

891921A17 SHIFT SHAFT BUSHING ASSEMBLY

For 1997 1/2 and Earlier Alpha One Generation II Drive Units

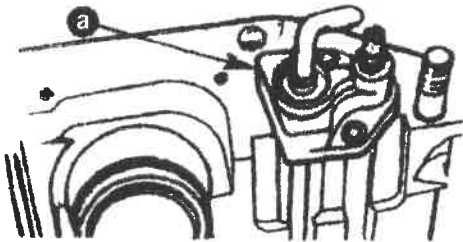
NOTICE TO INSTALLER

After Completing Installation, These Instructions Should Be Placed With The Product For The Owner's Future Use.

Parts List

DESCRIPTION	PART NUMBER	QTY.
Shift Shaft Bushing Assembly	23-815921A17	1
Oil Seal	26-89236	1
O-Ring .799 x .103	225-36318	1
O-Ring .301 x .070	25-62702	1
4" Cable Tie	56762	1

1. Remove the existing shift shaft assembly from the drive unit.

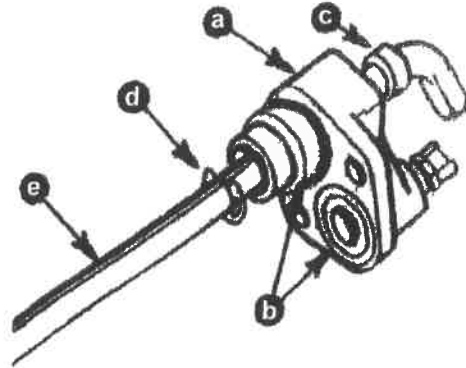


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a. Shift Shaft Assembly

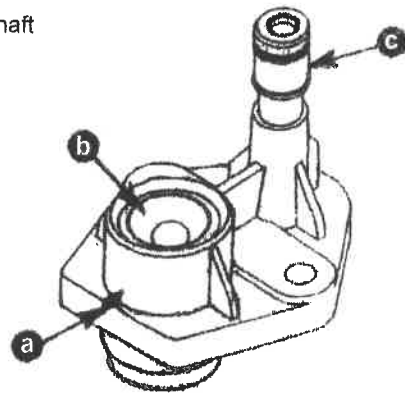
2. Discard the shift shaft bushing assembly.

3. Remove the clip and slide the bushing assembly off of the straight end of the shift shaft. Remove the sleeve from the shaft.



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- a. Shift Shaft Bushing
- b. O-Rings (2)
- c. Sleeve
- d. Clip
- e. Shift Shaft



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- a. Shift Shaft Bushing
- b. Seal
- c. Speedometer Tube Connector

4. Inspect the shift shaft splines and seal surface for corrosion and/or excessive wear. Replace the shift shaft if either of these conditions are found.



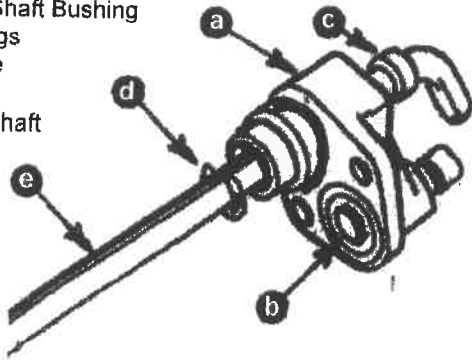
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- a. Seal Surface
- b. Spline

5. Apply Quicksilver 2-4-C Marine Lubricant with Teflon (92-825407A12) to O-ring groove. Place O-ring in groove; lubricant will hold O-ring in place during installation.

6. Assemble all components as shown below.

- a. Shift Shaft Bushing
- b. O-Rings
- c. Sleeve
- d. Clip
- e. Shift Shaft



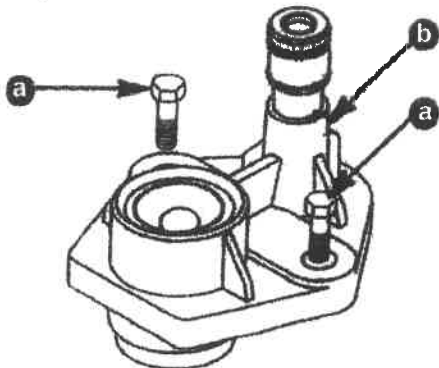
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IMPORTANT: The shift shaft must point forward when the shaft is rotated clockwise. If it does not, lift it up slightly and realign the lower shift shaft splines into the shift crank. Recheck to make sure that it is now aligned correctly.

7. Install the shift shaft assembly into the gear housing. Position the bent end of the shift shaft forward while installing it and ensure that the splined end of the shift shaft is engaged with the shift crank. Make sure that the O-rings are present and positioned properly.

8. Operate the shift shaft to ensure that it has been properly installed. The sliding clutch should move forward when the shift shaft is turned clockwise. It should move aft when the shift shaft is turned counterclockwise.

9. Install the screws that secure the shift shaft bushing and torque them to 80 lb. in. (6.8 N-m). **Re-check the shift shaft alignment as noted in the preceding IMPORTANT.**

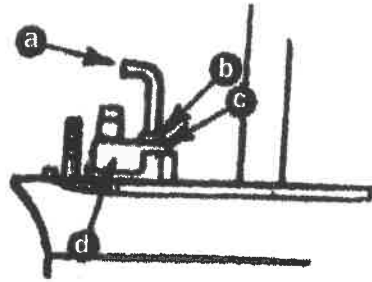


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- a. Screws (2)
- b. Shift Shaft Bushing

10.

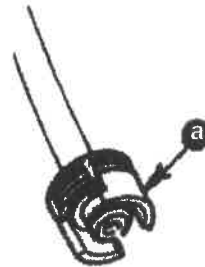
down so that it touches the oil seal in the bushing.



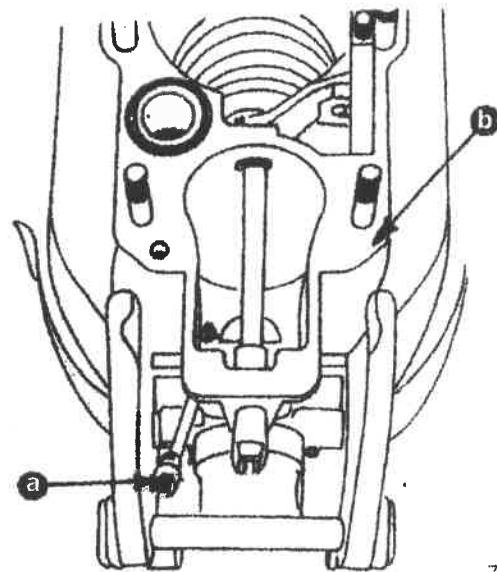
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- a. Shift Shaft
- b. Rubber Sleeve
- c. Oil Seal
- d. Shift Shaft Bushing

11. Remove the existing speedometer connector from the bell housing speedometer hose.



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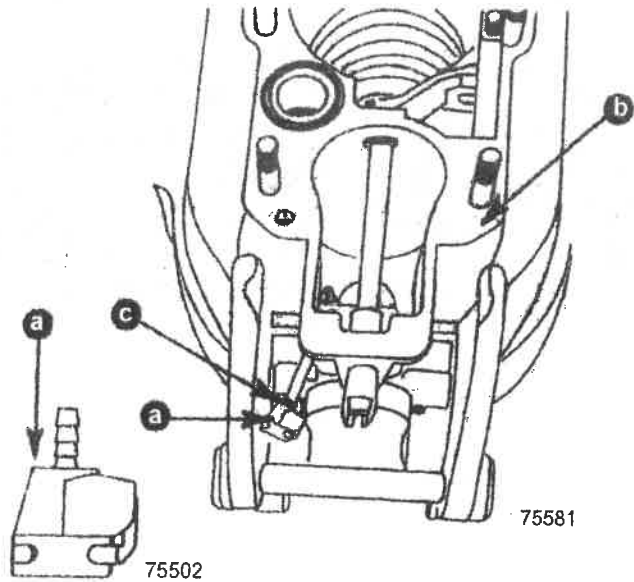
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1997 1/2 and Earlier Models Speedometer Connector

- a. Tube Fitting, Male End
- b. Bell Housing

12. Replace with female speedometer connector in the speedometer hose at the bell housing.

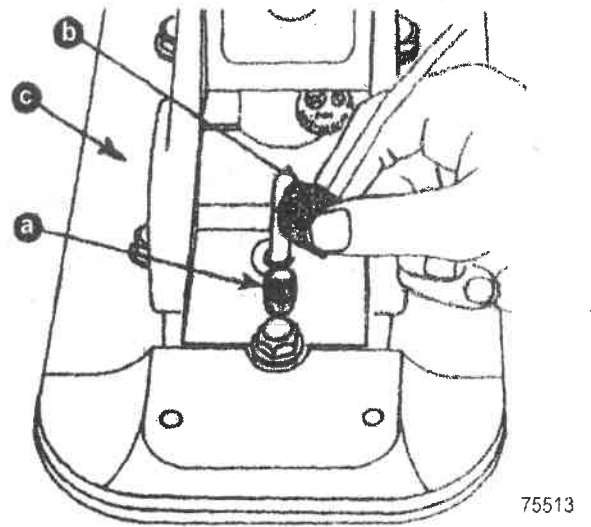
13. Replace Sta-strap on the hose at the connector.



1998 Model Speedometer Connector

- a. Topside Portion, Female End
- b. Bell Housing
- c. Sta-Strap

14. After reinstalling the drive unit, fasten the female fitting of the speedometer connector to the male fitting on the drive unit.



1998 Model Speedometer Connector

- a. Tube Fitting, Male End
- b. Topside Portion, Female End
- c. Gear Housing