



# Technical Service Information

## FORD A4LD DELAYED ENGAGEMENT IN REVERSE

**COMPLAINT:** Before and/or after rebuild, the vehicle exhibits a delay to reverse, or possibly a no reverse at all condition, on later model vehicles equipped with the reverse engagement valve in the valve body.

**CAUSE:** The cause may be, a stuck or damaged reverse engagement valve.

**CORRECTION:** The reverse engagement valve can be bypassed entirely using the following procedure:

- (1) Remove the "L" shaped retainer, bore plug, reverse engagement control valve and reverse engagement control valve spring (See Figure 1).
- (2) Discard the reverse engagement control valve spring (See Figure 1).
- (3) Ensure that the "Flat" retainer and bore plug are installed in their proper positions, as shown in the inset in Figure 1.
- (4) Install 1/4" steel checkball against the bore plug (See Figure 2).
- (5) Reinstall the reverse engagement control valve **backwards** as shown in Figure 2, against the steel checkball.
- (6) Install AXOD checkball against the reverse engagement control valve, as shown in Figure 2.
- (7) Reinstall the bore plug and "L" shaped retainer (See Figure 2).
- (8) Grind the tip of the reverse engagement control valve as necessary to get the bore plug and the "L" shaped retainer installed correctly (See Figure 3).

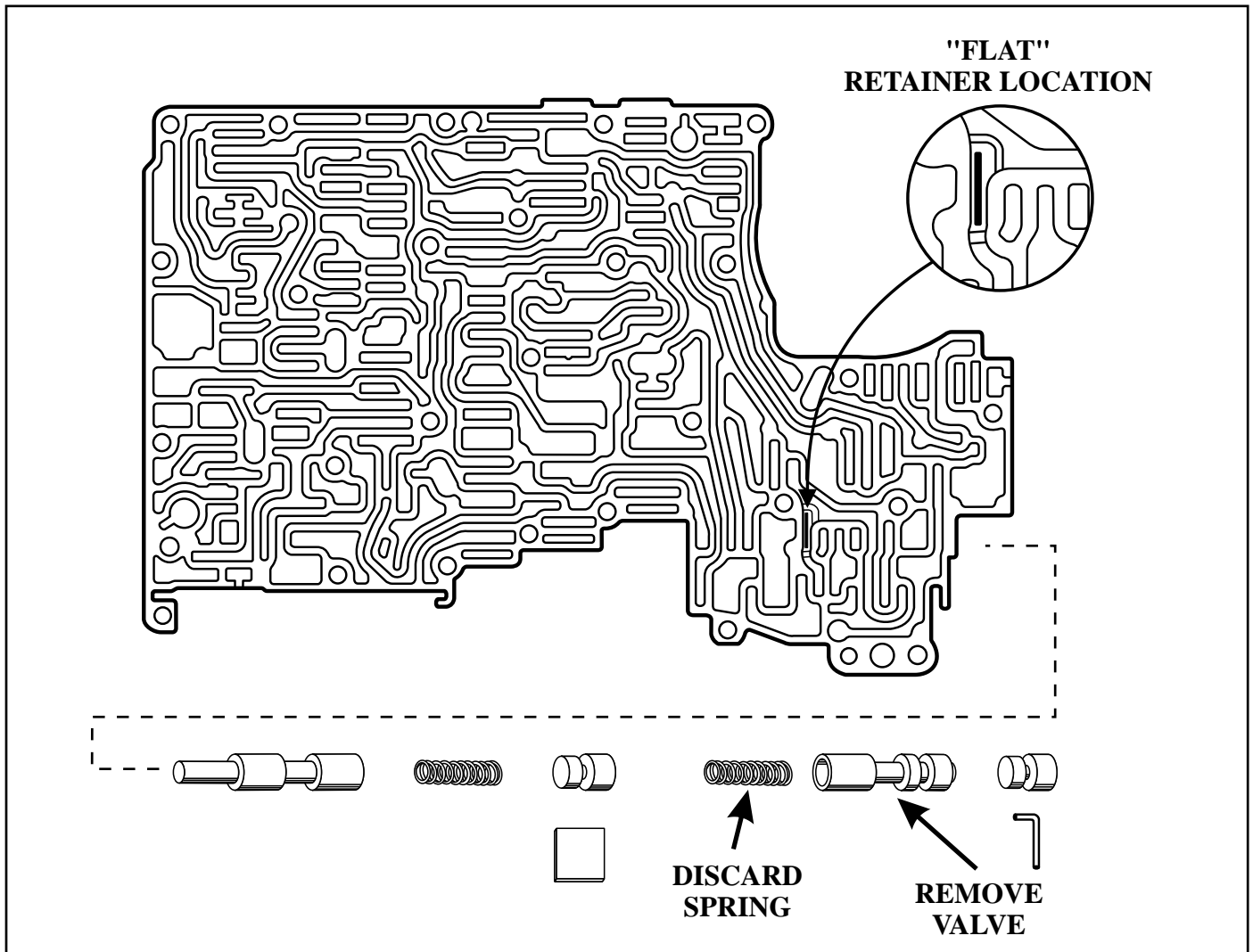


Figure 1

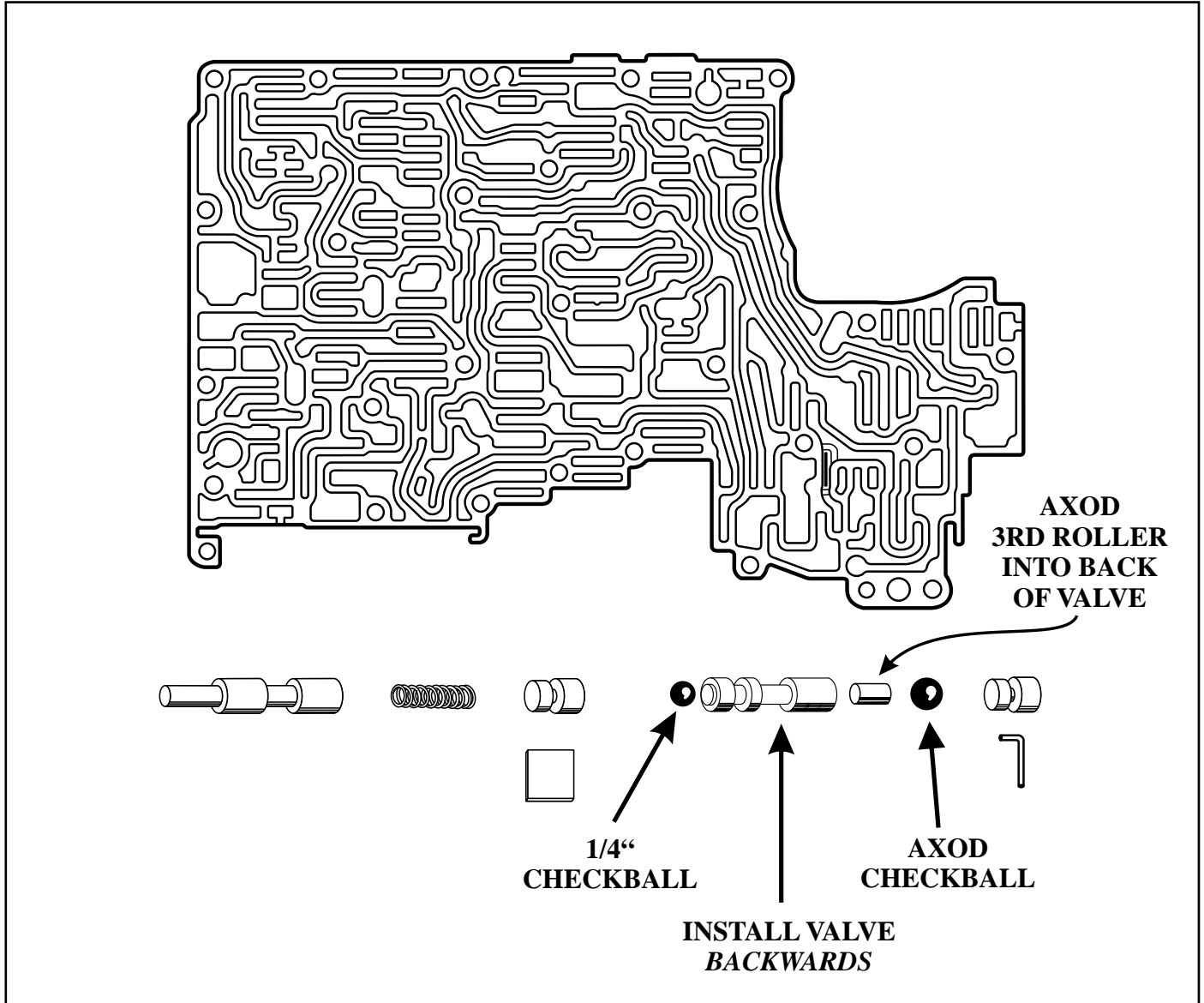


Figure 2

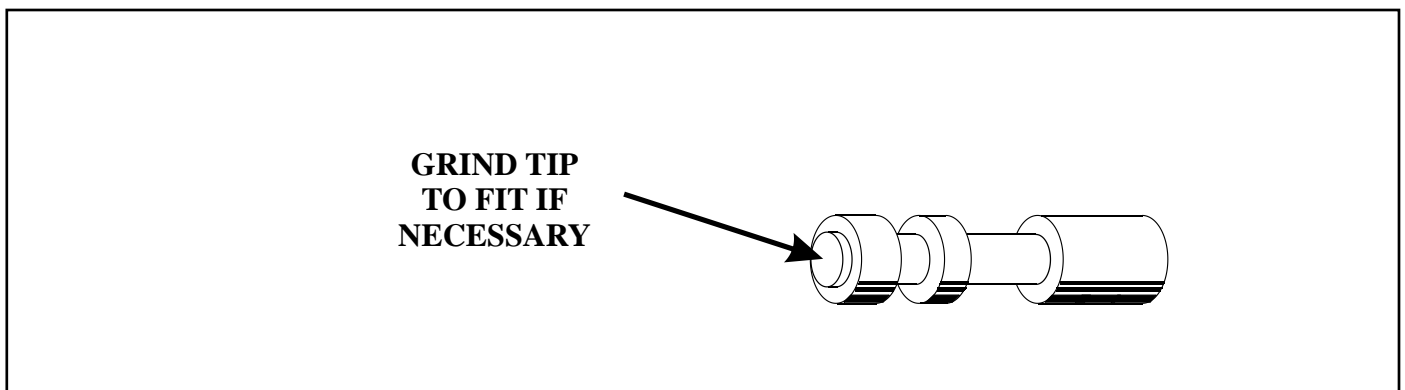


Figure 3