



MERCRUISER SERVICE BULLETIN

Section: XII (Bulletins)

Number: 68-16-11

Date : 6/28/68

Readjusting Cable End Guide Travel - MerCr. II (Section II)

READJUSTING CABLE END GUIDE TRAVEL - MerCruiser II

(For Installation Section II)

A number of MerCruiser II Stem Drive Units (between Serial Nos. 2398798 and 2453673) were assembled with excessive inner shift cable travel ($2\frac{1}{4}$ " rather than the correct 2"). This possibly could permit the engine to throttle before it is fully shifted into forward or reverse.

The shift mechanism should be set so that, when sliding clutch travels from full engagement in forward gear to full engagement in reverse gear, the cable end guide travels exactly 2" (50.8mm). Adjust and check as follows:

1. Push in on cable end guide and, at the same time, rotate propeller shaft so that clutch fully engages gear. Place a piece of masking tape around cable insert at edge of end guide.
2. Pull out on end guide and, at the same time, rotate propeller shaft so that clutch fully engages gear. Cable end guide must travel exactly 2" (50.8mm) when sliding clutch is shifted from full engagement in forward gear to full engagement in reverse gear.

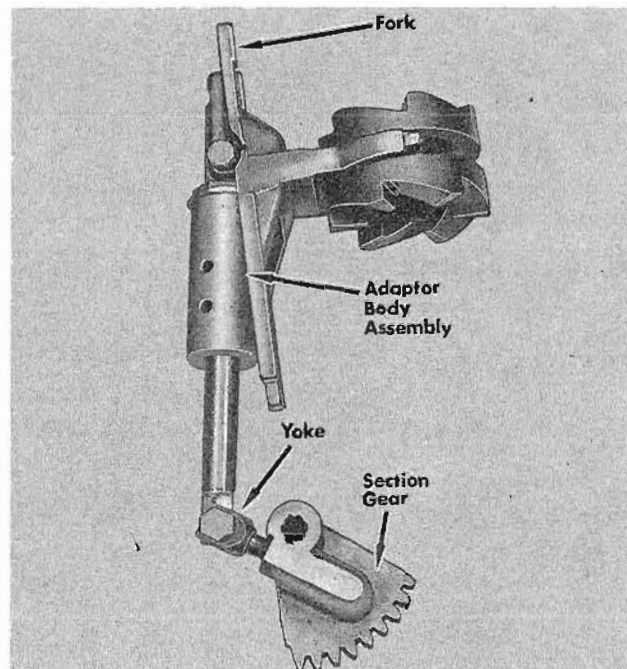


Figure 1. Yoke Attached to Cable and Sector Gear

If inner cable travel is more than 2", readjust cable end guide travel as follows:

1. Drain approximately one quart (.946 liter) of gear lubricant into a clean container for refilling drive.
2. Remove rear cover (6 screws) and remove shifter fork from clutch.
3. Turn yoke "out" to decrease cable travel. Adjust yoke one full turn at a time to prevent adaptor body from striking back of yoke. (Figure 1)
4. Reinstall screw thru shifter fork and adaptor body. Place rear cover on drive shaft housing and secure with 2 screws.
5. Check shift cable travel, preceding.
6. After adjustment has been completed, install new gasket on rear cover and fasten cover to drive shaft housing with 6 screws, then refill drive with quart of gear lubricant removed previously.