0018	6616	PH140-0010-CCW
5287	PH130-0041	5758	PH130-0081	6679	PH140-0005
5290	PH130-0001	5762	PH130-0032	6766	PH140-0017
5290	PH130-0038	5763	PH130-0034	6766	PH140-0017-HD
5294	PH130-0039	5764	PH130-0028	6766	PH140-0017-D
5295	PH130-0010	5769	PH130-0029	6788	PH140-0020-D
5296	PH130-0010	5772	PH130-0030	6791	PH140-0016-HT
5299	PH130-0010	5773	PH130-0031	6791	PH140-0017-D
5388	PH130-0046	5779	PH130-0036	6792	PH140-0017-D
5389	PH130-0046	5901	PH130-0033	6793	PH140-0022-CCW

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Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
LESTER		LESTER		LESTER	
6793-CW	PH140-0022	8903	PH300-0028-HO	10834	PH200-T036
6794	PH130-0066	8904	PH300-0003	10835	PH200-T037
6915	PH150-0017	8905	PH300-0003-HO	10836	PH200-T048
6916	PH150-0017-CCW	8906	PH300-0004	10837	PH200-T025
6917	PH150-0020	8907	PH300-0004-HO	10838	PH200-T024
6918	PH150-0020-CCW	8908	PH300-0017-DHO	10839	PH200-T054
6931	PH140-0021	10800	PH200-T049	10840	PH200-T055
6965	PH140-0018	10801	PH200-T052	10841	PH200-T058
6965	PH140-0018-HD	10802	PH200-T038	10844	PH200-T004
6966	PH140-0019-CCW	10803	PH200-T009	10845	PH200-T007
7041	PH300-0028	10804	PH200-T056	10846	PH200-T024
7041	PH300-0028-HO	10805	PH200-T020	10847	PH200-T040
7138	PH300-0001	10806	PH200-T031	10848	PH200-T041
7152	PH300-0013	10807	PH200-T051	10849	PH200-T030
7152	PH300-0013-HO	10808	PH200-T013	10850	PH200-T003
7152	PH300-0045	10809	PH200-T074	10851	PH200-T012
7152-105	PH300-0013-HO	10810	PH200-T014	10853	PH200-T039
7152-105C	PH300-0013-CHO	10810A	PH200-T042	10854	PH200-T043
7195	PH300-0022	10811	PH200-T021	10855	PH200-T057
7195	PH300-0022-HO	10811A	PH200-T022	10856	PH200-T018
7195	PH300-0046	10811B	PH200-T021	10858	PH200-T011
7195-105	PH300-0022-HO	10812	PH200-T023	10860	PH200-T045
7195-105C	PH300-0022-CHO	10813	PH200-T053	10861	PH200-T046
7197	PH300-0006	10813A	PH200-T027	10862	PH200-T044
7308	PH300-0028	10813P	PH200-T034	10865	PH200-T069
7308	PH300-0028-HO	10814	PH200-T026	10867	PH200-T072
7317	PH300-0007	10815A	PH200-T001	10886	PH200-T059
7320	PH300-0007	10815P	PH200-T011-R	10887	PH200-T073
7324	PH300-0028	10816	PH200-T005	12109	PH300-0005
7324	PH300-0028-HO	10816	PH200-T006	12112	PH300-0020
7466	PH300-0022	10818	PH200-T028	12174	PH300-0010
7466	PH300-0022-CHO	10819	PH200-T017	12174	PH300-0011
7466	PH300-0022-HO	10820	PH200-T032	12176	PH300-0012
7496	PH300-0010	10821	PH200-T033	12176	PH300-0016
7566	PH300-0009	10822	PH200-T016	12177	PH300-0014
7612	PH300-0029	10822-24V	PH200-T016-24V	12177	PH300-0015
7850	PH300-0001	10822A	PH200-T016	12272	PH300-0002
8377	PH300-0009	10822A-24V	PH200-T016-24V	12355	PH300-0018
8460	PH300-0034	10822CBM	PH200-T016-K	12358	PH300-0019
8461	PH300-0035	10822CBM	PH200-T016-SK	12359	PH300-0021
8463	PH300-0044	10822CBM-02	PH200-T019-SK	12391	PH300-0017
8464	PH300-0048	10822CK	PH200-T016-K	12392	PH300-0017
8465	PH300-0033	10822CK	PH200-T016-SK	12407	PH300-0024-OE
8466	PH300-0032	10822CSM	PH200-T016-SM	12409	PH300-0023-OE
8467	PH300-0042	10822M	PH200-T015	12411	PH300-0027-OE
8467	PH300-0041	10822M-24V	PH200-T015-24V	12415	PH300-0025-OE
8467-9	PH300-0043	10823	PH200-T008	12671	PH300-0037
8470	PH300-0030	10824	PH200-T030	12672	PH300-0036
8471	PH300-0031	10825	PH200-T047	12673	PH300-0050
8488	PH300-0047	10826	PH200-T010	12751	PH300-0009
8723	PH300-0039	10827	PH200-T003	12757	PH300-0049
8725	PH300-0038	10828	PH200-T002	13059	PH300-0026-OE
8726	PH300-0040	10829	PH200-T008	13068	PH300-0008
8901	PH300-0007	10830	PH200-T029	13068	PH300-0008-OE
8902	PH300-0008-D	10831	PH200-T050	14052	PH300-0008
8902	PH300-0008-DHO	10832	PH200-T041	14052	PH300-0008-OE
8903	PH300-0028	10833	PH200-T035	16353	PH140-0023





## PART NUMBER CROSS REFERENCE

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>LESTER</b>		<b>LESTER</b>		<b>LESTER</b>	
16360	PH140-0023	18399	PH100-SD05	19608	PH130-0088
16608	PH150-0002	18399	PH100-SD05-G	19698	PH130-0079
16720	PH140-0024	18399	PH100-SD05-R	19701	PH130-0071
16954	PH140-0023	18415	PH100-SD02	19704	PH130-0083
17292	PH150-0006	18415	PH100-SD02-G	19705	PH130-0075
17315	PH140-0023	18415	PH100-SD02-R	19706	PH130-0077
17316	PH150-0007	18416	PH100-SD04	19707	PH130-0078
17316	PH150-0007-OE	18416	PH100-SD04-G	19710	PH130-0080
17605	PH100-SD01	18416	PH100-SD04-R	19715	PH140-0017-HT
17605	PH100-SD01-G	18420	PH100-YA01	<b>LUCAS</b>	
17605	PH100-SD01-R	18420	PH100-YA01-G	25620	PH150-0001
17644	PH150-0003	18420	PH100-YA01-R	26148	PH150-0003
18203	PH140-0007	18421	PH100-YA02	26157	PH150-0003
18204	PH150-0004	18421	PH100-YA02-G	26196	PH150-0003
18204	PH150-0004-OE	18421	PH100-YA02-R	26282	PH150-0003
18205	PH150-0004	18424	PH150-0005	26283	PH150-0003
18205	PH150-0004-OE	18430	PH150-0001	26375	PH150-0003
18208	PH150-0004	18431	PH100-HN01	26379	PH150-0002
18208	PH150-0004-OE	18431	PH100-HN01-G	26395	PH150-0002
18209	PH140-0008	18431	PH100-HN01-R	26422	PH150-0003
18219	PH140-0009	18432	PH100-KW04	26435	PH150-0003
18290	PH140-0009	18432	PH100-KW04-G	27417	PH150-0003
18301	PH130-0061	18432	PH100-KW04-R	27435	PH150-0003
18301	PH130-0085	18433	PH100-YA03	27478	PH150-0003
18303	PH100-YA05	18433	PH100-YA03-G	27486	PH150-0003
18303	PH100-YA05-G	18433	PH100-YA03-R	27500	PH150-0002
18303	PH100-YA05-R	18435	PH100-TS01	27569	PH150-0002
18305	PH100-KW02	18435	PH100-TS01-G	47920034	PH150-0001
18305	PH100-KW02-G	18435	PH100-TS01-R	26211A/L	PH150-0002
18305	PH100-KW02-R	18436	PH100-YA06	26211M/T	PH150-0002
18307	PH130-0053	18436	PH100-YA06-G	26211U	PH150-0002
18308	PH130-0052	18436	PH100-YA06-R	26282A	PH150-0003
18310	PH130-0049	18437	PH130-0084	26291A	PH150-0002
18311	PH130-0050	18441	PH130-0076	26291D	PH150-0002
18313	PH130-0007	18442	PH130-0073	26338A	PH150-0002
18314	PH130-0005	18443	PH130-0074	26338B	PH150-0002
18315	PH130-0051	18444	PH130-0082	26338D	PH150-0002
18316	PH130-0060	18445	PH100-KW03	26338F	PH150-0002
18317	PH130-0054	18445	PH100-KW03-G	26339A	PH150-0002
18319	PH130-0006	18445	PH100-KW03-R	26339B	PH150-0002
18323	PH130-0048	18531	PH100-SD03	26339D	PH150-0002
18330	PH100-KW01	18531	PH100-SD03-G	26339K	PH150-0002
18330	PH100-KW01-G	18531	PH100-SD03-R	26379A	PH150-0002
18330	PH100-KW01-R	18532	PH100-SD06	26379F	PH150-0002
18330	PH100-PL01	18532	PH100-SD06-G	26379H	PH150-0002
18330	PH100-PL01-G	18532	PH100-SD06-R	26395A	PH150-0002
18330	PH100-PL01-R	18815	PH130-0060	26395D	PH150-0002
18330	PH100-PL02	18894	PH100-YA04	26395E	PH150-0002
18330	PH100-PL02-G	18894	PH100-YA04-G	26395H	PH150-0002
18330	PH100-PL02-R	18894	PH100-YA04-R	27500A	PH150-0002
18344	PH130-0058	18895	PH100-YA07	27500J	PH150-0002
18345	PH130-0063	18895	PH100-YA07-G	LRS1741	PH150-0013
18346	PH130-0062	18937	PH130-0085	NSB503	PH150-0003
18347	PH130-0055	19562	PH130-0087	<b>MALLORY</b>	
18348	PH130-0056	19602	PH130-0064	9-15000	PH130-0039
18349	PH130-0057	19603	PH130-0065		
18351	PH130-0059	19607	PH130-0070		

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# PROTORQUE - Part Number Cross Reference

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>MALLORY</b>		<b>MALLORY</b>		<b>MALLORY</b>	
9-15001	PH130-0040	9-15054	PH130-0052	9-15904	PH140-0020-HD
9-15002	PH130-0041	9-15055	PH130-0055	9-15905	PH140-0022
9-15003	PH130-0046	9-15056	PH130-0060	9-15906	PH140-0008
9-15004	PH130-0047	9-15057	PH130-0058	9-15907	PH140-0017-D
9-15005	PH130-0001	9-15058	PH130-0057	9-15908	PH140-0022-CCW
9-15006	PH130-0004	9-15059	PH130-0056	9-15909	PH140-0020-HD
9-15006	PH130-0045	9-15062	PH130-0048	9-15990	PH365-0005
9-15007	PH130-0003	9-15063	PH130-0074	9-15991	PH365-0004
9-15007	PH130-0044	9-15070	PH100-KW03	9-17100	PH350-0003
9-15008	PH130-0002	9-15071	PH100-SD03	9-17101	PH350-0005
9-15008	PH130-0043	9-15072	PH100-KW02	9-17102	PH350-0004
9-15009	PH130-0042	9-15073	PH100-TS01	9-17200	PH350-0001
9-15010	PH130-0069	9-15074	PH100-SD01	9-17201	PH350-0002
9-15011	PH130-0036	9-15075	PH100-SD04	9-18100	PH200-T049
9-15012	PH130-0068	9-15076	PH100-YA02	9-18101	PH200-T052
9-15013	PH130-0025	9-15077	PH100-SD02	9-18102	PH200-T020
9-15014	PH130-0009	9-15078	PH100-YA01	9-18103	PH200-T006
9-15015	PH130-0022	9-15079	PH100-KW01	9-18104	PH200-T014
9-15016	PH130-0024	9-15079	PH100-PL01	9-18105	PH200-T021
9-15017	PH130-0029	9-15079	PH100-SD05	9-18105	PH200-T022
9-15018	PH130-0028	9-15080	PH105-D001	9-18106	PH200-T004
9-15019	PH130-0081	9-15080	PH105-D001-G	9-18107	PH200-T042
9-15020	PH130-0008	9-15100	PH375-0024	9-18108	PH200-T049
9-15021	PH130-0014	9-15102	PH375-0010	9-18109	PH200-VB01
9-15022	PH130-0021	9-15103	PH375-0011	9-18200	PH200-T038
9-15023	PH130-0051	9-15104	PH375-0012	9-18201	PH200-T032
9-15024	PH130-0010	9-15105	PH375-0027	9-18202	PH200-T033
9-15025	PH130-0011	9-15106	PH375-0031	9-18203	PH200-T003
9-15026	PH130-0015	9-15107	PH375-0029	9-18204	PH200-T010
9-15027	PH130-0066	9-15108	PH375-0033	9-18205	PH200-T001
9-15028	PH130-0023	9-15110	PH375-0039	9-18206	PH200-T011-R
9-15029	PH130-0037	9-15111	PH375-0028	9-18207	PH200-T015
9-15030	PH130-0067	9-15112	PH375-0039	9-18208	PH200-T038
9-15031	PH130-0030	9-15113	PH375-0038	9-18209	PH200-VB03
9-15032	PH130-0018	9-15115	PH375-0034	9-18210	PH200-T026
9-15032	PH130-0032	9-15116	PH375-0036	9-18211	PH200-T002
9-15034	PH130-0016	9-15117	PH375-0037	9-18212	PH200-T008
9-15035	PH130-0086	9-15118	PH375-0051	9-18213	PH200-T011
9-15036	PH130-0012	9-15119	PH375-0050	9-18213	PH200-T011-R
9-15037	PH130-0035	9-15120	PH375-0053	9-18214	PH200-T001
9-15038	PH130-0005	9-15121	PH375-0041	9-18215	PH200-T032
9-15039	PH130-0066	9-15200	PH360-0001	9-18300	PH200-T025
9-15040	PH130-0026	9-15200	PH360-0006	9-18301	PH200-T024
9-15041	PH130-0013	9-15200	PH360-0007	9-18302	PH200-T046
9-15042	PH130-0031	9-15201	PH360-0002	9-18303	PH200-T071
9-15043	PH130-0017	9-15201	PH360-0004	9-18304	PH200-T070
9-15044	PH130-0072	9-15202	PH360-0005	9-18306	PH200-VB01
9-15045	PH130-0034	9-15203	PH360-0004	9-18400	PH200-T050
9-15045	PH130-0084	9-15210	PH360-0008	9-18401	PH200-T035
9-15046	PH130-0063	9-15213	PH360-0008	9-18402	PH200-T057
9-15048	PH130-0006	9-15510	PH365-0007	9-18403	PH200-T037
9-15049	PH130-0050	9-15900	PH140-0017	9-18404	PH200-T047
9-15050	PH130-0062	9-15900	PH140-0017-HD	9-18405	PH200-T030
9-15051	PH130-0053	9-15901	PH140-0020	9-18406	PH200-T041
9-15052	PH130-0049	9-15901	PH140-0004	9-18407	PH200-T029
9-15053	PH130-0061	9-15902	PH140-0013	9-18408	PH200-T048
9-15053	PH130-0085	9-15903	PH140-0015	9-18409	PH200-T036



# PART NUMBER CROSS REFERENCE

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>MALLORY</b>		<b>MALLORY</b>		<b>MARINE POWER</b>	
9-18410	PH200-T044	9-35404	PH500-M038	471200	PH300-0044
9-18411	PH200-T069	9-35405	PH500-M039	471201	PH300-0044
9-18412	PH200-T045	9-35406	PH500-M040	4711210	PH300-0044
9-18500	PH200-T016	9-35407	PH500-M041	0171-000	PH140-0010-CCW
9-18600	PH200-T009	9-35408	PH500-M042	0172-000	PH140-0020
9-18601	PH200-T051	9-35409	PH500-M043	0174-000	PH140-0017
9-18602	PH200-T023	9-35410	PH500-M044	0174-000	PH140-0017-HD
9-18603	PH200-T028	9-35411	PH500-M045	0174-000	PH140-0017-HT
9-18604	PH200-T053	9-35412	PH500-M046	1210-000	PH300-0010
9-18605	PH200-T007	9-35414	PH500-M047	<b>MERCURY</b>	
9-18607	PH200-T013	9-35416	PH500-M048	50-12177A2	PH140-0015
9-18608	PH200-T054	9-35417	PH500-M050	50-12872	PH140-0001
9-18609	PH200-T055	9-35418	PH500-M051	50-17251A3	PH140-0010-CCW
9-18610	PH200-T058	9-35419	PH500-M052	50-30829	PH130-0040
9-18611	PH200-T064-1B	9-35420	PH500-M053	50-31976	PH130-0010
9-18612	PH200-T064-4B	9-35421	PH500-M054	50-32403	PH130-0040
9-18613	PH200-VB01	9-35422	PH500-M055	50-32703	PH140-0013
9-18614	PH200-T012	9-35423	PH500-M010	50-32703	PH130-0010
9-18615	PH200-T018	9-35424	PH500-M056	50-37274	PH130-0010
9-18616	PH200-T017	9-35425	PH500-M057	50-37345	PH130-0040
9-18540	PH200-WH01	9-35426	PH500-M015	50-38890	PH130-0040
9-19100	PH300-0013	9-35427	PH500-M058	50-38890A1	PH130-0040
9-19101	PH300-0010	9-35428	PH500-M008	50-41583	PH130-0072
9-19102	PH300-0011	9-35429	PH500-M009	50-44369	PH130-0015
9-19103	PH300-0016	9-35431	PH500-M030	50-44369A1	PH130-0015
9-19104	PH300-0012	9-35431	PH500-M031	50-44414	PH130-0046
9-19105	PH300-0002	9-35432	PH500-M013	50-44415	PH130-0046
9-19106	PH300-0008	9-35433	PH500-M014	50-45120	PH140-0013
9-19107	PH300-0044	9-35434	PH500-M007	50-45822	PH130-0010
9-19108	PH300-0032	9-35441	PH500-M020	50-46277	PH140-0013
9-19109	PH300-0033	9-42601	PH600-0003	50-46282	PH140-0013
9-19110	PH300-0034	9-42602	PH600-0001	50-47454	PH140-0010
9-19111	PH300-0035	9-42604	PH600-0002	50-47455	PH140-0010-CCW
9-19112	PH300-0030	9-42605	PH600-0004	50-48643	PH130-0010
9-19113	PH300-0022	9-42606	PH600-0005	50-514955	PH130-0069
9-19115	PH300-0008	9-42607	PH600-0006	50-514955-1	PH130-0069
9-19116	PH300-0039	<b>MANDO</b>		50-55304A1	PH130-0010
9-19200	PH300-0019	A000B0331	PH300-0010	50-55601A2	PH130-0040
9-19201	PH300-0031	A000B0341	PH300-0009	50-55801A	PH130-0040
9-19202	PH300-0048	AC155603	PH300-0010	50-56886	PH140-0001
9-19204	PH300-0021	AC155604	PH300-0010	50-57465	PH130-0042
9-25500	PH400-0003	AC155616	PH300-0011	50-57465A1	PH130-0042
9-25502	PH400-0007	AC155616	PH300-0016	50-57485	PH130-0041
9-25503	PH400-0005	AC165610	PH300-0016	50-575955	PH130-0068
9-25504	PH400-0004	AC165616	PH300-0016	50-57867	PH130-0042
9-25505	PH400-0008	AC165617	PH300-0012	50-58330	PH130-0042
9-25506	PH400-0006	AC165618	PH300-0014	50-583869	PH130-0047
9-25507	PH400-0002	AR150	PH300-0010	50-58788	PH130-0010
9-35300	PH500-M003	AR150AA	PH300-0010	50-59799	PH140-0013
9-35301	PH500-M002	AR150AR	PH300-0010	50-60315	PH130-0041
9-35305	PH500-M003	AR150BA	PH300-0010	50-60594A	PH130-0020
9-35350	PH500-M032	M50924	PH300-0012	50-60594A1	PH130-0020
9-35351	PH500-M033	M59207	PH300-0012	50-60594T01	PH130-0020
9-35352	PH500-M034	M59601	PH140-0017-HT	50-616955-1	PH130-0047
9-35353	PH500-M035	M59819	PH300-0014	50-64975	PH130-0037
9-35402	PH500-M037	TA000B0341	PH300-0009	50-65436	PH130-0041

PROTORQUE - Part Number Cross Reference



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# PROTORQUE - Part Number Cross Reference

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>MERCURY</b>		<b>MERCURY</b>		<b>MERCURY</b>	
50-65784A1	PH140-0010-CCW	50-812428A3	PH140-0017	50-857065	PH130-0034
50-65785A1	PH140-0010	50-812428A3	PH140-0017-HD	50-859168	PH130-0034
50-66015	PH130-0041	50-812428A3	PH140-0017-HT	50-859168T	PH130-0034
50-66015-1	PH130-0019	50-812429A2	PH140-0020	50-859169T	PH130-0029
50-66015-2	PH130-0041	50-812429A2	PH140-0020-HD	50-859170T	PH130-0028
50-66015-3	PH130-0019	50-812604A2	PH140-0017	50-859171T	PH130-0081
50-66015T	PH130-0019	50-812604A2	PH140-0017-HD	50-859377T	PH130-0033
50-66015T1	PH130-0041	50-812604A2	PH140-0017-HT	50-863007A1	PH140-0017-D
50-67341	PH130-0010	50-81490M	PH130-0007	50-864340A2	PH140-0017
50-69863A1	PH140-0013	50-814980M	PH130-0049	50-864340A2	PH140-0017-HD
50-69864A1	PH140-0013	50-818445	PH130-0023	50-864340A2	PH140-0017-HT
50-69865A1	PH140-0001	50-818445-2	PH130-0023	50-86976	PH130-0067
50-70604A3	PH140-0001-CCW	50-818445-3	PH130-0023	50-88119	PH130-0041
50-72467	PH130-0042	50-818445-5	PH130-0023	50-881368T	PH130-0057
50-73521	PH130-0011	50-819085	PH130-0047	50-881368T1	PH130-0057
50-73521T	PH130-0011	50-819085-1	PH130-0047	50-881368T2	PH130-0057
50-76963A3	PH140-0010-CCW	50-819085-T1	PH130-0047	50-884044T	PH130-0033
50-76965A1	PH140-0010-CCW	50-819271	PH130-0025	50-884045T	PH130-0028
50-76965A2	PH140-0010-CCW	50-819968	PH130-0009	50-884238T	PH130-0046
50-76965A3	PH140-0010-CCW	50-819968-1	PH130-0009	50-888151T	PH130-0029
50-76965A4	PH140-0010-CCW	50-819968-2	PH130-0009	50-888160T	PH130-0028
50-77141	PH130-0046	50-819968-3	PH130-0009	50-888161T	PH130-0033
50-79472	PH130-0046	50-819968-4	PH130-0009	50-892339T	PH130-0066
50-79472-1	PH130-0046	50-819968-T4	PH130-0009	50-893886T	PH130-0029
50-79472T2	PH130-0046	50-820193	PH130-0022	50-893887T	PH130-0028
50-79604A1	PH140-0010	50-820193-1	PH130-0022	50-893888T	PH130-0033
50-79604A3	PH140-0010	50-820193A1	PH130-0025	50-893889T	PH130-0021
50-79821A2	PH140-0013	50-820193-T1	PH130-0022	50-893890T	PH130-0024
50-79822A1	PH140-0013	50-822330A2	PH140-0017	50-893891T	PH130-0019
50-79823A1	PH140-0013	50-822330A2	PH140-0017-HD	50-893892T	PH130-0066
50-803835T02	PH130-0085	50-822330A2	PH140-0017-HT	50-897755T	PH300-0047
50-803900T	PH130-0069	50-822462	PH130-0024	50-898265001	PH130-0081
50-803903T	PH130-0068	50-822462-1	PH130-0024	50-898265003	PH130-0009
50-804312T1	PH130-0055	50-822462T1	PH130-0024	50-898265005	PH130-0011
50-805991	PH150-0008	50-825991A2	PH130-0014	50-898265013	PH130-0067
50-806963A2	PH140-0020	50-830308-1	PH130-0029	50-8M0033984	PH130-0021
50-806963A4	PH140-0020	50-830308T	PH130-0029	50-8M8021116	PH140-0017-D
50-806964A2	PH140-0017	50-831001562	PH150-0006	50-90983A	PH130-0021
50-806964A2	PH140-0017-HD	50-831001961	PH150-0006	50-90983A1	PH130-0021
50-806964A2	PH140-0017-HT	50-832997	PH130-0031	50-90983T1	PH130-0021
50-806964A3	PH140-0017	50-832997-1	PH130-0031	50-92669M	PH130-0007
50-806964A3	PH140-0017-HD	50-832997-2	PH130-0031	50-96359M	PH130-0049
50-806964A3	PH140-0017-HT	50-833153	PH130-0030	50-97072M	PH130-0007
50-806964A4	PH140-0017	50-833153-1	PH130-0030	50-97072T	PH130-0007
50-806964A4	PH140-0017-HD	50-833153-2	PH130-0030	50-97499A2	PH140-0010
50-806964A4	PH140-0017-HT	50-833153-5	PH130-0030	50-97499R2	PH140-0010
50-806965A2	PH140-0020	50-833153T4	PH130-0030	50-97499R4	PH140-0010
50-806965A4	PH140-0020	50-834749	PH130-0081	50-97693M	PH130-0049
50-807904A1	PH140-0016-HT	50-852570	PH130-0034	50-99417A2	PH140-0013
50-807907	PH140-0017	50-852570T	PH130-0034	50-99418A2	PH140-0015
50-807907	PH140-0017-HD	50-853329T	PH130-0066	50-99419A3	PH140-0010-CCW
50-807907	PH140-0017-HT	50-853805T03	PH130-0006	87-18211	PH360-0006
50-808011A05	PH140-0019-CCW	50-853869	PH130-0009	87-803632T	PH360-0004
50-808011A05	PH140-0022-CCW	50-853869T	PH130-0009	87-F660917	PH360-0004
50-808011A1	PH140-0010-CCW	50-854636	PH130-0028	88-79023A10	PH365-0003
50-808011A4	PH140-0019-CCW	50-854636T	PH130-0028	88-79023T10	PH365-0003
50-808011A4	PH140-0022-CCW	50-856996T	PH130-0067	88-79023A90	PH365-0007





## PART NUMBER CROSS REFERENCE

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
MERCURY		MERCURY		MERCURY	
88-79023T90	PH365-0007	14336A15	PH200-T019-SK	71683	PH600-0006
88-79023A91	PH365-0007	14336A17	PH200-T019-SK	71683A1	PH600-0006
88-79023A92	PH365-0007	14336A20	PH200-T016	76395A2	PH200-T026
88-79023T92	PH365-0007	14336A22	PH200-T019-SK	76395A5	PH200-T026
89-18080	PH375-0004	14336A25	PH200-T016	78402	PH300-0010
89-68258	PH375-0028	14336A28	PH200-T019-SK	78402	PH300-0022
89-68258A4	PH375-0028	14336A31	PH200-T016	78402	PH300-0022-CHO
89-76416A1	PH375-0027	17437	PH600-0005	78402	PH300-0022-HO
89-803632T	PH375-0052	17649A1	PH200-T015	78403	PH300-0010
89-817109A1	PH375-0037	17670	PH600-0002	78403	PH300-0022
89-817109A2	PH375-0037	18525A1	PH200-T064-1B	78403	PH300-0022-CHO
89-817109A3	PH375-0037	19685	PH300-0010	78403	PH300-0022-HO
89-818864	PH375-0035	25661	PH375-0011	78403A1	PH300-0010
89-818864T	PH375-0035	25661-1	PH375-0011	78403A1	PH300-0022
89-818997A1	PH375-0034	25661T1	PH375-0011	78403A1	PH300-0022-CHO
89-818997A2	PH375-0034	32701	PH300-0028	78403A1	PH300-0022-HO
89-818997T1	PH375-0034	32701	PH300-0028-HO	78403A2	PH300-0010
89-818998A1	PH375-0034	32722	PH500-M037	78403A2	PH300-0022
89-818998A2	PH375-0034	33261	PH375-0001	78403A2	PH300-0022-CHO
89-818999A1	PH375-0036	33261	PH375-0004	78403A2	PH300-0022-HO
89-818999A2	PH375-0036	33957	PH600-0004	78820	PH500-M051
89-825096	PH375-0041	37369	PH600-0004	86177	PH175-0012
89-825096T	PH375-0041	41141A2	PH500-M056	86177-1	PH175-0012
89-825842A1	PH375-0036	43113M	PH500-M003	86234A05	PH500-M052
89-850187A1	PH375-0034	43113T	PH500-M003	86234A4	PH500-M052
89-850187T1	PH375-0034	42419A1	PH200-T065	86246	PH500-M050
89-850188A1	PH375-0036	42419A1	PH200-T065-K	86246T	PH500-M050
89-850188T1	PH375-0036	42419A1	PH200-T066	86247	PH500-M051
89-853654A1	PH375-0028	42419A1	PH200-T066-K	86247A2	PH500-M051
89-8M0098898	PH375-0041	42725A3	PH500-M055	86247T	PH500-M051
89-95642M	PH375-0041	46860	PH500-M051	86617A20	PH400-0008
89-96054	PH375-0038	47886	PH375-0012	87828	PH200-T015
89-96054T	PH375-0038	47886T	PH375-0012	88183A5	PH200-T016
89-96158	PH375-0039	52353	PH600-0004	88183A12	PH200-T016-K
89-96158T	PH375-0039	56045	PH300-0013	88183A12	PH200-T016-SK
89-99253	PH375-0004	56045	PH300-0013-HO	88316A1	PH200-T064-4B
89-F460917-1	PH375-0052	57380	PH175-0002	88475A5	PH200-T026
398-5255	PH400-0001	57380	PH175-0014	89902	PH375-0001
398-5454A17	PH400-0003	59755	PH300-0013	92459A3	PH200-T063
398-5454A26	PH400-0005	59755	PH300-0013-HO	92459A4	PH200-T008
398-5454A35	PH400-0004	60658	PH600-0005	92459A8	PH200-T063
398-5454A7	PH400-0007	60687	PH375-0001	92497	PH300-0010
398-5704A7	PH400-0006	62092	PH500-M045	92497A3	PH300-0010
398-832075A4	PH400-0002	62092T	PH500-M045	92975A6	PH200-T026
398-832075A21	PH400-0002	62351A1	PH350-0003	9297A28	PH200-T026
12449	PH300-0010	62351A2	PH350-0003	93247A4	PH200-T026
13037	PH375-0001	63196	PH500-M051	93247A7	PH200-T026
13310T1	PH175-0007	65057A1	PH375-0031	96562	PH175-0008
14307-1	PH500-M005	65057T1	PH375-0031	97399	PH500-M015
14307A1	PH500-M005	65142	PH600-0004	97399A2	PH500-M015
14307T	PH500-M005	65142A1	PH600-0004	97401A2	PH500-M010
14307T01	PH500-M005	67859	PH600-0002	97401A8	PH500-M010
14336A6	PH200-T016-K	67914A2	PH200-T026	97694M	PH175-0016
14336A6	PH200-T016-SK	68575	PH175-0006	97694T	PH175-0016
14336A8	PH200-T016	68575-3	PH175-0006	98555	PH300-0010
14336A9	PH200-T016-K	69729	PH300-0013	99186	PH200-T011
14336A9	PH200-T016-SK	69729	PH300-0013-HO	99186-1	PH200-T011

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Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
MERCURY		MERCURY		MERCURY	
99186T	PH200-T011	817119A4	PH300-0010	861678A1	PH500-M010
802139A1	PH375-0033	817411-1	PH350-0004	862030	PH300-0033
802141	PH375-0029	8174111	PH350-0004	862030-1	PH300-0033
802360	PH350-0002	817479A1	PH200-T003	862030T	PH300-0033
802360T	PH350-0002	818161A2	PH200-T063	862031	PH300-0034
802369	PH350-0001	818383T	PH500-M016	862031T	PH300-0034
802369T	PH350-0001	819085	PH130-0047	862031T1	PH300-0034
802508	PH200-T020	819085-1	PH130-0047	862048A1	PH500-M015
802587T01	PH175-0013	819085-T1	PH130-0047	862077A1	PH500-M056
802665	PH175-0009	819479A1	PH200-T003	862548A1	PH200-T067
802665T	PH175-0009	819480A1	PH200-T003	863007A1	PH140-0017-D
803822T	PH375-0030	820583	PH175-0005	863077-1	PH300-0035
803835T02	PH130-0085	821663	PH300-0019	863077R01	PH300-0035
805447T	PH300-0016	821663-1	PH300-0019	863077T	PH300-0035
805656-1	PH500-M008	821663A1	PH300-0019	865380A02	PH200-T019-SK
805656A2	PH500-M008	822462T1	PH130-0024	865380A03	PH200-T016
805656A5	PH500-M008	823653A5	PH200-T008	865380A05	PH200-T019-SK
805656A6	PH500-M008	824051	PH200-T033	865380A13	PH200-T016
805884	PH300-0016	825096T01	ph375-0041	865380A25	PH200-T019-SK
805884P	PH300-0016	825991A2	PH130-0014	866169A01	PH500-M063
805884T	PH300-0016	827675A1	PH200-T002	866169T01	PH500-M063
807652	PH300-0011	827682	PH500-M018	866170A01	PH500-M062
807652T	PH300-0011	827682T	PH500-M018	875285T1	PH300-0030
807653	PH300-0012	828151	PH360-0008	875286A1	PH300-0031
807653T	PH300-0012	828151A1	PH360-0008	875286T	PH300-0031
808505	PH500-M018	828506	PH300-0021	878265A1	PH200-T010
808505T	PH500-M018	828708	PH200-T010	878265A4	PH200-T010
808505T01	PH500-M018	830179-2	PH350-0005	879058	PH360-0006
809088T	PH500-M018	830179A1	PH350-0004	880596T55	PH500-M001
809088T1	PH500-M018	830179T	PH350-0005	880596T58	PH500-M026
809463A1	PH375-0008	846859A4	PH200-T063	880817	PH600-0004
809885A1	PH200-T003	850399	PH600-0005	880817R04	PH600-0004
809885A2	PH200-T003	850399-1	PH600-0005	880889T01	PH500-M024
809885T2	PH200-T003	850454-1	PH600-0002	880889T02	PH500-M029
811573	PH600-0002	853329T	PH130-0066	881247A1	PH300-0031
811628	PH200-T032	853805T03	PH130-0006	881248T	PH300-0030
811674	PH200-T003	854514A1	PH350-0004	881368T1	PH130-0057
811699	PH200-T003	854514T1	PH350-0006	881368T2	PH130-0057
811841	PH600-0005	854515	PH350-0005	881705T1	PH500-M060
811902	PH175-0009	854515-1	PH350-0006	882751A1	PH360-0008
812454A1	PH500-M015	854515T	PH350-0005	883071	PH350-0004
812454A3	PH500-M015	854515T1	PH350-0005	883071A1	PH350-0004
813447	PH200-T003	854515T2	PH350-0006	883071T	PH350-0004
814755	PH600-0004	854636T	PH130-0028	883071T1	PH350-0006
815279-2	PH350-0005	855427A1	PH500-M059	883072	PH350-0005
815279-3	PH350-0005	855843-2	PH500-M070	883072-1	PH350-0006
815279-4	PH350-0004	856748	PH350-0005	883072T	PH350-0005
815279-5	PH350-0005	857006T	PH300-0030	883072T1	PH350-0006
815279T	PH350-0005	859168	PH130-0034	883072T2	PH350-0006
815279T4	PH350-0004	859168T	PH130-0034	883202A1	PH500-M028
815279T5	PH350-0004	859170T	PH130-0028	883202A02	PH500-M028
816770	PH350-0003	861155A3	PH500-M013	883202T1	PH500-M028
816770T	PH350-0003	861155A5	PH500-M008	883202T02	PH500-M028
817119	PH300-0010	861155A6	PH500-M008	883514	PH600-0003
817119-1	PH300-0010	861156A1	PH500-M014	883885	PH600-0006
817119-2	PH300-0010	861676A1	PH500-M055	883925	PH600-0003
817119A1	PH300-0010	861677T	PH500-M016	884727	PH600-0004



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Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>MERCURY</b>		<b>MES</b>		<b>MES</b>	
884727001	PH600-0004	1700M	PH175-0001	3174M	PH375-0018
885654T1	PH200-T003	1701M	PH185-0001	3175M	PH375-0019
888246T	PH500-M006	1705M	PH185-0002	3178M	PH375-0020
888246T01	PH500-M006	1713M	PH175-0002	3179M	PH375-0021
888251T	PH500-M025	1717M	PH185-0003	3180M	PH375-0022
888251T01	PH500-M025	1718M	PH185-0004	3185M	PH375-0023
888251T02	PH500-M025	1726M	PH175-0003	3186M	PH300-0022
888725T1	PH500-M061	1729M	PH175-0004	3186M-C-HQ	PH300-0022-CHO
888725T02	PH500-M061	1733M	PH185-0005	3186M-HO	PH300-0022-HO
888733T1	PH500-M027	1780M	PH350-0001	3187M-OE	PH300-0023-OE
888733T02	PH500-M027	1781M	PH350-0002	3188M-OE	PH300-0024-OE
889955	PH300-0030	1782M	PH350-0003	3189M-OE	PH300-0025-OE
889955A03	PH300-0030	1783M	PH350-0004	3190M-OE	PH300-0026-OE
889956	PH300-0031	1784M	PH350-0005	3191M-OE	PH300-0027-OE
892339T	PH130-0066	1785M	PH350-0006	3192M	PH300-0028
892940T	PH300-0048	1786M	PH350-0006	3192M-HO	PH300-0028-HO
892940T01	PH300-0048	1787M	PH350-0004	3197M-HO	PH300-0029
893640T01	PH350-0006	1788M	PH350-0005	3200M	PH300-0030
893887T	PH130-0028	1789M	PH350-0006	3201M	PH300-0031
893890T	PH130-0024	1902M	PH375-0008	3202M	PH300-0032
893892T	PH130-0066	1916M	PH375-0009	3203M	PH300-0033
893907A02	PH200-T003	1922M	PH375-0010	3204M	PH300-0034
897755T	PH300-0047	1937M	PH375-0011	3205M	PH300-0035
2733261	PH375-0001	1938M	PH375-0012	3206M	PH300-0036
8733261	PH375-0001	1950M	PH375-0013	3207M	PH300-0037
892114-001	PH350-0004	1950M-OE	PH375-0013-OE	3208M	PH300-0038
892114001	PH350-0004	197M	PH375-0001	3209M	PH300-0039
892115-001	PH350-0005	1989M	PH375-0014	3210M	PH300-0040
892115001	PH350-0005	199M	PH375-0002	3211M	PH300-0041
892115-002	PH350-0006	200M	PH375-0003	3212M	PH300-0042
892115002	PH350-0006	2086M	PH375-0015	3213M	PH300-0043
893640-001	PH350-0006	274M	PH300-0001	3214M	PH300-0044
893640001	PH350-0006	3070M	PH375-0016	3215M	PH300-0045
893640-002	PH350-0006	3096M	PH150-0012	3216M	PH300-0046
893640002	PH350-0006	3096ML	PH150-0012-CCW	3249M	PH375-0024
893640-003	PH350-0004	3140M-D	PH300-0007	3250M	PH375-0025
893640003	PH350-0004	3141M	PH300-0008	3251M	PH375-0026
893640T01	PH350-0006	3141M-D	PH300-0008-D	325M	PH375-0004
8M0006034	PH350-0005	3141M-D-HO	PH300-0008-DHO	3270M	PH105-D001
8M0027324	PH350-0006	3141M-OE	PH300-0008-OE	3270M	PH105-D001-G
8M0047624	PH500-M070	3143M	PH300-0009	3271M	PH105-D002
8M0058164	PH500-M010	3144M	PH300-0010	3273M	PH105-D003
8M0058226	PH350-0003	3145M	PH300-0011	3274M	PH105-D004
8M0065218	PH500-M029	3146M	PH300-0012	3275M	PH105-D005
8M0073435	PH500-M055	3147M	PH300-0013	3276M	PH105-D006
8M0084173	PH350-0005	3147M-C-HQ	PH300-0013-CHO	3364M	PH375-0027
F460917	PH375-0052	3147M-HO	PH300-0013-HO	3365M	PH375-0028
F660917	PH360-0004	3149M	PH300-0014	3366M	PH375-0029
FI1100785	PH600-0004	3150M	PH300-0015	3367M	PH375-0030
FI1101079	PH600-0004	3159M	PH300-0016	3368M	PH375-0031
F2774666	PH600-0004	3160M	PH300-0017	3369M	PH375-0032
FI8308762	PH500-M043	3160M-D-HO	PH300-0017-DHO	3370M	PH375-0033
<b>MES</b>		3161M	PH300-0018	3371M	PH375-0034
1018M	PH375-0006	3162M	PH300-0019	3372M	PH375-0035
1019M	PH375-0007	3163M	PH300-0020	3373M	PH375-0036
1049M	PH300-0006	3164M	PH300-0021	3374M	PH375-0037
		3173M	PH375-0017	337M	PH140-0001

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Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
MES		MES		MES	
337ML	PH140-0001-CCW	6807M	PH150-0019	S1096M-8	PH100-SD03
3386M	PH375-0038	6807ML	PH150-0019-CCW	S1096M-9	PH100-SD04
3387M	PH375-0039	6808M	PH150-0020	S1096MHT-8	PH100-SD03-G
338M	PH140-0002	6808ML	PH150-0020-CCW	S1096MHT-9	PH100-SD04-G
339M	PH140-0003	6900M	PH150-0021	S1097M	PH100-TS01
339ML	PH140-0003-CCW	6900ML	PH150-0021-CCW	S1097MHT	PH100-TS01-G
382M	PH300-0002	6901M	PH150-0022	S1098M	PH100-SD05
399M	PH375-0005	6901ML	PH150-0022-CCW	S1098MHT	PH100-SD05-G
400M	PH300-0003	9150M	PH365-0001	S1099M	PH100-YA02
400M-HO	PH300-0003-HO	9151M	PH365-0002	S1099MHT	PH100-YA02-G
405M	PH300-0004	D1000M	PH175-0005	S1100M	PH100-KW03
405M-HO	PH300-0004-HO	D1001M	PH175-0006	S1100MHT	PH100-KW03-G
430M	PH300-0005	D1002M	PH175-0007	S1101M	PH100-HN01
5075M	PH140-0004	D1003M	PH175-0008	S1101MHT	PH100-HN01-G
5075ML	PH140-0004-CCW	D1004M	PH175-0009	S1102M	PH100-SD06
5076M	PH140-0005	D1005M	PH175-0010	S1102MHT	PH100-SD06-G
5077M	PH140-0006	D1006M	PH175-0011	S1103M	PH100-YA03
5203M	PH140-0007	D1007M	PH175-0012	S1103MHT	PH100-YA03-G
5209M	PH140-0008	D1008M	PH175-0013	S1104M	PH100-PL02
5219M	PH140-0009	D1009M	PH175-0014	S1104MHT	PH100-PL02-G
5276M	PH140-0010	D1010M	PH175-0015	S1105M	PH100-YA04
5276ML	PH140-0010-CCW	D1011M	PH175-0016	S1105MHT	PH100-YA04-G
5311M	PH140-0011	D2000M	PH175-0017	S1106M	PH100-YA05
5311ML	PH140-0011-CCW	D2001M	PH175-0018	S1106MHT	PH100-YA05-G
5312M	PH140-0012	D2002M	PH175-0019	S1107M	PH100-YA06
5312ML	PH140-0012-CCW	FU001M	PH365-0003	S1107MHT	PH100-YA06-G
5314M	PH140-0013	MEBLT-01	PH365-0004	S1108M	PH100-KW04
5314ML	PH140-0013-CCW	MEBLT-02	PH365-0005	S1108MHT	PH100-KW04-G
5315M	PH140-0014	RL-001	PH360-0001	S1109M	PH100-YA07
5323M	PH140-0015	RL-002	PH360-0002	S1663M	PH140-0023
5323ML	PH140-0015-CCW	RL-003	PH360-0003	S2009M	PH150-0001
5398MHT	PH140-0016-HT	RL-004	PH360-0004	S2030M	PH130-0008
5399M	PH140-0017	RL-005	PH360-0005	S2031M	PH130-0009
5399M-D	PH140-0017-D	RL-006	PH360-0006	S2032M	PH130-0010
5399M-HD	PH140-0017-HD	RL-007	PH360-0007	S2033M	PH130-0011
5399MHT	PH140-0017-HT	RSV01	PH200-T064-1B	S2034M	PH130-0012
5400M	PH140-0018	RSV02	PH200-T064-4B	S2035M	PH130-0013
5400M-HD	PH140-0018-HD	RSV03	PH200-T064-4B-L	S2036M	PH130-0014
5400ML	PH140-0019-CCW	S1060M	PH130-0001	S2037M	PH130-0015
5400ML-HD	PH140-0019-CCW	S1065M	PH130-0002	S2038M	PH130-0016
5401M	PH140-0020	S1066M	PH130-0003	S2039M	PH130-0017
5401M-D	PH140-0020-D	S1067M	PH130-0004	S2040M	PH130-0018
5401M-HD	PH140-0020-HD	S1070M	PH130-0005	S2041M	PH130-0019
5402M	PH140-0021	S1071M	PH130-0006	S2042M	PH130-0020
5500M	PH140-0022	S1072M	PH130-0007	S2043M	PH130-0021
5500ML	PH140-0022-CCW	S1090M	PH100-SD01	S2044M	PH130-0022
6606M	PH150-0013	S1090MHT	PH100-SD01-G	S2045M	PH130-0023
6606ML	PH150-0013-CCW	S1091M	PH100-SD02	S2046M	PH130-0024
6607M	PH150-0014	S1091MHT	PH100-SD02-G	S2047M	PH130-0025
6800M	PH150-0015	S1092M	PH100-KW01	S2048M	PH130-0026
6800ML	PH150-0015-CCW	S1092MHT	PH100-KW01-G	S2049M	PH130-0027
6801M	PH150-0016	S1093M	PH100-PL01	S2050M	PH130-0028
6801ML	PH150-0016-CCW	S1093MHT	PH100-PL01-G	S2051M	PH130-0029
6802M	PH150-0017	S1094M	PH100-KW02	S2052M	PH130-0030
6802ML	PH150-0017-CCW	S1094MHT	PH100-KW02-G	S2053M	PH130-0031
6806M	PH150-0018	S1095M	PH100-YA01	S2054M	PH130-0032
6806ML	PH150-0018-CCW	S1095MHT	PH100-YA01-G	S2055M	PH130-0033





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Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>MES</b>		<b>MES</b>		<b>MES</b>	
S2056M	PH130-0034	SL4001	PH375-0041	T1184M	PH200-T054
S2057M	PH130-0035	SL4002	PH375-0042	T1185M	PH200-T055
S2058M	PH130-0036	STUD-01	PH365-0006	T1186M	PH200-T056
S2059M	PH130-0037	T1073M	PH200-T01	T1187M	PH200-T057
S2060M	PH130-0038	T1074M	PH200-T02	T1188M	PH200-T058
S2061M	PH130-0039	T1075M	PH200-T03	T1189M	PH200-T041
S2062M	PH130-0040	T1076M	PH200-T04	T1190M	PH200-T046
S2063M	PH130-0041	T1077M	PH200-T05	WP307M	PH600-0001
S2064M	PH130-0042	T1078M	PH200-T06	WP415M	PH600-0002
S2065M	PH130-0043	T1079M	PH200-T07	WP425M	PH600-0003
S2066M	PH130-0044	T1080M	PH200-T08	WP447M	PH600-0004
S2067M	PH130-0045	T1081M	PH200-T09	WP453ML	PH600-0005
S2068M	PH130-0046	T1082M	PH200-T010	WP520M	PH600-0006
S2069M	PH130-0047	T1083M	PH200-T011	<b>mitsuba</b>	
S2070M	PH130-0048	T1083M-R	PH200-T011-R	S13-237	PH100-YA01
S2071M	PH130-0049	T1084M	PH200-T012	S13-237	PH100-YA01-G
S2072M	PH130-0050	T1085M	PH200-T013	<b>MITSUBISHI</b>	
S2073M	PH130-0051	T1086M	PH200-T014	MOT60381	PH130-0065
S2074M	PH130-0052	T1087M	PH200-T015	MOT65081	PH130-0064
S2075M	PH130-0053	T1088M	PH200-T016	MOT65481	PH130-0088
S2076M	PH130-0054	T1088M-SK	PH200-T016-SK	M1T68581	PH130-0070
S2077M	PH130-0055	T1088M-SM	PH200-T016-SM	M2T53080	PH140-0024
S2078M	PH130-0056	T1089M	PH200-T017	M2T53081	PH140-0024
S2079M	PH130-0057	T1090M	PH200-T018	M2T53082	PH140-0024
S2080M	PH130-0058	T1091M-SK	PH200-T019-SK	M2T53083	PH140-0024
S2081M	PH130-0059	T1150M	PH200-T020	M2T53085	PH140-0024
S2082M	PH130-0060	T1151M	PH200-T021	M2T53281	PH140-0024
S2083M	PH130-0061	T1152M	PH200-T022	M2T53282	PH140-0024
S2084M	PH130-0062	T1153M	PH200-T023	M2T54806	PH140-0024
S2085M	PH130-0063	T1154M	PH200-T024	<b>MOTOROLA</b>	
S2086M	PH130-0064	T1155M	PH200-T025	10-224	PH300-0022
S2087M	PH130-0065	T1156M	PH200-T026	10-224	PH300-0022-CHO
S2088M	PH130-0066	T1157M	PH200-T027	10-224	PH300-0022-HO
S2089M	PH130-0067	T1158M	PH200-T028	10-331	PH300-0009
S2090M	PH130-0068	T1159M	PH200-T029	2937110A	PH300-0023-OE
S2091M	PH130-0069	T1160M	PH200-T030	510-128	PH300-0023-OE
S2092M	PH130-0070	T1161M	PH200-T031	510-817	PH300-0025-OE
S2093M	PH130-0071	T1162M	PH200-T032	510-821	PH300-0023-OE
S2094M	PH130-0072	T1163M	PH200-T033	510-831	PH300-0024-OE
S2097M	PH130-0073	T1164M	PH200-T034	510-836	PH300-0023-OE
S2098M	PH130-0074	T1165M	PH200-T035	510-856	PH300-0023-OE
S2900M	PH150-0002	T1166M	PH200-T036	510-862	PH300-0023-OE
S3526M	PH150-0003	T1167M	PH200-T037	8EA2001FA	PH300-0009
S5318M	PH140-0024	T1168M	PH200-T038	8EA2002FA	PH300-0009
S5730M	PH150-0004	T1169M	PH200-T039	8EM2001F	PH300-0009
S5730M-OE	PH150-0004-OE	T1170M	PH200-T040	8EM2001FA	PH300-0009
S5731M	PH150-0005	T1172M	PH200-T042	8EM2001FAS	PH300-0009
S5732M	PH150-0006	T1173M	PH200-T043	8EM2007K	PH300-0010
S7050M	PH150-0007	T1174M	PH200-T044	8EM2007KA	PH300-0010
S7050M-OE	PH150-0007-OE	T1175M	PH200-T045	8EM2010KA	PH300-0010
S7051M	PH150-0008	T1177M	PH200-T047	8MR2023F	PH300-0022
S7052M	PH150-0009	T1178M	PH200-T048	8MR2023F	PH300-0022-CHO
S7053M	PH150-0010	T1179M	PH200-T049	8MR2023F	PH300-0022-HO
S7055M	PH150-0011	T1180M	PH200-T050	8MR2023FA	PH300-0022
SKB-01	PH200-T066	T1181M	PH200-T051		
SKB-02	PH200-T067	T1182M	PH200-T052		
SL4000	PH375-0040	T1183M	PH200-T053		

PROTORQUE - Part Number Cross Reference



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Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>MOTOROLA</b>		<b>OMC</b>		<b>OMC</b>	
8MR2023FA	PH300-0022-CHO	172543	PH200-T031	384118	PH140-0013
8MR2023FA	PH300-0022-HO	172588	PH200-T049	384163	PH130-0004
8MR2024F	PH300-0022	172655	PH200-T052	384163	PH130-0045
8MR2024F	PH300-0022-CHO	172850	PH200-T052	384198	PH140-0013
8MR2024F	PH300-0022-HO	172869	PH375-0033	384233	PH300-0007
8MR2199K	PH300-0009	173596	PH200-T052	384242	PH140-0013-CCW
8MR2199KS	PH300-0009	173692	PH350-0002	384243	PH140-0015-CCW
9AR2775F	PH300-0024-OE	173944	PH200-T049	384777	PH130-0043
9AR2775G	PH300-0024-OE	277432	PH130-0001	384781	PH175-0003
9AR3649G	PH300-0023-OE	277432	PH130-0038	384914	PH130-0086
9AR3711G	PH300-0023-OE	278232	PH130-0001	385401	PH130-0001
9AR3711G01	PH300-0023-OE	278232	PH130-0038	385401	PH130-0038
9AR3711G02	PH300-0023-OE	286286	PH130-0018	385529	PH130-0003
9AR3743G	PH300-0023-OE	319977	PH175-0016	385529	PH130-0044
9AR3790G	PH300-0023-OE	321648	PH175-0001	385781	PH500-M034
9AR3791G	PH300-0023-OE	327381	PH185-0001	385784	PH500-M036
9AR3947G	PH300-0023-OE	378444	PH375-0032	385844	PH185-0001
<b>NIKKO</b>		378674	PH130-0001	385949	PH175-0004
0-47100-4100	PH375-0015	378674	PH130-0038	386430	PH130-0014
0-47100-4160	PH375-0015	379091	PH130-0001	386465	PH130-0003
0-47100-4390	PH375-0015	379091	PH130-0038	386465	PH130-0044
<b>NIPPONDENSO</b>		379761	PH300-0028	386591	PH130-0001
028300-6000	PH105-D005	379761	PH300-0028-HO	386591	PH130-0038
028300-7711	PH105-D005	379818	PH130-0001	386597	PH130-0001
101211-3020	PH300-0019	379818	PH130-0038	386597	PH130-0038
101211-3021	PH300-0019	380095	PH375-0012	386657	PH130-0002
101211-3380	PH300-0021	380139	PH130-0001	386657	PH130-0043
101211-9940	PH300-0018	380139	PH130-0038	386678	PH185-0007
128000-4860	PH100-SD01	380238	PH130-0001	386834	PH500-M032
128000-4860	PH100-SD01-G	380238	PH130-0038	387094	PH130-0039
128000-4861	PH100-SD01	380239	PH130-0001	387277	PH200-T020
128000-4861	PH100-SD01-G	380239	PH130-0038	387683	PH175-0007
128000-4862	PH100-SD01	380361	PH200-T013	387684	PH130-0004
128000-4862	PH100-SD01-G	380640	PH600-0004	387684	PH130-0045
128000-4863	PH100-SD01	380986	PH500-M038	387768	PH185-0005
128000-4863	PH100-SD01-G	381166	PH300-0007	388268	PH500-M034
128000-4864	PH100-SD01	381519	PH300-0007	388685	PH500-M032
128000-4864	PH100-SD01-G	381600	PH500-M036	388955	PH350-0001
128000-5300	PH150-0006	381764	PH500-M053	389275	PH130-0004
128000-5301	PH150-0006	381781	PH140-0013	389275	PH130-0045
222800-4550	PH100-SD02	381864	PH130-0001	389380	PH130-0003
228000-2030	PH150-0005	381864	PH130-0038	389380	PH130-0044
228000-2031	PH150-0005	382138	PH200-T013	389398	PH375-0012
228000-2032	PH150-0005	382218	PH600-0005	389493	PH375-0012
228000-4550	PH100-SD02-G	382220	PH200-T013	389954	PH130-0003
228000-4560	PH100-SD04	382354	PH500-M034	389954	PH130-0044
228000-4560	PH100-SD04-G	382715	PH200-T031	390124	PH350-0001
228000-6240	PH100-SD03	382843	PH500-M036	391264	PH200-T014
228000-6240	PH100-SD03-G	382872	PH500-M036	391511	PH130-0008
228000-6290	PH150-0005	382875	PH500-M032	391554	PH130-0003
228000-6291	PH150-0005	383433	PH300-0007	391554	PH130-0044
428000-0081	PH100-KW03	383443	PH300-0007	391638	PH500-M032
<b>NISSAN</b>		383575	PH130-0086	391735	PH130-0002
23300-K8405	PH130-0052	383622	PH140-0013	391735	PH130-0043
		383691	PH130-0002	392133	PH130-0001
		383691	PH130-0043	392133	PH130-0038
		383765	PH500-M036	393259	PH200-T014



## PART NUMBER CROSS REFERENCE

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
OMC		OMC		OMC	
393570	PH130-0012	509395	PH500-M052	585196	PH130-0044
393648	PH500-M036	509396	PH500-M045	585197	PH130-0002
393988	PH200-T014	509404	PH500-M010	585197	PH130-0043
394176	PH200-T014	509407	PH500-M055	585265	PH185-0005
394543	PH500-M034	509408	PH500-M056	585266	PH185-0001
394716	PH500-M036	509409	PH500-M050	585267	PH175-0018
394789	PH500-M032	509410	PH500-M051	585269	PH175-0017
395090	PH500-M032	580795	PH350-0001	585459	PH130-0017
395091	PH500-M032	580841	PH350-0001	585603	PH130-0004
395107	PH500-M036	581305	PH350-0001	585603	PH130-0045
395207	PH130-0039	581366	PH350-0002	586100	PH175-0018
395419	PH375-0012	581528	PH375-0033	586101	PH175-0017
395712	PH500-M036	581603	PH350-0001	586147	PH360-0001
395713	PH500-M034	581778	PH350-0002	586180	PH375-0012
395718	PH500-M036	582047	PH200-T020	586224	PH360-0001
395840	PH200-T014	582048	PH200-T020	586257	PH130-0032
396235	PH130-0008	582155	PH200-T020	586274	PH130-0036
397023	PH130-0008	582195	PH360-0001	586275	PH130-0013
397274	PH500-M032	582304	PH350-0002	586276	PH130-0014
397275	PH500-M032	582307	PH350-0001	586277	PH130-0026
397839	PH500-M032	582399	PH350-0001	586278	PH130-0001
397845	PH500-M032	582472	PH360-0001	586278	PH130-0038
398338	PH500-M034	582473	PH360-0001	586279	PH130-0016
398385	PH500-M036	582708	PH375-0012	586280	PH130-0004
398387	PH500-M034	583408	PH350-0001	586280	PH130-0045
398678	PH500-M036	583473	PH130-0017	586281	PH130-0002
432451	PH500-M034	583482	PH130-0016	586281	PH130-0043
432925	PH130-0018	583940	PH350-0002	586282	PH130-0003
433226	PH200-T022	584107	PH200-T020	586282	PH130-0044
433386	PH500-M035	584109	PH400-0010	586283	PH130-0003
433387	PH500-M034	584128	PH375-0029	586283	PH130-0044
433390	PH500-M036	584416	PH360-0001	586284	PH130-0027
434495	PH200-T005	584580	PH375-0051	586285	PH130-0012
434495	PH200-T006	584608	PH130-0013	586286	PH130-0018
434496	PH200-T005	584613	PH130-0036	586287	PH130-0032
434496	PH200-T006	584643	PH400-0009	586288	PH130-0039
434795	PH200-T014	584799	PH130-0008	586289	PH130-0008
435532	PH200-T021	584818	PH130-0026	586392	PH175-0015
435548	PH200-T042	584980	PH130-0027	586411	PH130-0008
437666	PH200-T014	584981	PH400-0010	586730	PH375-0027
437801	PH200-T021	585050	PH130-0002	586731	PH130-0008
438529	PH200-T005	585050	PH130-0043	586767	PH360-0009
438529	PH200-T006	585051	PH130-0003	586768	PH130-0035
438531	PH200-T005	585051	PH130-0044	586774	PH375-0050
438531	PH200-T006	585056	PH130-0016	586842	PH375-0027
438555	PH500-M035	585057	PH130-0003	586890	PH130-0008
438556	PH500-M034	585057	PH130-0044	586897	PH130-0008
438559	PH500-M036	585058	PH130-0002	586957	PH130-0008
438562	PH500-M033	585058	PH130-0043	587020	PH375-0049
438786	PH200-T004	585059	PH130-0017	587045	PH130-0035
438878	PH130-0032	585060	PH130-0012	686505	PH140-0015
439937	PH200-T004	585061	PH130-0001	763759	PH400-0010
508905	PH375-0011	585061	PH130-0038	763779	PH400-0009
508908	PH375-0031	585062	PH130-0039	765591	PH500-M036
508943	PH375-0001	585063	PH130-0004	765597	PH500-M032
509219	PH350-0003	585063	PH130-0045	777670	PH350-0001
509355	PH600-0005	585196	PH130-0003	777675	PH350-0002

**PROTORQUE - Part Number Cross Reference**



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Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
OMC		OMC		OMC	
777693	PH130-0039	982517	PH600-0006	3853839	PH375-0027
777699	PH375-0033	982706	PH200-T009	3853850	PH600-0005
777700	PH375-0032	982957	PH200-T051	3853869	PH375-0004
777702	PH360-0001	982997	PH500-M058	3853998	PH375-0004
777707	PH175-0003	983019	PH200-T014	3854000	PH375-0004
777709	PH175-0007	983195	PH200-T051	3854017	PH600-0004
777710	PH175-0018	983248	PH140-0013	3854053	PH500-M064
777711	PH175-0017	983296	PH600-0002	3854062	PH500-M030
777735	PH500-M034	983318	PH200-T074	3854118	PH600-0002
777750	PH500-M032	983424	PH300-0013	3854182	PH300-0014
777764	PH500-M035	983424	PH300-0013-HO	3854190	PH140-0004
777779	PH500-M033	983444	PH140-0013	3854194	PH375-0009
777784	PH200-T020	983446	PH200-T042	3854280	PH500-M031
778021	PH375-0030	983790	PH140-0013	3854620	PH500-M009
778025	PH375-0029	983836	PH300-0013	3854750	PH140-0020
778122	PH500-M046	983836	PH300-0013-HO	3854751	PH140-0017
778131	PH500-M058	984360	PH600-0004	3854751	PH140-0017-HD
778209	PH375-0027	984356	PH200-T056	3854751	PH140-0017-HT
778992	PH130-0039	984456	PH140-0015	3855276	PH500-M046
921288	PH140-0010-CCW	984536	PH140-0003	3855882	PH140-0020
941289	PH140-0010	984628	PH140-0002	3855958	PH500-M031
979774	PH375-0030	984982	PH140-0010-CCW	3855991	PH600-0002
980477	PH600-0005	985063	PH375-0029	3856004	PH140-0017
980801	PH375-0027	985064	PH375-0027	3856004	PH140-0017-HD
980803	PH140-0001	985237	PH200-T042	3856004	PH140-0017-HT
980820	PH140-0010-CCW	985429	PH600-0005	3856600	PH300-0014
980821	PH140-0010	985602	PH500-M052	3857561	PH300-0014
980890	PH500-M041	985603	PH500-M052	3857650	PH500-M031
981074	PH140-0013	985799	PH375-0004	3857985	PH500-M030
981075	PH140-0013-CCW	985964	PH300-0007	3857986	PH500-M009
981076	PH140-0013	985966	PH140-0013	3858261	PH500-M009
981078	PH140-0013	986007	PH140-0010-CCW	3858340	PH600-0004
981186	PH300-0007	986074	PH600-0002	3858463	PH140-0020-D
981187	PH300-0007	986280	PH200-T023	3858714	PH500-M030
981288	PH140-0010-CCW	986620	PH375-0004	3860171	PH300-0014
981289	PH140-0010	986779	PH600-0004	3860566	PH140-0017-D
981410	PH375-0029	987024	PH500-M064	3860769	PH300-0010
981650	PH500-M046	987447	PH600-0002	4820140	PH130-0041
981703	PH375-0027	987702	PH500-M009	5000369	PH175-0015
981821	PH140-0001	987811	PH140-0004	5005114	PH200-TS01
982058	PH200-T009	987883	PH375-0009	5005254	PH200-T004
982063	PH500-M045	987969	PH140-0001	5005817	PH200-T061
982069	PH200-T074	988012	PH140-0005	5005822	PH200-T072
982073	PH200-T074	988013	PH140-0003	5005831	PH200-T072
982107	PH140-0013	988013	PH140-0006	5005838	PH200-T061
982121	PH140-0013	988217	PH140-0020	5005875	PH200-T072
982187	PH375-0029	988247	PH300-0013	5006319	PH200-T061
982189	PH375-0027	988247	PH300-0013-HO	5009214	PH375-0050
982195	PH140-0010-CCW	3292133	PH130-0001	5030783	PH375-0041
982200	PH140-0013	3292133	PH130-0038	5031482	PH200-T062
982202	PH140-0010	3850526	PH140-0020	5031483	PH375-0047
982228	PH500-M049	3850809	PH500-M009	5032026	PH130-0083
982240	PH500-M052	3850810	PH500-M030	5032195	PH375-0047
982364	PH300-0022	3850817	PH500-M009	5032197	PH375-0048
982364	PH300-0022-CHO	3850818	PH500-M030	5032617	PH500-M071
982364	PH300-0022-HO	3853792	PH500-M046	5032670	PH200-T062
982515	PH600-0006	3853796	PH600-0006	5033702	PH500-M024





# PART NUMBER CROSS REFERENCE

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>OMC</b>		<b>PLEASURE CRAFT</b>		<b>PRESTOLITE</b>	
5036081	PH200-T062	RA097007L	PH300-0032	15-375	PH375-0028
5040343	PH130-0085	RA097009	PH300-0038	15-400	PH375-0028
<b>PARIS RHONE</b>		RA122001	PH140-0004	15-457	PH375-0052
100605	PH300-0008	RA122002	PH140-0001-CCW	46-37	PH130-0001
100605	PH300-0008-OE	RA122008	PH140-0010	46-37	PH130-0038
100606	PH300-0008	RA122009	PH140-0010-CCW	46-86	PH130-0001
100606	PH300-0008-OE	RA122009	PH140-0019-CCW	46-86	PH130-0038
100879	PH300-0025-OE	RA122009	PH140-0022-CCW	46-117	PH130-0001
181990	PH300-0025-OE	RA122015	PH140-0017	46-117	PH130-0038
A13N143M	PH300-0025-OE	RA122015	PH140-0017-HD	46-121	PH130-0001
A13N147M	PH300-0008	RA122015	PH140-0017-HT	46-121	PH130-0038
A13N147M	PH300-0008-OE	RK122014	PH140-0004	46-123	PH130-0001
A13N148M	PH300-0008	<b>POLARIS</b>		46-123	PH130-0038
A13N148M	PH300-0008-OE	3240110	PH100-PL01	46-124	PH140-0011
A13N152M	PH300-0025-OE	3240110	PH100-PL01-G	46-130	PH140-0011
A13N1M	PH300-0008	3240110	PH100-PL01-R	46-137	PH130-0001
A13N1M	PH300-0008-OE	3240120	PH105-D001	46-137	PH130-0038
A13N234	PH300-0027-OE	3240120	PH105-D001-G	46-139	PH130-0001
A13N259	PH300-0026-OE	3240122	PH105-D001	46-139	PH130-0038
A13N259M	PH300-0026-OE	3240122	PH105-D001-G	46-282	PH140-0011-CCW
A13N285M	PH300-0027-OE	3240281	PH100-PL01	46-304	PH130-0001
A13N2M	PH300-0008	3240281	PH100-PL01-G	46-304	PH130-0038
A13N2M	PH300-0008-OE	3240281	PH100-PL01-R	46-372	PH130-0001
A13N35M	PH300-0008	4010418	PH105-D001	46-372	PH130-0038
A13N35M	PH300-0008-OE	4010418	PH105-D001-G	46-452	PH130-0001
A13N36M	PH300-0025-OE	4010675	PH100-PL01	46-452	PH130-0038
A13N57M	PH300-0008	4010675	PH100-PL01-G	46-579	PH140-0011
A13N57M	PH300-0008-OE	4010675	PH100-PL01-R	46-587	PH130-0001
A13R11L	PH300-0023-OE	4010675	PH100-PL02	46-587	PH130-0038
D9R114	PH150-0007	4010675	PH100-PL02-G	46-776	PH130-0047
D9R114	PH150-0007-OE	4010675	PH100-PL02-R	46-779	PH130-0001
<b>PERKINS</b>		4060118	PH100-PL01	46-779	PH130-0038
31179	PH150-0003	4060118	PH100-PL01-G	46-781	PH130-0001
2873121	PH150-0003	4060118	PH100-PL01-R	46-781	PH130-0038
2873125	PH150-0003	4060118	PH100-PL02	46-936	PH130-0002
2873141	PH150-0003	4060118	PH100-PL02-G	46-936	PH130-0043
2871A453	PH300-0027-OE	4060118	PH100-PL02-R	46-966	PH140-0013-CCW
2873121T	PH150-0003	4060119	PH105-D001	46-976	PH130-0004
2873A010	PH150-0003	4060119	PH105-D001-G	46-976	PH130-0045
2873A010R	PH150-0003	4060119	PH105-D001-G	46-2022	PH140-0011-CCW
2873A102	PH150-0003	<b>PRESTOLITE</b>		46-2118	PH130-0002
2873D003	PH150-0003	15-4D	PH375-0001	46-2118	PH130-0043
<b>PLEASURE CRAFT</b>		15-40	PH375-0001	46-2119	PH130-0044
R130001	PH375-0027	15-66	PH375-0032	46-2122	PH130-0004
R130014	PH375-0052	15-72	PH375-0032	46-2122	PH130-0045
RA057004	PH600-0006	15-72	PH375-0032	46-2129	PH130-0069
RA057018	PH600-0005	15-88	PH375-0024	46-2143	PH130-0069
RA057019	PH600-0002	15-132	PH375-0020	46-2154	PH130-0047
RA080002A	PH500-M012	15-133	PH375-0020	46-2299	PH130-0004
RA080009A	PH500-M011	15-164	PH375-0032	46-2299	PH130-0045
RA097007	PH300-0041	15-235	PH375-0001	46-2339	PH130-0047
RA097007A	PH300-0042	15-242	PH375-0022	46-2344	PH130-0047
RA097007B	PH300-0032	15-242	PH375-0026	46-2346	PH130-0047
RA097007C	PH300-0043	15-243	PH375-0022	46-2387	PH130-0039
		15-243	PH375-0026	46-2399	PH130-0044
		15-288	PH375-0033	46-2400	PH130-0004
		15-295	PH375-0052	46-2400	PH130-0045

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Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>PRESTOLITE</b>		<b>PRESTOLITE</b>		<b>PRESTOLITE</b>	
46-2439	PH130-0004	20115005TBA	PH300-0022-HO	35259620	PH150-0008
46-2439	PH130-0045	20115010TBA	PH300-0030	35261180	PH140-0015
51-12	PH300-0028	20115011TBA	PH300-0031	35261180	PH140-0017
51-12	PH300-0028-HO	20115012TBA	PH300-0044	35261180	PH140-0017-D
51-14	PH300-0028	20115014TBA	PH300-0041	35261180	PH140-0017-HD
51-14	PH300-0028-HO	20115016TBA	PH300-0032	35261180	PH140-0017-HT
51-19	PH300-0028	20115017TBA	PH300-0033	66021151M	PH300-0008
51-19	PH300-0028-HO	20115018TBA	PH300-0035	66021151M	PH300-0008-OE
51-41	PH300-0028	20115019TBA	PH300-0034	66021151M	PH300-0024-OE
51-41	PH300-0028-HO	20115020TBA	PH300-0007	66021151M	PH300-0026-OE
51-48	PH300-0028	20130177	PH300-0005	66021151M	PH300-0027-OE
51-48	PH300-0028-HO	20130179	PH300-0010	ALD5006	PH300-0028
51-49	PH300-0028	20130179	PH300-0011	ALD5006	PH300-0028-HO
51-49	PH300-0028-HO	20130179	PH300-0012	ALE5201A	PH300-0028
51-57	PH300-0028	20130179	PH300-0016	ALE5201A	PH300-0028-HO
51-57	PH300-0028-HO	20130204	PH300-0014	ALE5201B	PH300-0028
51-201	PH300-0028	20130227	PH300-0018	ALE5201B	PH300-0028-HO
51-201	PH300-0028-HO	20150112	PH300-0002	ALE5201C	PH300-0028
51-249	PH300-0028	20150114	PH300-0025-OE	ALE5201C	PH300-0028-HO
51-249	PH300-0028-HO	20500124	PH150-0003	ALE5201S	PH300-0028
51-266	PH300-0028	20500729	PH140-0023	ALE5201S	PH300-0028-HO
51-266	PH300-0028-HO	20513003	PH140-0010	ALE5201S-1	PH300-0028
51-271	PH300-0007	20513064	PH140-0007	ALE5201S-1	PH300-0028-HO
51-272	PH300-0028	20513065	PH150-0004	ALE5201SS	PH300-0028
51-272	PH300-0028-HO	20513065	PH150-0004-OE	ALE5201SS	PH300-0028-HO
51-280	PH300-0028	20513073	PH140-0009	ALE5202	PH300-0028
51-280	PH300-0028-HO	20513500TBA	PH130-0001	ALE5202	PH300-0028-HO
51-284	PH300-0007	20513500TBA	PH130-0038	ALE5202B	PH300-0028
90-178D	PH375-0001	20513501TBA	PH130-0039	ALE5202B	PH300-0028-HO
110-224	PH300-0022	20513502TBA	PH130-0040	ALE5202S	PH300-0028
110-224	PH300-0022-CHO	20513503TBA	PH130-0041	ALE5202S	PH300-0028-HO
110-224	PH300-0022-HO	20513504TBA	PH130-0042	ALE5202Y	PH300-0028
110-292	PH300-0022	20513505TBA	PH130-0002	ALE5202Y	PH300-0028-HO
110-292	PH300-0022-CHO	20513505TBA	PH130-0043	ALE5203	PH300-0028
110-292	PH300-0022-HO	20513506TBA	PH130-0003	ALE5203	PH300-0028-HO
110-329	PH300-0009	20513506TBA	PH130-0044	ALE5203A	PH300-0028
110-331	PH300-0009	20513524TBA	PH130-0021	ALE5203A	PH300-0028-HO
110-342	PH300-0009	20513529TBA	PH140-0016-HT	ALE5203S	PH300-0028
110-358	PH300-0010	20513529TBA	PH140-0017-D	ALE5203S	PH300-0028-HO
110-374	PH300-0010	20513535TBA	PH130-0018	ALE5204	PH300-0028
110-415	PH300-0009	20513536TBA	PH130-0017	ALE5204	PH300-0028-HO
110-446	PH300-0006	20513537TBA	PH130-0016	ALE5204S	PH300-0028
110-517	PH300-0010	20513538TBA	PH130-0015	ALE5204S	PH300-0028-HO
110-656	PH300-0009	20513539TBA	PH130-0008	ALE5209	PH300-0028
110-686	PH300-0022	20513542TBA	PH130-0046	ALE5209	PH300-0028-HO
110-686	PH300-0022-CHO	20513547TBA	PH130-0006	ALE5220	PH300-0028
110-686	PH300-0022-HO	20513552TBA	PH130-0050	ALE5220	PH300-0028-HO
510-802	PH300-0023-OE	20513554TBA	PH130-0005	ALE5220YS	PH300-0028
510-835	PH300-0023-OE	20513555TBA	PH130-0051	ALE5220YS	PH300-0028-HO
510-861	PH300-0023-OE	20513566TBA	PH130-0047	ALK5206	PH300-0007
510-862	PH300-0023-OE	20513570TBA	PH130-0034	ALK6207	PH300-0007
2500LC	PH300-0001	20513579TBA	PH130-0004	ALK6210	PH300-0007
20115000TBA	PH300-0017	20513579TBA	PH130-0045	ALK6210A	PH300-0007
20115004TBA	PH300-0013	20513581TBA	PH130-0068	ALK6222	PH300-0007
20115004TBA	PH300-0013-HO	20550101	PH150-0001	ALK6222A	PH300-0007
20115005TBA	PH300-0022	20550102	PH150-0007	ALK6222AY	PH300-0007
20115005TBA	PH300-0022-CHO	20550102	PH150-0007-OE	ALK6222AYS	PH300-0007





## PART NUMBER CROSS REFERENCE

# PROTORQUE - Part Number Cross Reference

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
SIERRA		SIERRA		SIERRA	
18-5604	PH130-0041	18-5675	PH175-0015	18-5847	PH375-0017
18-5605	PH130-0011	18-5677	PH175-0009	18-5848	PH375-0018
18-5606	PH130-0015	18-5678	PH175-0017	18-5849	PH360-0008
18-5608	PH130-0046	18-5679	PH175-0018	18-5853	PH375-0053
18-5609	PH130-0067	18-5680	PH175-0019	18-5854	PH400-0003
18-5610	PH130-0019	18-5681	PH175-0016	18-5856	PH400-0001
18-5611	PH130-0021	18-5704	PH360-0003	18-5857	PH400-0007
18-5612	PH130-0018	18-5704D	PH360-0003	18-5859	PH400-0005
18-5613	PH130-0047	18-5705	PH360-0001	18-5860	PH400-0004
18-5617	PH130-0036	18-5705D	PH360-0001	18-5864	PH400-0008
18-5618	PH130-0009	18-5707	PH350-0003	18-5865	PH400-0006
18-5619	PH130-0008	18-5708	PH350-0001	18-5870	PH400-0002
18-5620	PH130-0023	18-5709	PH350-0002	18-5873	PH400-0002
18-5621	PH130-0024	18-5729	PH360-0006	18-5874	PH400-0002
18-5622	PH130-0022	18-5732	PH350-0006	18-5877	PH400-0009
18-5623	PH130-0013	18-5743	PH350-0005	18-5878	PH400-0010
18-5624	PH130-0016	18-5800	PH375-0024	18-5882	PH300-0037
18-5625	PH130-0003	18-5801	PH375-0027	18-5900	PH140-0013
18-5625	PH130-0044	18-5801D	PH375-0027	18-5901	PH140-0010
18-5626	PH130-0002	18-5802	PH375-0031	18-5902	PH140-0010-CCW
18-5626	PH130-0043	18-5802D	PH375-0031	18-5903	PH140-0001
18-5627	PH130-0017	18-5803	PH375-0030	18-5904	PH140-0001-CCW
18-5628	PH130-0012	18-5804	PH375-0001	18-5905	PH140-0015
18-5629	PH130-0001	18-5807	PH375-0032	18-5906	PH140-0023
18-5629	PH130-0038	18-5808	PH375-0012	18-5906	PH140-0023
18-5630	PH130-0004	18-5808D	PH375-0012	18-5907	PH140-0010
18-5630	PH130-0045	18-5810	PH375-0039	18-5908	PH140-0010-CCW
18-5631	PH130-0026	18-5810D	PH375-0039	18-5910	PH140-0015
18-5632	PH130-0027	18-5811	PH375-0008	18-5911	PH140-0013
18-5634	PH130-0003	18-5812	PH375-0029	18-5913	PH140-0017
18-5634	PH130-0044	18-5812D	PH375-0029	18-5913	PH140-0017-HD
18-5635	PH130-0002	18-5813	PH375-0029	18-5914	PH140-0001-CCW
18-5635	PH130-0043	18-5814	PH375-0033	18-5915	PH140-0001
18-5636	PH130-0042	18-5814D	PH375-0033	18-5915	PH140-0001-CCW
18-5639	PH130-0021	18-5815	PH375-0028	18-5916	PH140-0002
18-5640	PH130-0039	18-5815D	PH375-0028	18-5917	PH140-0002
18-5641	PH130-0040	18-5816	PH375-0038	18-5918	PH140-0023
18-5642	PH130-0041	18-5816D	PH375-0038	18-5919	PH140-0020
18-5643	PH130-0046	18-5817	PH375-0039	18-5919	PH140-0020-HD
18-5644	PH130-0047	18-5817D	PH375-0039	18-5920	PH140-0004
18-5645	PH130-0001	18-5818	PH375-0035	18-5923	PH140-0004
18-5645	PH130-0038	18-5819	PH375-0034	18-5927	PH140-0005
18-5646	PH130-0004	18-5820	PH375-0036	18-5929	PH300-0048
18-5646	PH130-0045	18-5821	PH375-0041	18-5935	PH150-0001
18-5647	PH130-0003	18-5823	PH375-0051	18-5939	PH300-0027-OE
18-5647	PH130-0044	18-5823D	PH375-0051	18-5943	PH300-0026-OE
18-5648	PH130-0002	18-5833	PH375-0050	18-5945	PH300-0046
18-5648	PH130-0043	18-5833D	PH375-0050	18-5946	PH300-0045
18-5649	PH130-0042	18-5834	PH375-0037	18-5950	PH300-0013
18-5650	PH175-0002	18-5835	PH375-0052	18-5951	PH300-0022
18-5650	PH175-0014	18-5836	PH375-0011	18-5954	PH300-0028
18-5655	PH175-0001	18-5836D	PH375-0011	18-5956	PH300-0013
18-5656	PH175-0006	18-5837	PH375-0004	18-5957	PH300-0022
18-5658	PH175-0012	18-5838	PH375-0001	18-5959	PH300-0008
18-5671	PH175-0003	18-5844	PH375-0016	18-5959	PH300-0008-OE
18-5673	PH175-0013	18-5845	PH375-0023	18-5960	PH300-0012
18-5674	PH175-0007	18-5846	PH375-0019	18-59640	PH300-0007





## PART NUMBER CROSS REFERENCE

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
SIERRA		SIERRA		SIERRA	
18-5965	PH300-0016	18-6421	PH130-0062	18-6780	PH200-T005
18-5966	PH300-0010	18-6422	PH130-0063	18-6780	PH200-T006
18-5967	PH300-0011	18-6423	PH130-0058	18-6781	PH200-T029
18-59700	PH300-0008-D	18-6424	PH130-0059	18-6782	PH200-T050
18-5976	PH300-0023-OE	18-6425	PH130-0055	18-6783	PH200-T057
18-5979	PH300-0017	18-6426	PH130-0056	18-6784	PH200-T033
18-5982	PH300-0029	18-6427	PH130-0057	18-6785	PH200-T025
18-5983	PH300-0033	18-6428	PH130-0060	18-6786-1	PH200-T024
18-5984	PH300-0041	18-6429	PH130-0075	18-6787	PH200-T044
18-6257	PH200-T051	18-6430	PH130-0061	18-6788	PH200-T048
18-6258	PH200-T021	18-6431	PH130-0080	18-6789	PH200-T035
18-6259	PH200-T041	18-6432	PH130-0006	18-6790	PH200-T054
18-6261	PH300-0014	18-6433	PH130-0054	18-6791	PH200-T055
18-6264	PH375-0022	18-6434	PH130-0014	18-6792	PH200-T058
18-6264	PH375-0026	18-6435	PH130-0033	18-6793	PH200-T046
18-6265	PH300-0015	18-6436	PH130-0081	18-6798	PH200-T069
18-6266	PH360-0004	18-6437	PH130-0029	18-6804	PH200-T012
18-6268	PH360-0005	18-6438	PH130-0028	18-6805	PH200-T007
18-6270	PH140-0006	18-6439	PH130-0068	18-6811	PH200-T045
18-6271	PH360-0002	18-6440	PH130-0066	18-6812	PH200-T035
18-6273	PH200-T011	18-6441	PH130-0069	18-6813	PH200-T016-SM
18-6273-1	PH200-T011-R	18-6442	PH100-SD05	18-6814	PH200-T056
18-6274	PH200-T016	18-6443	PH140-0021	18-6815	PH200-T072
18-6275	PH140-0016-HT	18-6445	PH130-0087	18-6816	PH200-T049
18-6275	PH140-0017-D	18-6450	PH300-0042	18-6817	PH200-T007
18-6276	PH140-0003	18-6451	PH300-0039	18-6821	PH200-T037
18-6277	PH200-T042	18-6452	PH300-0038	18-6822	PH200-VB03
18-6279	PH200-T038	18-6453	PH300-0043	18-6823	PH200-WH01
18-6280	PH200-T021	18-6454	PH300-0030	18-6824	PH130-0020
18-6281	PH200-T004	18-6455	PH300-0031	18-6825	PH130-0067
18-6282	PH130-0031	18-6722	PH200-T015	18-6826	PH130-0035
18-6283	PH130-0030	18-6749	PH200-T065	18-6827	PH130-0053
18-6284	PH300-0005	18-6750	PH200-T066	18-6828	PH130-0072
18-6285	PH200-T022	18-6752	PH200-T016-K	18-6829	PH130-0034
18-6286	PH200-T002	18-6753	PH200-T016-SK	18-6831	PH130-0071
18-6288	PH300-0032	18-6754	PH200-T013	18-6832	PH130-0076
18-6289	PH100-YA05	18-6755	PH200-T009	18-6833	PH130-0074
18-6290	PH100-YA01	18-6756	PH200-T049	18-6836	PH200-T036
18-6291	PH375-0009	18-6758	PH200-T028	18-6837	PH200-T046
18-6292	PH140-0023	18-6759	PH200-T014	18-6840	PH300-0047
18-6293	PH300-0034	18-6760	PH200-T030	18-6841	PH300-0013
18-6294	PH100-KW02	18-6761	PH200-T020	18-6842	PH300-0013-CHO
18-6295	PH100-KW01	18-6762	PH200-T031	18-6843	PH300-0009
18-6296	PH100-PL01	18-6763	PH200-T026	18-6845	PH300-0037
18-6298	PH300-0035	18-6764	PH200-T074	18-6847	PH300-0050
18-6299	PH300-0044	18-6765	PH200-T008	18-6848	PH300-0036
18-6410	PH130-0049	18-6767-1	PH200-T052	18-6849	PH300-0018
18-6411	PH130-0050	18-6769-1	PH200-T016	18-6859	PH375-0040
18-6412	PH130-0007	18-6770	PH200-T017	18-6861	PH130-0059
18-6413	PH130-0005	18-6771	PH200-T064-1B	18-6862	PH100-YA01
18-6414	PH130-0060	18-6772	PH200-T015	18-6863	PH130-0013
18-6415	PH130-0051	18-6773	PH200-T010	18-6864	PH130-0025
18-6416	PH130-0053	18-6774	PH200-T032	18-6865	PH200-TS01
18-6417	PH130-0052	18-6775	PH200-T033	18-6866	PH100-SD04
18-6418	PH130-0048	18-6777	PH200-T003	18-6867	PH100-SD02
18-6419	PH130-0083	18-6778	PH200-T064-4B	18-6868	PH100-SD01
18-6420	PH130-0061	18-6779	PH200-T023	18-6869	PH100-SD03

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Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>SIERRA</b>		<b>SIERRA</b>		<b>SUZUKI</b>	
18-6871	PH200-T040	18-7326	PH500-M008	31100-95601	PH130-0060
18-6873	PH100-KW03	18-7326	PH500-M009	31100-95J00	PH130-0077
18-6875	PH200-T039	18-7330	PH500-M031	31100-95J01	PH130-0077
18-6877	PH100-HN01	18-7331	PH500-M030	31100-96310	PH130-0006
18-6881	PH200-T027	18-7333	PH500-M007	31100-96311	PH130-0006
18-6904	PH100-KW04	18-7334	PH500-M003	31100-96J00	PH130-0078
18-6905	PH100-SD06	18-7340	PH500-M021	31100-96J01	PH130-0078
18-6906	PH100-YA04	18-7341	PH500-M019	31800-94401	PH375-0041
18-6907	PH100-YA06	18-7342	PH500-M022	38100-87D00-01T	PH200-T021
18-6908	PH100-YA02	18-7343	PH500-M023	38100-87D00-02H	PH200-T025
18-6909	PH100-YA07	18-7349	PH500-M002	38100-87D00-02M	PH200-T025
18-6919	PH100-TS01	18-7350	PH500-M032	38100-87D01-02M	PH200-T025
18-6921	PH100-YA03	18-7351	PH500-M033	38100-87D01-0ED	PH200-T025
18-6925	PH300-0005	18-7352	PH500-M034	38100-87D10-0ED	PH200-T024
18-6926	PH300-0020	18-7353	PH500-M035	38100-87E10-0ED	PH200-T025
18-6927	PH300-0002	18-8220	PH365-0007	38100-87E20-0ED	PH200-T024
18-6928	PH300-0005	18-8860	PH500-M016	38100-87J00-0EP	PH200-T070
18-6929	PH300-0002	18-8864	PH500-M063	38100-87J11	PH200-T046
18-6935	PH140-0025	18-8865	PH500-M062	38100-87J20	PH200-T046
18-6936	PH140-0007	18-8867	PH500-M014	38100-90J20	PH200-T071
18-6937	PH140-0008	18-8868	PH500-M013	38100-92E00-0ED	PH200-T024
18-6938	PH150-0005	18-18303	PH200-T071	38100-92J00	PH200-T071
18-6940	PH130-0014	<b>SUZUKI</b>		38100-92J01	PH200-T071
18-6941	PH130-0078	15100-94303	PH500-M003	38100-92J02	PH200-T071
18-6942	PH130-0082	15100-94311	PH500-M003	38100-92J10	PH200-T071
18-6943	PH130-0084	15200-87J00	PH500-M071	38100-92J11	PH200-T071
18-6945	PH130-0077	15200-87J10	PH500-M071	38100-93J00	PH200-T071
18-6946	PH140-0017-D	15200-87J10	PH500-M071	38100-93J01	PH200-T071
18-6947	PH150-0008	15200-90J00	PH500-M024	38100-93J02	PH200-T071
18-6949	PH150-0006	15200-96J00	PH500-M024	38100-93J03	PH200-T071
18-6952	PH300-0001	15200-99E00	PH500-M071	38100-96J00	PH200-T071
18-6959	PH130-0088	31100-85J00	PH130-0079	38100-96J01	PH200-T071
18-6960	PH300-0019	31100-87D00	PH130-0052	38100-96J10	PH200-T071
18-7256	PH500-M037	31100-87D10	PH130-0052	38100-97E00-0ED	PH200-T060
18-7258	PH500-M038	31100-87J00	PH130-0079	38410-94550	PH375-0047
18-7260	PH500-M039	31100-89J00	PH130-0083	38410-94551	PH375-0047
18-7262	PH500-M040	31100-89J01	PH130-0083	38410-94552	PH375-0047
18-7263	PH500-M041	31100-90J00	PH130-0071	48600-94511-0ED	PH200-TS01
18-7264	PH500-M042	31100-92E00	PH130-0052	<b>TIGERSHARK</b>	
18-7265	PH500-M043	31100-93J00	PH130-0078	3008-093	PH100-TS01
18-7266	PH500-M044	31100-94400	PH130-0006	3008-093	PH100-TS01-G
18-7267	PH500-M045	31100-94401	PH130-0006	3008-093	PH100-TS01-R
18-7268	PH500-M046	31100-94402	PH130-0006	3008-104	PH105-D001
18-7270	PH500-M047	31100-94500	PH130-0053	3008-104	PH105-D001-G
18-7272	PH500-M048	31100-94510	PH130-0053	3008-165	PH375-0041
18-7273	PH500-M049	31100-94511	PH130-0053	3008-276	PH105-D002
18-7274	PH500-M050	31100-94512	PH130-0053	3008-327	PH100-TS01
18-7275	PH500-M051	31100-94600	PH130-0053	3008-327	PH100-TS01-G
18-7278	PH500-M052	31100-94601	PH130-0053	3008-327	PH100-TS01-R
18-7279	PH500-M053	31100-94610	PH130-0053	3008-387	PH105-D001
18-7281	PH500-M054	31100-94702	PH130-0075	3008-387	PH105-D001-G
18-7282	PH500-M055	31100-95240	PH130-0007	3008-408	PH105-D002
18-7283	PH500-M010	31100-95242	PH130-0007	3008-462	PH100-TS01
18-7284	PH500-M056	31100-95310	PH130-0060	3008-462	PH100-TS01-G
18-7286	PH500-M057	31100-95312	PH130-0060	3008-462	PH100-TS01-R
18-7288-1	PH500-M015	31100-95313	PH130-0060	3008-536	PH100-TS01
18-7289	PH500-M058	31100-95600	PH130-0060		



# PART NUMBER CROSS REFERENCE

Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>TIGERSHARK</b>		<b>UNITED TECHNOLOGIES</b>		<b>UNITED TECHNOLOGIES</b>	
3008-536	PH100-TS01-G	5768940	PH175-0015	1791640-M030SM	PH130-0003
3008-536	PH100-TS01-R	5980440	PH175-0011	1791640-M030SM	PH130-0044
<b>TOHATSU</b>		6519240	PH175-0004	1791740-M030SM	PH130-0003
346-76010-0	PH130-0080	6519240	PH175-0018	1791740-M030SM	PH130-0044
346-76010-0A0	PH130-0080	6725240	PH175-0003	1799640-M030SM	PH130-0002
350-76010-0	PH130-0085	6725240	PH175-0017	1799640-M030SM	PH130-0043
350-76010-0M	PH130-0085	6725340	PH175-0004	1801940-DV30SM	PH175-0006
353-76010-04	PH130-0048	6725340	PH175-0018	1806440-DV30SM	PH175-0012
353-76010-1A0	PH130-0048	6725440	PH175-0001	1820040-DV30SM	PH175-0005
353-76010-300	PH130-0048	6725440	PH175-0019	2025040-CP30SM	PH185-0001
353-76010-4	PH130-0048	7009940	PH175-0012	2034640-DV30SM	PH175-0003
353-76010-4M	PH130-0048	7010040	PH175-0007	2070240-M030SM	PH130-0003
3AA-76010-0	PH130-0085	7010040	PH175-0010	2070240-M030SM	PH130-0044
3AA-76010-0M	PH130-0085	7010140	PH175-0005	2070329-M030SM	PH130-0003
3C8-76010-1	PH130-0006	7010340	PH175-0013	2070329-M030SM	PH130-0044
3C8-76010-1M	PH130-0006	7010440	PH175-0007	2070340-M030SM	PH130-0003
B29A90500	PH130-0085	7017540	PH175-0006	2070340-M030SM	PH130-0044
B29A90500A	PH130-0085	7018940	PH175-0009	2071640-CP30SM	PH185-0001
FM5900	PH130-0048	7029340	PH175-0015	3519240-KT30SM	PH175-0018
<b>UNITED TECHNOLOGIES</b>		10517640	PH130-0008	4411940-M030SM	PH130-0068
139940	PH130-0003	0139940-M030SM	PH130-0003	4412040-M030SM	PH130-0047
139940	PH130-0044	0139940-M030SM	PH130-0044	4438540-M030SM	PH130-0072
0208840	PH175-0016	0145640CP	PH185-0002	4439740-CP30SM	PH185-0001
208840	PH175-0016	0145640-CP30SM	PH185-0002	4730920-M030SM	PH130-0012
237240	PH185-0002	0203323-M020SM	PH130-0014	4730940-M030SM	PH130-0012
255740	PH175-0002	0203740-M030SM	PH130-0014	4769040-M030SM	PH130-0008
255740	PH175-0014	0228940-M030SM	PH130-0003	4786240-M030SM	PH130-0039
0255740	PH175-0002	0228940-M030SM	PH130-0044	4787140-DV30SM	PH175-0007
0255740	PH175-0014	0246540-M030SM	PH130-0003	4820140-M030SM	PH130-0041
261240	PH185-0005	0246540-M030SM	PH130-0044	4820240-M030SM	PH130-0011
0261240	PH185-0005	0246640-M030SM	PH130-0003	4820340-M030SM	PH130-0015
0815440	PH175-0007	0246640-M030SM	PH130-0044	4820440-M030SM	PH130-0046
0996140	PH130-0040	0255640-M030SM	PH130-0001	4820540-M030SM	PH130-0046
996240	PH130-0011	0255640-M030SM	PH130-0038	4823040-CP30SM	PH185-0004
1129140	PH175-0008	0255740-DV30SM	PH175-0002	4836940-M030SM	PH130-0042
1637540	PH175-0001	0255740-DV30SM	PH175-0014	4838640-M030SM	PH130-0041
1801940	PH175-0006	0261040-M030SM	PH130-0002	4838740-M030SM	PH130-0067
1806440	PH175-0012	0261040-M030SM	PH130-0043	4840540-M030SM	PH130-0010
1820040	PH175-0005	0261140-CP30SM	PH185-0005	4872940-CP30SM	PH185-0004
2020740	PH130-0003	0262640-M030SM	PH130-0010	4886540-M030SM	PH130-0019
2020740	PH130-0044	0814240-M030SM	PH130-0039	5059240-M030SM	PH130-0016
2025040	PH185-0001	0815440-DV30SM	PH175-0007	5071240-M030SM	PH130-0017
2034640	PH175-0003	0996140-M030SM	PH130-0040	5216040-M025SM	PH130-0021
2071640	PH185-0001	0996340-M030SM	PH130-0010	5216040-M030SM	PH130-0021
4411940	PH130-0068	0996440-M030SM	PH130-0041	5249840-M030SM	PH130-0018
4412040	PH130-0047	1062940-M030SM	PH130-0002	5265040-CP30SM	PH185-0003
4439740	PH185-0001	1062940-M030SM	PH130-0043	5273440-M030SM	PH130-0047
4787140	PH175-0007	1065221-M030SM	PH130-0042	5274040-M030SM	PH130-0025
4823040	PH185-0004	1097028-M030SM	PH130-0011	5275040-DV30SM	PH175-0009
4872940	PH185-0004	1122940-M030SM	PH130-0004	5275640-M030SM	PH130-0023
5265040	PH185-0003	1122940-M030SM	PH130-0045	5659240-M020SM	PH130-0036
5275040	PH175-0009	1129140-DV20SM	PH175-0008	5667640-M030SM	PH130-0009
5703640	PH185-0001	1147840-M030SM	PH130-0042	5671440-M030SM	PH130-0008
5703840	PH185-0005	1149540-M030SM	PH130-0069	5672740-M030SM	PH130-0023
5712840	PH175-0015	1491624-M030SM	PH130-0046	5675640-M030SM	PH130-0024
		1637540-DV30SM	PH175-0001	5676940-M030SM	PH130-0022
		1718328-M030SM	PH130-0046	5699940-M030SM	PH130-0013

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Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>UNITED TECHNOLOGIES</b>		<b>UNITED TECHNOLOGIES</b>		<b>UNITED TECHNOLOGIES</b>	
5703840-CP30SM	PH185-0005	DV18064	PH175-0012	SM20521	PH130-0021
5704640-M030SM	PH130-0016	DV18200	PH175-0005	SM20702	PH130-0003
5704740-M030SM	PH130-0003	DV20346	PH175-0003	SM20702	PH130-0044
5704740-M030SM	PH130-0044	DV47871	PH175-0007	SM20703	PH130-0003
5704840-M030SM	PH130-0002	DV70101	PH175-0005	SM20703	PH130-0044
5704840-M030SM	PH130-0043	DV70104	PH175-0007	SM44119	PH130-0068
5704940-M030SM	PH130-0017	DV70175	PH175-0006	SM44120	PH130-0047
5705040-M030SM	PH130-0012	M055014A	PH130-0040	SM44385	PH130-0072
5705140-M030SM	PH130-0001	M0551014A	PH130-0040	SM47309	PH130-0012
5705140-M030SM	PH130-0038	M0551017	PH130-0040	SM47690	PH130-0008
5705340-M030SM	PH130-0004	M0551017A	PH130-0040	SM47764	PH130-0015
5705340-M030SM	PH130-0045	POC4001	PH130-0003	SM47862	PH130-0039
5711640-M030SM	PH130-0026	POC4001	PH130-0044	SM48201	PH130-0041
5712840-DV30SM	PH175-0015	SM01399	PH130-0003	SM48202	PH130-0011
5721740-M030SM	PH130-0027	SM01399	PH130-0044	SM48203	PH130-0015
5722940-M030SM	PH130-0003	SM01446	PH130-0041	SM48204	PH130-0046
5722940-M030SM	PH130-0044	SM02033	PH130-0014	SM48205	PH130-0046
5723040-M030SM	PH130-0002	SM02289	PH130-0003	SM48369	PH130-0042
5723040-M030SM	PH130-0043	SM02289	PH130-0044	SM48386	PH130-0041
5769040-M030SM	PH130-0008	SM02465	PH130-0003	SM48387	PH130-0067
5953540-M030SM	PH130-0003	SM02465	PH130-0044	SM48405	PH130-0010
5953540-M030SM	PH130-0044	SM02466	PH130-0003	SM48865	PH130-0019
5953640-M030SM	PH130-0002	SM02466	PH130-0044	SM52160	PH130-0021
5953640-M030SM	PH130-0043	SM02556	PH130-0001	SM52498	PH130-0018
5980440-DV30SM	PH175-0011	SM02556	PH130-0038	SM52734	PH130-0047
6519240-KT30SM	PH175-0004	SM02610	PH130-0002	SM52740	PH130-0025
6713240-M030SM	PH130-0009	SM02610	PH130-0043	SM52756	PH130-0023
6725240-KT30SM	PH175-0017	SM02626	PH130-0010	SM56676	PH130-0009
6725340-KT30SM	PH175-0018	SM08142	PH130-0039	SM56714	PH130-0008
6743020-M030SM	PH175-0005	SM09961	PH130-0040	SM56727	PH130-0023
6743040-M030SM	PH130-0028	SM09962	PH130-0041	SM56756	PH130-0024
6767520-M030SM	PH175-0005	SM09963	PH130-0010	SM56769	PH130-0022
6767540-M030SM	PH130-0029	SM09964	PH130-0041	SM56999	PH130-0013
6781540-M030SM	PH130-0030	SM10629	PH130-0002	SM57046	PH130-0016
6782140-M030SM	PH130-0031	SM10629	PH130-0043	SM57047	PH130-0003
6825340-KT30SM	PH175-0004	SM10652	PH130-0042	SM57047	PH130-0044
6858540-M030SM	PH130-0032	SM10790	PH130-0011	SM57048	PH130-0002
6873720-M030SM	PH175-0005	SM10970	PH130-0011	SM57048	PH130-0043
6873740-M030SM	PH130-0034	SM11229	PH130-0004	SM57049	PH130-0017
7009940-DV30SM	PH175-0012	SM11229	PH130-0045	SM57050	PH130-0012
7010040-DV30SM	PH175-0007	SM1122940	PH130-0004	SM57051	PH130-0001
7010140-DV30SM	PH175-0005	SM1122940	PH130-0045	SM57051	PH130-0038
7010440-DV30SM	PH175-0007	SM11478	PH130-0042	SM57053	PH130-0004
7017540-DV30SM	PH175-0006	SM11495	PH130-0069	SM57053	PH130-0045
CP02612	PH185-0005	SM14916	PH130-0046	SM57116	PH130-0026
CP20250	PH185-0001	SM17183	PH130-0046	SM57217	PH130-0027
CP20716	PH185-0001	SM17916	PH130-0003	SM59535	PH130-0003
CP48230	PH185-0004	SM17916	PH130-0044	SM59535	PH130-0044
CP48729	PH185-0004	SM17917	PH130-0003	SM59536	PH130-0002
CP551406A	PH185-0005	SM17917	PH130-0044	SM59536	PH130-0043
CP551406AS	PH185-0005	SM17919	PH130-0003	SM67132	PH130-0009
DV02088	PH175-0016	SM17919	PH130-0044	SM67430	PH130-0028
DV02557	PH175-0002	SM17996	PH130-0002	SM67675	PH130-0029
DV02557	PH175-0014	SM17996	PH130-0043	SM67815	PH130-0030
DV08154	PH175-0007	SM18059	PH130-0067	SM685854	PH130-0032
DV16375	PH175-0001	SM20207	PH130-0003	SM68737	PH130-0034
DV18019	PH175-0006	SM20207	PH130-0044	SMH12B31	PH130-0040





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Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>UNITED TECHNOLOGIES</b>		<b>VOLVO</b>		<b>VOLVO</b>	
SMH12B41	PH130-0002	240360	PH140-0023	849602	PH300-0025-OE
SMH12B41	PH130-0043	241812	PH360-0002	850046-4	PH200-T055
SMH12B43	PH130-0004	534339-4	PH140-0023	850834-3	PH200-T028
SMH12B43	PH130-0045	818721	PH375-0001	852565	PH375-0028
SMH12C31	PH130-0041	820652	PH300-0025-OE	852565-1	PH375-0028
SMH12C41	PH130-0003	822454	PH300-0025-OE	852928	PH200-T027
SMH12C41	PH130-0044	826493	PH500-M054	852928	PH200-T034
SMH12C42	PH130-0039	826493-9	PH500-M054	852928	PH200-T053
<b>UNIVERSAL MARINE</b>		826495	PH300-0008	853520	PH200-T055
275753	PH300-0028	826495	PH300-0008-OE	853544-5	PH360-0002
275753	PH300-0028-HO	827303	PH300-0025-OE	853545-2	PH360-0002
277584	PH300-0028	827349	PH300-0025-OE	854329-0	PH200-T058
277584	PH300-0028-HO	831725-7	PH360-0007	854346-4	PH200-T017
<b>VALEO</b>		834609	PH300-0008	854525-3	PH200-T007
102295	PH375-0013	834609	PH300-0008-OE	855325-5	PH140-0013
102295	PH375-0013-OE	834625-6	PH300-0008	855326-5	PH140-0013
103142	PH300-0008	834625-6	PH300-0008-OE	855332-3	PH375-0001
103142	PH300-0008-OE	834893-0	PH140-0013	855334	PH140-0010-CCW
184227	PH375-0013	834964	PH300-0008	856364-5	PH600-0005
184227	PH375-0013-OE	834964	PH300-0008-OE	856609	PH600-0002
425300	PH300-0037	834976	PH140-0023	858838	PH300-0008
425302	PH300-0050	834976-3	PH140-0023	858838	PH300-0008-OE
518039	PH300-0008	835121	PH140-0013	858838-6	PH300-0008
518039	PH300-0008-OE	835121-5	PH140-0013	858838-6	PH300-0008-OE
518039	PH300-0008-OE	835334	PH140-0013-CCW	858839	PH300-0008
518040	PH300-0008	835334-4	PH140-0013-CCW	858839	PH300-0008-OE
518040	PH300-0008-OE	835390-6	PH600-0005	858839-4	PH300-0008
594054	PH375-0013	835635-4	PH140-0001	858839-4	PH300-0008-OE
594054	PH375-0013-OE	839367-0	PH360-0003	859252	PH150-0007
927750	PH300-0024-OE	839430	PH200-T054	859252	PH150-0007-OE
2100606	PH300-0008	840808-0	PH140-0023	859252-9	PH150-0007
2100606	PH300-0008-OE	841066-4	PH140-0001	859252-9	PH150-0007-OE
2518040	PH300-0008	841161	PH500-M057	859252X	PH150-0007
2518040	PH300-0008-OE	841161-3	PH500-M057	859252X	PH150-0007-OE
2541827	PH300-0027-OE	841177-9	PH360-0005	859553	PH140-0023
2655300	PH300-0037	841377	PH140-0010	859553-0	PH140-0023
2655301	PH300-0050	841378-3	PH300-0008	859618	PH375-0013
A13N147M	PH300-0008	841378-3	PH300-0008-OE	859618	PH375-0013-OE
A13N147M	PH300-0008-OE	841656-2	PH375-0001	859618-1	PH375-0013
A13N148M	PH300-0008	841762	PH300-0008	859618-1	PH375-0013-OE
A13N148M	PH300-0008-OE	841762	PH300-0008-OE	870670-7	PH360-0002
A13N234	PH300-0027-OE	841762-8	PH300-0008	872018-7	PH300-0008
A13N259M	PH300-0026-OE	841762-8	PH300-0008-OE	872018-7	PH300-0008-OE
D6RA11	PH140-0023	841763	PH300-0008	872235-7	PH300-0027-OE
D6RA40	PH140-0023	841763	PH300-0008-OE	872241-5	PH140-0023
D9R116	PH150-0007	841765	PH300-0008	872272-0	PH360-0005
D9R116	PH150-0007-OE	841765	PH300-0008-OE	872300-9	PH360-0002
D9R144	PH150-0007	841765-1	PH300-0008	872888-3	PH140-0023
D9R144	PH150-0007-OE	841765-1	PH300-0008-OE	872926-1	PH300-0026-OE
A0002655299	PH300-0036	841766-9	PH300-0008	873549-0	PH140-0023
A0002655300	PH300-0037	841766-9	PH300-0008-OE	873633	PH300-0027-OE
A0002655301	PH300-0050	842765	PH300-0008	873770	PH300-0027-OE
TA000B53101	PH300-0017	842765	PH300-0008-OE	876037-3	PH360-0003
TM000A04001	PH140-0024	847561	PH300-0025-OE	876038-1	PH360-0002
TM000A24301	PH140-0017-HT	847651	PH300-0025-OE	876039-9	PH360-0007
		849561	PH300-0025-OE	876040-7	PH360-0004

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Part #	Protorque #	Part #	Protorque #	Part #	Protorque #
<b>VOLVO</b>		<b>VOLVO</b>		<b>VOLVO</b>	
897720-9	PH200-T058	3854750-1	PH140-0020	21129980	PH140-0022-CCW
987702	PH500-M009	3855177	PH140-0015	<b>WESTERBEKE</b>	
1214764	PH360-0004	3855177-6	PH140-0015	33486	PH140-0010
1324492	PH360-0002	3855276	PH500-M046	38384	PH150-0009
1501832	PH360-0003	3855958	PH500-M031	<b>YAMAHA</b>	
1504952-1	PH360-0007	3855991	PH600-0002	19-1400-10	PH300-0009
1505107	PH300-0025-OE	3856003-3	PH140-0020	60E-81800-00-00	PH100-YA03
2655301	PH300-0050	3856004-1	PH140-0017	60E-81800-00-00	PH100-YA03-G
3581774	PH150-0007	3856004-1	PH140-0017-HD	60E-81800-00-00	PH100-YA03-R
3581774	PH150-0007-OE	3856004-1	PH140-0017-HT	60V-13907-00-00	PH500-M023
3587079	PH200-T018	3856600-6	PH300-0014	60V-43880-00-00	PH200-T069
3587625-10	PH140-0017	3857079	PH200-T018	60V-81800-00-00	PH130-0076
3587625-10	PH140-0017-HD	3857265-7	PH200-T017	60X-81800-00-00	PH130-0076
3587625-10	PH140-0017-HT	3857489	PH200-T018	61A-43880-01-00	PH200-T050
3660566-3	PH140-0017-D	3857561	PH300-0014	61A-43880-02-00	PH200-T050
3803113	PH150-0007	3857561-9	PH300-0014	61A-81800-00-00	PH130-0059
3803113	PH150-0007-OE	3857650	PH500-M031	61A-81800-01-00	PH130-0059
3803118	PH150-0007	3857747	PH140-0017-D	61A-81800-00-00	PH375-0053
3803118	PH150-0007-OE	3857813	PH300-0011	61H-81800-01-00	PH130-0059
3803200	PH150-0007	3857813	PH300-0015	62X-43880-00-00	PH200-T035
3803200	PH150-0007-OE	3857985	PH500-M030	62X-43880-01-00	PH200-T035
3803227-2	PH300-0026-OE	3857986	PH500-M009	62X-43880-09-00	PH200-T035
3803260-3	PH300-0027-OE	3858069	PH200-T018	62Y-43880-01-00	PH200-T036
3803386	PH150-0007	3858077	PH200-T064-4B-L	62Y-43880-02-00	PH200-T036
3803386	PH150-0007-OE	3858261	PH500-M009	63M-81800-00-00	PH100-YA02
3850216-7	PH375-0008	3858340	PH600-0004	63M-81800-00-00	PH100-YA02-G
3850525	PH140-0015	3858714	PH500-M030	63M-81800-00-00	PH100-YA02-R
3850525-1	PH140-0015	3860082	PH300-0015	63P-13907-00-00	PH500-M065
3850809	PH500-M009	3860082	PH300-0017	63P-13907-01-00	PH500-M065
3850810	PH500-M030	3860171	PH300-0014	63P-13907-02-00	PH500-M065
3850817	PH500-M009	3860566	PH140-0016-HT	63P-13907-03-00	PH500-M065
3850818	PH500-M030	3860566	PH140-0017-D	63P-43880-10-00	PH200-T075
3850927-9	PH300-0010	3860566-3	PH140-0017-D	63P-43880-11-00	PH200-T075
3853792	PH500-M046	3860764	PH140-0017	63P-81800-00-00	PH130-0073
3853796	PH600-0006	3860764	PH140-0017-HD	64E-43880-00-00	PH200-T057
3853839	PH375-0027	3860764	PH140-0017-HT	64E-43880-01-00	PH200-T057
3853839-3	PH375-0027	3860764-4	PH140-0017	64E-43880-03-00	PH200-T057
3853850	PH600-0005	3860764-4	PH140-0017-HD	64E-43880-04-00	PH200-T057
3853869	PH375-0004	3860764-4	PH140-0017-HT	64X-81800-00-00	PH100-YA04
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3853945	PH200-T023	3860879	PH200-T018	64X-81800-00-00	PH100-YA04-R
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3854000	PH375-0004	3862612	PH300-0036	65W-81800-03-00	PH130-0029
3854017	PH600-0004	3862613	PH300-0050	65W-81941-00-00	PH375-0034
3854053	PH500-M064	3862665	PH300-0037	65W-81941-01-00	PH375-0034
3854062	PH500-M030	3862985	PH140-0019-CCW	66K-13907-00-00	PH500-M019
3854182-7	PH300-0014	3862985	PH140-0022-CCW	66K-13907-00-00	PH500-M020
3854190-0	PH140-0004	3884950	PH300-0037	66M-81800-00-00	PH130-0084
3854194-2	PH375-0009	3885317	PH140-0017-D	66M-81800-01-00	PH130-0084
3854280	PH500-M031	3945661	PH150-0012	66M-81800-02-00	PH130-0084
3854620	PH500-M009	5240360	PH140-0023	67E-81800-10-00	PH130-0007
3854750-1	PH140-0020	6643474-7	PH360-0002	67C-43880-00-00	PH200-T073
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3854750-1	PH140-0020	21129980	PH140-0019-CCW		



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67C-81800-00-00	PH130-0028	69W-81800-00-00	PH130-0082	6H4-81800-11-00	PH130-0063
67C-81800-01-00	PH130-0028	6A0-24410-00-00	PH500-M003	6H4-81800-12-00	PH130-0063
67C-81800-02-00	PH130-0028	6A0-24410-01-00	PH500-M003	6H5-43880-02-00	PH200-T048
67F-43880-00-00	PH200-T044	6A0-24410-02-00	PH500-M003	6H5-43880-09-00	PH200-T048
67F-81800-00-00	PH130-0055	6A0-24410-03-00	PH500-M003	6J4-81800-01-00	PH130-0062
67F-81800-01-00	PH130-0055	6A0-24410-04-00	PH500-M003	6K7-81800-10-00	PH130-0051
67F-81800-02-00	PH130-0055	6A0-24410-05-00	PH500-M003	6K8-81800-10-00	PH100-YA05
67H-13907-00-00	PH500-M019	6AW-13907-00-00	PH500-M066	6K8-81800-10-00	PH100-YA05-G
67H-13907-00-00	PH500-M020	6AW-13907-10-00	PH500-M066	6K8-81800-10-00	PH100-YA05-R
67H-43880-00-00	PH500-M057	6B6-81940-00-00	PH375-0046	6K8-81800-11-00	PH100-YA05
67H-43880-01-00	PH500-M057	6BR-81800-00-00	PH130-0073	6K8-81800-11-00	PH100-YA05-G
67H-43880-03-00	PH500-M057	6BR-81800-01-00	PH130-0073	6K8-81800-11-00	PH100-YA05-R
67H-43880-04-00	PH500-M057	6C5-13907-00-00	PH500-M029	6K8-81800-12-00	PH100-YA05
67H-43880-10-00	PH500-M057	6C5-43880-00-00	PH200-T045	6K8-81800-12-00	PH100-YA05-G
682-81800-11-00	PH130-0061	6C5-43880-01-00	PH200-T045	6K8-81800-12-00	PH100-YA05-R
682-81800-12-00	PH130-0061	6CB-13907-00-00	PH500-M067	6K8-81807-10-00	PH105-D004
688-43880-11-00	PH200-T037	6CB-13907-10-00	PH500-M067	6L2-81800-20-00	PH130-0061
688-81800-10-00	PH130-0058	6CB-24410-00-00	PH500-M068	6M6-81800-00-00	PH100-YA01
688-81800-11-00	PH130-0058	6D3-81800-00-00	PH100-YA06	6M6-81800-00-00	PH100-YA01-G
688-81800-12-00	PH130-0058	6D3-81800-00-00	PH100-YA06-G	6M6-81800-00-00	PH100-YA01-R
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68F-13907-01-00	PH500-M022	6D8-43880-01-00	PH200-T068	6M6-8183E-00-00	PH105-D001-G
68F-81800-01-00	PH130-0056	6D8-43880-09-00	PH200-T059	6M6-8183E-01-00	PH105-D001
68F-81800-02-00	PH130-0056	6D8-43880-09-00	PH200-T068	6M6-8183E-01-00	PH105-D001-G
68N-81940-00-00	PH375-0042	6E5-81941-10-00	PH375-0053	6N7-81800-00-00	PH130-0051
68V-13907-00-00	PH500-M021	6E5-81941-11-00	PH375-0053	6N7-81800-01-00	PH130-0005
68V-13907-01-00	PH500-M021	6E5-24410-01-00	PH500-M002	6N7-81800-01-00	PH130-0051
68V-13907-02-00	PH500-M021	6E5-24410-02-00	PH500-M002	6N7-81800-10-00	PH130-0005
68V-13907-03-00	PH500-M021	6E5-24410-03-00	PH500-M002	6N7-81800-10-00	PH130-0051
68V-43880-00-00	PH200-T057	6E5-24410-04-00	PH500-M002	6P2-13907-00-00	PH500-M069
68V-43880-01-00	PH200-T057	6E5-24410-10-00	PH500-M002	CS3-43880-00-00	PH200-T036
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68V-81800-00-00	PH130-0057	6E5-81800-10-00	PH130-0005	6S5-81800-00-00	PH100-YA07-R
68V-81800-01-00	PH130-0057	6E5-81800-11-00	PH130-0005	6TA-81800-00-00	PH150-0005
68V-8194A-00-00	PH375-0042	6E5-81800-12-00	PH130-0005		
692-24410-00-00	PH500-M003	6E5-81950-00-00	PH375-0047	<b>YANMAR</b>	
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697-81800-11-00	PH130-0007	6E5-8195A-00-00	PH375-0048	114362-77010	PH140-0007
697-81800-12-00	PH130-0007	6E5-8195A-01-00	PH375-0048	114362-77011	PH140-0007
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69J-24410-01-00	PH500-M025	6G5-43880-01-00	PH200-T047	119773-77010	PH150-0005
69J-24410-02-00	PH500-M025	6G5-43880-02-00	PH200-T030	119773-77200	PH300-0018
69J-43380-00-00	PH200-T069	6G8-81800-11-00	PH130-0062	119836-7200-3	PH300-0020
69J-43380-01-00	PH200-T069	6H1-43880-00-00	PH200-T041	119836-77200	PH300-0020
69J-81800-00-00	PH130-0074	6H1-43880-02-00	PH200-T029	119836-77200-2	PH300-0020
69L-81800-00-00	PH130-0059	6H3-81800-10-00	PH130-0050	119836-77201	PH300-0020
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**PROTORQUE - Part Number Cross Reference**



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121400-77010	PH150-0004-OE
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124250-77011	PH150-0004-OE
124250-77012	PH150-0004
124250-77012	PH150-0004-OE
128170-77010	PH140-0008
128170-77010D	PH140-0008
128270-77200	PH300-0005
128270-77201	PH300-0005
128270-77202	PH300-0005
128271-77200	PH300-0002
129470-77200	PH300-0002
129573-77010	PH150-0004
129573-77010	PH150-0004-OE
129608-77010	PH140-0009
129612-77230	PH300-0020
129698-77010	PH140-0009
129772-77200	PH300-0002
171008-77010	PH150-0004
171008-77010	PH150-0004-OE





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