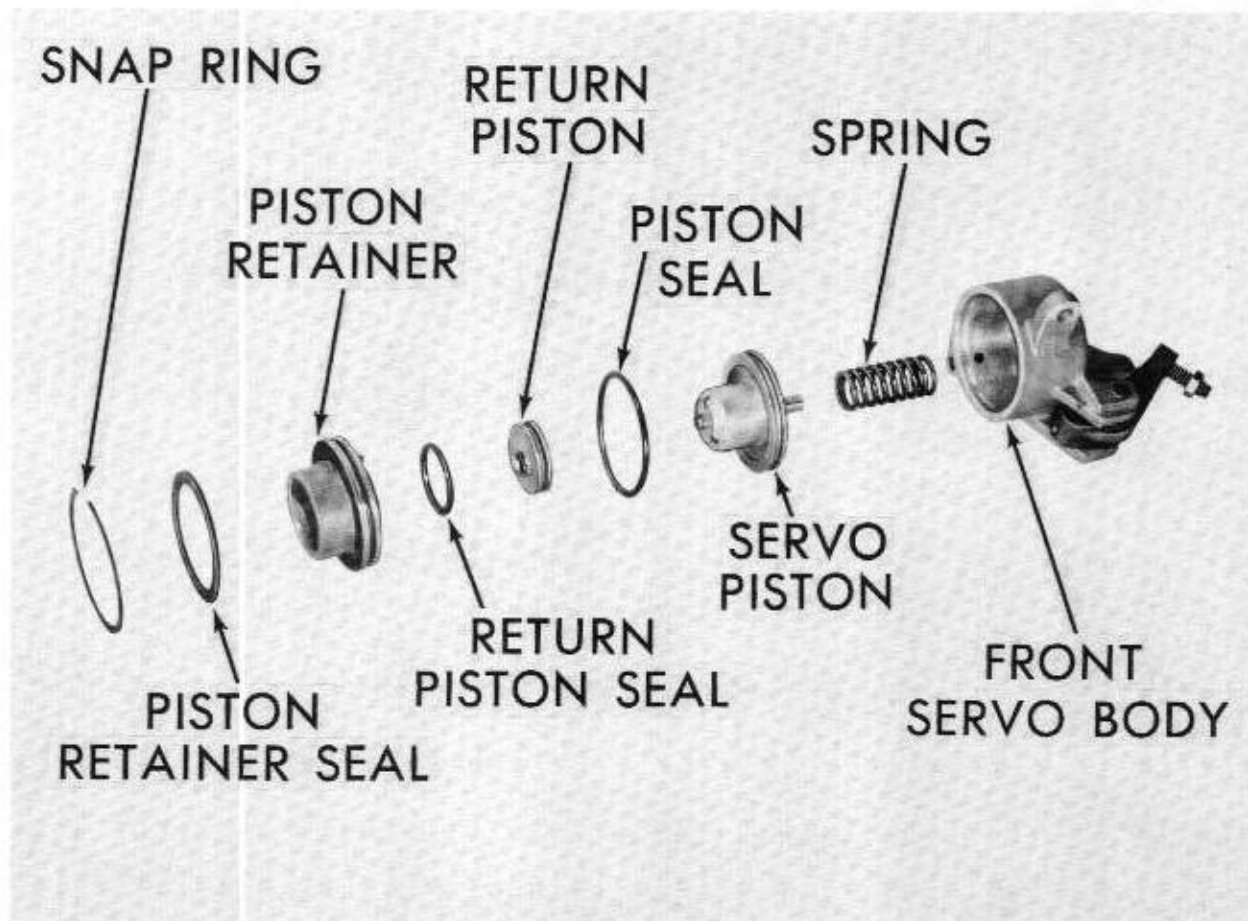


A. Disassembly of Front Servo



1. Press down on the piston retainer, and remove the snap ring.
2. Remove the retainer, servo piston, and return piston (as a unit) from the servo body, and remove the spring.
3. Remove the retainer from the piston.
4. Remove the screw that holds the return piston to the servo piston.
5. Remove the seals from the retainer, return piston, and servo piston.

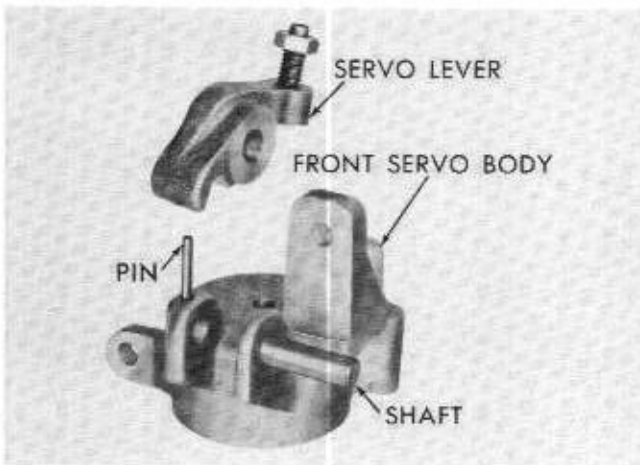
**NOTE**

Some front servo models do not have the return piston.

**B. Inspection of Front Servo**

Wash all front servo parts in a clean solvent and blow them dry.

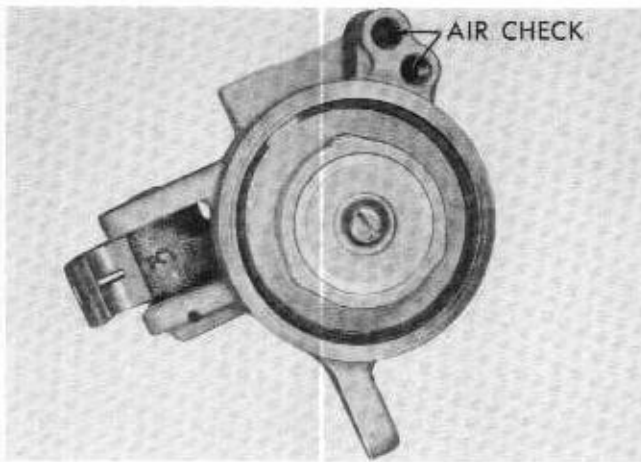
1. Inspect the servo body for cracks.
2. Inspect the piston and piston bore for scores.
3. Check all fluid passages for obstructions.
4. Check the servo spring for distortion.



5. Check the servo lever for movement and wear, and inspect the threads in the lever and on the adjusting screw. If it is necessary to replace the lever or shaft, remove the retainer pin, and push the shaft out of the brackets and lever. To assemble, position the lever, install the shaft, and drive the pin through the shaft.

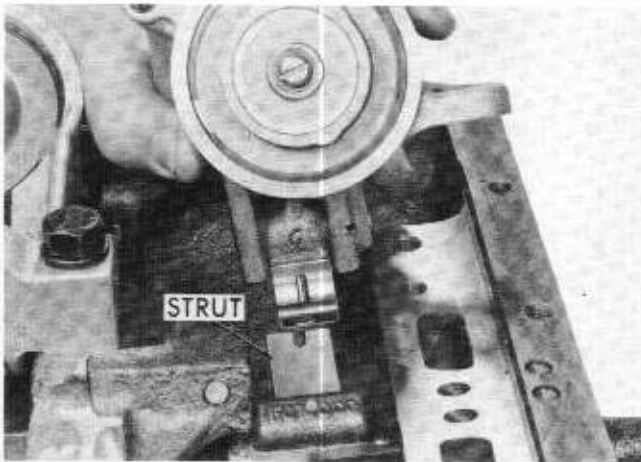
**C. Assembly of Front Servo**

1. Install new seals on the servo piston, retainer, and return piston.
2. Install the return piston on the servo piston, and secure it with its screw.
3. Lubricate the seals, and install the servo piston in the retainer.
4. Install the spring, servo piston, and retainer in the front servo body.
5. Press down on the retainer, and install the snap ring.

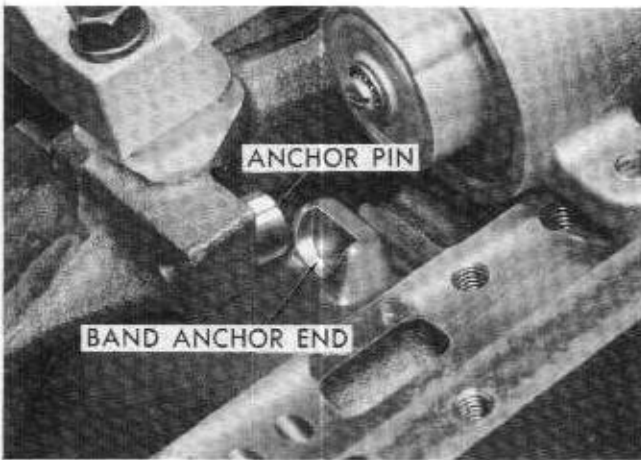


6. Air check the front servo. If the piston stem does not move in and out, disassemble and repair the unit.

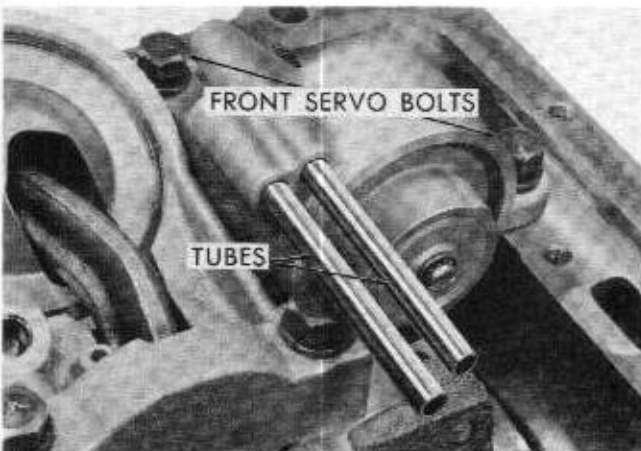
**D. Installation of Front Servo**



1. Push the front band forward in the case with the band ends up, and engage the thin, slotted end of the servo strut with the pin in the front band. Engage the thick, slotted end of the strut with the pin in the servo actuating lever.



2. Rotate the band, while holding the strut in position between the servo and band, and engage the band anchor end with the anchor pin in the case.



3. Secure the servo with its bolts (or bolt), and install the servo tubes.

**NOTE** Turn the bolts in only two or three threads at this time to permit installation of the control valve body.