



# Technical Service Information

## FORD A4LD SENSITIVE 4-3 DOWNSHIFT

**COMPLAINT:** Vehicles equipped with the A4LD transmission may exhibit a sensitive 4-3 downshift.

**CAUSE:** The cause may be a weak or broken throttle pressure boost spring and/or 4-3 torque demand control spring in the valve body.

**CAUSE:** Remove the valve body and refer to figure 2 for bore identification. Discard the 4-3 torque demand control spring and the throttle pressure boost spring as shown in figure 1. Replace the 4-3 torque demand control spring (BORE 202) with the dark green spring, replace the throttle pressure boost spring with the light green spring (BORE 212) both available in OEM service kit E5TZ-7E479-A

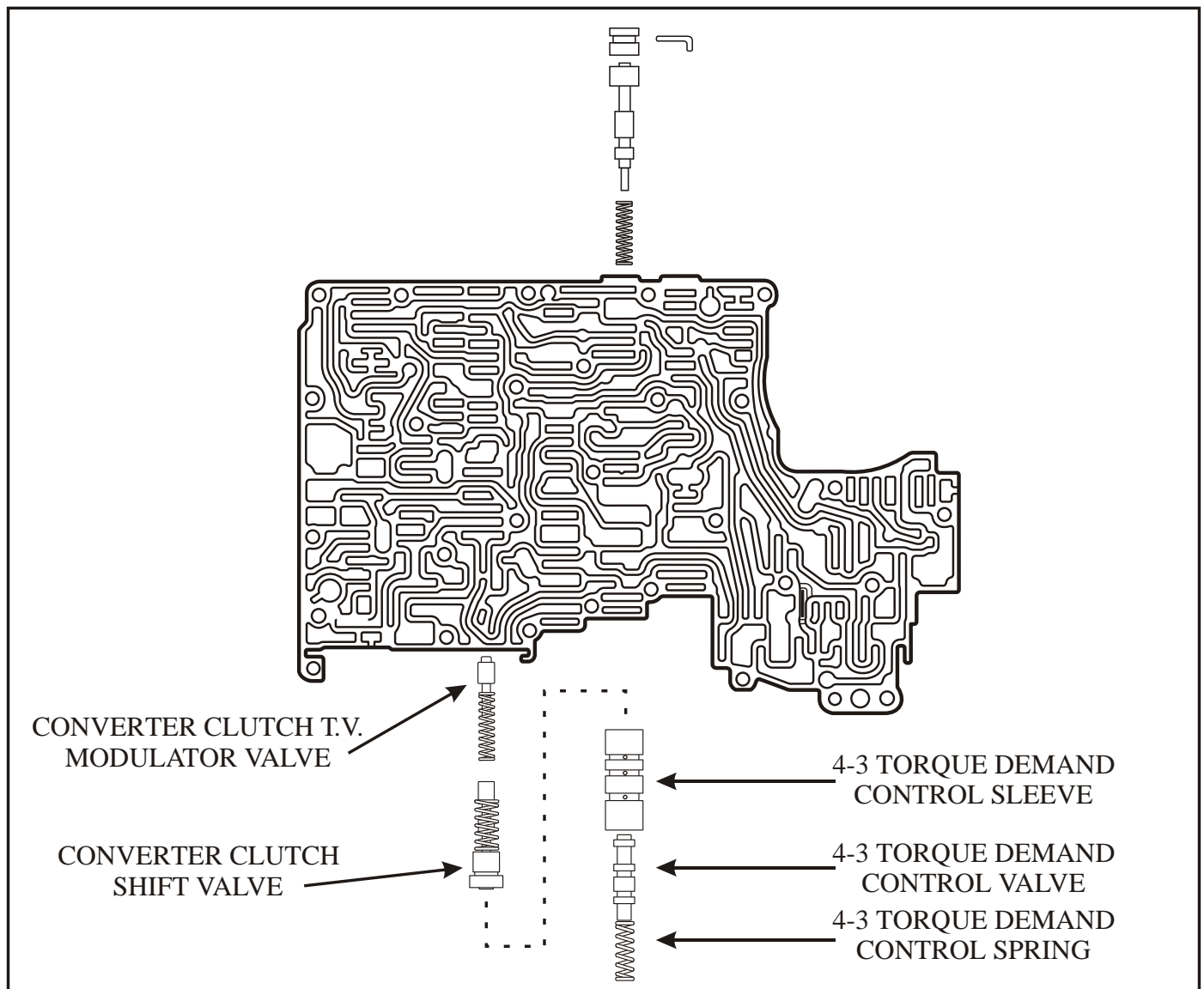
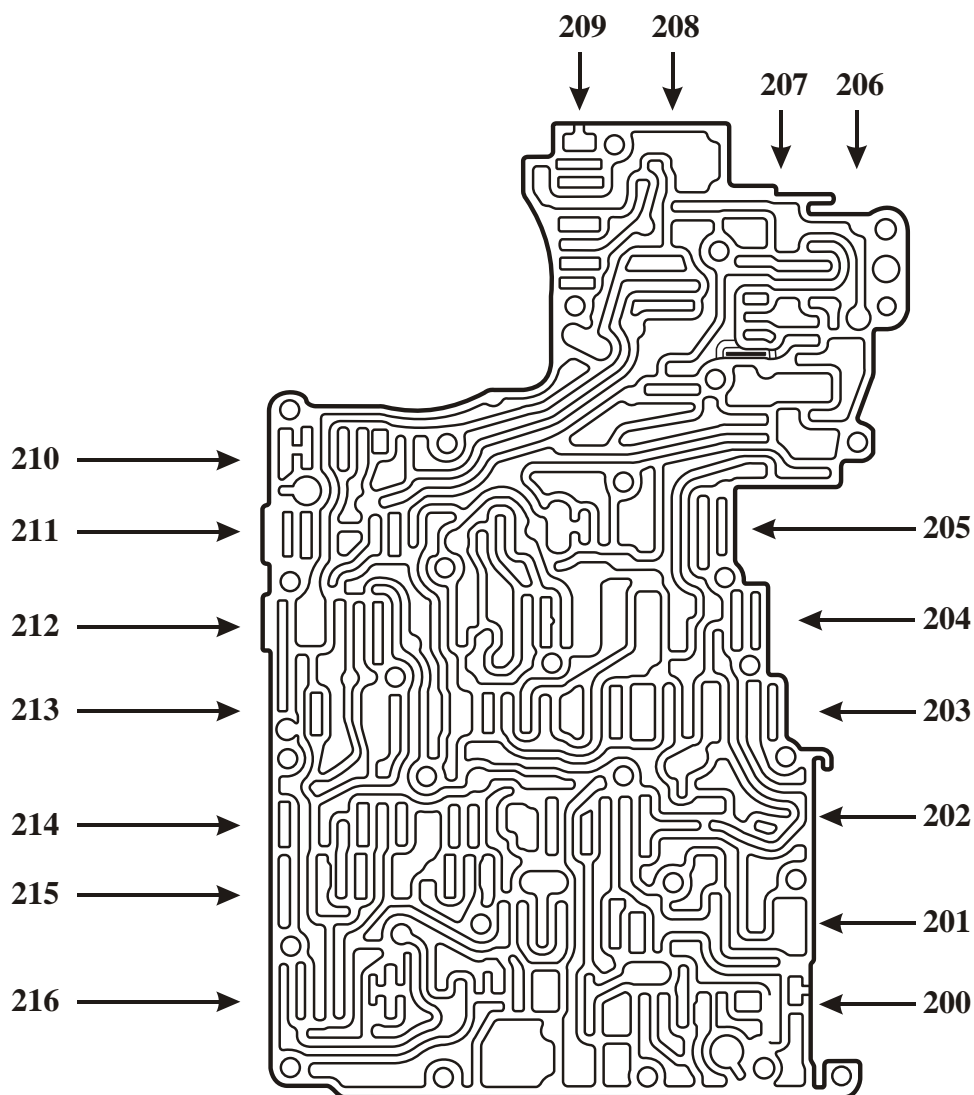


Figure 1

- |   |  |
|---|--|
| 200 - CONVERTER CLUTCH SOLENOID AND VALVE                           | 209 - CUTBACK VALVE  |
| 201 - 3-4 SHIFT VALVE, 3-4 T.V. MOD VALVE                           | 210 - TORQUE DEMAND CONTROL VALVE  |
| 202 - 4-3 TORQUE DEMAND VALVE<br>TCC T.V. MODULATOR VALVE           | 211 - 1-2 TRANSITION VALVE, 2-3 BACKOUT<br>VALVE, ORIFICE CONTROL VALVE                            |
| 203 - 2-3 SHIFT VALVE, 2-3 T.V. MOD VALVE                           | 212 - T.V. PRESSURE BOOST VALVE  |
| 204 - 1-2 SHIFT VALVE, D-2 SHIFT VALVE                              | 213 - 3-2 COAST CONTROL VALVE  |
| 205 - GOVERNOR COAST BOOST VALVE<br>LINE PRESSURE COAST BOOST VALVE | 214 - 3-2 KICKDOWN TIMING VALVE  |
| 206 - MANUAL VALVE  | 215 - CLUTCH RELEASE VALVE, 3-2 INTERMEDIATE<br>SERVO RELEASE VALVE                                |
| 207 - THROTTLE DOWNSHIFT VALVE (KICKDOWN)                           | 216 - INTERMEDIATE SERVO ACCUMULATOR<br>VALVE, OVERDRIVE SERVO ACCUMULATOR ,<br>3-4 BACKOUT VALVE. |
| 208 - MAIN BOOST VALVE, PRESSURE REGULATOR<br>VALVE                 |  |



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Figure 2