



Technical Service Information

TOYOTA A750E HARSH 2-3 SHIFT

COMPLAINT: After overhaul on a 2008 Toyota Tundra, an A750E has complaints of a harsh 2-3 shift and a firm reverse engagement. Since this was a fresh rebuild and all components are verified good, a decision was made to remove and inspect the valve body.

CAUSE: The #7 check ball in the upper valve body cover was placed in the wrong location as seen in figure 1. The #7 check ball controls the apply of the C3 (Direct Clutch) which is applied on the 2-3 shift as well as for reverse engagement.

CORRECTION: Place the #7 check ball in the correct location in the upper valve body cover as seen in figure 2.

Many thanks to Rick from AAMCO Transmissions for sharing his experience with ATSG.

A750E HARSH 2-3 SHIFT

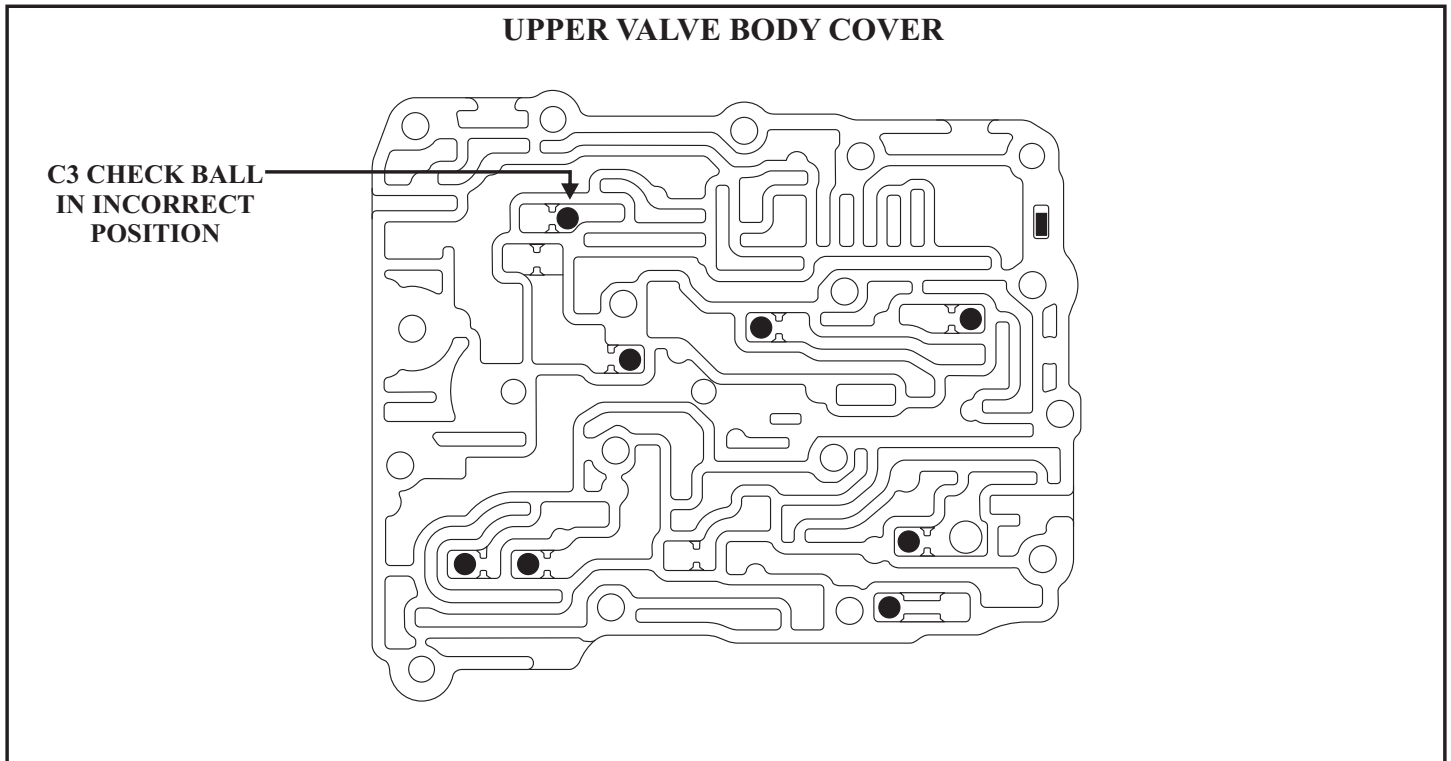


Figure 1

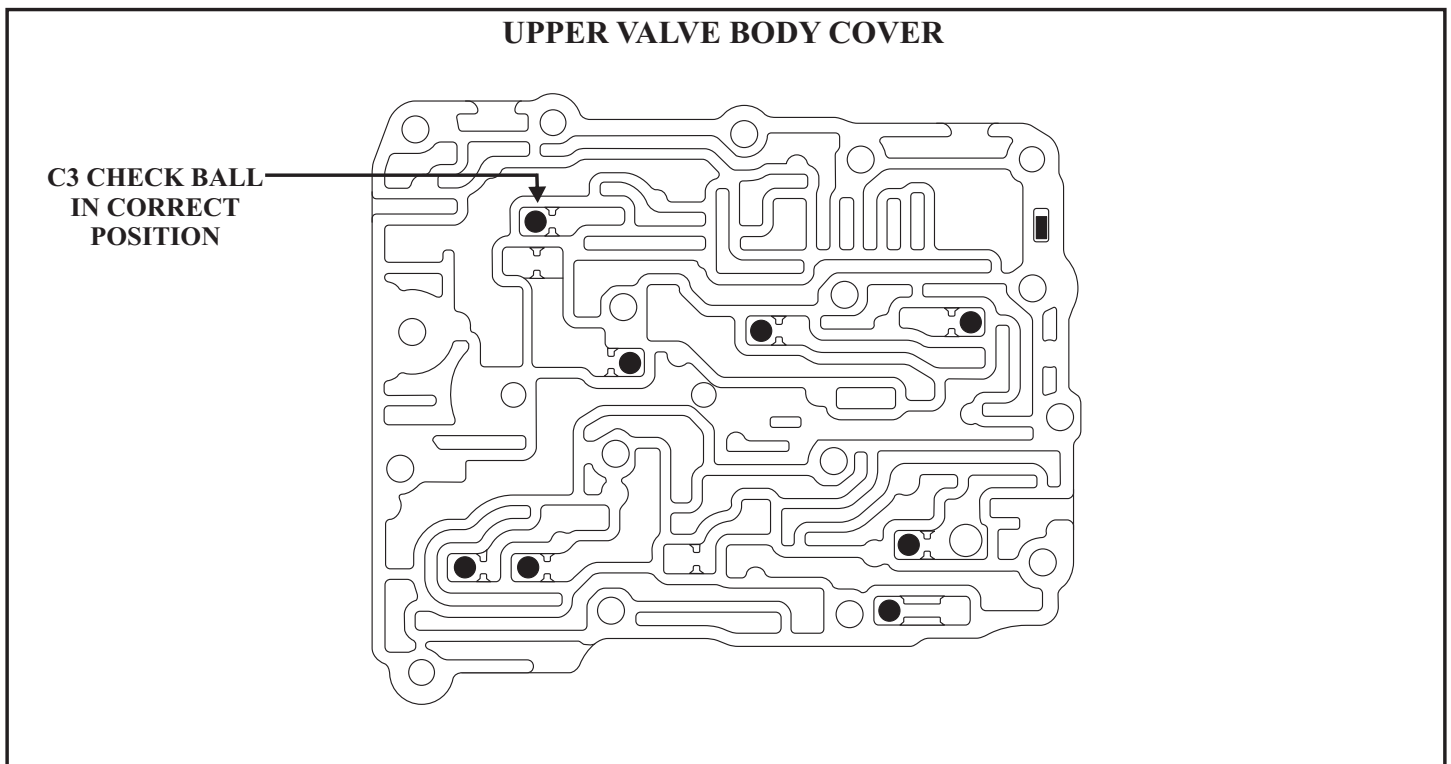


Figure 2