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- A. In-Line Power Trim Cylinders
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CIRCULATE TO:
SERVICE MANAGER
PARTS MANAGER
MECHANICS

A. IN-LINE POWER TRIM CYLINDERS

Certain component parts are No Longer Available for Power Trim Cylinder, P/N 45194A9 (1" diameter rod). Therefore, this cylinder has also been made No Longer Available (NLA). If one 45194A9 cylinder requires replacement on an engine, it will be necessary to replace both cylinders with P/N 92194A14 (3/4" diameter rod). This change is required due to differences in rod diameters between the two part number cylinders. If the new and old part number cylinders were mixed on an engine, unequal pressures would be exerted which would cause the unit to bind up when being trimmed or tilted.

B. POWER TRIM PUMP ASSEMBLY - P/N 45060A7

Power Trim Pump Assembly, P/N 45060A7 was used for both outboard and MerCruiser Products. This pump assembly has been made NLA. For outboard use, order Pump Assembly, P/N 92975A6 and for MerCruiser use, order Pump Assembly, P/N 93247A4.

C. FIRING ORDER - 3 CYLINDER MERC 650-700

Due to a change in cylinder firing order to 1-3-2 (was 1-2-3), it will be necessary to modify the ignition firing order on earlier model 3 cylinder Merc 650 and 700 when using the following parts:

Powerhead Assembly P/N 76785A80
Powerhead Assembly P/N 64933A75
Crankshaft Assembly P/N 462-7574A2

Use the appropriate special instructions following, when installing the above listed assemblies on a 65 HP or 70 HP model within the following Serial Number range:

U.S.A. - 5467466 and Below
 Canada - 7135987 and Below
 Australia - 8063334 and Below
 Belgium - 9238105 and Below
 Mariner - 5476855 and Below

Powerhead Assembly (76785A80)

1. Remove (discard) the greed/red wire which is connected between the switchbox and No. 3 cylinder ignition coil.
2. Disconnect the green/white wire from No. 2 cylinder ignition coil and reconnect it to No. 3 cylinder ignition coil.
3. Connect the greed/red wire (provided) to **No.** 2 cylinder ignition coil and switchbox terminal marked GREEN/RED.

(OVER)

Powerhead Assembly (64933A75)

Reposition the **No. 2** and **No. 3** cylinder spark plug leads at the distributor cap. The No. 3 cylinder spark plug lead should be placed in the distributor tower marked "2"; No. 2 cylinder spark plug lead should be placed in the distributor tower marked "3".

Crankshaft Assembly (462-7574A2)

1. Remove (discard) the greed/red wire which is connected between the switchbox and No. 3 cylinder ignition coil.
2. Disconnect the green/white wire from No. 2 cylinder ignition coil and reconnect it to No. 3 cylinder ignition coil.
3. Connect the green/red wire (provided) to No. 2 cylinder ignition coil and switchbox terminal marked GREEN/RED.

D. TIMING - OUTBOARDS WITH P/N 225-2494A____ SERIES FLYWHEELS

Early flywheels (of the 225-2494A____ series) used on the Merc 1250-1350, etc. have been superseded to the latest flywheel 225-2494A37. The timing location on the decal for the pointer does not come out the same as the old timing marks on the top cowl support. This causes problems with engine timing.

Remove decal from flywheel and stamp a vertical line 20° (1-7/16") counterclockwise from the three punch marks (⋮) on the flywheel rim. (Ref. Outboard Service Bulletin 70-13) Timing can then be done off the three punch marks and the straight line. An instruction sheet will be added to flywheels for future reference.