



TOYOTA A140/A240/A340/A540 SERIES TRANSMISSIONS REPEATED TROUBLE CODE DTC P0770

COMPLAINT: Before or after overhaul, a Toyota vehicle equipped with the A140/A240/A340/A540 series transmission may exhibit a complaint of MIL illuminated with trouble code DTC P0770 stored in memory. This problem may be intermittent occurring after extended driving periods.

CAUSE: One cause may be a worn front stator bushing. The front stator bushing in the Toyota A140/A240/A340/A540 transmission separates converter apply oil pressure and converter release oil pressure. When the front stator bushing is worn and TCC is applied, torque converter apply oil pressure will be able to pass between the bushing and the turbine shaft into the converter release passage and will exhaust through the stator causing a drop in converter apply pressure such that the converter clutch may no longer have the ability to hold adequately. The PCM detects the slip and stores the DTC P0770.

Refer to Figure 1 for diagram of front stator bushing location. Look at the partial cutaway diagram as shown in Figure 2. The diagram depicts how converter apply oil pressure passes between the bushing and turbine shaft and exhausts along with converter release pressure.

CORRECTION: Install a new front stator bushing.

NOTE: *Toyota A140/A240/A540 series transmissions purchase a new factory bushing from Transtar.*

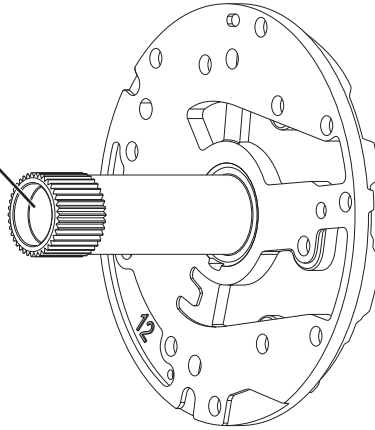
Toyota A340 series transmissions purchase a new bushing from Omega Machine & Tool inc.

SERVICE INFORMATION:

Transtar Toyota A140/A240/A540 series.....46007-A

Omega Machine & Tool inc. Toyota A340 series.....27428

FRONT STATOR
BUSHING LOCATION



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Figure 1

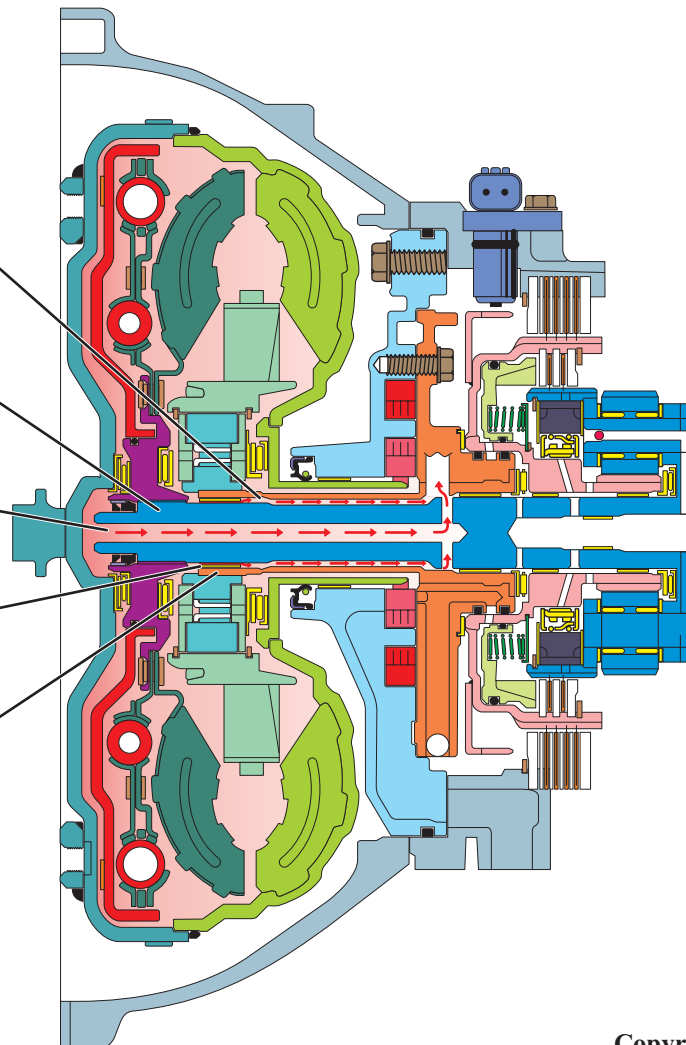
CONVERTER APPLY
PRESSURE LEAKING
PAST BUSHING

TURBINE
SHAFT

CONVERTER
RELEASE OIL
PRESSURE

FRONT STATOR
BUSHING

STATOR



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Figure 2