

ZF5HP24

DELAY/SLIPS IN REVERSE

COMPLAINT: After overhaul, vehicles equipped with the ZF5HP24 transmission may exhibit a delayed engagement in Reverse or when Reverse is engaged it slips backing up. *Note: It may be noticed that when the selector is pushed a little closer to the Park or Drive Position, Reverse engages good.*

CAUSE: The cause may be, that the Manual Valve, as shown in Figure 1, is mis-aligned to the valve body casting causing a loss of pressure to the Reverse apply circuit. This happens when the Tamper-proof bolts are removed from the detent spring (see Figure 2). Note: There is no alignment when reassembling the detent spring to the case.

CORRECTION: To correct this condition, Refer to Figure 2 and place the Manual shaft in Reverse range. Measure from the edge of the valve body casting to the edge of the Manual Valve and verify that the reading is approximately .830"-.835." It may be necessary to remove the valve body and loosen the tamper proof bolts to adjust the detent spring to get the right reading.

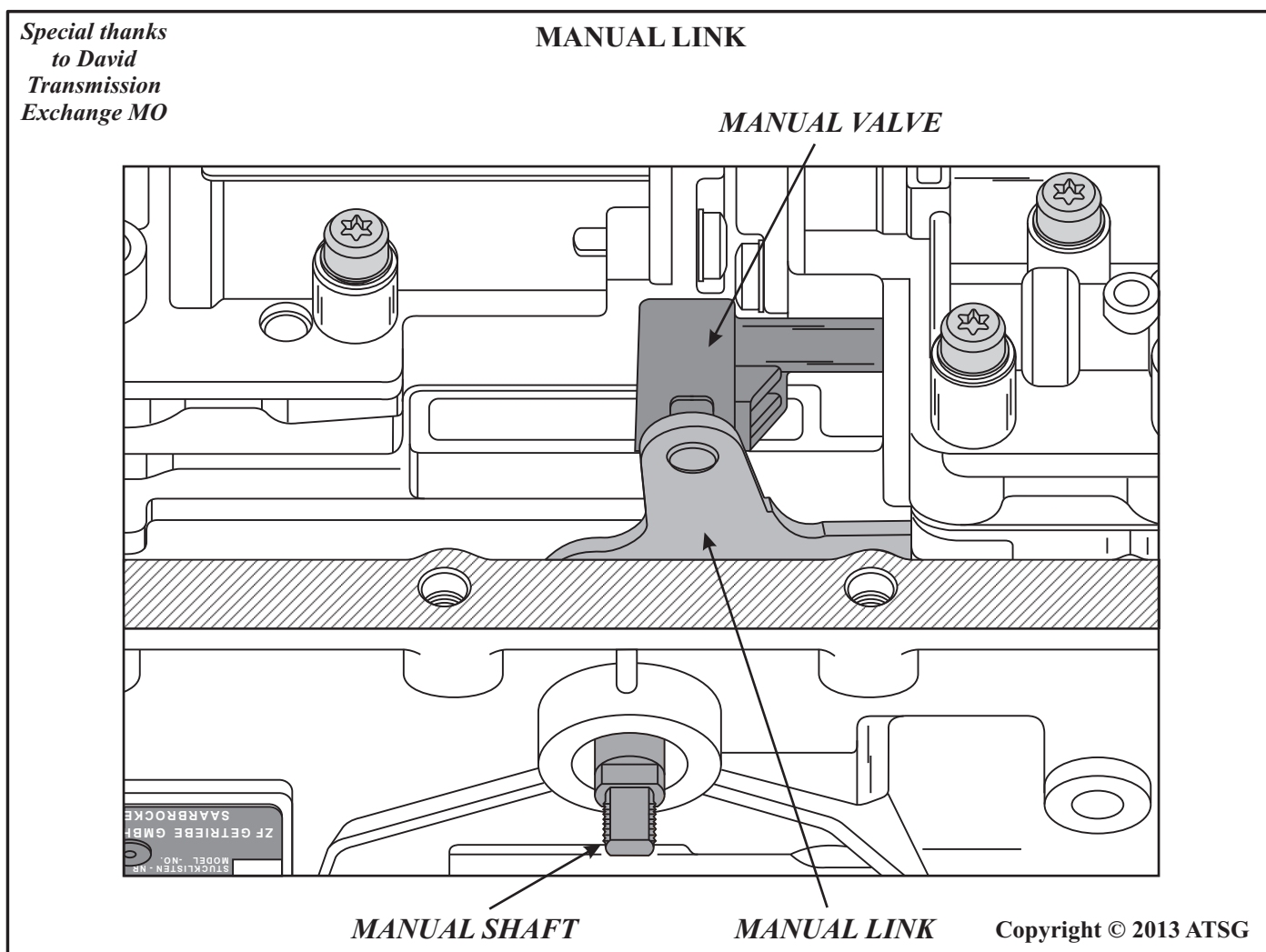
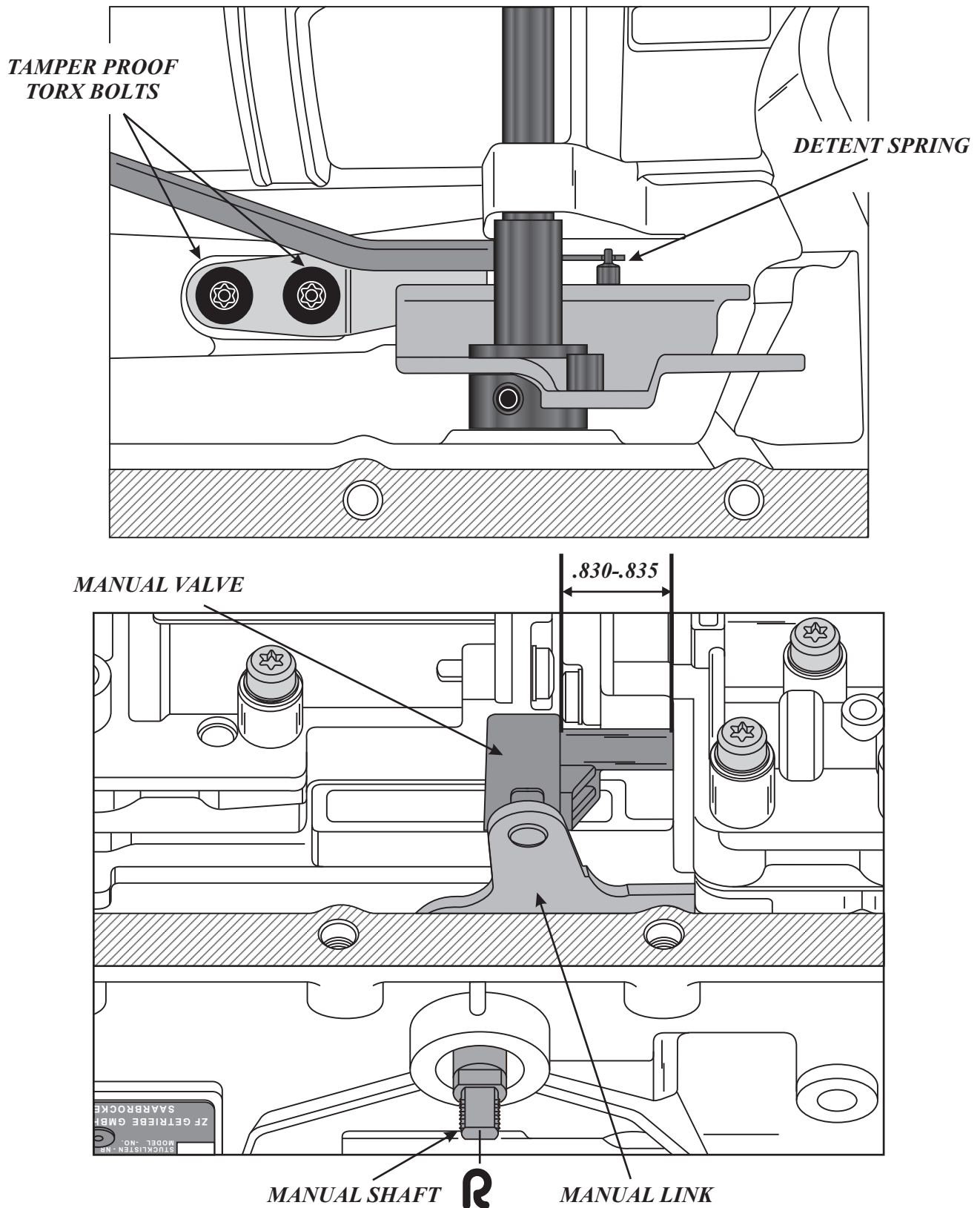


Figure 1

DETENT SPRING AND MANUAL VALVE ALIGNMENT



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Figure 2