

AISIN SEIKI 450-43LE PREMATURE FORWARD CLUTCH FAILURE

COMPLAINT: After overhaul, during the road test the truck begins to slip on initial take-off. As the truck is driven further, it begins to slip in all forward gears. Upon dis-assembly of the transmission, the forward clutch (C1) is badly burnt.

CAUSE: #1 The forward clutch accumulator cover located in the rear of the transmission case was left loose, (See Figure 1), which results in a significant leak in the forward clutch circuit resulting in the above complaint.

#2 The forward clutch accumulator gasket was misaligned which creates a leak in the forward clutch circuit resulting in the above complaint.

CORRECTION:

#1 Be sure to tighten the forward clutch accumulator cover bolts to 6 ft. lbs.

#2 Install the forward accumulator gaskets as shown in Figures 2 and 3.

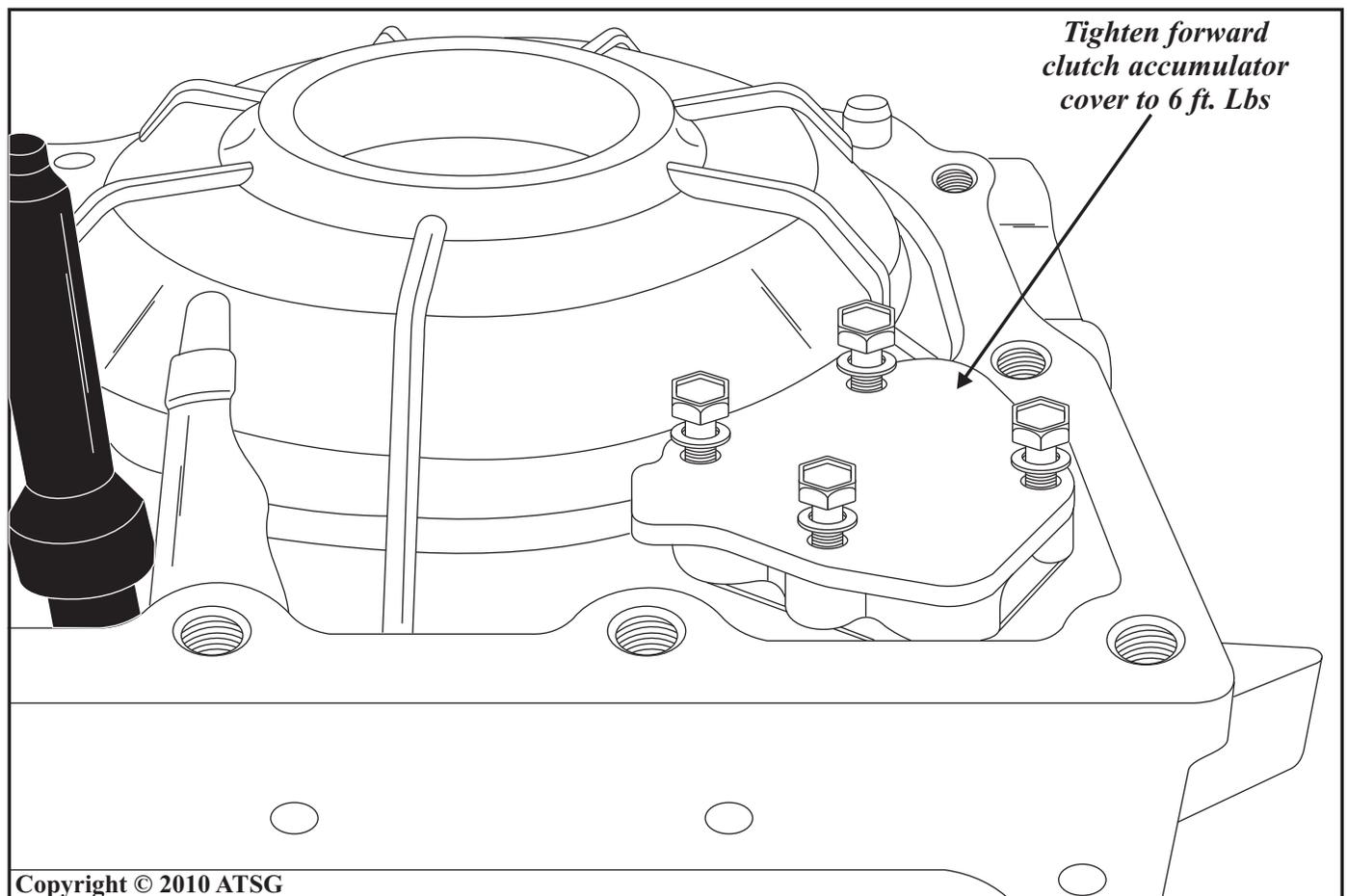


Figure 1

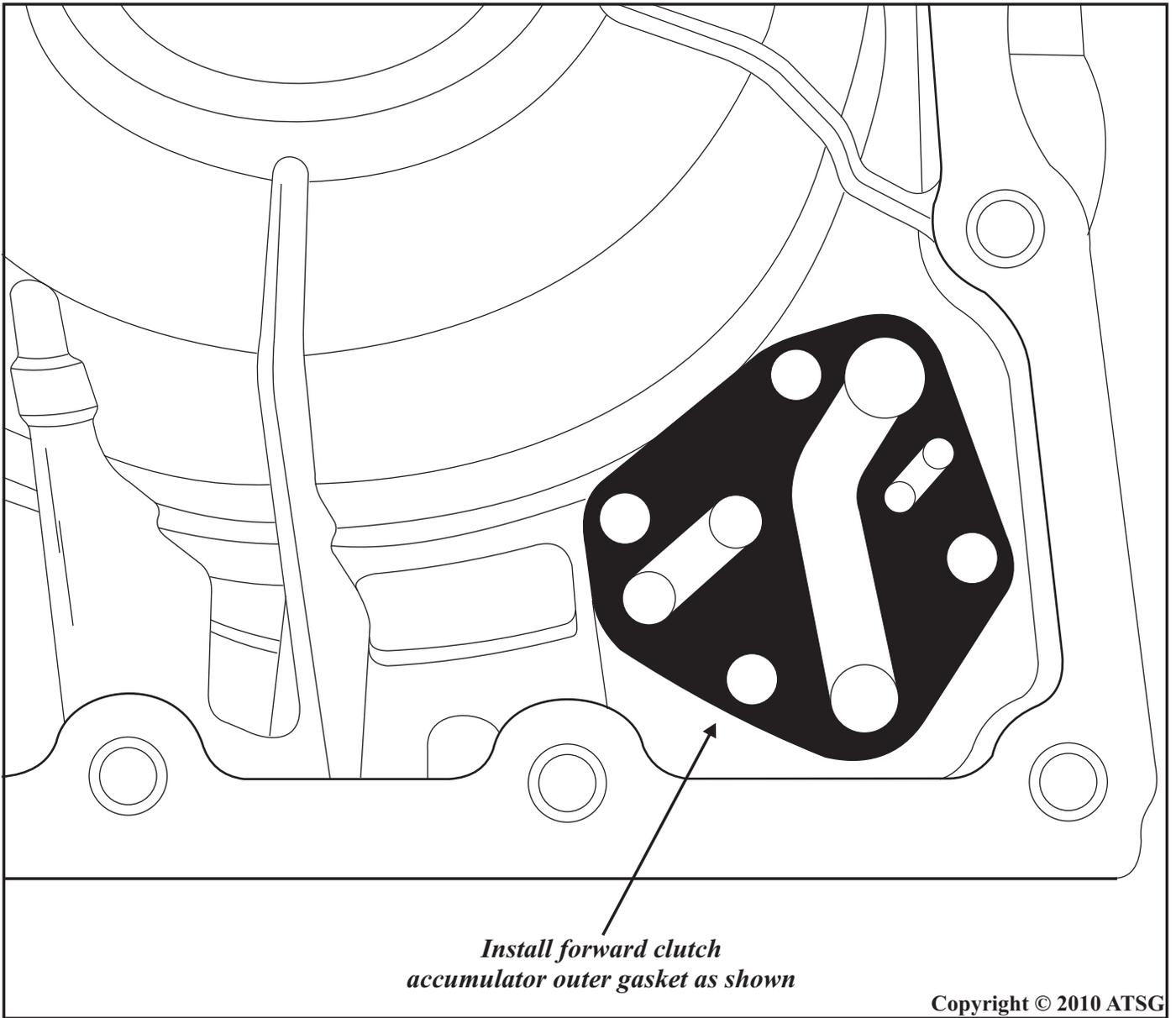


Figure 2

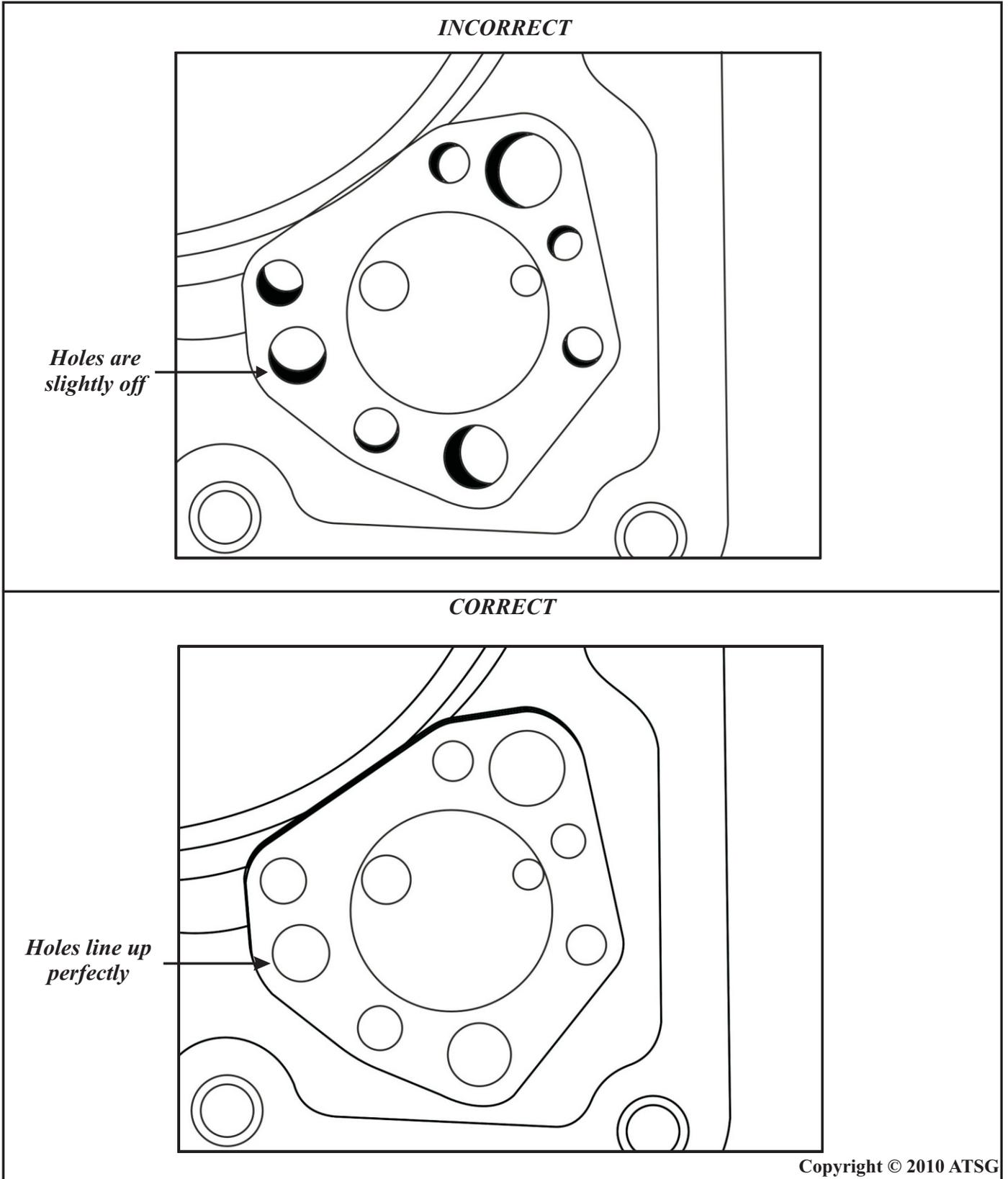


Figure 3