



MERCruISER SERVICE BULLETIN

Section: XII (Bulletins)
Number: ~~86-2~~ 66-07
Date : 1/14/66

Cut individual items along broken lines & paste in appropriate sections of your MerCruiser Service Manual.

- A. Coil and Ballast Ignition System - MerCr. 110-120-140-150
- B. MerCruiser Service Tools
- C. Gimbal Housing Ball Bearing Replacement - MerCr. IA-IB-IC
- D. Draining of Oil Cooler
- E. Torquing 6-Cyl. Cylinder Head
- F. Oil Pressure - MerCruiseRover Diesel
- G. Serial No. Location - MerCr. I & II

A. COIL AND BALLAST IGNITION SYSTEM – MERCruISER 110-120-140-150 MODELS

(For PP 26A-thru-31A of Installation Section II)

A coil and ballast ignition system (B-45129A1) now is available for MerCruiser 110-120-140 and 150 models. This system is to be used on engines which experience hard starting when the engine is hot. The kit consists of the ignition coil, ballast harness assembly and necessary clamps, nuts and screws for mounting.

B-45129A1

Coil and Ballast Ignition System

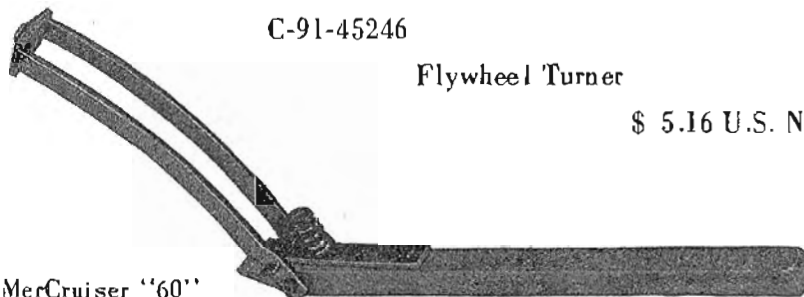
B. MERCruISER SERVICE TOOLS (For Tool Section XI)

1. Slide Hammer (C-91-34570) Modification

To adjust the jaws of the slide hammer -- while working in those hard-to-get-at places -- can be simplified by filing a groove in the knurled jaw adjuster and installing a pin in the slide. (See figure on right.) By engaging the pin into the groove and turning the slide either to the left or right, the jaws will open or close.

2. Flywheel Turner (C-91-45246)

Turns the MerCruiser engine flywheel. The Flywheel Turner (C-91-45246) will appear on the MerCruiser tool list only and not on the MerCruiser Servicing Dealer Tool List. (See figure, below.)



C-91-45246

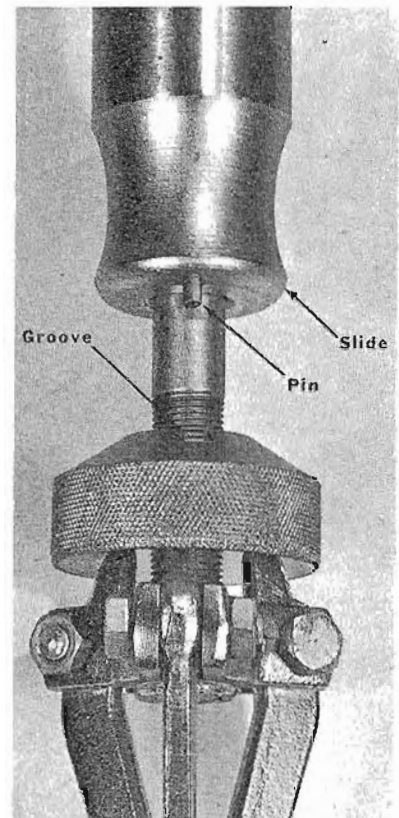
Flywheel Turner

\$ 5.16 U.S. Net

3. MerCruiser "60" Engine Repair Tools

Certain MerCruiser "60" engine repair tools, as listed in Engine Section VIII of the MerCruiser Service Manual, have been changed. Refer to the following chart for new part numbers and pages on which to make changes for these tools:

Change in Sec. VIII	Old Part No.	New Part No.
Page 86	C-91-37009	C-91-39285A1
Page 83	C-91-37011	C-91-39288A1
Page 80	C-91-37022	C-91-39284A1



C. GIMBAL HOUSING BALL BEARING REPLACEMENT - MerCr. IA-IB-IC

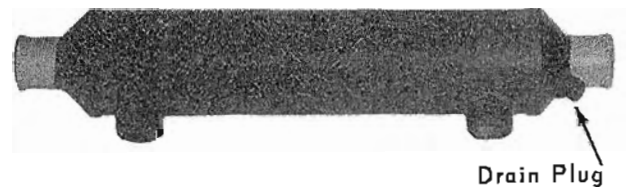
(For P. 22 of Drive Unit Section IX)

A number of MerCruiser IA-IB-IC transom plate assemblies were built with bearing assembly B-36147A1 installed in the gimbal housing. This assembly (B-36147A1), however, is no longer available and has been replaced with gimbal housing ball bearing B-30-36418. When replacing bearing assembly B-36147A1 with B-30-36418, the bearing carrier (B-36147) and retaining ring (B-53-35129) can be discarded.

D. DRAINING OF OIL COOLER

(For P. 16 of General Information Section I & P. 52 of Miscellaneous Section X)

CAUTION: Oil coolers on MerCruiser engines and on Power Steering must be drained before cold weather storage. Remove drain plug (refer to figure, right) and allow all water to drain out. Reinstall drain plug and tighten securely so that system will be operable when engine is returned to service.



E. TORQUING 6-CYLINDER MERCUISER CYLINDER HEAD

(For P. 7 of Sec. I, P. 20 of Sec. II & P. 7 of Sec. VIII)

Continuous testing has shown that it is necessary to torque the cylinder head on all 6-cylinder MerCruiser engines while performing the 20-hour free checkup. Failure to do so could result in poor engine performance, blown cylinder head gaskets, warped cylinder head or all three. The 20-Hour Free Checkup Certificate includes the following statement: "Tighten head bolts". Be certain to perform this service check for your customers.

F. OIL PRESSURE - MERCUISEROVER DIESEL

(For P. 18 of MerCruiseRover Section XIII)

Some of the MerCruiseRover diesel engines have been built with a high oil pressure relief spring in the oil pump. These engines will develop approximately 80 PSI at 2000 RPM's, and slightly higher at wide-open throttle. MerCruiseRover engines normally develop 50 PSI at 2000 RPM. Abnormally low oil pressures should be investigated.

G. SERIAL NUMBER LOCATION CHANGE - MerCr. I & II DRIVE UNITS

(For P. 1 of General Information Section I)

All MerCruiser I and II drive units, which are presently in production, have the serial number stamped on and under the decal on the left (port) side of the drive unit.