



#04-07-30-034: Service Engine Soon (SES) Light On, Diagnostic Trouble Code (DTC) P0741, Torque Converter Clutch (TCC) Excessive Slip, Transaxle Chuggle, Slip/Surge (Inspect/Replace Internal Transaxle Components) - (Aug 6, 2004)

Subject: Service Engine Soon (SES) Light On, Diagnostic Trouble Code (DTC) P0741, Torque Converter Clutch (TCC) Excessive Slip, Transaxle Chuggle, Slip/Surge (Inspect and/or Replace Various Internal Transaxle Components)

Models: 1998-2002 Cadillac Eldorado
1998-2004 Cadillac Seville
1999-2004 Cadillac DeVille
2000-2003 Oldsmobile Aurora
with 4T80-E Auto Transaxle (RPO MH1)

Condition

Some customer may comment on the SES light on and a chuggle or surge. Diagnostics may show excessive TCC slip speed and DTC P0741 will be current code stored.

Cause

Seal damage may allow the TCC apply fluid to leak into the channel plate, causing excessive TCC slippage under certain conditions, eventually causing no TCC apply.

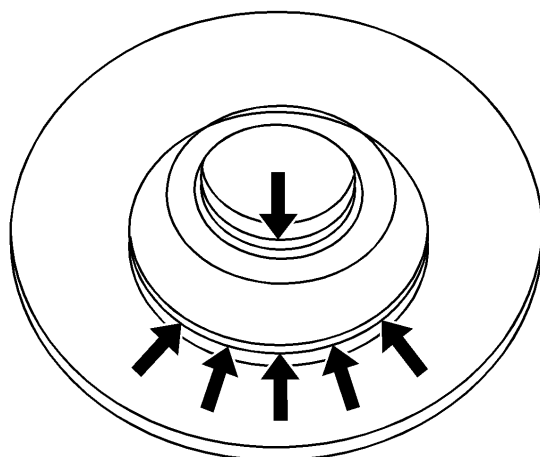
TCC may have partial apply fluid pressure or no apply fluid pressure. If excessive slip speed is noted and condition/cause cannot be corrected by using DTC P0741 diagnostic chart, suspect worn seals from slippage of the drive sprocket bearing inner race on the drive sprocket.

Correction

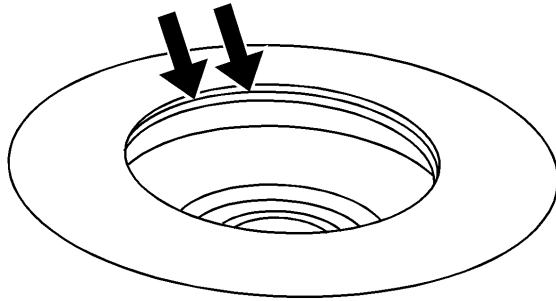
DO THIS	DON'T DO THIS
Repair the transaxle	DO NOT replace the complete transaxle assembly

Follow the diagnostic and repair procedure below to repair this condition.

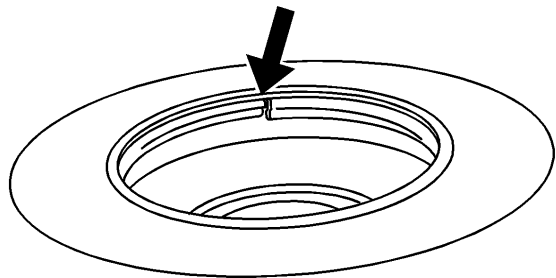
1. Remove the transaxle from the vehicle. Refer to the appropriate Service Information for transaxle removal procedure.
2. Remove the torque converter.
3. Install the transaxle to holding fixture. Refer to Holding Fixture Installation SI Document ID #513730.
4. Remove the transaxle side cover, upper valve body and case cover. Refer to the appropriate Unit Repair Information in SI.



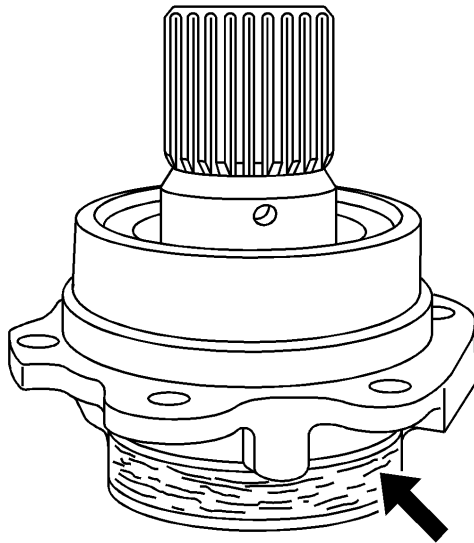
5. Inspect the two case cover seals (34 and 35) for uneven wear patterns.



6. Inspect the two case cover seals (34 and 35) for uneven wear patterns. The wear patterns will be evident by a uneven wear pattern of the inner diameter white seal surface as shown in the two above illustrations.



7. Inspect the two case cover seals (34 and 35) for splits/tears and or flat spots.



8. Inspect the support drive socket (400) for wear on the bearing race.
9. Inspect the case cover (33) for wear or damage due to the drive sprocket bearing spinning in the bore.

Important:

- During the tear down inspection, pay particular attention to seals (34, 35, 409 and 412) for wear or damage.
- Seals (34, 35, 409 and 412) are part of Gasket Kit, P/N 24221398, and do not need to be ordered separately.
- Replace the Torque Converter when servicing a vehicle with this condition.
- Flush the transaxle cooler with Transflow cooler flushing tool, J 45096. Refer to Service Bulletins:
- Info - Automatic Transmission Oil Cooler Flush and Flow Test Essential Tool J 45096, TransFlow #02-07-30-052
- Transmission Cooling System Service Tool J 45096 - Transflow Information #03-07-30-002.

10. Replace only the necessary internal transaxle components per the tear down inspection. See the parts list below.

Parts Information

Part	Description	Qty
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Number		
24221398	GASKET KIT, A/TRNS SERV	1
24229131	COVER, A/TRNS CASE	1
8681071	SUPPORT, DRV SPKT	1
24209248	CONVERTER, TORQ (REMAN) (TCC) (04.115) 4.6Y (LD8), 4-SPD A/TRANS (MH1)	1
24209249	CONVERTER, TORQ (REMAN) (TCC) (04.115) 4.6-9 (L37), LEADED FUEL EMIS EXPORT (NM8), UNLEADED FUEL EXPORT (NN8), 3.71R (FV4), (EXC JAPANESE PCM (R1N)	1
24209250	CONVERTER, TORQ (REMAN) (TCC) (04.115) 4.6-9 (L37), 4-SPD A/TRANS (MH1) 3.71R (FV4)	1