

# REPLACEMENT INBOARD STARTERS



*Tech Tip*

**Rust, Corrosion or Submersions are NOT COVERED BY WARRANTY**

**ARCO** treats every component with special rust and corrosion resistant coatings to prevent water damage. However, it is impossible to protect the unit from direct contact with water. Therefore, a failure directly caused by rust, corrosion or submersion is not covered by warranty.

**30433 (NEW)**  
**VALUE PRICED!**  
**STANDARD DUTY**  
**Direct O.E.M. 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.

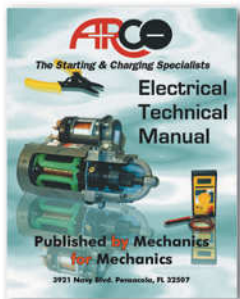


Can also be used in place of 10MT with two long bolt staggered pattern or 30470!  
 \*Mounting bolt kit MBK450 required if replacing 10MT.

**SW463** Replacement Solenoid

## Electrical Technical Manual Published by Mechanics for Mechanics

**TM001**  
 Electrical Technical Manual



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**30456 (NEW)**  
**HIGH-PERFORMANCE**  
**FITS: MERCUISER, CRUSADER, MARINE POWER, PLEASURECRAFT, AND OTHERS.**  
 14MT, CW Rotation



**30457 (NEW)**  
**HIGH-PERFORMANCE**  
**FITS: MERCUISER, CRUSADER, MARINE POWER, PLEASURECRAFT, AND OTHERS.**  
 14MT, CCW Rotation



Replaces this 10 MT style starter

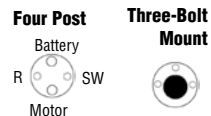
**DV456**  
**CW Rotation Replacement Drive**  
**Fits: Delco 14 MT, ARCO 30456 starter**



**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: MERCUISER, CRUSADER, MARINE POWER, AND OTHERS.**  
 Light weight and compact;  
 permanent magnet gear reduction.  
**CCW Rotation**



**SW463** Replacement Solenoid





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**30460 (NEW)**  
**HIGH-PERFORMANCE**  
Permanent magnet  
gear reduction starter  
**FITS: MERCURISER,  
COBRA, YAMAHA,  
VOLVO PENTA  
CW Rotation  
12¾" flywheel**



**INCLUDES  
MOUNTING  
BOLTS & GASKET**



**Replaces this  
10 MT style  
starter**

**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  
**For ARCO 30460 & 30470 only!**  
**Does not include  
plunger; see below.**  
**Order plungers separately.**



**PA450S**  
1¾" Plunger for ARCO SW450  
Fits 30460



**PA450L**  
2¼" Plunger for ARCO SW450  
Fits 30470



**30462 (NEW)**  
**FITS: 6.0L GM  
ENGINES**  
Permanent magnet  
gear reduction starter  
with two long bolt  
slight offset bolt pattern



**SW463** Replacement Solenoid

**30470 (NEW)**  
**HIGH-PERFORMANCE**  
Permanent magnet  
gear reduction starter  
**FITS: VOLVO PENTA,  
MERCURISER,  
MARINE POWER, ETC.**  
Two long bolt staggered pattern  
14" flywheel, **CW Rotation**  
**Will also replace 9-tooth OEM version.**



**30470 Will Replace  
all CW Rotating 10MT  
Starters with Two Long Bolt  
Staggered Pattern. DOES  
NOT INCLUDE MOUNTING  
BOLT KIT - SEE BELOW.**



**Replaces this  
10 MT style  
starter**

**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**  
1¾" Plunger for ARCO SW450  
Fits 30460



**PA450L**  
2¼" Plunger for ARCO SW450  
Fits 30470



**50109**  
**HEAVY-DUTY**  
**FITS: CHRYSLER**  
318 Marine V8  
**Two-bolt mount,  
1 threaded hole**  
12 Volt, **CW rotation**



**50110**  
12 Volt, **CCW Rotation**



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## 50134

**HEAVY-DUTY**

**FITS: CHRIS CRAFT, HARMAN MARINE**

**Three-bolt mount** (two 3/8" holes, one 5/16" threaded hole) 12 Volt, **CW Rotation**



## 50135

12 Volt, **CCW rotation**

## 50137

**HEAVY-DUTY**

**FITS: CHRIS CRAFT AND OTHERS**

**Three-bolt mount**, (two 3/8" holes, one 5/16" threaded hole) 12 Volt, **CW Rotation**



## 50138

12 Volt, **CCW rotation**

## 50141

**HEAVY-DUTY**

12 Volt, **CCW rotation**



## 50142

**HEAVY-DUTY**

**FITS: CHRIS CRAFT, VOLVO PENTA V8**

**Two-bolt mount** 12 Volt, **CW rotation**

## 50143

**HEAVY-DUTY**

**FITS: MERCUISER 470**

Threaded mounting stud in case 12 Volt, **CW rotation**



## 50160

**HEAVY-DUTY**

**FITS: CHRIS CRAFT**

**Three-bolt housing** 12 Volt, **CW rotation**



## 50161

**HEAVY-DUTY**

**FITS: CHRIS CRAFT** 12 Volt, **CCW rotation**

## 50169

**HEAVY-DUTY**

**FITS: MERCUISER 888, 302, 351 FORDS**

**Two-bolt mount** 12 Volt, **CW rotation**







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## 70106

**FITS: CRUSADER AND OTHERS W/FORD ENGINES**

Nose extends 2" into flywheel

Two-bolt mount

12 Volt, CW rotation

Side battery terminal



## 70107

12 Volt, CCW rotation

Side battery terminal

## SW394

Replacement solenoid

**To be discontinued when present stock is exhausted.**

## 70108

**FITS: 460 FORDS**

Heavy Duty

12 Volt, CW rotation



**To be discontinued when present stock is exhausted.**

## 70117

**FITS: MANY LATE MODEL FORDS**

Mod II style;

4 1/2" diameter case

Nose extends 2 3/8" into flywheel

Two-bolt mount

12 Volt, CW rotation

Rear battery terminal



**To be discontinued when present stock is exhausted.**

**SW394** Replacement solenoid

## 70125 (NEW)

Permanent magnet

Gear-reduction starter

**FITS: MANY LATE MODEL**

**5.0L, 5.8L FORDS**

12 Volt, CW rotation



## SW125

Replacement solenoid

## 70200 (NEW)

HIGH PERFORMANCE

Permanent magnet

Gear-reduction starter

**FITS: 302, 351 FORDS**

12 Volt, CW rotation

Kit includes wiring

harness to replace

conventional starter.



## 70201 (NEW)

HIGH PERFORMANCE

CCW ROTATION

Same as above except CCW rotation.



**Will also replace conventional style starter**

**SW125** Replacement solenoid

**ORDER TOLL FREE**

**1-800-722-2720**

Monday - Thursday

7:00 a.m. - 5:30 p.m. Central Time



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**70212 (NEW)**  
**HIGH PERFORMANCE**  
Permanent magnet  
Gear-reduction starter  
**FITS: 460 FORD ENGINES**  
Replaces: O.M.C. 988013  
12 Volt, CW rotation  
Two-bolt mount with 3/8" x 18  
threaded mounting ear.  
Kit includes wiring harness  
to replace conventional starter.



Will also replace  
conventional style starter

**SW125** Replacement solenoid

**70216 (NEW)**  
**HIGH PERFORMANCE**  
Permanent magnet  
Gear-reduction starter  
**FITS: 2.3L FORD ENGINES**  
Replaces: O.M.C. 988012  
12 Volt, CW rotation  
Three-bolt mount.  
Kit includes wiring harness  
to replace conventional starter.



Will also replace  
conventional style starter

**SW125** Replacement solenoid

**90105 (NEW)**  
**FITS: RENAULT & MERCUISER**  
70, 80, 90 series, PARIS RHONE  
**Three-bolt mount**  
12 Volt, CW rotation



To be discontinued when  
present stock is exhausted.

**90110 (NEW)**  
**FITS: BUKH & RUGGERINI**  
DV8, RD80, 180,  
181, RF140 series  
**Replaces: PARIS**  
**RHONE D9E50**  
**Two-bolt mount**  
12 Volt,  
**CCW rotation**



To be discontinued when  
present stock is exhausted.

**90120 (NEW)**  
**FITS: PERKINS, RENAULT MARINE,**  
**VOLVO PENTA**  
**Replaces: PARIS RHONE**  
D11E119T  
**Three-bolt mount**  
12 Volt,  
**CW rotation**



**SW814**  
Replacement solenoid

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present stock is exhausted.



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**90125 (NEW)**  
24 Volt, CW rotation  
**FITS: PERKINS,  
RENAULT MARINE,  
VOLVO PENTA**  
Replaces: PARIS RHONE  
D11E122T  
Three-bolt mount



**To be discontinued when present stock is exhausted.**

**97308 (NEW)**  
Bosch Style Starter  
**Fits: TAMD120A, TAMD120B,  
VOLVO PENTA**  
24 Volt, 11-Tooth Drive Gear  
CW rotation



**To be discontinued when present stock is exhausted.**

**95949 (NEW)**  
**FITS: RENAULT MARINE,  
VOLVO PENTA**  
Replaces: PARIS RHONE  
D11E126, D11E156  
Three-bolt mount  
12 Volt, CW rotation



**To be discontinued when present stock is exhausted.**

**98170**  
Lucas M45G starter  
**FITS: PERKINS 4-108VA**  
propulsion  
13-tooth drive gear  
12 volt, CW rotation



**To be discontinued when present stock is exhausted.**

**97225 (NEW)**  
Gear-reduction starter  
**FITS: VOLVO PENTA TMD40,  
TMD41, KAD42 and others.**  
Replaces: PARIS RHONE/VALEO  
D9R116, D9R144, D11E167T  
Three-bolt mount, 12 Volt, CW rotation



**SW225** Replacement solenoid

**DV225** Replacement drive gear

**NEED  
TECHNICAL  
ASSISTANCE?  
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## 98180 (NEW)

**FITS: YANMAR**

GM, GM2, GM3,  
GM10, GM20/2-20F,  
GM30, GMF, 1GM,  
2GM, 3GM

**Replaces: HITACHI** S114-303,  
S114-303A



## 12200

**FITS: MANY MID-SIZE  
PERKINS DIESELS**

4 cyl  
**10-tooth drive gear**  
12 Volt, **CW** rotation



**To be discontinued when  
present stock is exhausted.**

## 98185 (NEW)

**FITS: YANMAR**

4JH, QM20,  
2QM20, & 2T engines

**Replaces: HITACHI** S114-483,  
S114-815



## 12202

**FITS: MANY MID SIZE  
PERKINS DIESELS**

**12-tooth drive gear**  
12 Volt, **CW** rotation



**To be discontinued when  
present stock is exhausted.**

## 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



## 12205

**FITS: CUMMINS**

**MARINE 6.9L,**  
**PENINSULAR 6.2L,**  
379T, ETC.

**10-tooth drive gear**  
12 Volt, **CW** rotation



## 12206

12 Volt, **CCW** rotation

**To be discontinued when  
present stock is exhausted.**

## 12100

**FITS: MANY SMALL  
PERKINS DIESELS**

**10-tooth gear**  
12 Volt, **CW** rotation



**To be discontinued when  
present stock is exhausted.**

## 12213 (NEW)

**FITS: CUMMINS 6BT,**  
**PENINSULAR,**  
**6.2L DIESEL, ETC.**

**10-tooth drive gear**  
12 Volt, **CW** rotation

