

**GM 4L60E****NO REVERSE**

**COMPLAINT:** A 2007 Chevrolet Tahoe equipped with the 4L60E transmission has a complaint of a no reverse condition, all forward gears are functioning properly. The transmission had engine braking in manual low which meant the low reverse clutch was operational. This left the reverse input clutch as the potential problem.

**CAUSE:** The valve body was removed with the intention of air checking the reverse input drum and to see if its related # 3 check ball was stuck in the spacer plate (figure 1). Once the valve body and spacer plate was removed, what was found was, this # 3 reverse input check ball had battered the spacer plate and tore the gasket as well (figure 2). A piece of this gasket blocked the reverse input clutch feed orifice in the spacer plate resulting in the no reverse condition (figure 3).

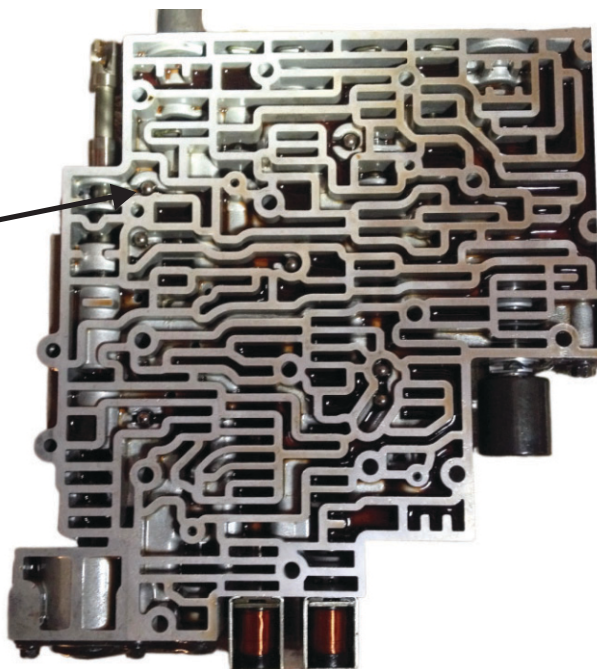
**CORRECTION:** Replacement of the spacer plate and gaskets restored reverse to the transmission.

Many thanks to Jeff from Lloyd's Transmission for the photos and for sharing his experience with ATSG.

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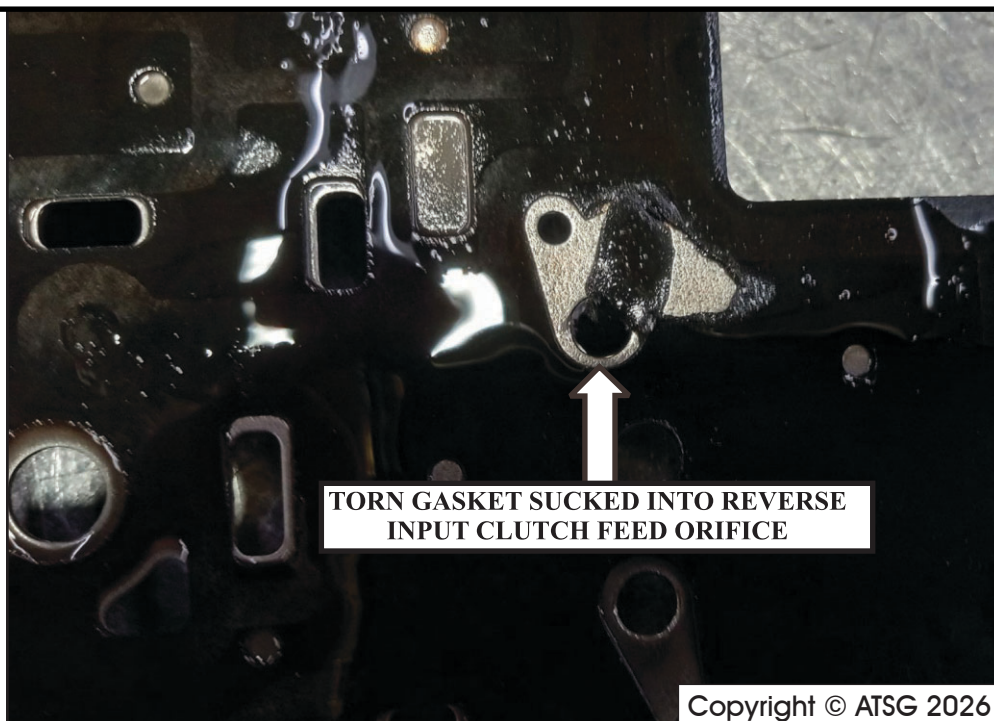
REVERSE INPUT  
CLUTCH



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**Figure 1**

TORN GASKET SUCKED INTO REVERSE  
INPUT CLUTCH FEED ORIFICE

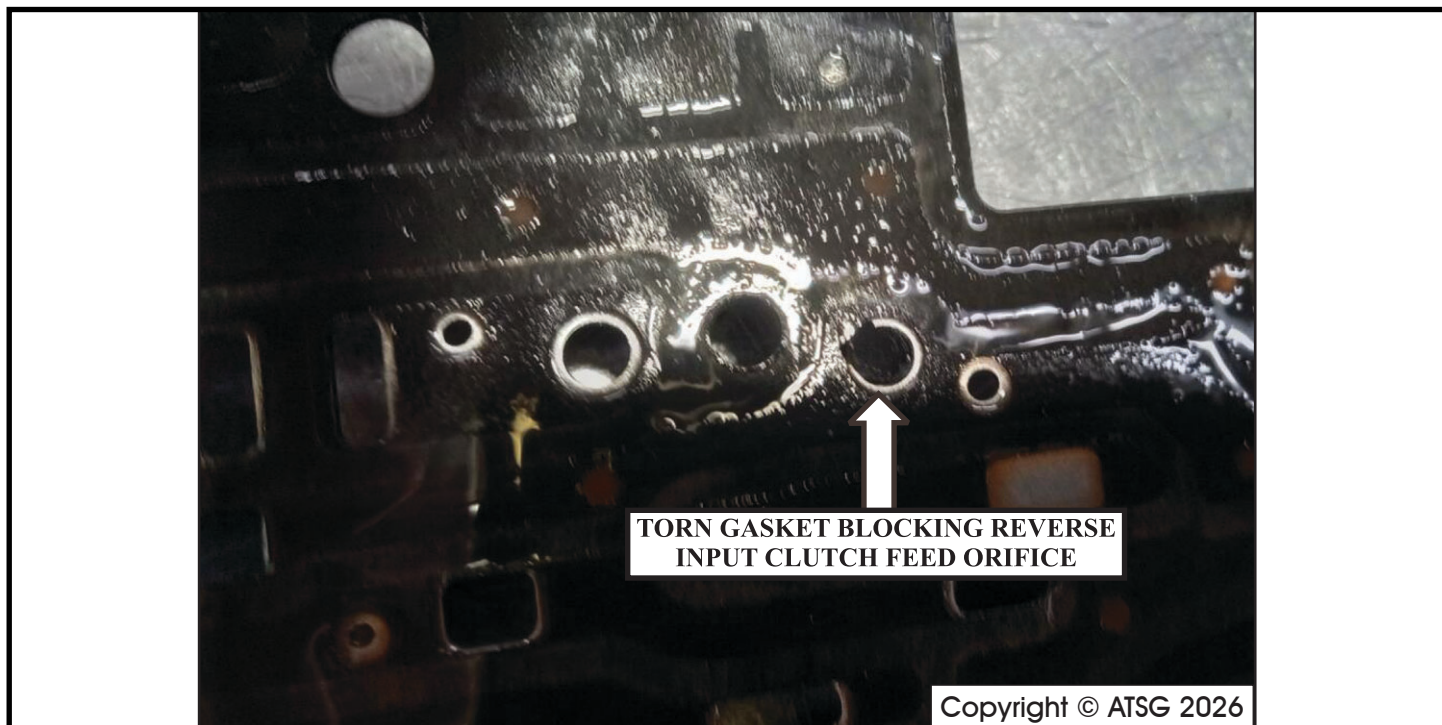


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**Figure 2**

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**Figure 3**