

8 12. Place the thrust bearing **F** on the back of the reverse gear. Set the thrust washer **G** on top of the thrust bearing.

9 13. Insert the gear, bearing and washer assembly into the bearing housing. Be careful not to dislodge any of the loose needle bearings.

10 14. Before installing the clutch dog, you must correctly identify which is the propeller shaft end. Look for the words "PROP END" **H** or the OMC part number; both are stamped on the forward lugs which must face the rear of the propeller shaft. Orient the clutch dog properly, align the clutch dog retaining pin hole with the slot in the propeller shaft, and slide the clutch dog onto the splines.

**Note** The clutch dog is not symmetrical. If it's installed backward it will not fully engage forward gear and will cause immediate damage to the gear and the clutch dog.

11 15. Slide the clutch shaft onto the shift shaft. Align the hole in the shaft with the hole in the clutch dog, then install the pin.

12 16. Slide a new retaining spring **I** up over the clutch shaft and wrap it around the clutch dog pin. Position three coils over each end of the pin, making sure none of the coils overlap or are loose.

