

Fig. 5-22 Installing End Plate Retaining Ring

17. On coil spring cars, install woodruff key on drive shaft. Support the shaft on the opposite side of key when installing key.

#### e. Installation (Coil Spring Cars)

1. Install rear mounting bracket on pump reservoir. Do not tighten mounting nut.
2. Position pump assembly on front mounting bracket and install bolts loosely.
3. Install rear mounting bracket on exhaust manifold.
4. Slide pulley on shaft. Do not hammer pulley on.
5. Install pulley nut finger tight against pulley.

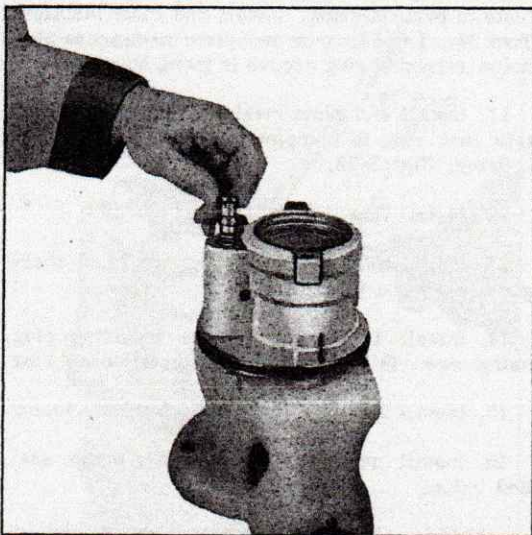


Fig. 5-23 Installing Flow Control Valve

6. Connect and tighten hose fittings.

7. Fill reservoir. Bleed pump by turning pulley backwards (counterclockwise as viewed from front) until air bubbles cease to appear.

8. Install pump belt over pulley.

9. Move pump outward until belt is tight. Adjust belt tension as described in Note 4, and tighten pulley nut to 35-45 ft. lbs. torque.

10. Fill pump reservoir to correct level with automatic transmission fluid.

11. Bleed steering gear. Refer Note 3.

#### f. Installation (Air Spring Cars)

1. Using a new "O" ring seal, install pump on rear face of air compressor, positioning pump to engage splined rotor on rear end of compressor shaft.

2. Reverse Steps 1 through 14 of the removal procedure.

3. Adjust belt tension as described in Note 4. Tighten pulley nut to 35-45 ft. lbs. torque.

4. Fill pump reservoir to proper level with automatic transmission fluid.

5. Bleed steering gear. Refer to Note 3.

### (10) Removal and Installation of Steering Pump Shaft Seal on Car (Coil Spring Cars Only)

#### a. Removal

1. Remove steering pump pulley nut and lock-washer.
2. Remove drive belt.
3. Remove pulley from shaft using a universal pulley remover tool.
4. Remove woodruff key from pump drive shaft.
5. Remove shaft seal by prying out with sharp tool.

**CAUTION:** Insert sharp tool between seal and pump housing. Do not pry against pump shaft.

#### b. Installation

1. Install Seal Protector, Tool No. J-7586, on pump drive shaft.

2. Position new shaft seal on drive shaft with metal backing up.