

GM 6L90

BINDS IN REVERSE AND FIFTH AND PULLS FORWARD IN NEUTRAL

COMPLAINT: A 2012 Chevrolet Express Van equipped with the 6L90 transmission has a complaint of a bind in reverse and fifth as well as forward movement in neutral. A check of the transmission fluid condition revealed it was clean.

CAUSE: Regardless of the clean fluid, the technician was expecting to find the 1-2-3-4 clutch welded together. But when he went to remove the 1-2-3-4 clutch retaining snap ring, it was immediately noticed that the clutch pack was very tight making it difficult to remove.

What was found was the 1-2-3-4 clutch apply piston had broken away from its center (figure 1). This breakage kept the 1-2-3-4 clutch apply piston from releasing (figure 2), causing the clutch to remain mechanically applied at all times.

CORRECTION: Replace the 1-2-3-4 clutch apply piston seen in figure 3.

6L90 1-2-3-4 Clutch Apply Piston.....24262679

A special thank you to Jeff and Sean from LLOYD's Transmission for sharing their experience with ATSG.

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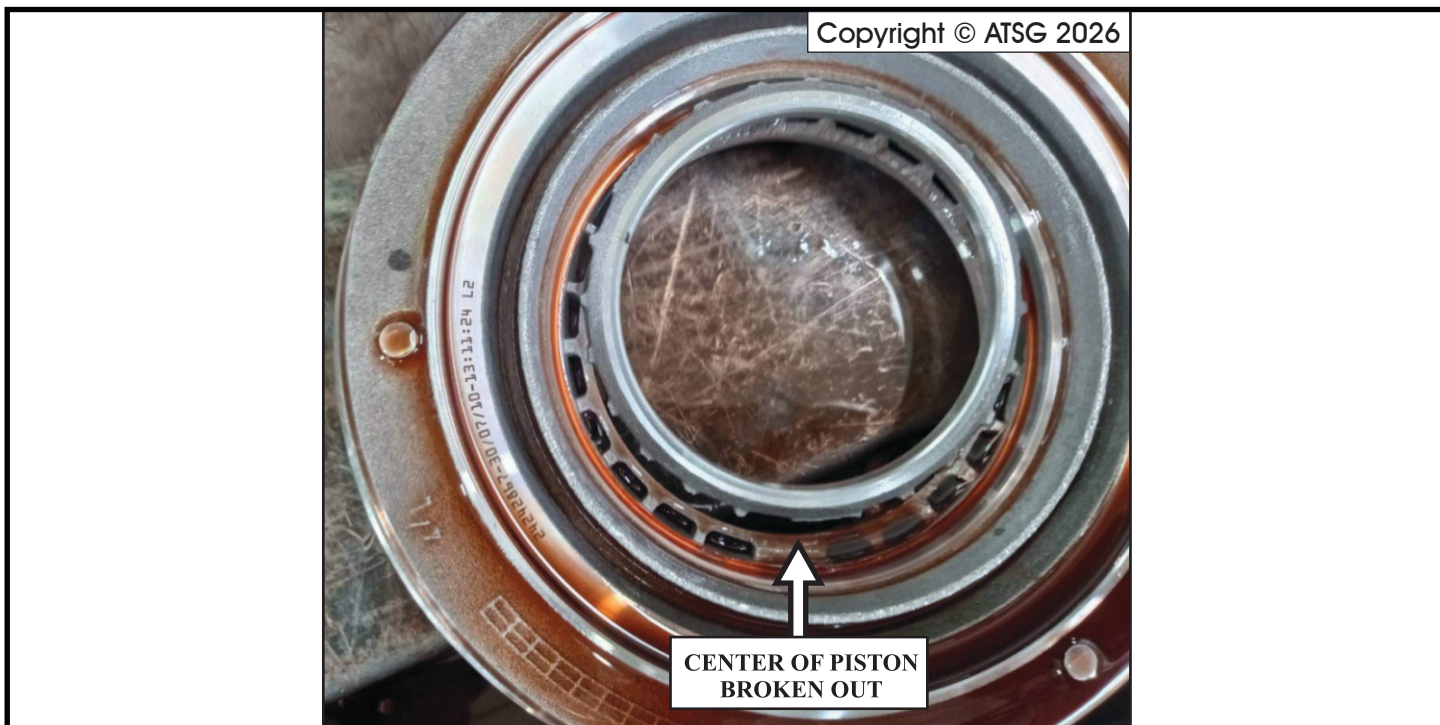


Figure 1

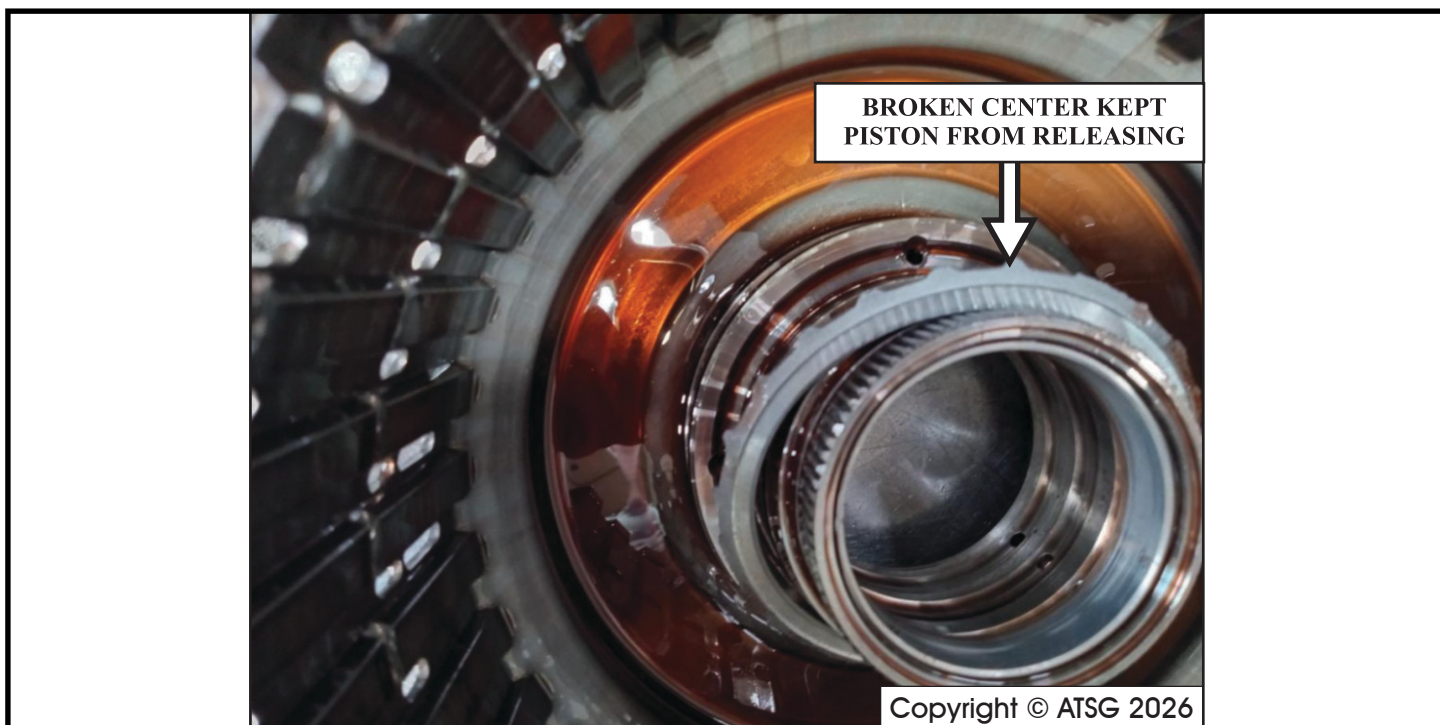


Figure 2

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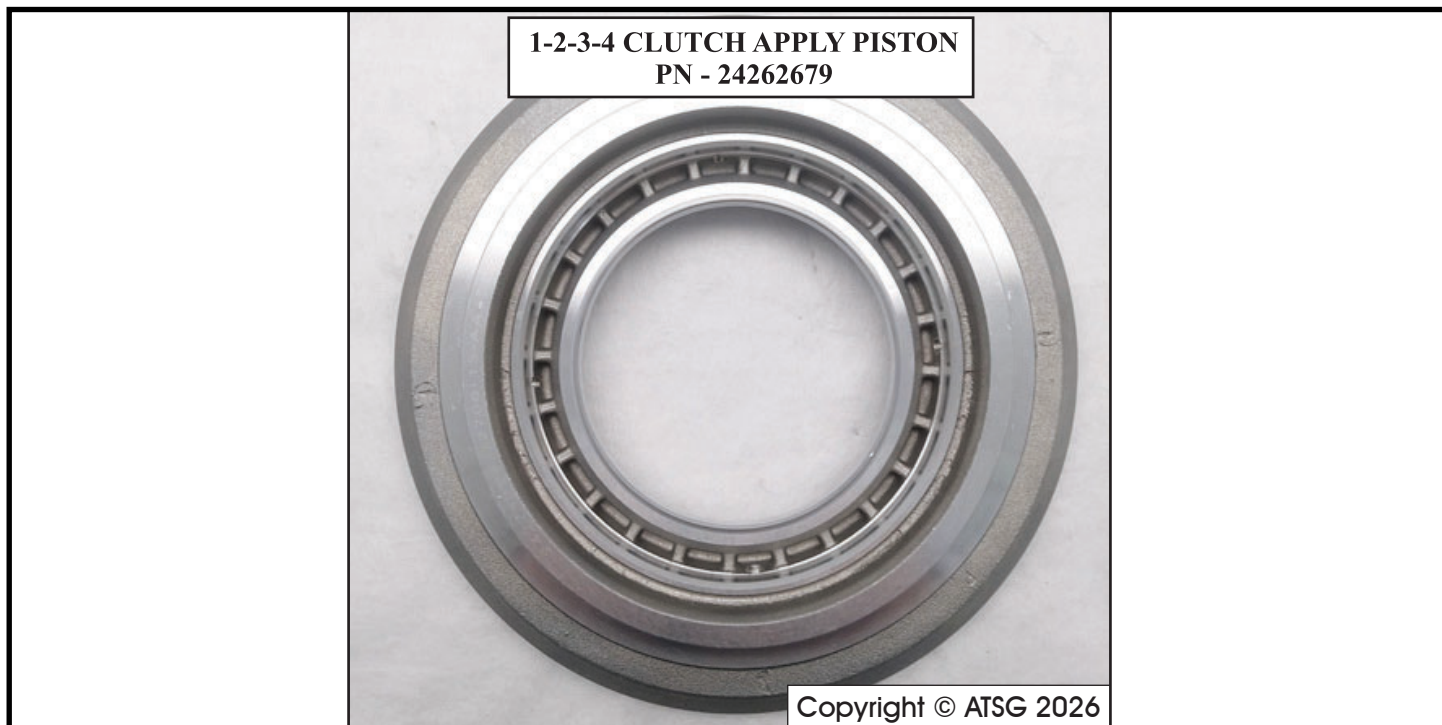


Figure 3