

- A. MerCruiser Drive Unit Trail-Out
- B. MerCruiser 280II-TRS Stainless Steel Propellers
- C. New MerCathode Replacement Parts
- D. New MerCruiser Service Manual
- E. New Trim Limit Switch Replacement Procedure
- F. MCM 120-140 Push Rod Bending and Valve Train Damage
- G. II-TR Transmission Failures
- H. Power Steering Pump Mounting Kits - 120-140-165

#### **A. MERCUISER DRIVE UNIT TRAIL-OUT**

*(Attach Bulletin Reference Sticker to P. 7A-4 of C-90-34192 Service Manual and P. 7A-1 of New Service Manual.)*

Power Trim Control Valve Kit B-71802A1 is no longer available (N.L.A.) and has been superseded by Control Valve B-48077A3. All units requiring modification (Service Bulletin 75-1) should use Control Valve Kits B-71802A1 until stocks are depleted. When stocks of B-71802A1 Kits are exhausted, Control Valve B-66074A3 must be replaced with Control Valve B-48077A3 to eliminate the too-easy trail-out condition.

Labor allowance to change control valve assembly is 0.6 hours.

#### **B. MERCUISER 280II-TRS STAINLESS STEEL PROPELLERS**

*(Attach Bulletin Reference Sticker to P. 8-24 of C-90-34192 Service Manual and P. 8-20 of New Service Manual.)*

MerCruiser 280II-TRS stainless steel propellers **MUST NOT** be used on M/C 120-thru-233 drive units, since there is insufficient clearance between the trim tab and these propellers. Drive train and shift mechanism damage also can occur. Warranty will be void if these propellers are used on the M/C 120-thru-233 drive units.

#### **C. NEW MERCATHODE REPLACEMENT PARTS**

*(Attach Bulletin Reference Sticker to P. 7E-1 of Your Service Manual.)*

When installing the new MerCathode reference electrode and anode, new plastic nuts (C-11-67092) **MUST BE** used, or studs may be damaged and could cause water leaks.

#### **D. NEW MERCUISER SERVICE MANUAL**

*(Attach Bulletin Reference Sticker to Accessories Section P. 2G of Your Parts Manual.)*

The new MerCruiser Service Manual has been completely rewritten and covers **ONLY** 1974 and newer models. Service Manual C-90-34192 for 1973 and earlier units still is available, but it no longer requires updating. Order your Service Manuals (chart following) from your local Branch or Distributor.

Part No.	Description
C-90-34192	1973 and Earlier Service Manual (Dealer or Customer)
C-90-67795	1974 Service Manual (Dealer)
C-90-71707	1974 Manual (for Customer)
C-90-60673	Hard Cover (Binder) for Manual

## **E. NEW TRIM LIMIT SWITCH REPLACEMENT PROCEDURE**

*(Attach Bulletin Reference Sticker to P. 6A-53 of C-90-34192 Service Manual and P. 6A-23 of New Service Manual.)*

A new procedure for replacing M/C 120-thru-233 trim limit switches was added to older model Service Manual (B-90-34192) and new Service Manual (B-90-67795 or B-90-71707) Section 6A. Following this procedure, the limit switch can be replaced in only 2.6 hours.

## **F. MCM 120-140 PUSH ROD BENDING and VALVE TRAIN DAMAGE**

*(Attach Bulletin Reference Sticker to P. 5A-2 of C-90-34192 Service Manual and P. 5A-3 of New Service Manual.)*

When servicing any MerCruiser 120/140 engine, inspect the rocker arm studs for wear. If studs are out of line with valve guides and push rod holes, the studs will become notched, and component parts will be damaged. Continued operation will result in stud breaking off. If the stud is out-of-line, it requires replacement of the cylinder head. Inspect all component parts for damaged or out-of-line wear patterns and change damaged or worn parts.

The latest type cylinder heads have tapered spark plug seats and require use of AC-MR43T spark plugs (C-33-59571).

## **G. II-TR TRANSMISSION FAILURES**

*(Attach Bulletin Reference Sticker to P. 6G-3 of C-90-34192 Service Manual and P. 6E-1 of New Service Manual.)*

Several failures have been caused by shift control harness wires which were attached to the wrong terminals on the shift motor terminal. The wires and terminals are color-coded, and colors must never be mixed. If colors are mixed, the transmission will run off the planetary gears in forward, and failure will occur in a very short time. Planetary gears are designed for intermittent operation in reverse only. Continuous full throttle operation of the transmission in reverse will result in reverse clutch band failure and eventual failure of planetary gears. Failures of this nature are not covered by warranty.

## **H. POWER STEERING PUMP MOUNTING KITS - 120-140-165**

*(Attach Bulletin Reference Sticker to Accessory Section "K" Index of Your Parts Manual.)*

Power Steering Pump Mounting Kits B-65515A1 and B-65897A1, respectively, for 1974 and 1975 model MCM 120, 140 and 165 Engines require a new pulley when installed on MCM 120 and 140 models.

A change on the circulating water pump hub requires that pulley B-73483 be used in place of pulley B-65608 on late 1974 and all 1975 model MCM 120 and 140 engines with Serial Nos. 3887752 and up. MCM 165 does not require the new pulley.