



EVINRUDE[®]
Johnson[®]






INSTALLATION INSTRUCTIONS

5 Inch Extension Kit **P/N 392002**

SAFETY

These installation instructions contain information that can help prevent personal injury and damage to equipment. Understand the following symbols before proceeding:

 Safety Warning	Alerts you to the possibility of danger and identifies information that will help prevent injuries.
 Note	Identifies information that will help prevent damage to machinery.
 Important	Appears next to information that controls correct assembly and operation of the product.

TO THE OWNER

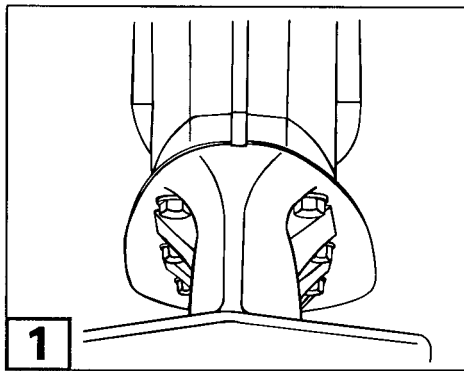
The assembly procedures outlined in this sheet should be performed by a skilled technician. If you have questions, see your DEALER. Save these instructions in your owner's kit. This sheet contains information important to the future use and maintenance of your engine.

TO THE INSTALLER

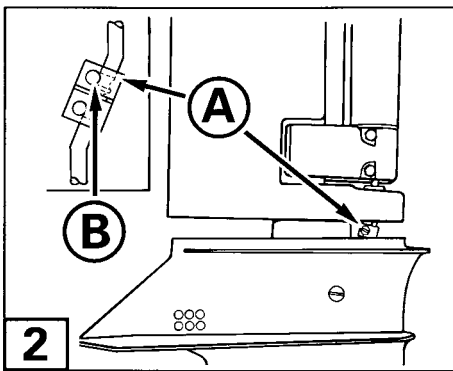
Give this sheet to the owner. Advise the owner of any special operation or maintenance information contained in the instructions.

PREFACE

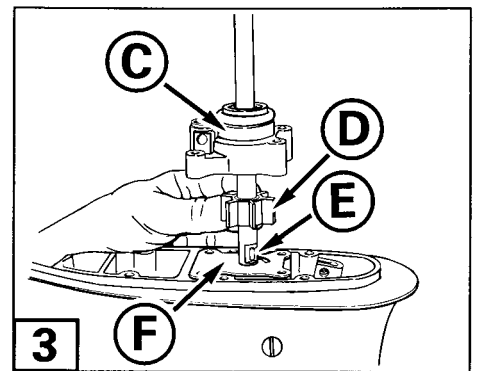
This kit is used on 1974 and newer 9.9 and 15 outboards. It adds 5 in. to a 15 in. outboard to permit its use on 20 in. transoms.



DR6987



DR6988



DR6989

Note For 1974-1975 models, order pinion gear, P/N 322341, to replace original part.

⚠ Disconnect spark plug leads to prevent accidental starting of engine.

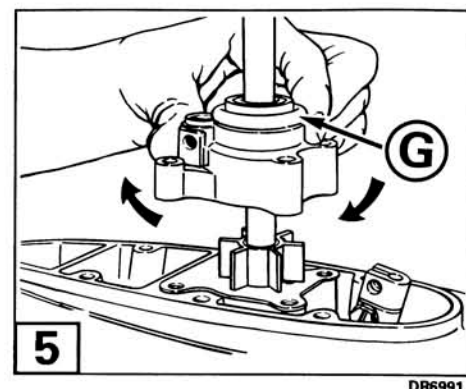
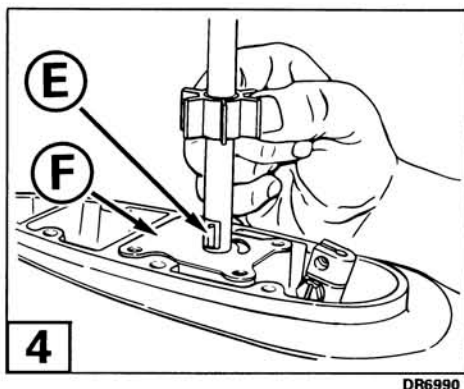
1 Remove six gearcase to exhaust housing screws.

2 Separate gearcase from exhaust housing enough to expose shift rod connector **A**. Remove upper connector screw **B**. Remove gearcase.

On 1974-1983 models, remove O-ring from upper end of driveshaft.

3 Remove four impeller housing to gearcase screws. Remove impeller housing **C**, impeller **D**, pin **E**, and impeller plate **F** from gearcase.





On 1974-1975 models, disassemble gearcase following **Service Manual** procedures. Replace pinion gear with new gear, P/N 322341. Reassemble gearcase.

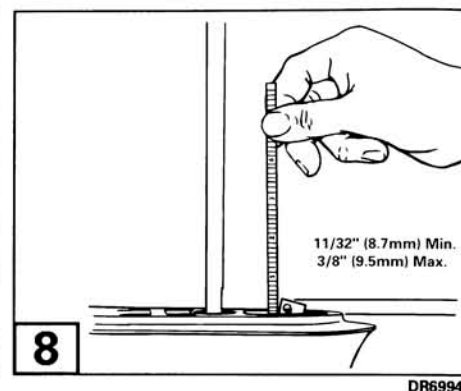
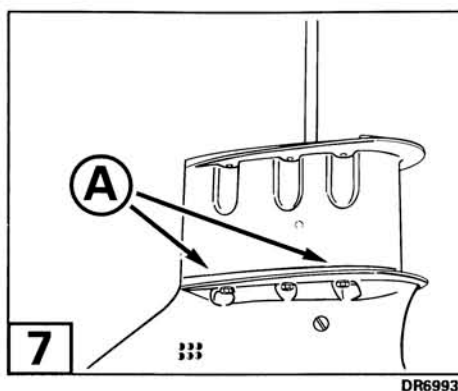
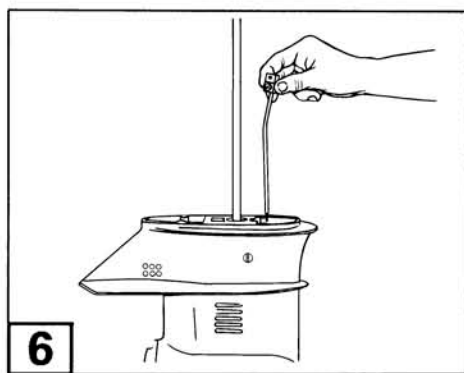
Pull driveshaft out of gearcase and replace with new driveshaft in kit.

4 Clean impeller plate (F) with solvent and apply a fine bead of *Adhesive M™* to lower side of plate and install.

4 Apply *Needle Bearing Grease* to impeller pin (E) and position pin on flat spot of driveshaft. Slide impeller down driveshaft over pin.

5 Remove O-ring seal (G) from impeller housing and clean housing with solvent. Apply *Gasket Sealing Compound* to O-ring area of impeller housing and install new O-ring seal.

5 Apply a fine bead of *Adhesive M* to lower edge of impeller housing. Install impeller housing over driveshaft. Twist driveshaft in clockwise direction while sliding impeller housing over impeller.



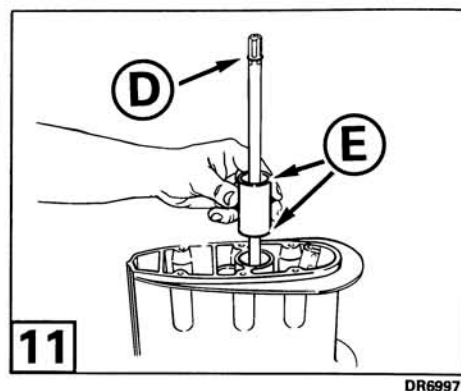
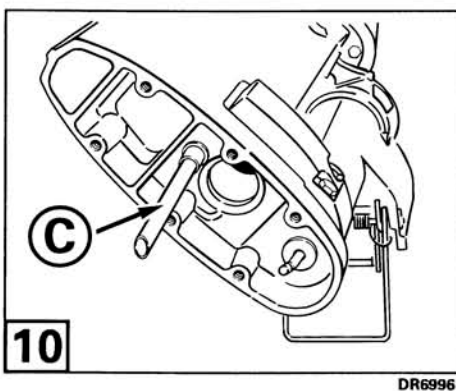
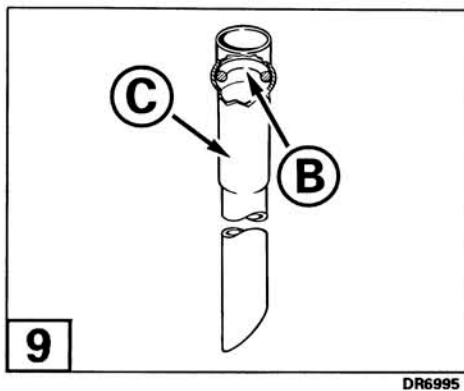
6 Remove lower shift rod and connector from gearcase and replace with new shift rod, connector, screws and lock washers. New shift rod should be threaded completely into shifter lever yoke and then backed out just enough so connector's flat surface faces driveshaft.

Tighten lower connector screw.

Apply *Gasket Sealing Compound* to threads of housing screws and install in impeller housing.

7 Apply a bead of *Adhesive M* to mounting flange of gearcase **A**. Position gearcase extension on gearcase. Coat threads of six gearcase to extension screws with *Gasket Sealing Compound* and attach gearcase to extension. Tighten to 96-120 in. lbs. (11-14 N·m).

8 With gearcase in NEUTRAL, measure from top edge of connector to flat surface on gearcase extension. Height should be between $\frac{11}{32}$ in. and $\frac{3}{8}$ in. (8,7 mm and 9,5 mm). Adjust length by unscrewing shift rod, if needed.



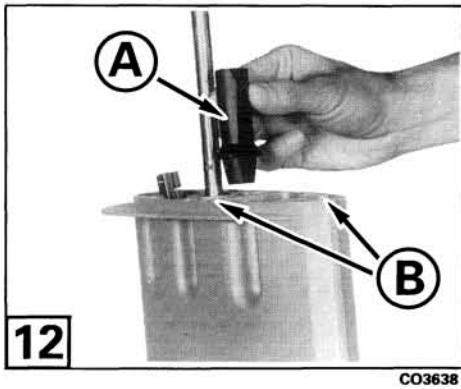
9 Install small O-ring **B** into upper end of water tube extension **C** and apply a small amount of oil to O-ring.

10 Push water tube extension **C** onto water tube in exhaust housing. Make sure extension tube is pushed all the way onto water tube and that O-ring stayed in groove.

11 On 1974-1983 models, install O-ring **D** in groove at top of driveshaft. O-ring is not used on 1984 and newer models.

11 Apply *Gasket Sealing Compound* to both ends **E** of driveshaft tube extension on gearcase extension.

Pull up on gearcase shift rod and engage REVERSE gear. Apply oil to impeller housing grommet.



12 On 1981 and newer 15 models, install water tube exhaust seal (A) into water tube guide recess in gearcase extension.

Apply *Moly Lube* to driveshaft splines. Do not apply lube to end of driveshaft.

12 Apply *Adhesive M* to mounting flange (B) of gearcase extension.

Position gearcase on exhaust housing. Make sure driveshaft splines engage crankshaft (turn propeller slightly), water tube extension enters impeller housing grommet, and upper shift rod enters connector.

13 Install and tighten upper shift rod connector screw (C).

Coat threads of six original gearcase screws with *Gasket Sealing Compound*. Insert screws in extension and tighten to 96-120 in. lbs. (11-14 N·m).

Check oil level in gearcase and fill as necessary. See Service Manual for procedures.

Reconnect spark plug leads.

