



# Technical Service Information

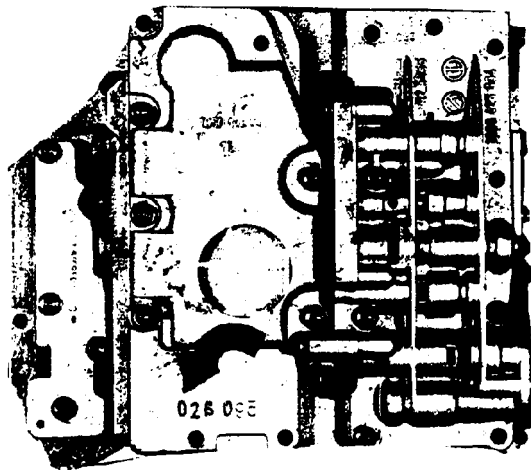
## EAGLE 4HP-18 HARSH 4-3 COAST DOWNSHIFT

**COMPLAINT:** After an overhaul, a harsh downshift from fourth gear to third is experienced. This condition usually occurs with closed throttle while the vehicle is coasting down after being in fourth gear.

**CAUSE:** Because the Forward (A) clutch must be re-applied on the 4-3 downshift, the cause may be that the Forward clutch accumulator orifice may be too large or new clutch material differences may affect the rate of clutch application, causing a harsh feel.

**CORRECTION:** The Forward (A) clutch accumulator orifice has been reduced in later valve bodies. To determine the update level of the valve body, refer to the first three numbers stamped on the filter cover. **See Figure 1.** If the valve body is the early style with either the 026 or 032 filter cover, check the valve body orifice (A) and reduce it as necessary to .047 in. **See Figure 2.**

If this does not correct the problem, or if the valve body filter cover is 052, 068, or higher, then it will be necessary to install a lighter spring into the Forward (A) clutch accumulator. The pressure regulator spring from a 350 valve body will fit nicely and soften the clutch as it reapplies during a coast downshift. **See Figure 3** for the location of the Forward (A) clutch accumulator.



See arrow on cover to locate identification numbers.  
Production numbers beginning with 026 or 132 are early model.  
Production numbers beginning with 052, 068, or higher are late model.

Figure 1

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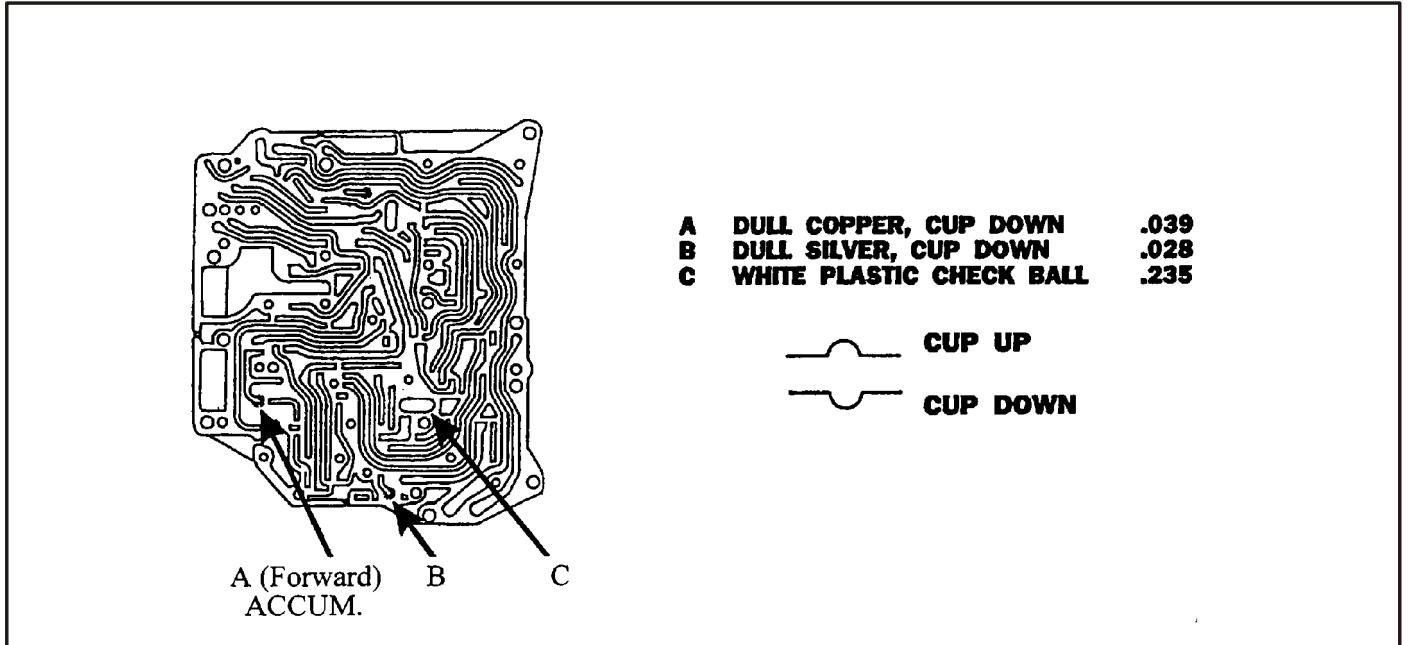


Figure 2

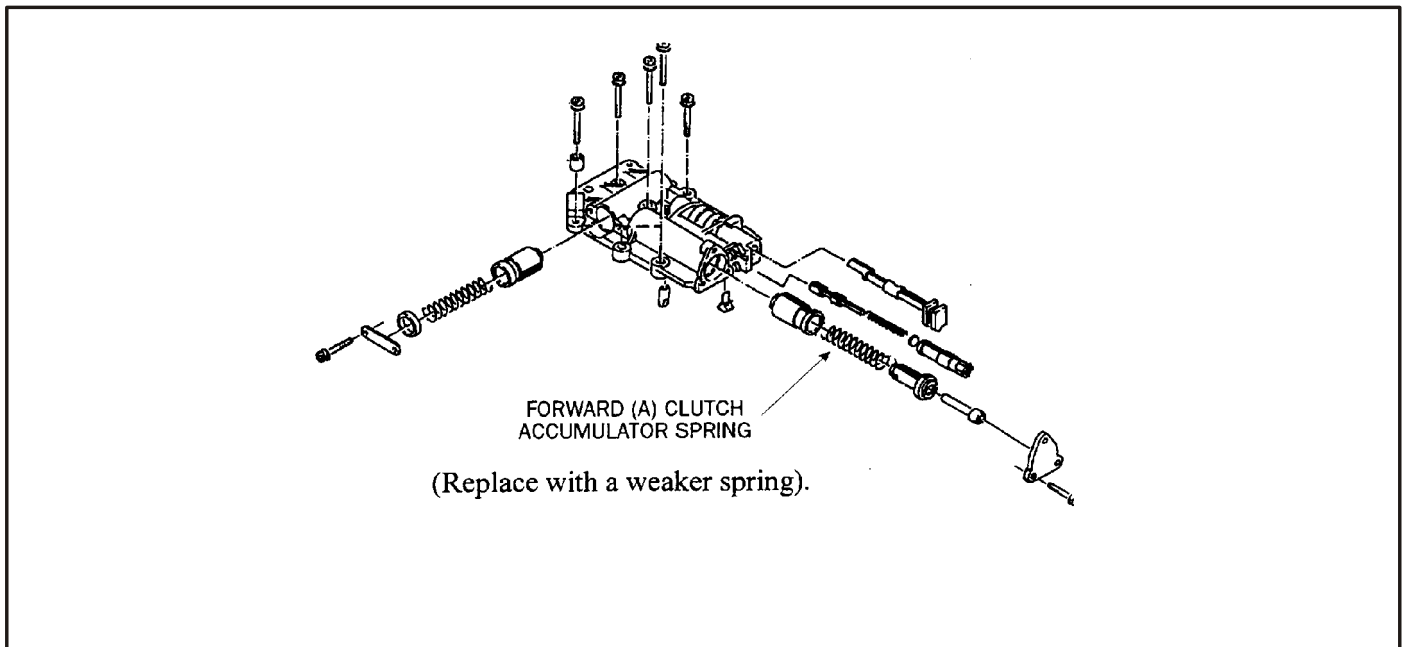


Figure 3