

- A. Reed Set P/N 34-56704A1 - Merc 20 & 50
- B. Power Trim Pump Brush Plate Assembly - P/N 392-2940 and 392-8262
- C. Cleaning Tapered Piston Ring Grooves - V-6 Outboards
- D. Readjustment of Neutral Start Interlock - Merc 50EH and 50ELH
- E. Lighting Circuit - 7.5M/9.8M/ 18M/25M
- F. 1982 "Quicksilver Propeller Chart For Mercury Outboards"
- G. NGK Spark Plug - Cross Reference

**CIRCULATE TO:**  
**SERVICE MANAGER**  
**PARTS MANAGER**  
**MECHANICS**

## A. REED SET 34-56704A1 - MERC 20 & 50

Replacement Reed Sets (34-56704A1), no longer require installation as left or right reeds. Due to a manufacturing process that tapers both edges of the reed, left and right reeds need not be separated. This process also reduces reed tip cracking.

<b>34-56704A1</b>	<b>Reed Set</b>
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## B. POWER TRIM PUMP BRUSH PLATE ASSEMBLY - 392-2940 and 392-8262

Power Trim Pump Brush Plate Assembly, (392-2940 and 392-8262) will, in the future, also contain the brush springs. Brush Spring Kit (392-5229) will still be available separately if required.

<b>392-2940</b>	<b>Brush Plate Assembly</b>
<b>392-8262</b>	<b>Brush Plate Assembly</b>
<b>392-5229</b>	<b>Brush Spring Kit</b>

## C. CLEANING TAPERED PISTON RING GROOVES - V-6 OUTBOARDS

When cleaning the tapered ring grooves of V-6 outboard pistons, care must be taken to prevent damage to the grooves and/or loosening of the ring locating pins.

Clean ring grooves with an adjustable "automotive type" groove cleaner. Use caution with this type groove cleaner as it could loosen the piston ring locating pins. Use a bristle brush and solvent on the lower (sealing) surface of the groove. Usually this portion of the groove is kept carbon-free by the flex action of the ring.

## D. READJUSTMENT OF NEUTRAL START INTERLOCK - MERC 50EH and 50ELH

To reduce the possibility of future interlock cable breakage, whenever servicing a customer's Merc 50EH and 50ELH (S/N 6096610 thru 6097379), readjust the neutral start interlock cables as follows:

1. Remove front cover and wrap around cowl.  
 Tools Required: 5/16" Box Wrench or 5/16" Socket with small ratchet. Screwdriver (optional) to push shift lever. Continuity Meter.
2. Loosen interlock adjusting clamp screw to free clamp.
3. Move shift lever in reverse direction (rearward) as far as it will go. While applying light pressure to the lever, in reverse direction, visually check to insure that plastic cable attachment is fully engaged in shift lever (and is not broken).
4. Hold adjusting clamp straight and tighten screw.
5. Move shift lever to neutral position.
6. Perform a continuity check of interlock switch to make certain that switch is activated in neutral.
7. Replace cowl and front cover.

(OVER)

## E. LIGHTING CIRCUIT - 7.5M/9.8M/18M/25M

Manual starting Merc 7.5-9.8-18 and 25 Outboards (M and ML models) that are manufactured in Belgium (or made in U.S.A. for Belgian distribution) are equipped with a "Lighting Circuit" as standard equipment.

The circuit, consisting of a lighting coil, voltage regulator and wiring harnesses, supplies 60 watts (maximum) of AC power regulated to a nominal 12 volts, for operation of auxiliary lighting (typical boat running lights, bow and stern).

Because some of these outboards are, on occasion, sold through U.S.A. distribution, the fact that they are equipped with a "Lighting Circuit", not standard on U.S.A. built engines, naturally prompts several questions.

- 1) The circuitry on the engine is a "Lighting Circuit" providing regulated AC power. It IS NOT a ~~battery charging~~ circuit.

**CAUTION: DO NOT connect the light circuit wire harness to a battery. To do so would result in damage to the voltage regulator, lighting coil and wire harness.**

- 2) The "Lighting Circuit" can be converted to a "Battery Charging Circuit" if a rectifier is added to the circuit to convert AC to DC (as follows).

- a. Rectifier Kit P/N 83-70350A2: Kit contains a rectifier assembly that mounts directly to a wingnut type battery post, a 5' wire harness and installation instructions. (DOES NOT require removal of voltage regulator from engine).

*NOTE: If required, wingnut type battery post adaptors also are available:*

*P/N 27912 Positive (+) Adaptor*

*P/N 27913 Negative (-) Adaptor*

- b. Rectifier P/N 62351A2: Standard equipment rectifier from electric starting (E) models; Replaces voltage regulator on engine.

**CAUTION: Wire harness (leads) used between P/N 62351A2 rectifier and battery MUST BE identified for correct polarity; POSITIVE (+) lead from (+) terminal on rectifier MUST BE connected to POSITIVE (+) battery terminal — If reverse polarity connection is made, damage to the rectifier will result.**

*NOTE: A Lighting Coil Kit P/N 95845A1 (with regulator) or a Battery Charging Kit P/N 62351A3 (with rectifier) are also available as accessories for Merc 18 and 25 manual starting models ONLY. Kits ARE NOT available for manual starting Merc 7.5 or 9.8 models.*

## F. 1982 "QUICKSILVER PROPELLER CHART For MERCURY OUTBOARDS"

Please note the following corrections for the "Quicksilver Propeller Chart for Mercury Outboards" (black "Propeller Pamphlet").

### Merc 3.6

Propeller should be P/N 48-93357A1 (for Merc 3.6 S/N 5802241 and ABOVE, with 15 spline prop shaft). P/N 48-86903A1 is for older Merc 3.6 and Merc 4 with 7 spline prop shaft.

### Merc 7.5 and 9.8

1. Plastic propeller P/N 48-65012A1 is now NIA and should be deleted from the charts.
2. "The "Sail/Workboat" propeller should be P/N 48-89848A2.

## G. NGK SPARK PLUG - CROSS REFERENCE

Please make the following correction to Part "C" of Outboard Service Bulletin Number 82-3, dated 3/8/82. The correct NGK spark plug P/N for Mercury P/N 33-97186 is B9NS-10.