



NUMBER: 21-015-05

GROUP: Transmission

DATE: September 01, 2005

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SUBJECT:

45RFE / 545RFE Trans - Delayed Engagement Due To Cooler Return Filter Replacement

OVERVIEW:

This bulletin involves a transmission delayed shift condition that may occur following the replacement of the internal cooler return filter.

MODELS:

| | | |
|-------------|-----------|----------------|
| 2000 - 2004 | (AN) | Dakota |
| 2000 - 2003 | (DN) | Durango |
| 2003 - 2006 | (DR) | Ram Truck |
| 2004 - 2006 | (HB) | Durango |
| 2002 - 2006 | (KJ) | Liberty |
| 1999 - 2004 | (WJ / WG) | Grand Cherokee |
| 2005 - 2006 | (WK / WH) | Grand Cherokee |
| 2006 | (XK) | Commander |

NOTE: This bulletin applies to vehicles equipped with a 45RFE or a 545RFE automatic transmission (sales code DG4 or DGQ respectively).

DISCUSSION:

The customer may experience an initial delayed shift engagement following an extended off (not running) period of time, generally after being parked overnight. The initial shift engagement may feel like a delay or slip when a transmission gear (reverse or drive) is first selected after engine start.

The customer may not have experienced the delayed shift engagement until after the transmission has been **serviced**, where the cooler return filter was replaced during the service and/or repair.

The condition is not detrimental to the transmission but may cause concern with the customer.

The above condition may be caused by a suspect cooler return filter a part number of **04799662AB**. This “**AB**” suffix / level filter may allow transmission fluid to drain back out of the torque converter. The drain back condition may occur over a period time when the

engine (and transmission) are not running. With less fluid in the torque converter a delay in gear engagement may occur at engine start up while the torque converter fills to its proper fluid level.

All 04799662AB cooler return filters with the "AB" suffix are suspect. The above condition may be corrected by replacing a suspect "AB" filter with a new cooler return filter whose part number is 04799662 (with no suffix or with a suffix that is other than the "AB" level).

NOTE: The cooler return filter, p/n 04799662, will not be available until September 09, 2005. The filter part number is stenciled on the side of the filter case.

NOTE: A replacement 04799662 cooler return filter may come packaged with a separate threaded adapter stud. The threaded adapter stud is used to attach the cooler return filter to the transmission. Inspect the stud and note end without threads. Install the stud end without the threads into the cooler return filter and tighten the stud-to-filter connection to 18.6 Nm (165 in. lbs.). Once the threaded adapter stud has been installed to the cooler return filter, install the assembled cooler return filter to the transmission and tighten the filter to 14.1 Nm (125 in. lbs.)

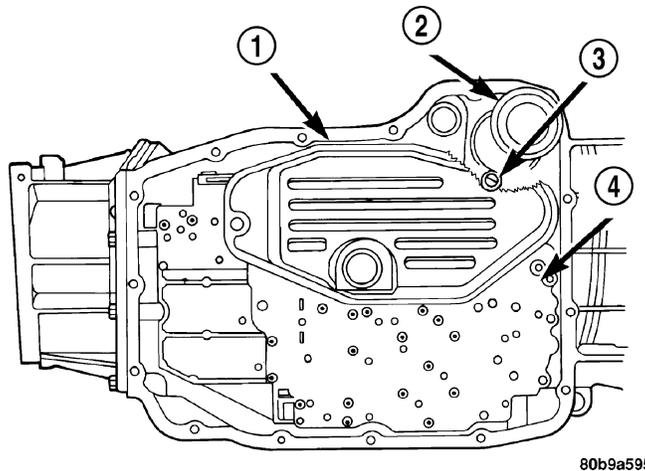


Fig. 1 Transmission Filters - 4X4 Shown

- 1 - PRIMARY OIL FILTER
- 2 - COOLER RETURN FILTER
- 3 - COOLER RETURN FILTER BYPASS VALVE
- 4 - VALVE BODY

POLICY:
Information Only