



Technical Service Information

TF81SC

SLIPS IN REVERSE & TCC CHATTER

COMPLAINT: A vehicle equipped with the TF81SC transmission may have a complaint after overhaul of a delayed or slip in reverse. A secondary complaint may be a converter clutch chatter or engine rpm drop. Other complaints may also be harsh shifts and a bind-up sensation.

- CAUSE:**
- (1) Installing the 9172 gasket on the 9174 valve body:
 - In Reverse - Reverse chatter or slip due to loss of boost pressure.
Stall the engine or loss of engine rpm to converter clutch apply, Refer to Figure 1.
 - In Drive - High line pressure due to crossleak into reverse boost circuit, Refer to Figure 1.
Harsh and/or bump shifts with a bind-up sensation.
 - (2) Installing the 9174 gasket on the 9172 valve body:
 - No Functional problems, However if the original bonded gaskets are removed and replaced with after market gaskets and because a part of that gasket is not supported, a piece can break off and become lodged in the Reverse Boost Valve which could cause engagement problems, Refer to Figure 2.

CORRECTION: Install the correct gasket onto the correct valve body casting as seen in Figure 3 or reuse the bonded plate and gaskets if they are in good condition.

Many thanks to Dean Mason from Trans Lab for his calculation contributions

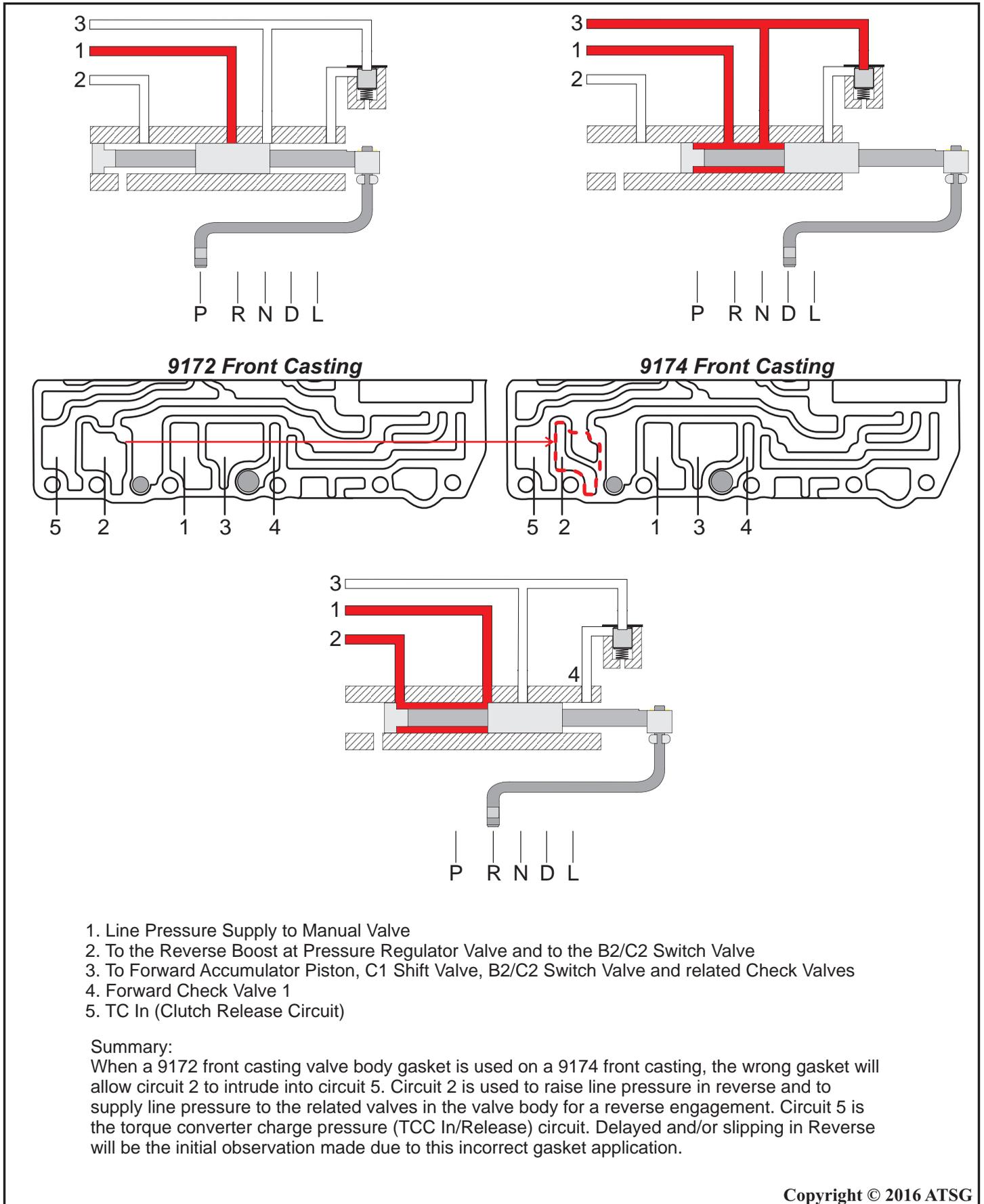


Figure 1



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AF21/TF-81SC FRONT CASTING LOWER SIDE

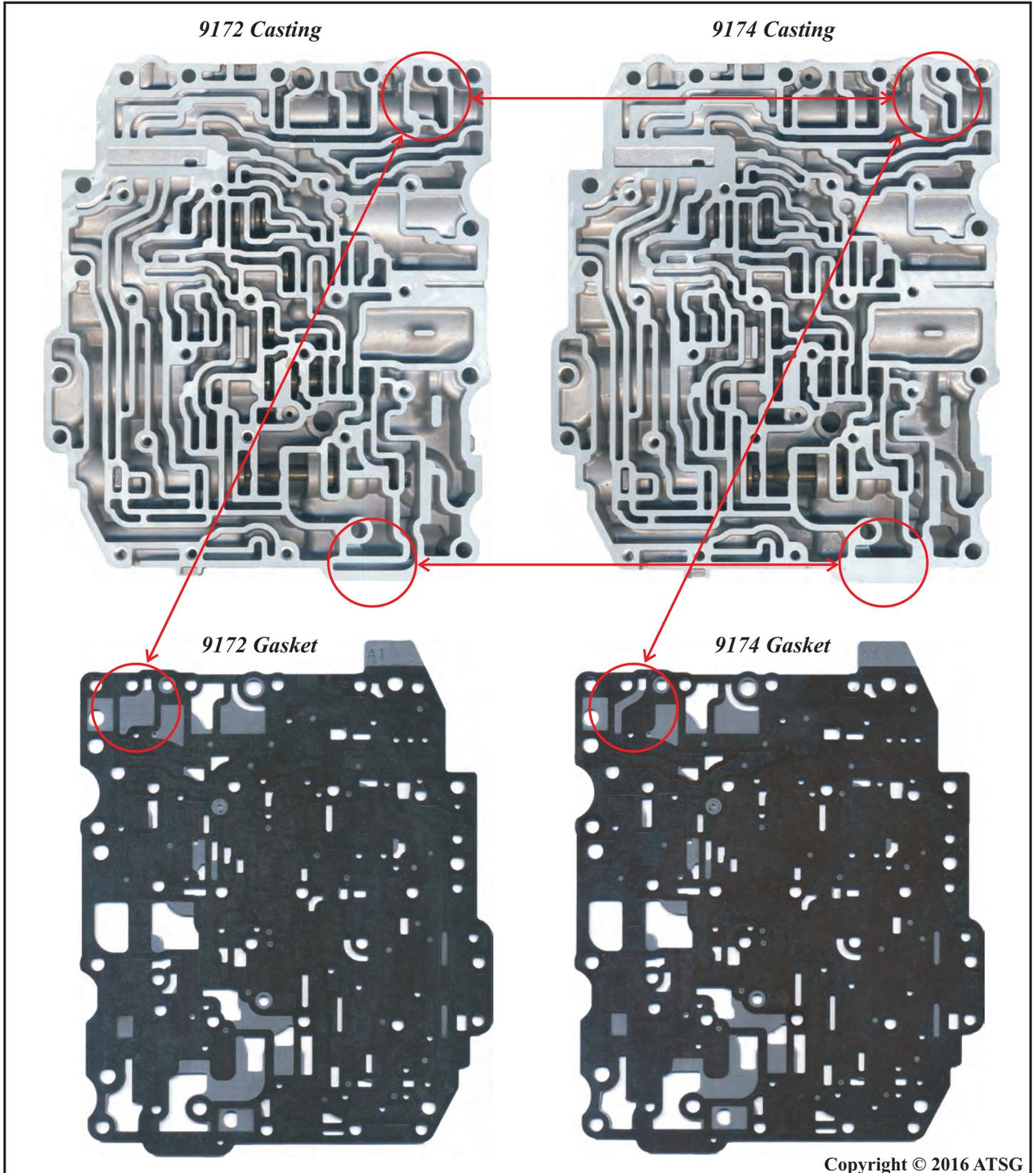


Figure 2