

MAZDA N4AEL SOFT OR FLARED SHIFTS WHEN WARM

COMPLAINT: Shifts seem fine when cold, but become increasingly drawn out as the transmission warms up

CAUSE: Valve body calibration problems related to fluid temperature.

CORRECTION: 1. Check all accumulator piston teflon rings for fit.

2. Replace the 1-2 accumulator piston teflon rings with suitable "O" rings. Replace the 1-2 accumulator spring with a stronger spring (A 700-R4 throttle plunger spring is sufficient if it is shimmed 1/4 in. on the piston side). SEE FIGURE 1.

3. Move orifice B (servo release orifice) to the orifice D (direct clutch orifice) location and move the orifice D to the orifice B location. SEE FIGURE 2.

4. Replace the intermediate band servo spring with a weaker one. The L4N71B servo spring is weaker or a blue accumulator spring from an AXOD.

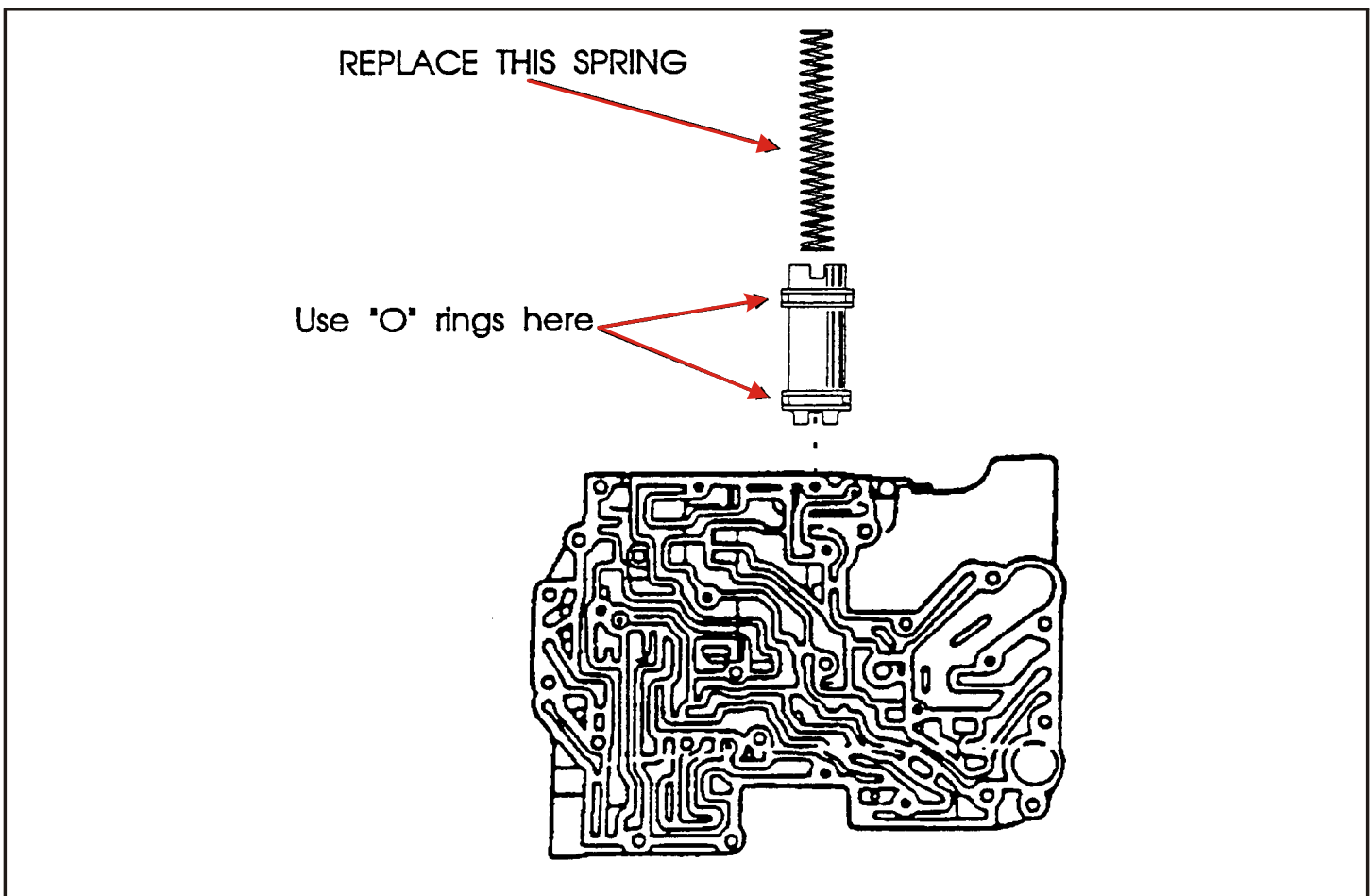


Figure 1

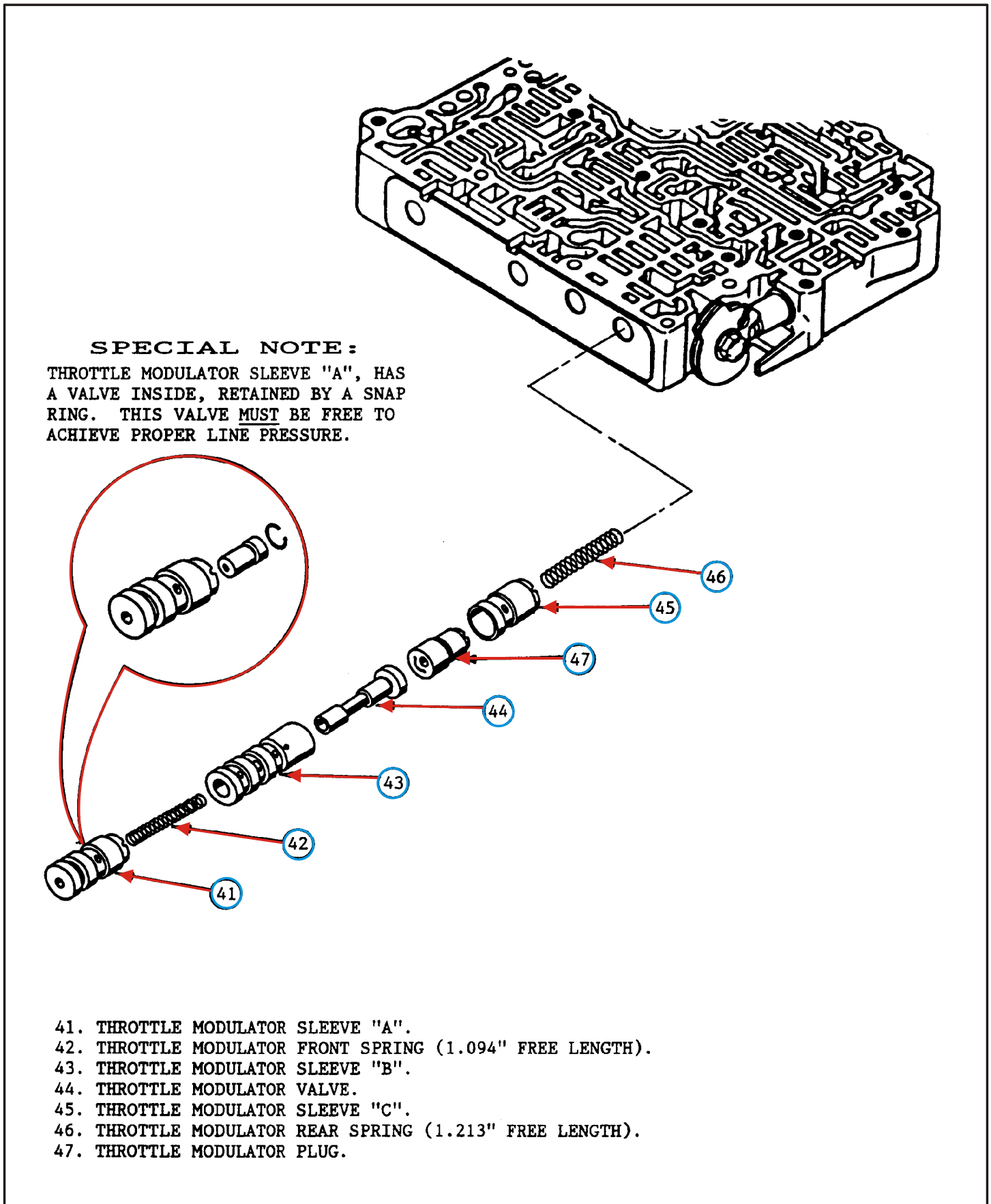


Figure 2