



# Technical Service Information

## NISSAN 4N71B HARSH 4-3 COAST DOWNSHIFT

**COMPLAINT:** Some vehicles may exhibit a harsh coast downshift bump going from fourth to third.

**CAUSE:** The cause may be, a mis-matched overdrive direct clutch drum assembly and the overdrive drum support. The cushion plate arrangement in the overdrive direct drum and the size of the overdrive direct clutch feed hole located in the drum support. Some drum supports also require a checkball depending on cushion plate arrangement. Refer to Figure 1.

**CORRECTION:** There are three different combinations that match and provide acceptable results, and are as follows:

- (1) The drum support has a .078" orifice feed hole and requires a .195" checkball. The overdrive direct drum clutch stack **does not** use a cushion plate (See Figure 2)
- (2) The drum support has a .115" orifice feed hole and also requires a .195" checkball. The overdrive direct drum clutch stack requires **one** cushion plate (See Figure 3).
- (3) The drum support has a .115" orifice feed hole, but the checkball has been removed due to the overdrive direct drum clutch stack requiring **two** cushion plates installed in the direction illustrated in Figure 4.

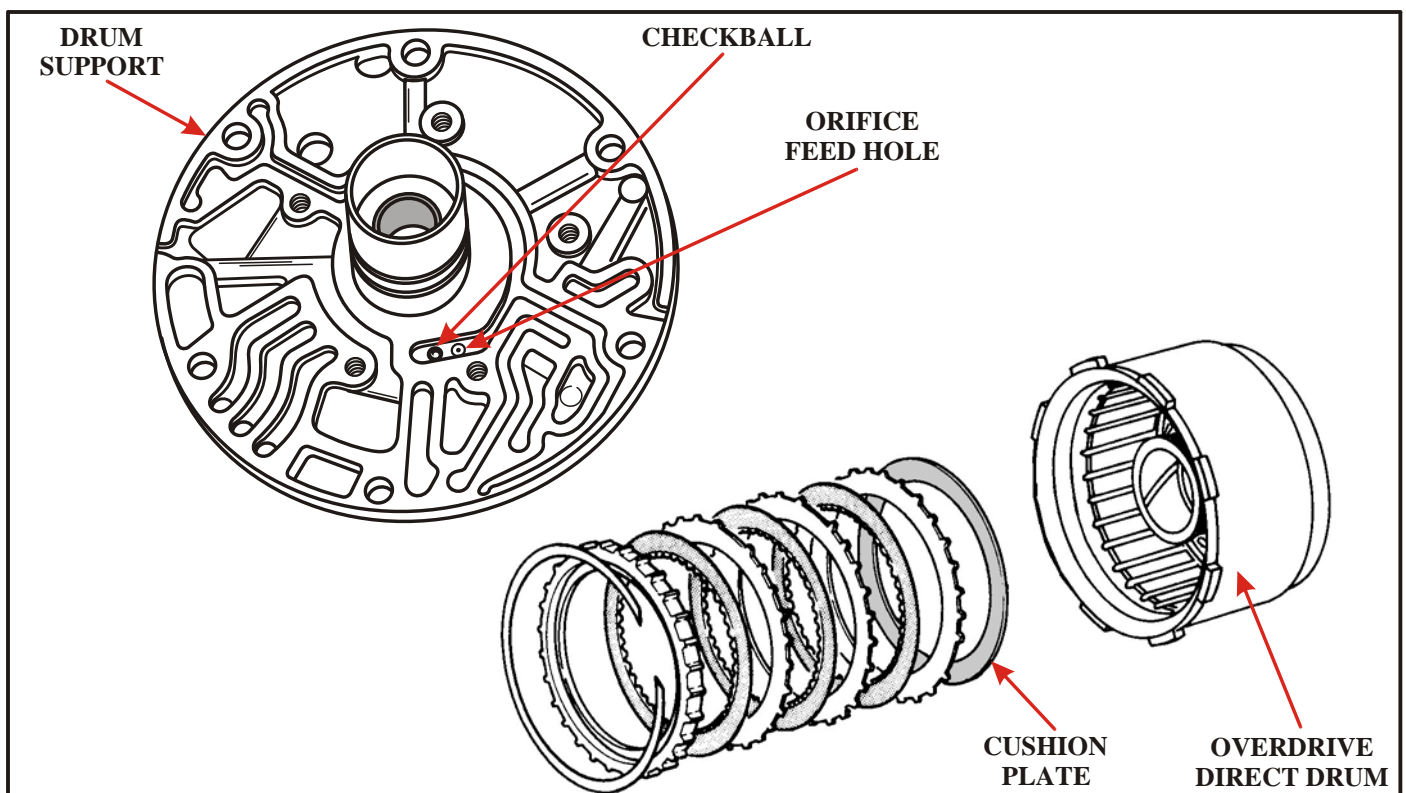


Figure 1

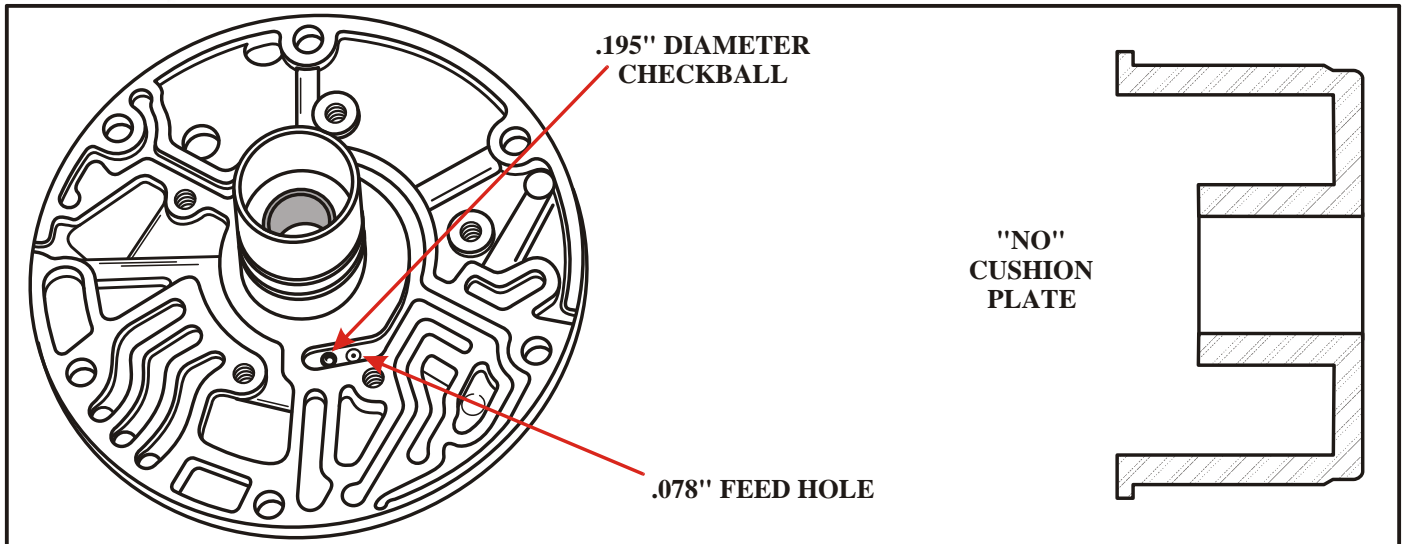


Figure 2

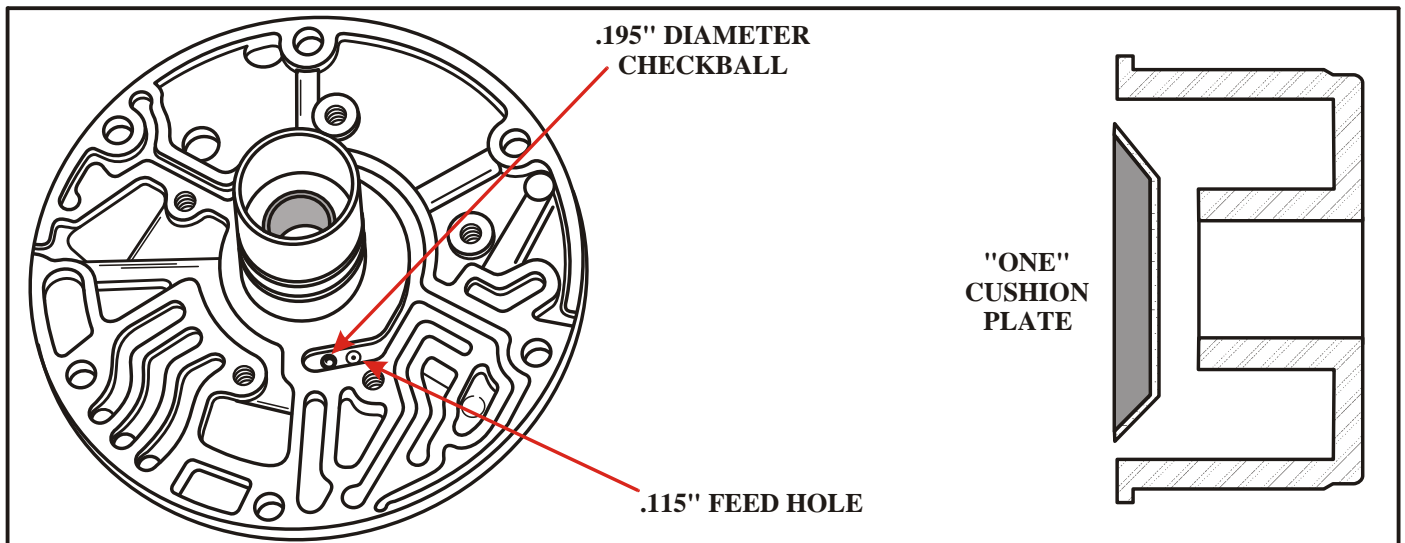


Figure 3

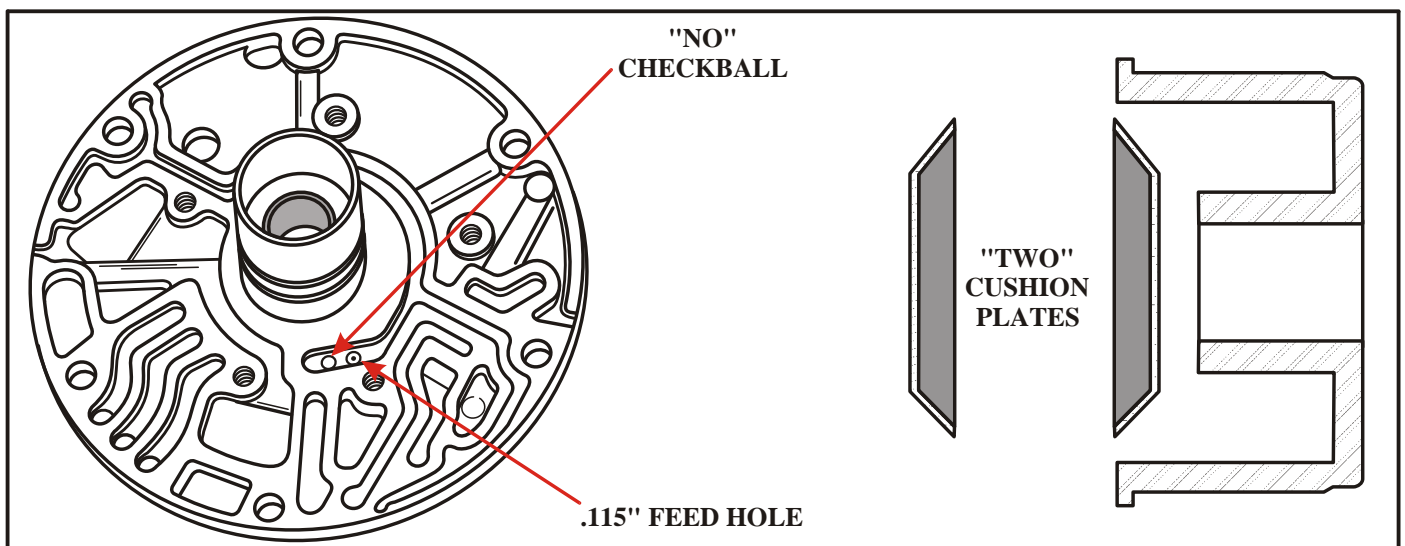


Figure 4