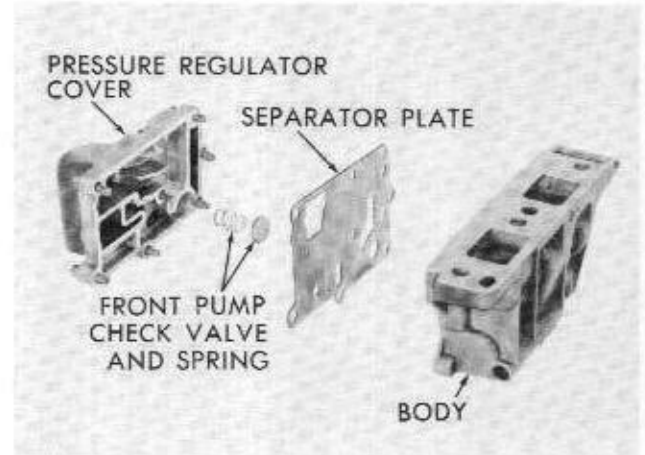
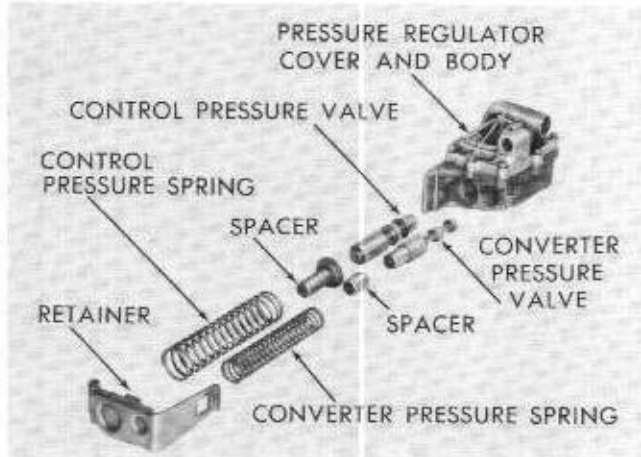


**SECTION TWELVE—DISASSEMBLY, INSPECTION, ASSEMBLY, AND  
INSTALLATION OF PRESSURE REGULATOR**

**A. Disassembly of Pressure Regulator**



1. Remove the pressure regulator valve, and the converter regulator valve, and remove the spacers from the springs.

2. Remove the pressure regulator cover, the front pump check valve and spring, and the separator plate.

**B. Inspection of Pressure Regulator**

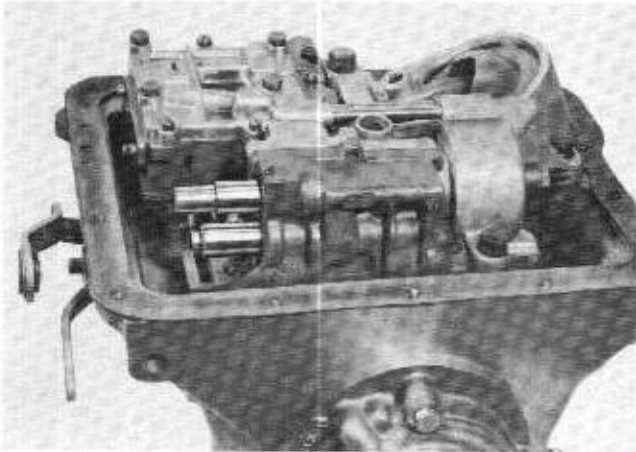
Wash all parts in clean solvent and blow them dry.

1. Inspect all valves for scores.
2. Inspect all springs for distortion.
3. Inspect body and cover mating surfaces for burrs.
4. Check all passages and holes for obstructions.
5. Inspect valve bores for scores.
6. Inspect for free movement of valves in their bores.

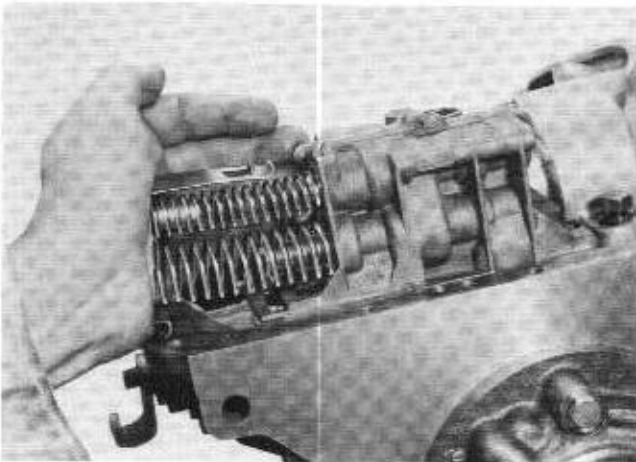
**C. Assembly of Pressure Regulator**

1. Install the front pump check valve spring and valve in the cover.
2. Place the separator plate on the cover, and check for free movement of the check valve.
3. Place the regulator body on the plate and cover, and install the cover screws.

D. Installation of Pressure Regulator



1. Install the pressure regulator and torque its bolts 17 to 22 foot-pounds.
2. Install the control pressure regulator valve and the converter pressure regulator valve in the pressure regulator body.



3. Install the valve springs and spacers over the valves, and install the spring retainer, compressing it over the springs and snapping it in place.

**CAUTION** Make sure the retainer catches on both tangs at the same time to avoid distorting the springs.

**NOTE** When working on 1951-54 models, secure the retainer with a nut and lockwasher.