



File In Section: 07 - Transmission/Transaxle

Bulletin No.: 06-07-30-016

Date: July, 2006

Service Bulletin



TECHNICAL

Subject: 4L60-E, 4L65-E Automatic Transmission Fluid Leak from Oil Pump or Bell Housing Area (Remove Small Burrs On Torque Converter Hub, Pump Drive Slots and Replace Torque Converter Hub-to-Oil Pump Seal Assembly (243))

Models: 2006 Buick Rainier
2006 Cadillac Escalade, Escalade ESV, Escalade EXT
2006 Chevrolet Colorado, Corvette, Express, Silverado, SSR, TrailBlazer
2006–2007 Chevrolet Avalanche, Suburban, Tahoe
2006 GMC Canyon, Envoy, Savana, Sierra
2006–2007 GMC Yukon
2007 GMC Yukon XL
2006 Pontiac GTO
2006 HUMMER H2, H3
2006 Saab 9-7X
with 4L60-E or 4L65-E Automatic Transmission (RPOs M30 or M32)

Condition

Some customers may comment on an automatic transmission fluid leak. Upon further investigation, the technician may find fluid leaking from the oil pump or bell housing area. This leak may be very slight with only dampness of one or two drops of ATF observed at the bottom of the bellhousing.

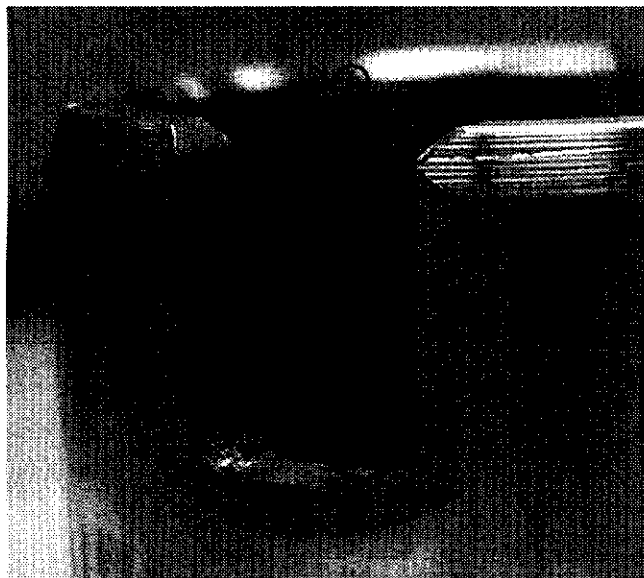
Cause

Investigation of 2006 transmissions has shown small scratches or cuts in the torque converter hub-to-pump seal (243). These scratches or cuts may be caused by small burrs on the torque converter hub, pump drive slots.

Correction

Verify that the leak is coming from the oil pump or bell housing area by the use of oil dye in the transmission. Refer to Fluid Leak Diagnosis in SI. Clean the transmission suspected area of all residual oil and drive the vehicle to see if the dye begins to appear. If this is a vehicle with very low mileage and it appears to have a small leak, it could have assembly oil in the bell housing which is not truly a leak.

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Once the dye has started to appear, disassemble and inspect for small cuts in the torque converter hub-to-oil pump seal assembly (243). The cuts may be caused by small burrs on the torque converter hub, oil pump drive slots. The burrs can be seen or felt with your finger and if found, the burrs should be removed with a file. Also replace the oil pump seal assembly. Refer to the above illustration (1). **Do not** replace the torque converter for this concern.

The torque converter hub-to-oil pump seal assembly leak caused by these cuts is typically very small, causing only a few drops of fluid loss.

Parts Information

Part Number	Description	Qty
24202535	Oil Pump Seal Assembly	1

Warranty Information (excluding Saab U.S. Models)

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
K7100	Seal, Transmission Oil Pump – Replace	Use Published Labor Operation Time
K9508*	Inspect and/or Remove Burrs On Torque Converter Hub, Pump Drive Slots	0.1 hr

*This labor operation number is for bulletin use only. This number will not be published in the Labor Time Guide.

Warranty Information (Saab U.S. Models)

For vehicles repaired under warranty, use:

Labor Operation	Description	Failed Object	Fault/Reason Code	Location Code	Warranty Type	Repair/Action Code	Labor Time
4417002 Engine Code S	Pump Gasket and/or O-Ring Seal – R&R or Replace	44170	50	0	01	01	Use Published Labor Operation Time
4417003 Engine Code M	—	—	—	—	—	—	Use Published Labor Operation Time
4417004	Inspect and/or Remove Burrs On Torque Converter Hub, Pump Drive Slots	—	—	—	—	—	0.1 hr

