



PARTS & SERVICE DIV.

MERCUISER SERVICES BULLETIN

Section: XII (Service
Bulletins)
Number: 19 64-24
Date : 9/29/64

- A. Power Tilt Installation - MerCr. II
- B. Warning Re: Power Lift Cylinders
- C. Spark Plug Recomm. - MerCr. 190 & 250
- D. Alternator Identification
- E. Recommended Fuel Line Size
- F. Water Pump Repair - MerCr. I & II
- G. Harness Extension - Full Power Tilt

A. MERCUISER II POWER TILT INSTALLATION

(For Installation Section II)

When installing Power Tilt on MerCruiser II Stern Drive Units, Serial No. 1778954 and above, remove one spring on each side of reverse hook assembly, as shown in Figure 1.

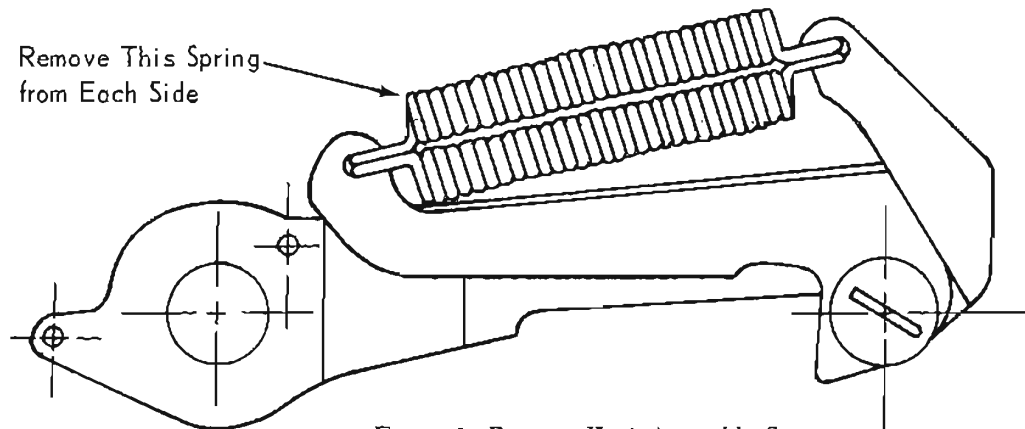


Figure 1. Reverse Hook Assembly Spring

B. WARNING RE: POWER LIFT CYLINDERS

(For Installation Section II)

DO NOT PAINT sliding portion of Power Lift cylinders. (Figure 2) Because of precision fit between stainless steel piston and cylinder, paint will render the lift cylinders inoperative.

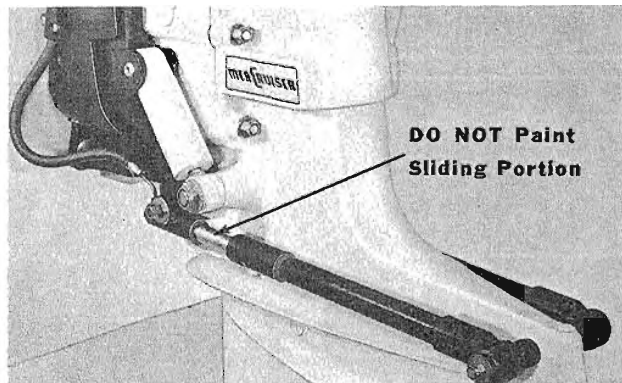


Figure 2. Power Lift Cylinders

C. SPARK PLUG RECOMMENDATION - MERCUISER 190 & 225

(For Chart on P. 1 of Engine Tuneup Section III)

Spark plugs AC-C43 (B-33-38216) supersede AC-C42-1 Com. (B-33-33743) spark plugs and now are standard equipment on MerCruiser 190 and 225 Marine Engines. Your present supply of AC-C42-1 Com. spark plugs may be used on earlier MerCruiser 190 and 225 engines. DO NOT INTERMIX spark plugs of different heat ranges in the same engine.

D. ALTERNATOR IDENTIFICATION

(For Alternator Section VI)

MerCruiser Marine Engines now are equipped with a 32 amp. alternator (B-37615), which supersedes the 42 amp. alternator (B-32701). The new alternator can be identified by number "1100721-32A" stamped on the drive end frame. (Figure 3) The major components of both alternators are identical, with the exception of the rotors, which may be interchanged although not identical.

NOTE: The alternator capacity is 32 amps. with the B-38022 rotor installed or 42 amps with the B-33331 rotor installed.

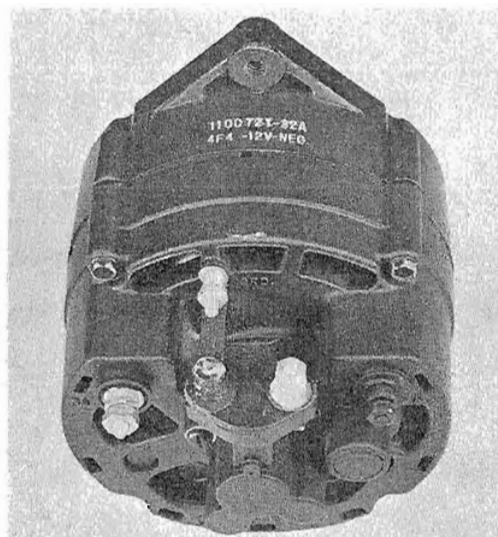


Figure 3. Identifying Number

E. RECOMMENDED FUEL LINE SIZE - ALL MERCUISER MARINE ENGINES

(For Installation Section II)

If length of fuel line required is less than 30 ft. (9.144m), use line and fittings which have an inside diameter of not less than 1/4" (6.35mm). If length of fuel line required is more than 30 ft. (9.144m), use line and fittings which have an inside diameter of not less than 5/16" (7.938mm).

F. WATER PUMP REPAIR - MERCUISER I & II

(For Drive Unit Section IX & Miscellaneous Section X)

When installing or replacing water pump body inserts on units used in salt water areas, apply a thin coat of Crankcase Sealer (C-92-28804) to outside of the cup before inserting into body. Wipe off excess sealer after installing insert into water pump body. This will eliminate salt or corrosion built-up between the insert and water pump body.

G. HARNESS EXTENSION, FULL POWER TILT (B-37971A1)

(For Installation Section II)

A 25 ft. (7.62m) harness extension for Full Power Tilt (high pressure only) is now available for longer boats. The harness extension is attached to the original wiring harness via a terminal block and contains a solenoid, jumper cables and necessary fasteners.

H. REPLACING NYLON BARREL ON C-34555A CABLE

(For Installation Section II)

If nylon barrel (C-35239) on remote control cable (C-34555A_) becomes loose or damaged, it may be replaced as follows:

1. Remove inner core wire.

NOTE: Remove burrs, made by set screws on core wire, with a file so that inner liner of cable will not be damaged when core wire is removed. Round off end of core wire so that inner lining is not damaged when core wire is reinserted.

2. Remove damaged nylon barrel.
3. Install new nylon barrel. Larger diameter of hole in barrel faces cable.
4. Pressure must be exerted against nylon barrel while threading nylon barrel on cable. (Figure 4) Distance from end of cable to center line of nylon barrel must measure exactly 1-3/8" (34.925 mm). (Figure 5)

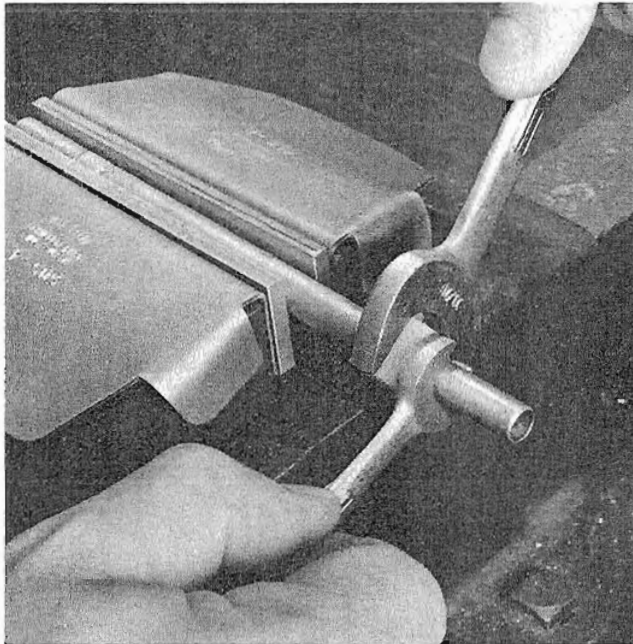


Figure 4. Threading Nylon Barrel on Cable

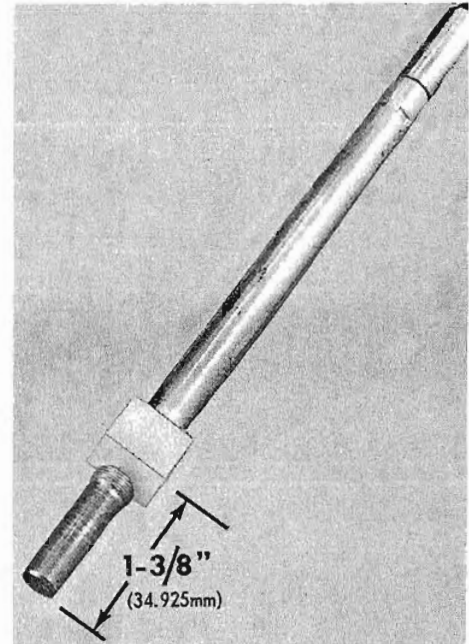


Figure 5. Distance from Cable End to Nylon Barrel