



Technical Service Information

FORD / MAZDA 4F27E / FN4A-EL DTC P0741, TCC STUCK "OFF"

COMPLAINT: Ford or Mazda vehicles equipped with the 4F27E or FN4A-EL transaxles, may exhibit a trouble code P0741 Torque Converter Clutch Stuck "OFF" trouble code, before or after overhaul.

CAUSE: The cause may be, the bushings in the rear of the Pump Stator are worn causing a loss of Converter apply oil, as shown in the cut-away in Figure 1 , when the TCC is applied.
NOTE: When the stator bushings wear, Torque Converter Clutch Apply pressure will be exhausted thru the already exhausting Torque Converter Release pressure.

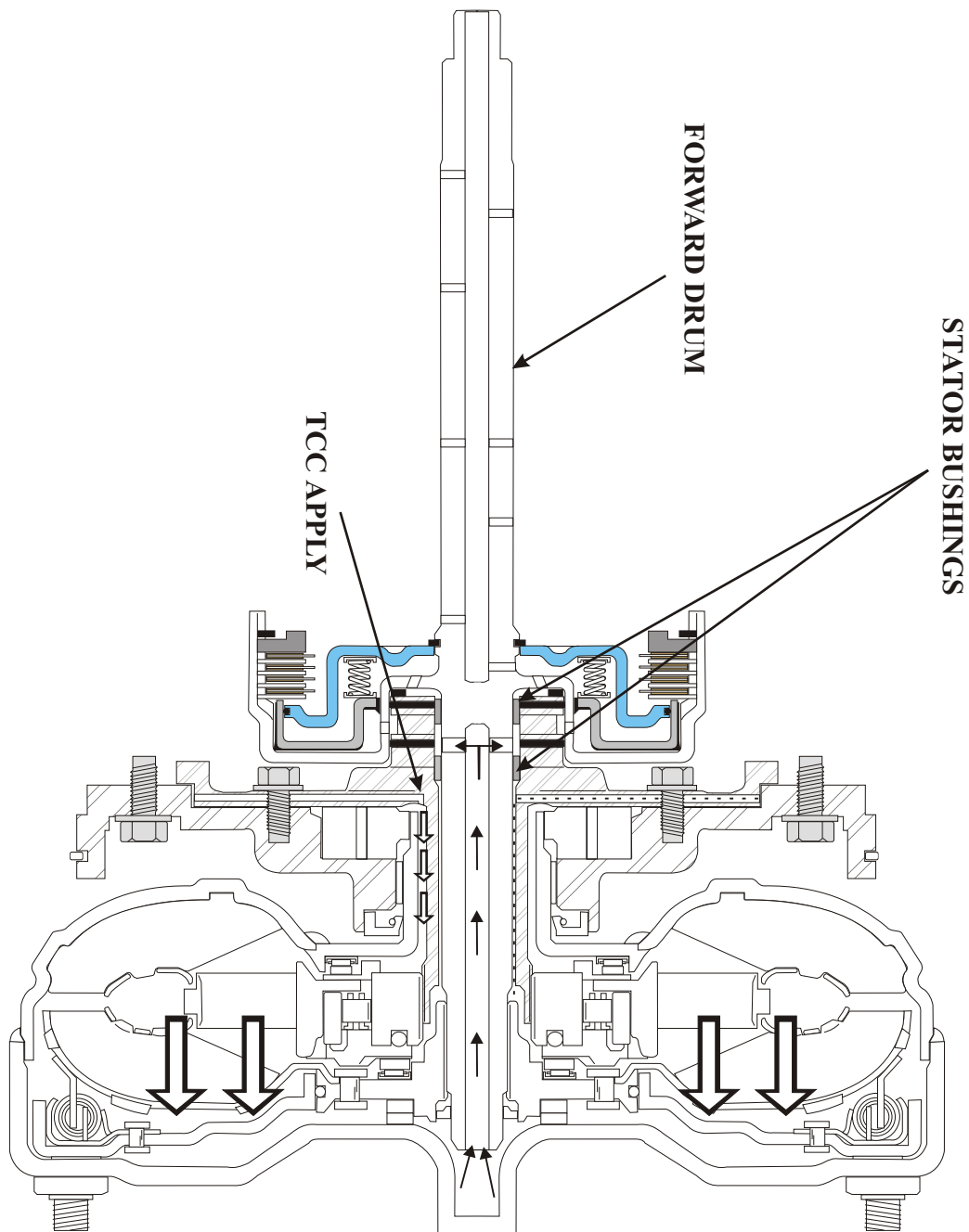
CORRECTION: Refer to Figure 2 for the identification of the Turbine shaft and Stator passages. Refer to Figure 3 to air check the Turbine Shaft to ensure that the bushings are worn. Refer to Figure 4 for the location of the Stator bushings. If stator does not pass the air check as shown in Figure 3, the stator bushings must be replaced.

SERVICE INFORMATION:




PUMP ASSEMBLY (Ford Part number).....3S4Z-7A103-AA
STATOR BUSHINGS (Sonnax Part number).....46000-01K

*Special thanks to
Newark, Delaware Deltrans*

TORQUE CONVERTER APPLIED



NOTE: Wear in the Stator bushings may cause a loss of TCC Apply Pressure to the already exhausting TCC Release Pressure, creating TCC slip.

LEGEND	
	TCC APPY PRESSURE
	TCC RELEASE PRESSURE
	TO COOLER

Copyright © 2008 ATSG

Figure 1

STATOR PASSAGE IDENTIFICATION

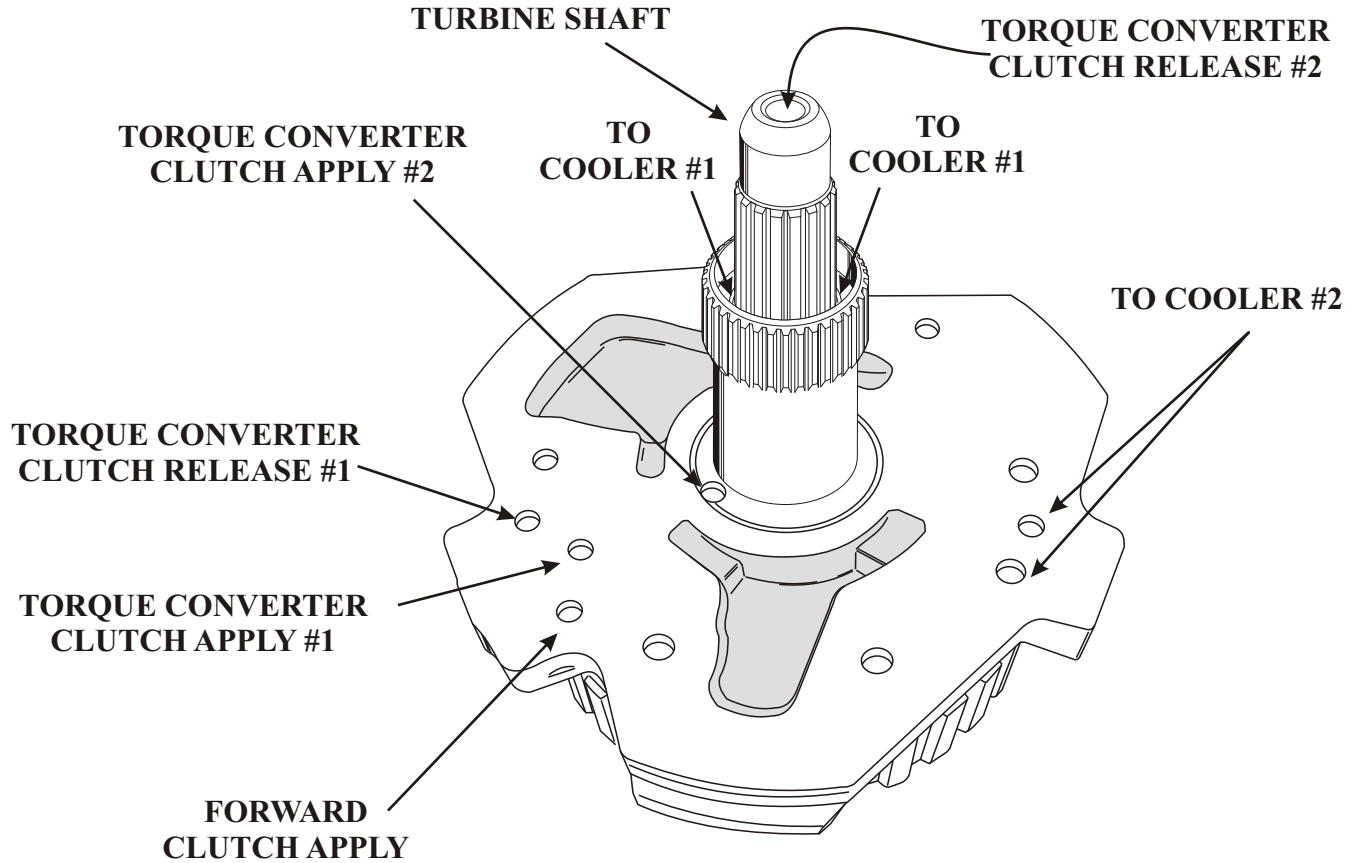
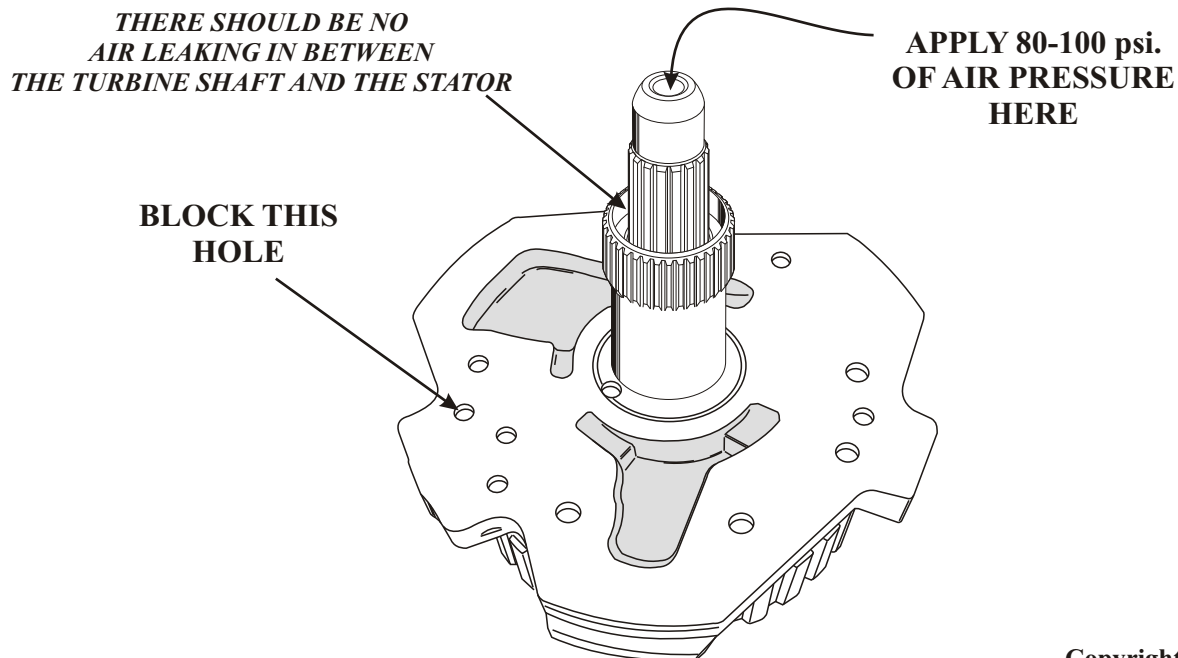


Figure 2

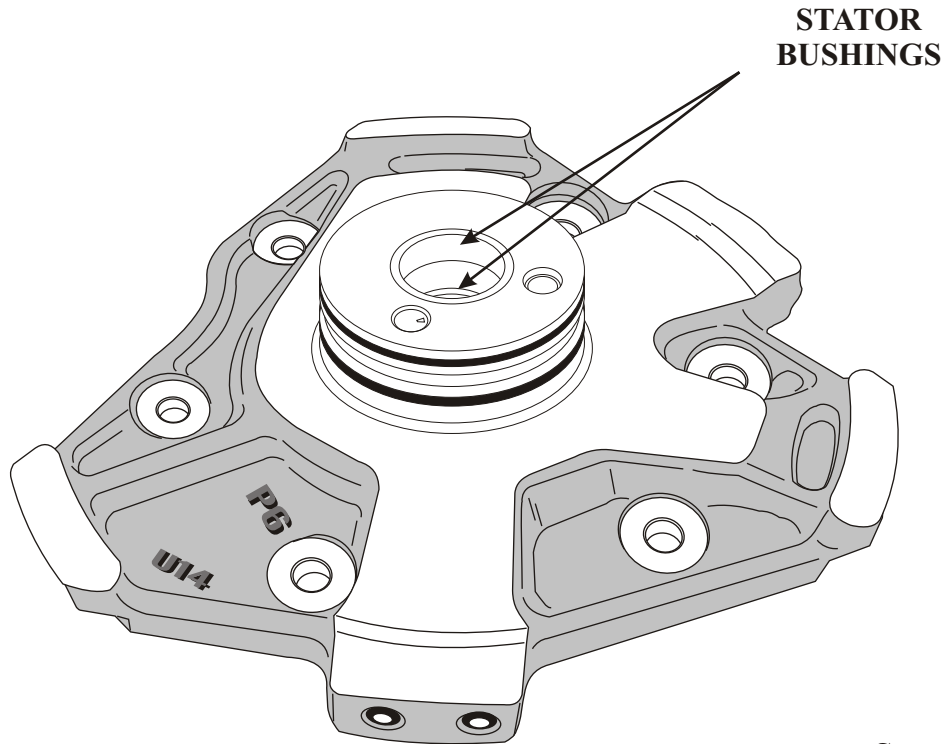
AIR CHECKING THE STATOR BUSHINGS



Copyright © 2008 ATSG

Figure 3

STATOR BUSHING LOCATIONS



Copyright © 2008 ATSG

Figure 4