



Technical Service Information

NISSAN RL4F02A EARLY/HARSH UPSHIFTS

COMPLAINT: Some 1985-1986 Maxima vehicles with RL4F02A transaxles may exhibit early/harsh upshifts under light throttle openings and/or a clunk on a closed throttle 2-3 upshift.

CAUSE: The cause may be valve body and governor calibration.

CORRECTION: To improve this condition, a new governor assembly, and different valve body shift springs are available from OEM. Refer to parts information in Figure 4 for OEM part numbers. Use the following procedure for installation;

1. Remove battery and bracket.
2. Remove air cleaner, air flow meter, air camper and solenoid valves as an assembly.
3. Remove Governor cap and gasket.
4. Install the new governor assembly (31860-24X04) on the governor shaft, and torque bolts (4) to 3.6-5.1 ft. lb. (See Figure 1).
5. Re-install governor cap and gasket.
6. Disconnect the control cable and throttle cable, remove the throttle lever (Figure 2) and remove the transaxle cover.
7. Disconnect the harness connector from the valve body, and remove ONLY the valve body bolts indicated in Figure 3.
8. Remove and replace the 6 springs that are numbered, as shown in Figure 3.
9. Re-install valve body and torque bolts to 5.1-6.5 ft. lb.

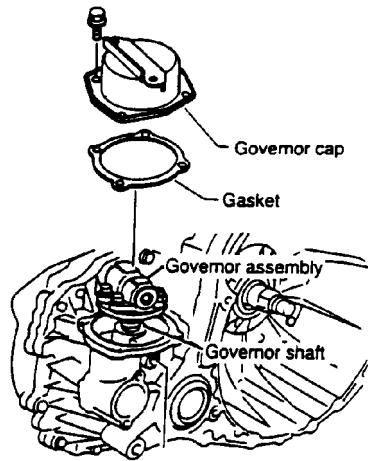


Figure 1

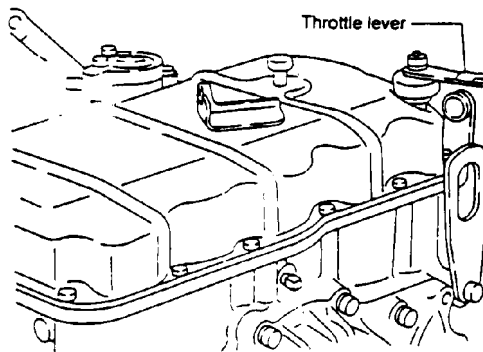


Figure 2

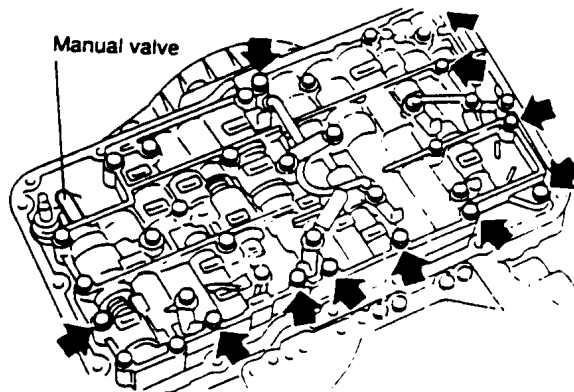
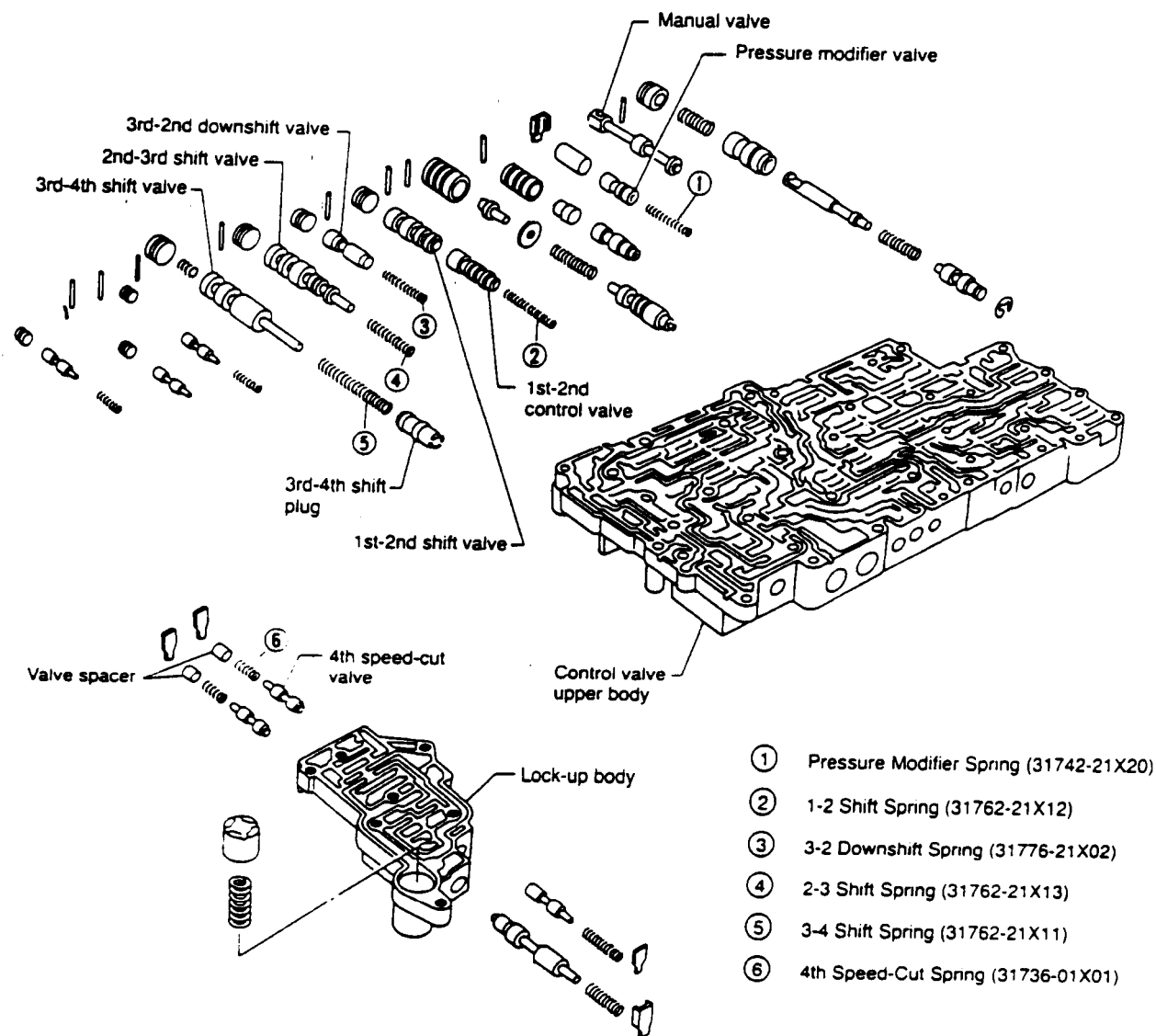


Figure 3



<u>ILLUS NO.</u>	<u>DESCRIPTION</u>	<u>NEW PART NUMBER</u>
1	Pressure Modifier Spring	31742-21X20
2	1-2 Shift Spring	31762-21X12
3	3-2 Downshift Spring	31776-21X02
4	2-3 Shift Spring	31762-21X13
5	3-4 Shift Spring	31762-21X11
6	4th Speed Cut Spring	31736-01X01
7	Governor Assembly	31860-24X04

Figure 4