



# REPLACEMENT INBOARD STARTERS



## TECH TIP *Rust, Corrosion or Submersions are NOT COVERED BY WARRANTY*

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### 30118

FITS: MERCUISER, O.M.C.

Threaded stud in case  
Standard solenoid  
12 Volt, CW Rotation



### 30129

12 Volt, CCW rotation

#### SW975

Replacement solenoid

★ NEW H/D REPLACEMENT AVAILABLE!  
CW Rotation: Order #30460

### 30124

HEAVY-DUTY

FITS: MERCUISER,  
O.M.C. COBRA,  
YAMAHA, VOLVO PENTA  
w/ metric solenoid  
12 Volt, CW Rotation



### 30115

12 Volt, CCW rotation

#### SW984

Replacement solenoid

★ NEW H/D REPLACEMENT AVAILABLE!  
CW Rotation: Order #30460

### 30119

HEAVY-DUTY

FITS: MERCUISER, O.M.C.,  
VOLVO PENTA, ETC.  
w/ standard solenoid  
12 Volt, CW Rotation



### 30116

12 Volt, CCW rotation

#### SW975

Replacement solenoid

★ NEW H/D REPLACEMENT AVAILABLE!  
CW Rotation: Order #30460

### 30140

HEAVY-DUTY

FITS: MERCUISER,  
COBRA, YAMAHA,  
VOLVO PENTA  
V6, V8 w/ metric solenoid,  
12 Volt, CW Rotation



### 30141

12 Volt, CCW rotation

#### SW984

Replacement solenoid

★ NEW H/D REPLACEMENT AVAILABLE!  
CW Rotation: Order #30470 &  
MBK450 Mounting Bolt Kit

### 30120

HEAVY-DUTY

FITS MERCUISER, O.M.C.,  
VOLVO PENTA, ETC.  
w/ metric solenoid  
12 Volt, CW Rotation



### 30123

12 Volt, CCW rotation

#### SW984

Replacement solenoid

★ NEW H/D REPLACEMENT AVAILABLE!  
CW Rotation: Order #30456  
CCW Rotation: Order #30457



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### 30433 (NEW)

**VALUE PRICED!  
STANDARD DUTY**

Direct OEM replacement gear reduction starter.

**FITS: ALL GM ENGINES** with 14" flywheel using a staggered bolt pattern.

Recommended for late model 3.0 Liter with 14" flywheel using tail bracket.



**REPLACES ARCO 30450**

Can also be used in place of **ARCO** 30140\* or 30470!  
\*Mounting bolt kit MBK450 required if replacing 30140.

**SW463** Replacement Solenoid

### 30456 (NEW)

**HIGH-PERFORMANCE**

**FITS: MERCURISER, CRUSADER, MARINE POWER, PLEASURECRAFT, AND OTHERS.**

14MT, CW Rotation

Will also replace **ARCO** 30120



### 30457 (NEW)

**HIGH-PERFORMANCE**

**FITS: MERCURISER, CRUSADER, MARINE POWER, PLEASURECRAFT, AND OTHERS.**

14MT, CCW Rotation

Will also replace **ARCO** 30123

### DV456

**CW Rotation** Replacement Drive

Fits: Delco 14 MT, **ARCO** 30456 starter

### DV457

**CCW Rotation** Replacement Drive

Replaces: Mercury 850402

Fits: Delco 14 MT, **ARCO** 30457 starter

### SW456

14 MT Replacement Solenoid

4 Post, 3-Bolt Mount



### 30459 (NEW)

**HIGH-PERFORMANCE**

**FITS: MERCURISER, CRUSADER, MARINE POWER, AND OTHERS.**

Light weight and compact; permanent magnet gear reduction.

**CCW Rotation**

**SW463** Replacement Solenoid



### 30460 (NEW)

**HIGH-PERFORMANCE**

Permanent magnet, gear reduction starter

**FITS: MERCURISER, COBRA, YAMAHA, VOLVO PENTA**

**CW Rotation**

12<sup>3/4</sup>" flywheel



Includes Mounting Bolts & Gasket



**30460** Will Replace All CW Rotating 10MT Starters With One Long And One Short Bolt Straight Across Pattern.

### DV460

Replacement 9 tooth drive gear

fits **ARCO** 30460 only!



### SW450

Replacement solenoid fits **ARCO** 30460 & 30470 only!

Does not include plunger; see below.

**PA450S** 1<sup>3/4</sup>" Plunger for **ARCO** SW450

**PA450L** 2<sup>1/4</sup>" Plunger for **ARCO** SW450



### 30462 (NEW)

**FITS: 6.0L GM ENGINES**

Permanent magnet gear reduction starter with two long bolt slight offset bolt pattern

**SW463** Replacement Solenoid



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### 30470 (NEW)

#### HIGH-PERFORMANCE

Permanent magnet gear reduction starter

FITS: VOLVO PENTA, MERCURUISER, MARINE POWER, ETC.

2 long bolt staggered pattern

14" flywheel, CW Rotation

Will also replace 9-tooth OEM version.



**DOES NOT** include mounting bolt kit - See below.  
Will Also replace **ARCO** 30140.

### MBK450

MOUNTING BOLT KIT REQUIRED if replacing 10MT style starters.



### DV450

Replacement 11-tooth drive gear



### SW450

Replacement solenoid

For **ARCO** 30460, & 30470 only!

Does not include plunger; see below.

Order plungers separately.



### PA450S

1 3/4" Plunger for **ARCO** SW450



### PA450L

2 1/4" Plunger for **ARCO** SW450



### 50109

#### HEAVY-DUTY

FITS: CHRYSLER

318 Marine V8

2 bolt mount,

1 threaded hole

12 Volt, CW rotation



### 50110

12 Volt, CCW Rotation

### 50115

#### HEAVY-DUTY

FITS: CHRYSLER

MARINE, INDUSTRIAL

TRAVELIFT AND OTHERS

2 bolt mount

2 Volt, CW Rotation



Limited Quantities  
Call for Availability

### SW402

Replacement solenoid

### 50134

#### HEAVY-DUTY

FITS: CHRIS CRAFT, HARMAN MARINE

3 bolt mount (two 3/8" holes, one 5/16" threaded hole)

12 Volt, CW Rotation



### 50135

12 Volt, CCW rotation

### SW402

Replacement solenoid

### 50137

#### HEAVY-DUTY

FITS: CHRIS CRAFT AND OTHERS

3 bolt mount, (two 3/8" holes, one 5/16" threaded hole)

12 Volt, CW Rotation

### 50138

12 Volt, CCW rotation

### SW402

Replacement solenoid



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### 50141

HEAVY-DUTY  
12 Volt, CCW rotation

### 50142

HEAVY-DUTY  
FITS: CHRIS CRAFT,  
VOLVO PENTA V8  
2 bolt mount  
12 Volt, CW rotation

### SW402

Replacement solenoid



### 50169

HEAVY-DUTY  
FITS: MERCURISER  
888, 302, 351 FORDS  
2 bolt mount  
12 Volt, CW rotation



### 50143

HEAVY-DUTY  
FITS: MERCURISER 470  
Threaded mounting  
stud in case  
12 Volt, CW rotation



### 50144

12 Volt, CCW rotation

### 70000

HEAVY-DUTY  
Gear-reduction starter  
FITS: MANY FORDS  
Long life motor  
w/ heavy duty  
ball bearings  
(no bushings  
to wear out)  
Draws less current  
than conventional  
Ford starters  
12 Volt, CW rotation



### 50160

HEAVY-DUTY  
FITS: CHRIS CRAFT  
3 bolt housing  
12 Volt, CW rotation

### 50161

HEAVY-DUTY  
FITS: CHRIS CRAFT  
12 Volt, CCW rotation  
SW402

Replacement solenoid



### 70100

FITS: MANY 302, 351 FORDS  
Nose extends 2 3/8"  
into flywheel  
12 Volt, CW rotation  
Side battery terminal

### 70101

12 Volt, CCW rotation  
To be discontinued when  
present stock is exhausted

### SW394

Replacement solenoid



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### 70106

FITS: CRUSADER AND OTHERS W/ FORD ENGINES

Nose extends 2" into flywheel

2 bolt mount

12 Volt, CW rotation

Side battery terminal



### 70107

12 Volt, CCW rotation

To be discontinued when present stock is exhausted

#### SW394

Replacement solenoid

### 70108

FITS: 460 FORDS

Heavy Duty

12 Volt, CW rotation



### 70109

12 Volt, CCW rotation

To be discontinued when present stock is exhausted

### 70110

FITS: 302, 351 FORDS

Mod 1- style

Nose extends 2 3/8" into flywheel

12 Volt, CW rotation

Rear battery terminal

### 70111

12 Volt, CCW rotation

To be discontinued when present stock is exhausted

#### SW394

Replacement solenoid



### 70112

FITS: COBRA, MERCURUISER 460

Mod I style

Threaded top hole in housing

12 Volt, CW rotation

Rear battery terminal



### 70113

12 Volt, CCW rotation

To be discontinued when present stock is exhausted

#### SW394

Replacement solenoid

### 70116 (NEW)

FITS: MANY LATE MODEL

2.3 L FORDS, Mod III style

1989-1992 COBRA - 5.0-5.8 L

4" diameter case

3-BOLT MOUNT

12 Volt, CW rotation

Rear battery terminal



#### SW394

Replacement solenoid

### 70117

FITS: MANY LATE MODEL FORDS

Mod II style;

4 1/2" diameter case

Nose extends 2 3/8"

into flywheel

2-bolt mount

12 Volt, CW rotation

Rear battery terminal

### 70118

12 Volt, CCW rotation

To be discontinued when present stock is exhausted

#### SW394

Replacement solenoid



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### 70125 (NEW)

Gear-reduction starter  
**FITS: MANY LATE MODEL 5.0L, 5.8L FORDS**  
Permanent magnet  
12 Volt, CW rotation

#### SW125

Replacement solenoid



### 90120 (NEW)

**FITS: PERKINS, RENAULT MARINE, VOLVO PENTA**

Replaces: Paris Rhone D11E119T  
3 bolt mount  
12 Volt,  
CW rotation

#### SW814

Replacement solenoid



### 90105 (NEW)

**FITS: RENAULT & MERCURUISER**

70, 80, 90 series, Paris Rhone  
3 bolt mount  
12 Volt, CW rotation



### 90125 (NEW)

**24 Volt, CW rotation**

**FITS: PERKINS, RENAULT MARINE, VOLVO PENTA**

Replaces: Paris Rhone D11E122T  
3 bolt mount



### 90110 (NEW)

**FITS: BUKH & RUGGERINI**

DV8, RD80, 180,  
181, RF140 series  
Replaces: Paris Rhone D9E50  
2 bolt mount  
12 Volt,  
CCW rotation



### 95949 (NEW)

**FITS: RENAULT MARINE, VOLVO PENTA**

Replaces: Paris Rhone D11E126, D11E156  
3 bolt mount  
12 Volt, CW rotation

#### SW814

Replacement solenoid



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### 97224 (NEW)

Early style conventional starter  
Replaces: Paris Rhone D11E167T

### 97225 (NEW)

Gear-reduction starter  
**FITS: VOLVO PENTA** TMD40, TMD41, KAD42 and others.  
Replaces: Paris Rhone/Valeo D9R116, D9R144,  
3 bolt mount,  
12 Volt, CW rotation



### SW225

Replacement solenoid

### DV225

Replacement Drive gear

### 97306 (NEW)

Bosch Style Starter  
**FITS: VOLVO PENTA** AQ70B, BL, C, CL, D, MD42A, D70B, TAMD60B, 70B, 70C, 70D, TMD70B  
12 Volt - **9 Tooth Drive Gear**  
CW rotation



### 97307 (NEW)

Bosch Style Starter  
Fits: MD42A, MD70B, TAMD60B, TAMD70C  
Replaces: **VOLVO PENTA**  
**24 Volt -**  
**9 Tooth Drive Gear**  
CW Rotation



### 97308 (NEW)

Bosch Style Starter  
Fits: TAMD120A, TAMD120B,  
**VOLVO PENTA**  
**24 Volt - 11 Tooth Drive Gear**  
CW rotation

### 98170

Lucas M45G starter  
**FITS: PERKINS 4-108VA**  
propulsion  
**13 tooth drive gear**  
12 volt, CW rotation



### 98175

Mitsubishi gear reduction starter  
**FITS: WESTERBEKE**  
**9 tooth drive gear**  
12 volt, CW rotation



### 98185 (NEW)

**FITS: YANMAR** 4JH, QM20, 2QM20, & 2T engines



### 10113 (NEW)

Gear-reduction starter  
**FITS: VOLVO PENTA**  
4 cyl, 6 cyl gas  
Aluminum pinion housing  
w/ 2 threaded mounting holes  
Permanent magnet,  
12 volt, CW rotation



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### 12100

FITS: MANY SMALL  
PERKINS DIESELS  
10 tooth gear  
12 Volt, CW rotation



### 12101

10 tooth gear  
12 Volt, CCW rotation

### 12102

12 tooth gear  
12 Volt, CW rotation

### 12105

FITS: WESTERBEKE  
DIESEL, etc.  
9 tooth gear  
12 Volt, CCW rotation



### 12200

FITS: MANY MID-SIZE  
PERKINS DIESELS  
4 cyl  
10-tooth drive gear  
12 Volt, CW rotation



### 12201

12 Volt, CCW rotation

### 12202

FITS: MANY MID SIZE  
PERKINS DIESELS  
12-tooth drive gear  
12 Volt, CW rotation



### 12203

12 Volt, CCW rotation

### 12205

FITS: CUMMINS  
MARINE 6.9L,  
PENINSULAR 6.2L,  
379T, ETC.  
10 tooth drive gear  
12 Volt, CW rotation



### 12206

12 Volt, CCW rotation

### 12213 (NEW)

FITS: CUMMINS 6BT,  
PENINSULAR,  
6.2L DIESEL, ETC.  
10 tooth drive gear  
12 Volt, CW rotation



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