

**ALLISON 1000/2000 SERIES****NO FORWARD MOVEMENT - TRANSMISSION OVERTEMP**

COMPLAINT: A truck with an Allison 1000/2000 Series Transmission may have complaints of the transmission overheating and may be accompanied by a no forward movement condition, reverse operates normally.

CAUSE: The Ground Sleeve (Stator Shaft) has rotated out of position due to stripped threads in the pump cover. This rotation can connect the "Cooler In" circuit to the "Cooler Out" circuit thereby reverse cooler flow. The shaft rotation can also mis-align the C1 Clutch feed passage in the pump cover which will prevent the clutch from applying, Refer to Figure 1.

CORRECTION: One method of repairing this condition is to secure the stator shaft to the pump cover assembly by drilling a hole between the bottom and center ring lands on the pump cover into and through the open center area of the stator shaft using a #8 (.1990") Wire Gauge Drill Bit (See Figure 2). Then thread the hole with a 1/4" X 20 Tap, Refer to Figure 3.
Next, install a 1/4" x 20 Allen Head Set Screw 3/8" in length and not to exceed 7/16" in length into the threaded hole using a thread lock product to insure the screw will not move (See Figure 4).

Many thanks to Nick G. from New York.

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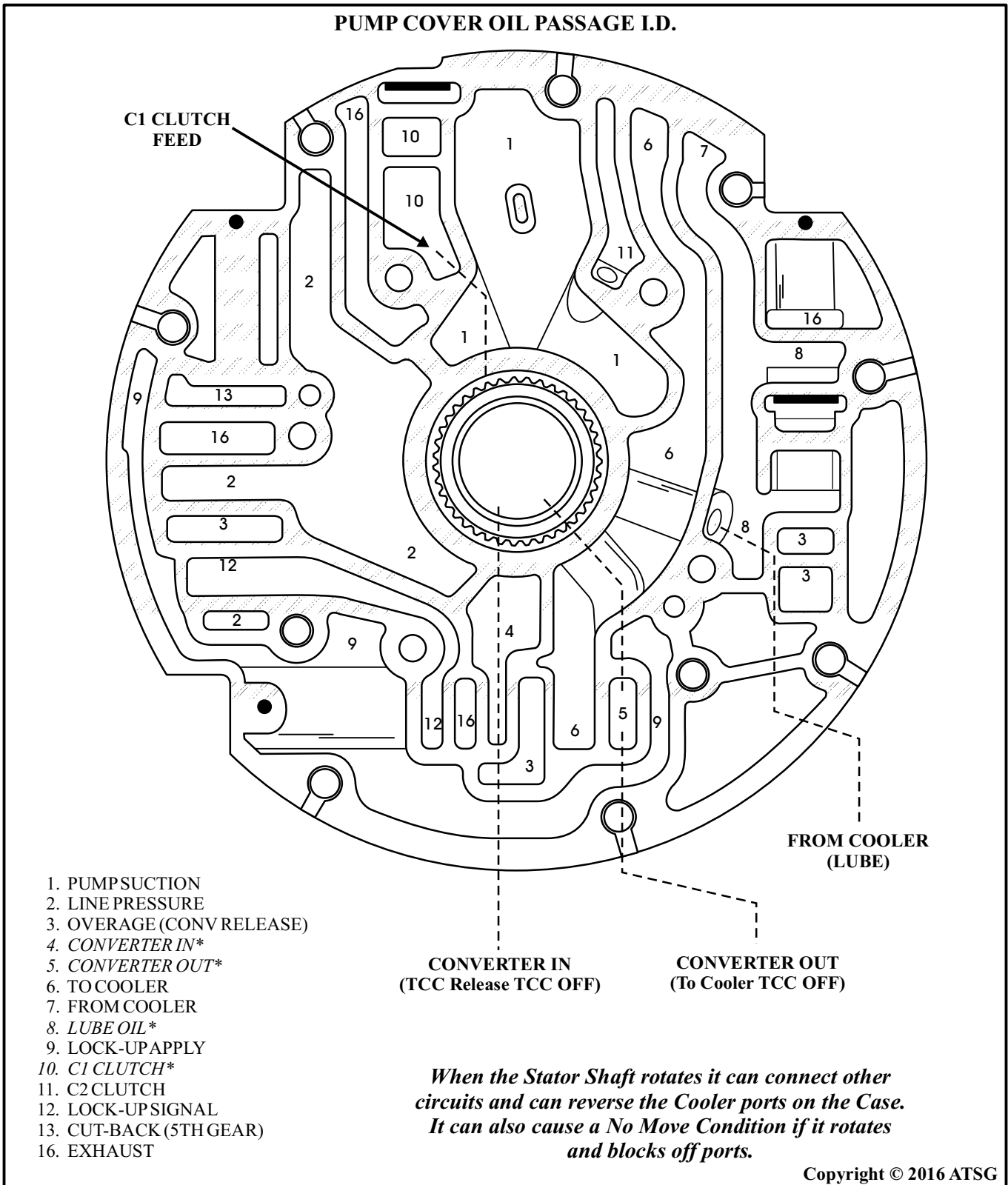


Figure 1
Automatic Transmission Service Group

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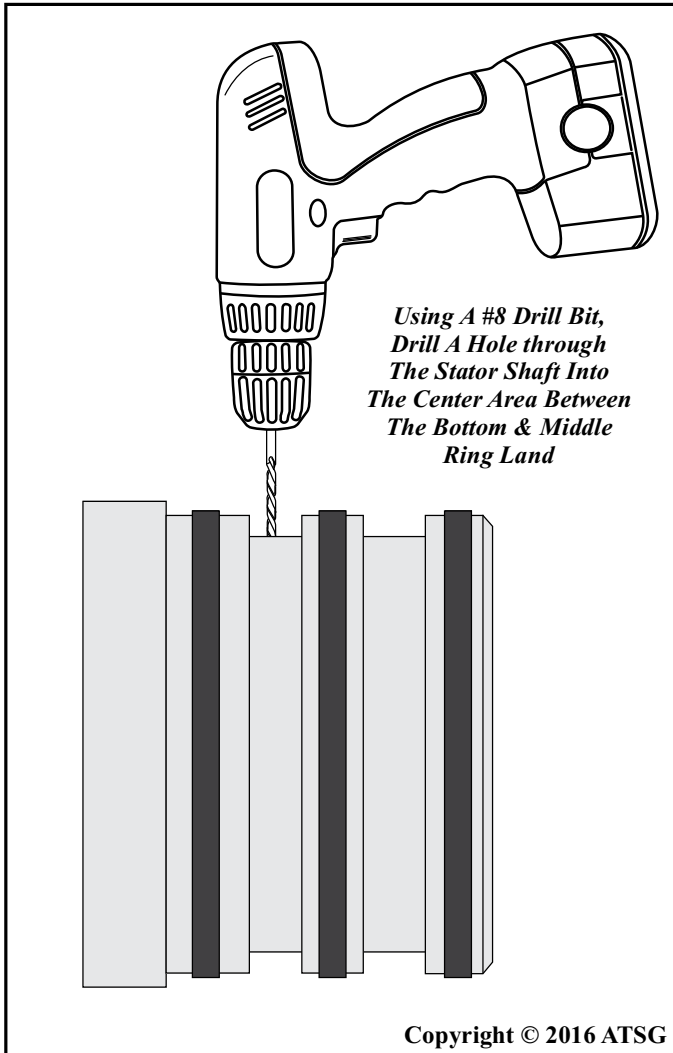


Figure 2

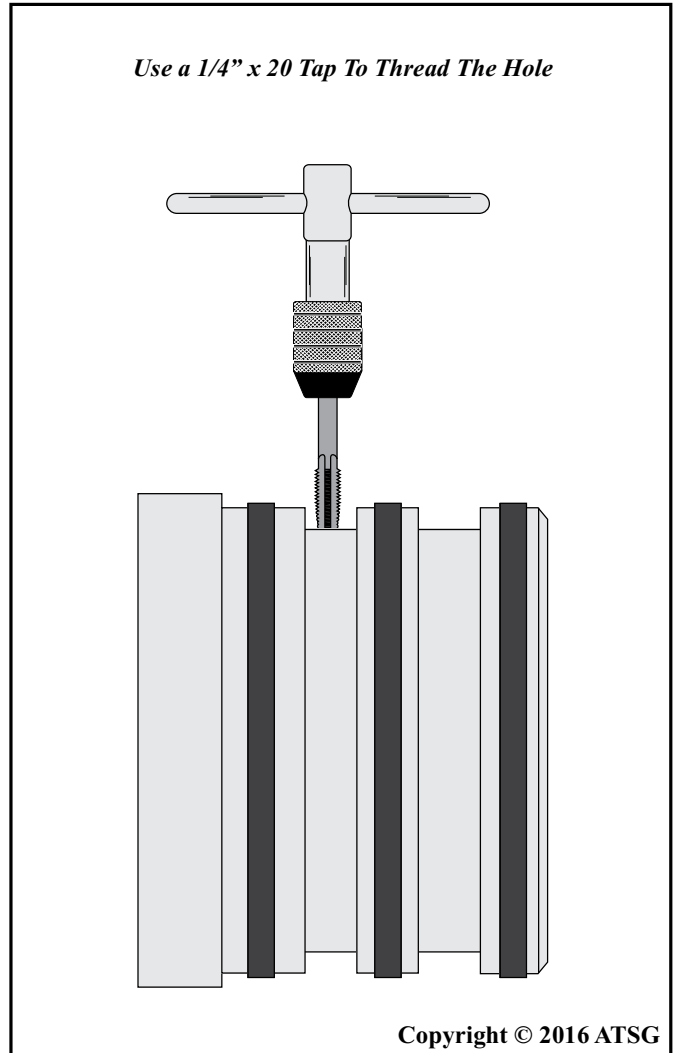


Figure 3

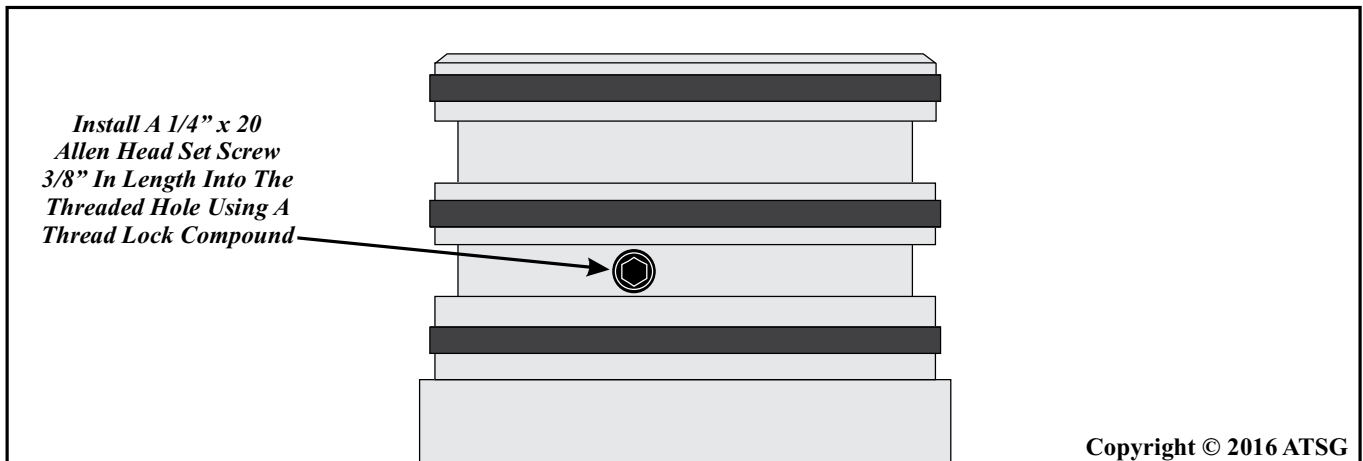


Figure 4