

MCM 215E STERN DRIVE SHIFT MECHANISM SERVICING

(Attach Bulletin Reference Sticker to PP 2G-3 and 6C-23 of Your Service Manual.)

To reduce the possibility of shift actuator malfunction and damage, service the MCM 215E shift mechanism as follows. Refer to your MerCruiser Service Manual for stern drive disassembly, reassembly, adjustment and installation procedures not outlined here.

1. Shifter Gear and Pinion Shaft - Roughness or binding of pinion shaft, as it is rotated, indicates that rusted or damaged parts must be replaced.

NOTE: The shifter gear components and its cavity MUST BE liberally covered with Multipurpose Lubricant (C-92-49588 or C-92-63250).

2. Sliding Clutch and Shift Fork Shoes - Improper link rod adjustment will cause damage or wear to the sliding clutch and shift fork shoes. Replace or adjust if necessary.
3. Shifter Gear Stop Screw Position - Improper positioning of the shifter gear stop screw could damage the flexible shifter shaft and sliding clutch. The sliding clutch will not be synchronized to operate correctly with the engine clutch engagement and disengagement.
4. Flexible Shifter Shaft and Its Routing - Some early transom assemblies had a shorter shifter shaft assembly than later production units. The longer shifter shaft and routing were added to improve its service life. The long Shift Shaft Assembly (B-57842A2 [39-5/8"]) must be installed with a double grommet Shift Cable Bracket Assembly (B-60403A2). The single grommet bracket will not align the long shift shaft properly with the actuator safety clutch.
5. Stern Drive Installation and Lubrication
 - a. Before following stern drive installation procedures, check the universal joint cross and bearing assemblies. Lubricate with Universal Joint Lubricant (C-92-58229-1) or replace parts if necessary.

IMPORTANT: Check the universal joint splined end for rust pitting. If badly pitted, replace the splined end yoke, engine clutch throwout bearing and retainer.

- b. Coat the universal joint splines only with a thin coat of Special Silicone Lubricant (C-92-66924-1). DO NOT use any other lubricant and follow the lubricant application instructions on tube.

NOTE: This Special Silicone Lubricant also must be applied to the bearing retainer, throwout bearing and clutch plate spline surfaces that contact each other during replacement.

- c. Install stern drive unit with 2 drive shaft housing to bell housing gaskets (B-27-54014) after liberally coating the shifter shaft and its cavity with Multipurpose Lubricant.
6. Shifter Shaft to Shift Actuator Safety Clutch Installation - Before following the flexible shifter shaft installation, check shift actuator and shift control. Electrical checks for the shift control and troubleshooting the shift actuator are outlined in the MerCruiser Service Manual (Section 7C, Pages 20 thru 24).

Part No.	Description
B-57842A2	Shifter Shaft Assembly
B-60403A2	Shift Cable Bracket Assembly
B-92-66924-1	Special Silicone Lubricant