

MAZDA G4A-HL NO 3-4 UPSHIFT

COMPLAINT: G4A-HL hydraulically controlled transmissions in Mazda 323 cars can loose the 3-4 shift while all other ranges function normally. A pan and servo examination reveal nothing abnormal.

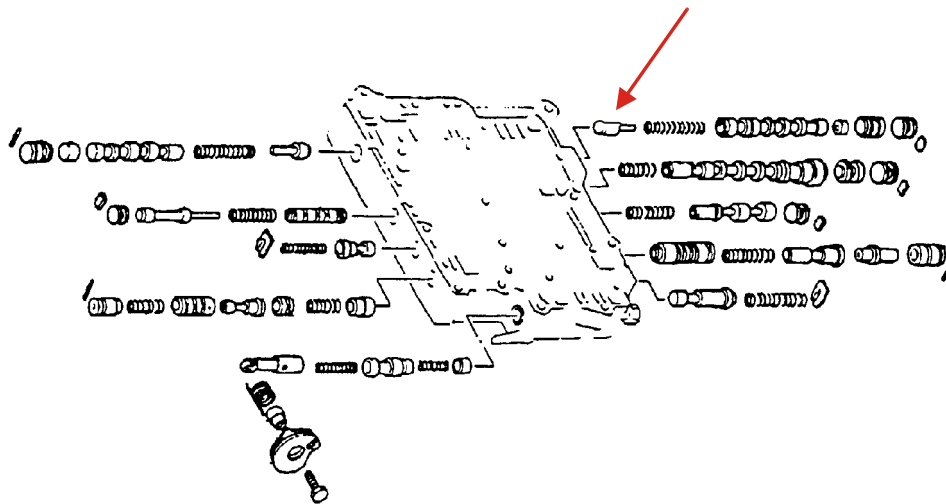
The cause may be that the 3-4 shift rear plug in the main valve body (SEE FIGURE 1) travels to far and jams. This prevents the 3-4 shift valve from stroking.

1) Shim the pocket that retains the 3-4 shift valve spring so that the 3-4 shift rear plug cannot travel far enough to jam. This will require a shim that is .080 - .100 inch thick and .250 - .300 inch in diameter (SEE FIGURE 2). Be sure that the shim is no more than .100 inch thick so as not to raise the 3-4 spring tension and create late 3-4 shifts.

2) Install the 3-4 shift sleeve with the identification notches facing inward (SEE FIGURE 2).

G4A-HL MAIN VALVE BODY

3-4 SHIFT REAR PLUG



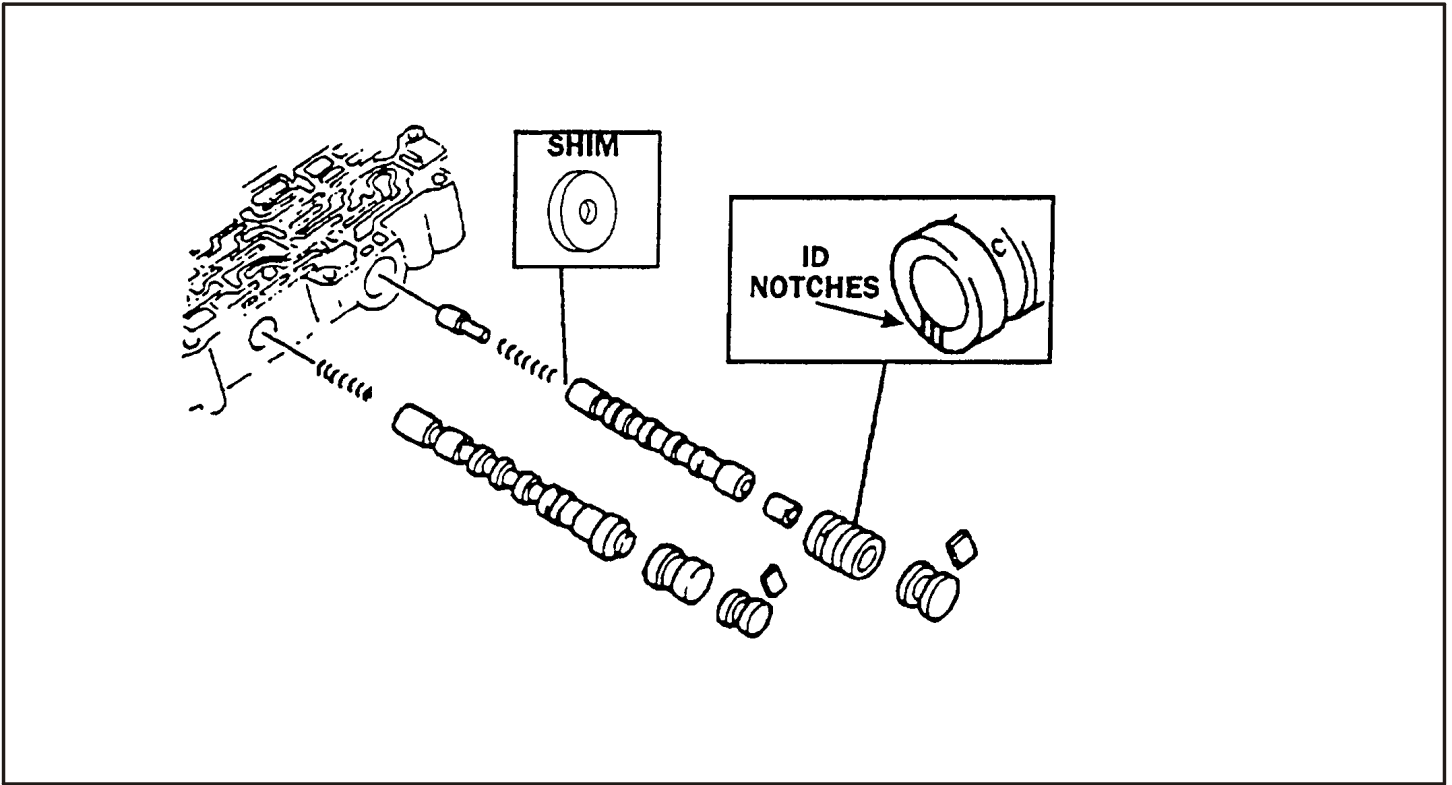


Figure 2