



MERCUISER SERVICE BULLETIN

Section: 10 (Bulletins)

Number: 71-8-03

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Cut individual items along broken lines and attach in appropriate sections of your MerCruiser Service Manual.

- A. MerCruiser 215E Replacement Trim Cylinders (Section 7A)
- B. Depth Micrometer as a Service Tool (For Tool Section 9)
- C. Incorrect MC 215 Torque Listing in Service Manual (Sec. 6)
- D. Universal Joint Cross and Bearing Replacement - MC 90 (Sec. 6A)

A. MERCUISER 215E REPLACEMENT TRIM CYLINDERS

(For Accessories Section 7A)

MerCruiser 215E Power Trim cylinders (B-47342A7) now have an internal bushing (spacer) which changes its fully-retracted position by 1" (2.54cm). Cylinders with these bushings (spacers) are stamped "5" on the piston rod near the pivot end, and they have a retracted length of approximately 20-3/8" between mounting hole centers. The trim cylinder length was increased to prevent possible over-steering on some boats when the stern drive is fully trimmed "In".

All future production MerCruiser 215E trim cylinders will have this bushing (spacer) installed. If a coded "5" cylinder replaces an earlier trim cylinder, which is not coded "5", the opposite hydraulic trim cylinder also must have the bushing (spacer) installed. The new trim cylinder (B-47342A7) includes installation instructions and a bushing (spacer) for the other cylinder (if necessary).

CAUTION: If trim cylinders without bushing (spacer) allow excessive trim "In" which may cause over-steering because of boat's transom angle, a Bushing Kit (B-23-57093A1) MUST BE INSTALLED.

If the boat's transom angle WILL NOT allow adequate trim "In" with the B-47342A7 trim cylinder installed, the 1" bushing (spacer) can be removed from the cylinders. Remove the "5" marking on the trim cylinder if the bushing (spacer) is removed.

B-47342A7

MC 215E Trim Cylinder Assembly
(Includes Instructions)

B-23-57093A1

Bushing Kit - 215E Trim Cylinder
(Includes Instructions)

\$2.50 U. S. List

B. DEPTH MICROMETER as a SERVICE TOOL

(For Tool Section 9)

Since depth micrometers will perform varied and useful jobs in shop work, we endorse their use when determining the amount of over-shim, where necessary, during reassembly of Kiekhaefer Mercury products. Using a feeler gauge is recommended, and it is adequate, but over-shimming could be more accurate with a depth micrometer. Depth micrometer sets (with extension lengths up to 4") may be obtained thru your local hardware supplier.

C. INCORRECT MERCUISER 215 TORQUE LISTING in SERVICE MANUAL*(For Drive Systems Section 6)*

Please correct the following torque listings in your MerCruiser Service Manual:

Section 6 Page No.	Paragraph Number	Component	Torque Now Reads	Torque Change to Read
9	10	Propeller and Shaft	25 In. Lbs.	18 to 20 In. Lbs.
13	8	"U" Joint Nut	250 Ft. Lbs.	150 Ft. Lbs.

D. UNIVERSAL JOINT CROSS and BEARING REPLACEMENT - MerCruiser 90*(For Drive Systems Section 6A)*

MerCruiser 90 drive units have 2 different cross and bearing assemblies, and their parts ARE NOT interchangeable with each other.* To determine which cross and bearing assembly to order, inspect the marking in the center of the cross. If it is marked "Detroit", order cross and bearing assembly B-36311. If it is marked "B-W" or "B", order cross and bearing assembly B-60812.

B-36311	Cross and Bearing Assembly "Detroit"
B-60812	Cross and Bearing Assembly "B-W" or "B"

** Universal joint, yokes and center socket for use with "B-W" or "B" cross and bearing assemblies are not available. A complete universal joint assembly (B-38124) must be ordered.*