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April 23, 2010

**TO:** ALL DODGE DEALERS  
**FROM:** TECHNICAL SERVICE OPERATIONS  
**SUBJECT:** RAPID RESPONSE TRANSMITTAL #10-024  
Manual Transmission Pops Out Of Second Gear

**INVOLVED VEHICLES:**  
2010 (LC) Challenger

**NOTE:** This Rapid Response Transmittal applies to vehicles equipped with manual transmissions (sales code DEC)

**NOTE:** The VIN List is available on DealerCONNECT for all affected dealers. The VIN List has been inserted in the Service Tab under Rapid Response Transmittals. The dealers receiving the Rapid Response Transmittal Service Action are the "Ship To" dealers and the VIN's listed are specific to their dealership. All involved vehicles will be loaded into the VIP system.

**NOTE:** This should be a top priority and be completed prior to sale to avoid suspect vehicles being delivered to customers.

**DISCUSSION:**

Some vehicles may have a transmission that has an internal casting issue which could cause an interference condition when shifting into second gear. This interference condition can prevent the transmission from fully engaging into second gear causing the transmission to pop out of gear. Dealers are required to test for the condition and if necessary replace the transmission.

**PARTS REQUIRED:**

AR (1) 68058752AA Transmission, Manual  
AR (4) 05013457AA Fluid, ATF+4 Transmission

**NOTE:** Do not order transmissions unless required based on inspection.

**DIAGNOSIS:**

**NOTE:** With the exception of shifting the vehicle in/out of gear, the driver's hand must not rest on the gear shift lever at any time during this procedure.

**CAUTION:** This procedure must be performed in an area that will allow the vehicle to be accelerated and decelerated several times safely.

1. Drive the vehicle to an area where the vehicle can be accelerated and decelerated safely.

2. Lightly accelerate the vehicle in first gear, then shift to second gear at 25 mph (make sure to avoid 1-4 skip shift feature which activates at 19 – 21mph). Lightly grip shift knob - do not try to hold shifter in gear.
3. Lift throttle and allow vehicle to coast down with clutch engaged (i.e. clutch pedal up) to 20 mph.
4. Depress clutch pedal, shift from second to first then, to second (clutch pedal remains depressed during this cycle).
5. Normally re-engage the clutch (let the clutch pedal up).
6. Do not accelerate. Allow the vehicle to continue to coast.
7. Continue to repeat steps 4 and 5 until the vehicle has decelerated to 10 mph (approximately 4 total shift sequences).
8. Repeat steps 2 through 7.
9. Does the transmission jump out of second gear?
  - A. **YES** – Proceed with the repair procedure.
  - B. **NO** – Return vehicle to inventory.

**REPAIR PROCEDURE:**

1. Replace the transmission. Refer to the Removal/Install procedures available in DealerCONNECT>TechCONNECT under: Service Info>21 – Transmission and Transfer Case>Manual, TR6060.
2. Fill Transmission with 3.4 qts. (3210 ml) of Mopar ATF+4 transmission fluid (p/n 05013457AA).

**POLICY:** Reimbursable within the provisions of the warranty.

**NOTE:** If transmission replacement is required, the vehicle must be diverted to auction. Contact your Customer Relations Manager for further instructions regarding diversion to auction.

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**NOTE: USE OF THE LABOR OPERATION INCLUDED WITH THIS SERVICE ACTION ON VEHICLES OTHER THAN THOSE INVOLVED MAY BE SUBJECT TO CHARGE BACK.**

**TIME ALLOWANCE:**

**LABOR OPERATION NO:**

21-00-03-A1	Diagnosis of Transmission Pops Out of Second Gear (B)	0.4 Hrs.
21-00-03-A2	Diagnose and Replace TREMEC TR6060 Manual Transmission (B)	2.9 Hrs.

**FAILURE CODE:** ZZ - Service Action

If you have any questions, contact your Business Center.