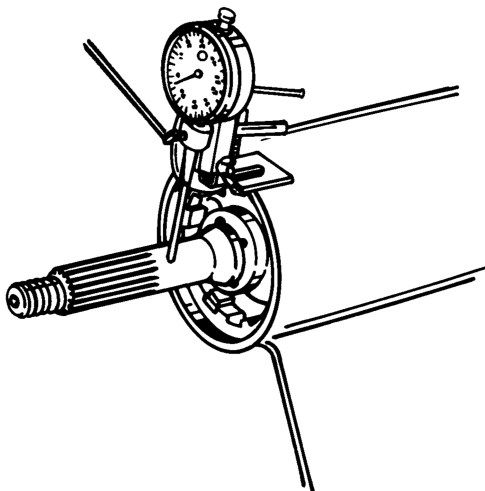


Pre-Disassembly Inspection

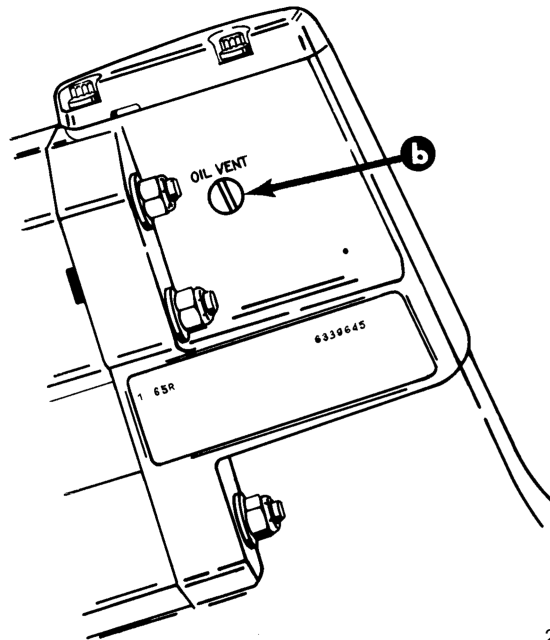
1. Check propeller shaft for side to side movement, as follows:
 - a. Position dial indicator on propeller shaft.
 - b. Push propeller shaft to one side and zero the dial indicator.
 - c. Move propeller shaft to opposite side while observing dial indicator. Without rotating propeller shaft, reposition dial indicator and check up and down deflection. A shaft deflection of more than .003 in. (0.08 mm) indicates one of the following:
 - Worn propeller shaft bearings
 - Improper propeller shaft preload
2. Check for a bent propeller shaft, as follows:
 - a. Rotate propeller shaft while observing dial indicator. If deflection is more than .005 in. (0.127 mm), a bent propeller shaft is indicated.



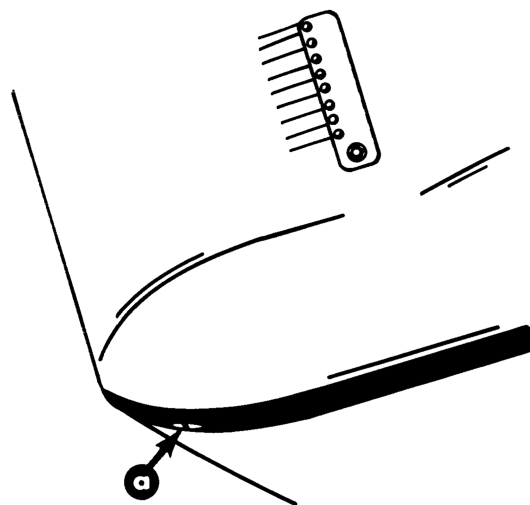
22086

Separate Drive Shaft Housing From Gear Housing

1. Tilt drive unit at a 45 degree angle, remove fill/drain screw; then remove oil vent screw. Allow drive unit to drain completely.



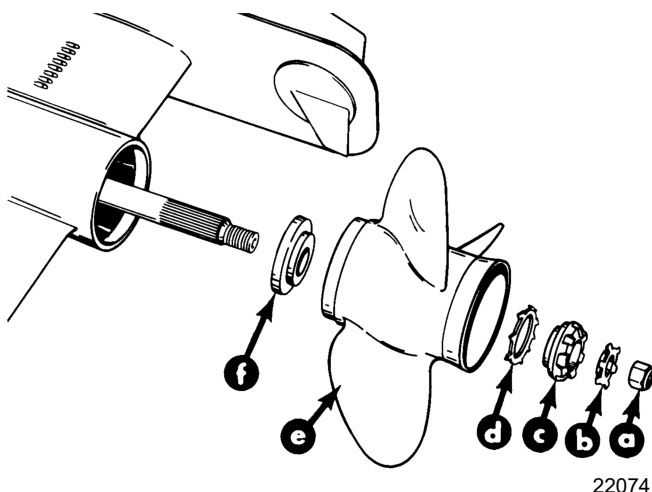
23263



23266

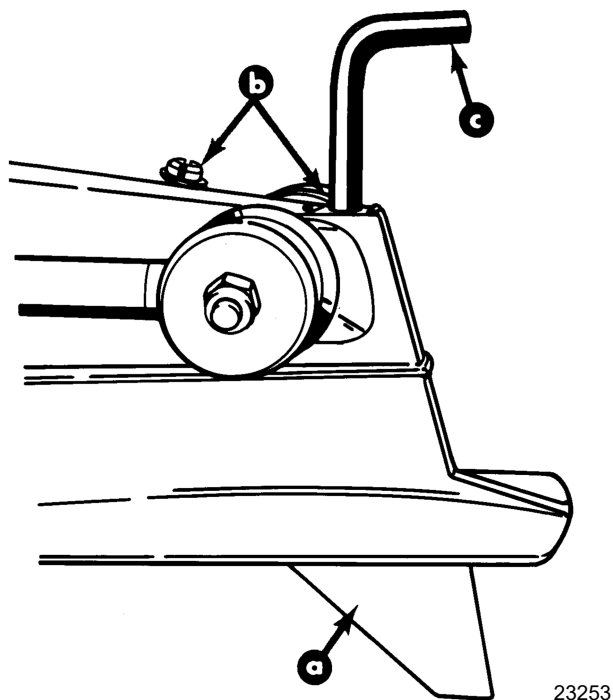
- a - Fill/Drain Screw
b - Sealing Washer

2. Remove propeller.



- a - Propeller Nut
- b - Tab Washer
- c - Spline Washer
- d - Continuity Washer
- e - Propeller
- f - Thrust Hub

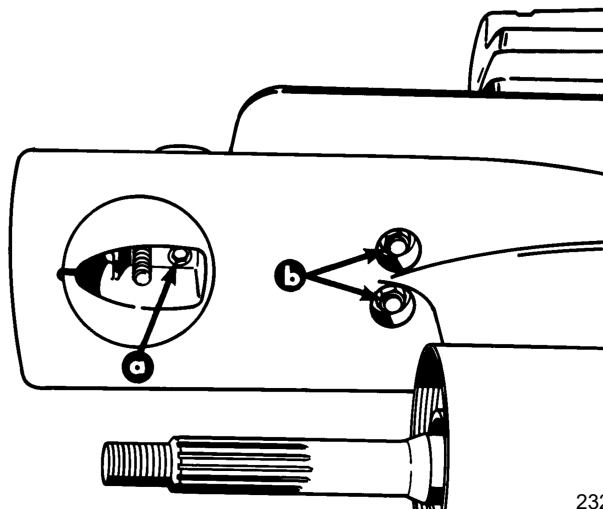
3. Mark trim tab position with a piece of tape; then remove trim tab.



- a - Trim Tab
- b - Plastic Plug (From Access Hole)
- c - 3/8 in. Allen Wrench

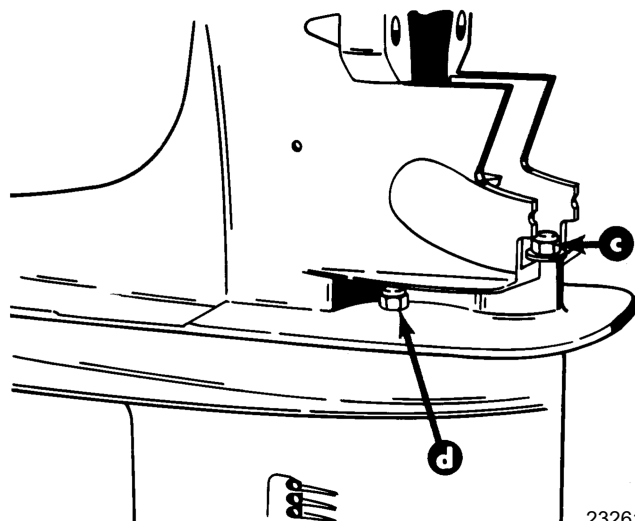
4. Remove gear housing as follows:

- a. Remove allen screw and locknuts from bottom side of gear housing.



- a - Allen Screw (In Trim Tab Cavity)
- b - Locknuts

- b. Remove locknut from front side of drive shaft housing.
- c. Loosen locknuts (one on each side of gear housing). DO NOT attempt to remove one nut before opposite side is loosened sufficiently or drive shaft housing could be damaged.
- d. Pull gear housing away from drive shaft housing as far as nuts will allow. Remove loosened nuts.

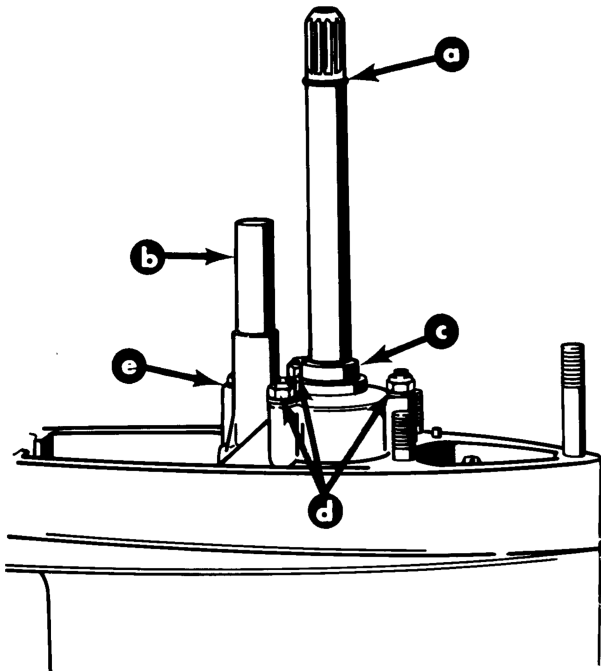


- c - Locknut (Top Front)
- d - Locknuts (One Each Side)

Gear Housing Disassembly

NOTE: If O-ring remains lodged between upper drive shaft seals (in drive shaft housing), be sure to remove O-ring or reassembly will be impaired.

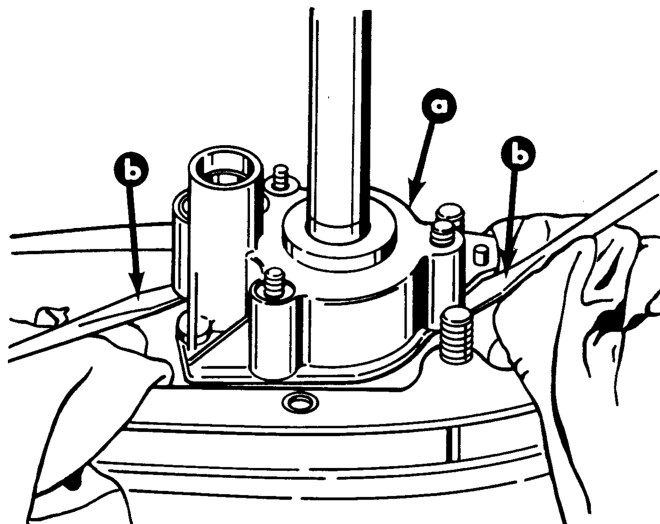
1. Remove components shown.



23266

- a - O-ring
- b - Water Tube
- c - Rubber Centrifugal Slinger
- d - Self-Tapping Screw

2. Carefully lift water pump body from gear housing.

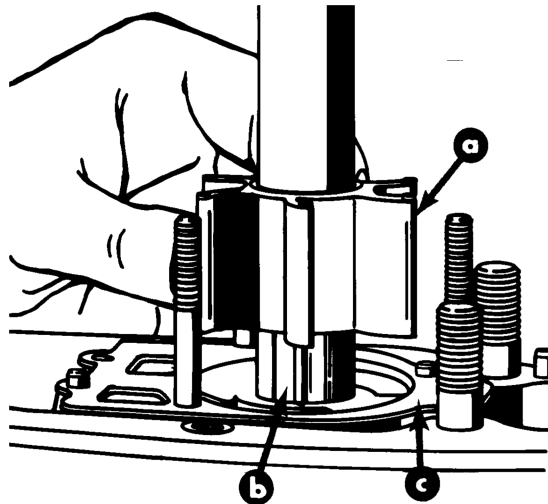


23349

- a - Water Pump Body
- b - Pry Bars

3. Remove water pump impeller.

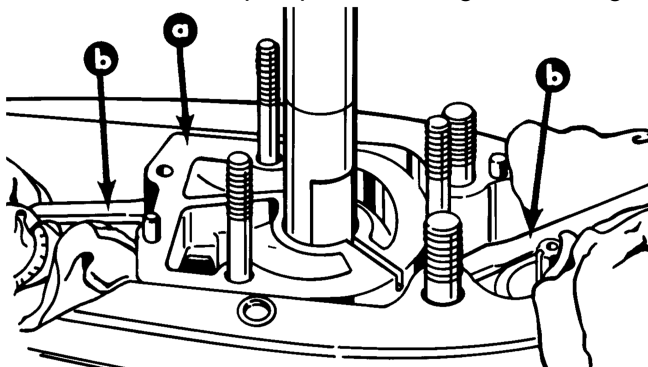
NOTE: It may be necessary to use a punch and hammer to drive impeller upward on drive shaft. In extreme cases, it may be necessary to split hub of impeller with hammer and chisel.



23356

- a - Water Pump Impeller
- b - Drive Key
- c - Water Pump Face Plate And Gaskets
(One On Each Side Of Face Plate)

4. Remove water pump base from gear housing.



23356

- a - Water Pump Base
- b - Pry Bars