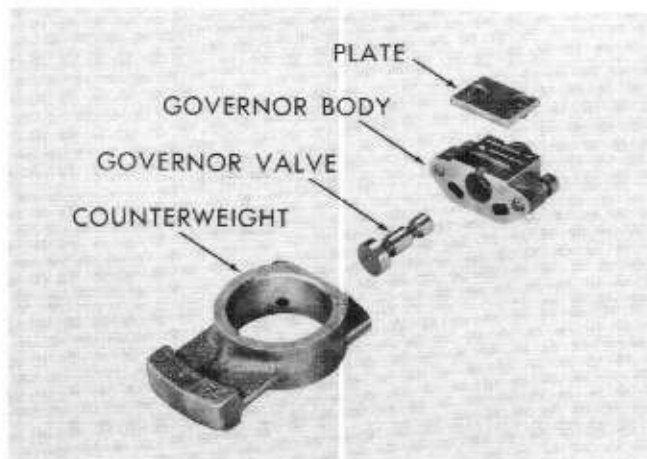


SECTION EIGHT—DISASSEMBLY, INSPECTION, ASSEMBLY AND INSTALLATION OF GOVERNOR AND INSTALLATION OF DISTRIBUTOR, REAR EXTENSION HOUSING, AND REAR PUMP DISCHARGE TUBE

A. Disassembly of Governor



1. Remove the governor screws, and separate the governor from the counterweight.
2. Remove the governor valve from the body.
3. Remove the side plate.

B. Inspection of Governor

Thoroughly clean all parts in solvent and blow them dry.

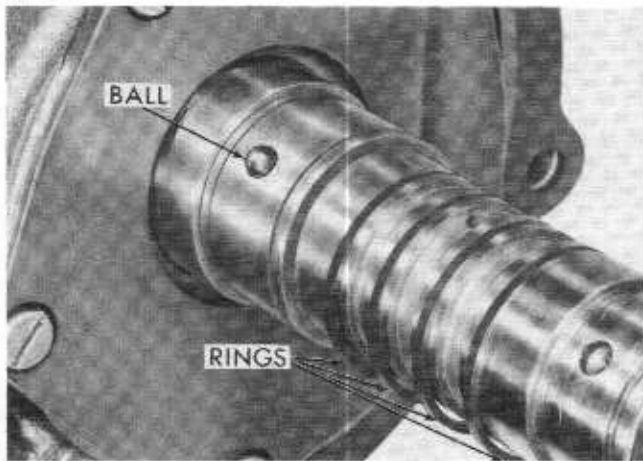
1. Inspect the valve and valve bore for scores.
2. Check for free movement of the valve in its bore.
3. Inspect the governor body and counterweight mating surfaces for burrs.

C. Assembly of Governor

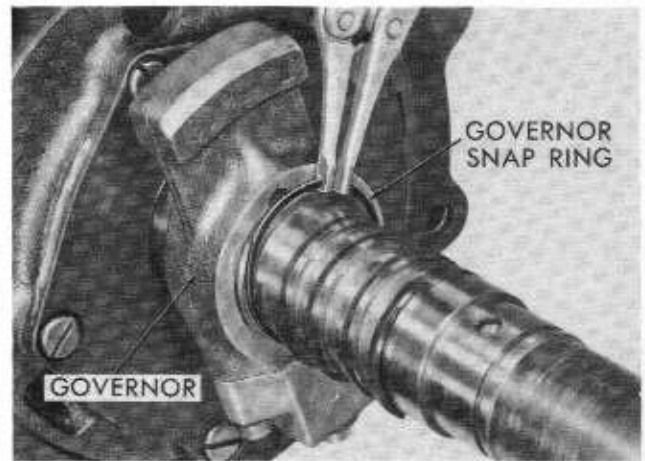
1. Install the valve in the governor body bore.
2. Install the plate...securing it with its screws.
3. Install the body on the counterweight...securing it with its screws.

NOTE Make certain the fluid passages in the governor body align with those in the counterweight.

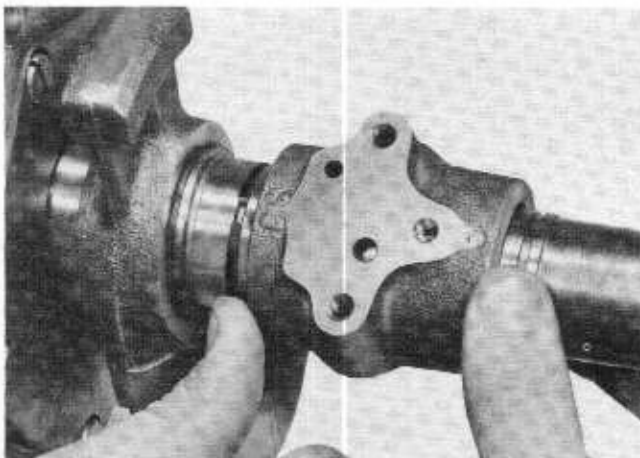
D. Installation of Governor, Fluid Distributor, Rear Housing, and Rear Pump Discharge Tube



1. Install the governor drive ball in its pocket on the output shaft. Hold it in place with fluid.



2. Install the governor -- indexing its groove with the ball, and install the governor snap ring.

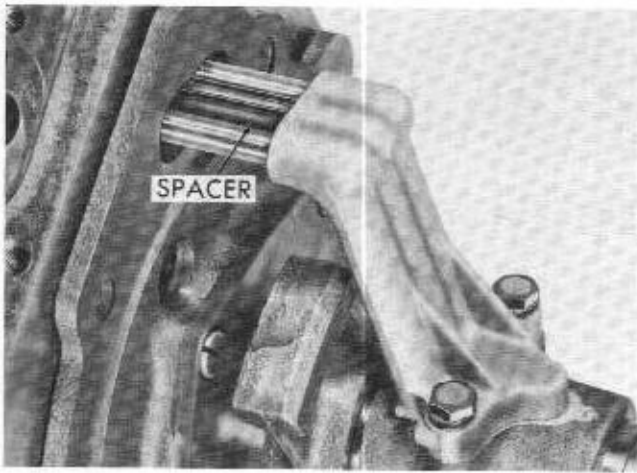


3. Install the distributor sleeve on the output shaft. Lubricate the parts to make installation easier.

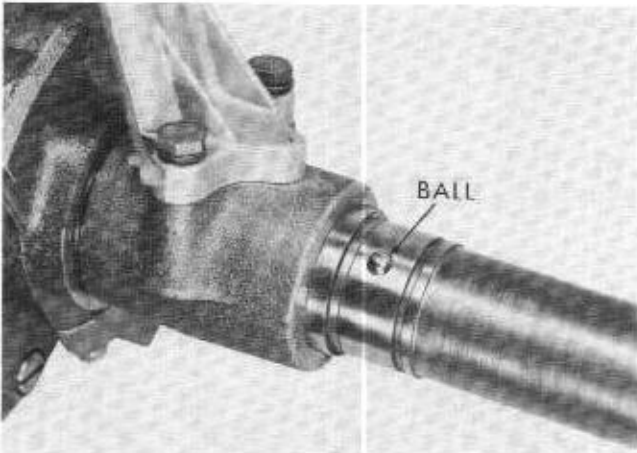
NOTE Have the ring gaps up to prevent damage.

Chapter IV

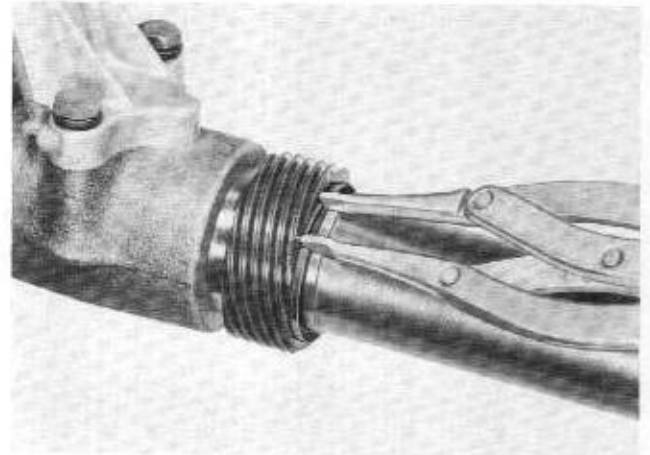
Section EIGHT



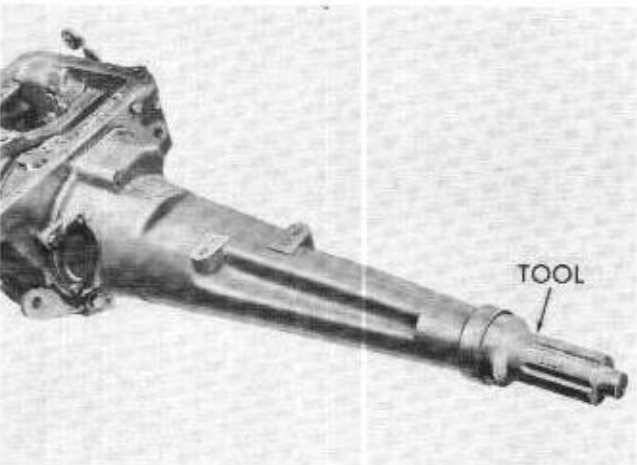
4. Install the distributor and tubes... making sure the spacer is on the middle tube. Install the two distributor bolts and lockwashers, and tighten them finger tight. Make sure the tubes extend into the case as far as the spacer on the center tube will allow. Then torque the bolts 8 to 10 foot-pounds.



5. Install the speedometer drive gear ball in the output shaft. Hold it in place with fluid.



6. Install the speedometer drive gear, and the speedometer drive gear snap ring.



7. Using a rear extension housing seal installer, install the rear extension housing. Install the rear extension housing bolts and lockwashers...and torque 28 to 33 foot-pounds.



8. Install a new seal ring on the rear pump discharge pipe, and using a special tool, install the rear pump discharge tube in the case.

NOTE Install the lockwashers with their rolled edges toward the case to insure a tight seal.