



Service Bulletin

PRELIMINARY INFORMATION

Subject: Replace The Internal Transmission Wiring Harness and TCC Enable Solenoid Anytime The Transmission Is In For Service - Malfunction Indicator Lamp (MIL) With DTC P0741 Set and Harsh 1-2 Shift Vehicles Manufactured After 10/01/11

Models: 2012 Chevrolet Colorado, Express, Silverado
2012 GMC Canyon, Savana, Sierra
All Equipped with Automatic Transmission 4L60E (RPO M30). Built after 10/01/11

This PI was superseded to update recommended field. Please discard PIP5009F.

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition/Concern

Some customers may comment that the malfunction indicator lamp (MIL) is illuminated and the vehicle has a harsh 1-2 shift. Upon further investigation technicians may find DTC P0741 set as a current or history code in the transmission control module (TCM). This PI applies to 2012 vehicles manufactured after 10/01/11.

Recommendation/Instructions

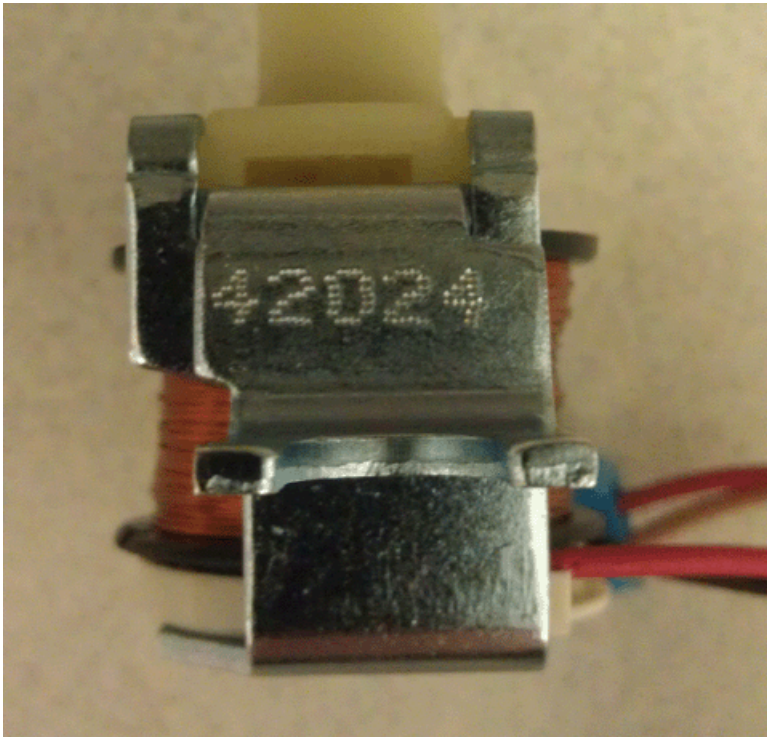
Important: Replace the TCC Enable Solenoid and Wire Harness part number 24237980 anytime repairs are being performed on the transmission on vehicles manufactured after 10/01/11.

Note: To prevent multiple TCC Enable Solenoid and Wire Harness replacements check the five digit date code on the TCC Enable Solenoid body to see if it has been replaced.

The first digit (month of build) should be a 4 or higher or an alpha character. The second and third digits are the day of the month. The fourth digit should be a 2 or 3 (calendar year 2012, 2013).

The fifth digit (line of build) should be a numeric character typically a 3 or 4 Example: 42024 shown in the picture below was produced April 20, 2012 on line 4.

Any solenoid produced on or after April 17, 2012, date code of 4172# or greater, does not need to be replaced.



For vehicles with DTC P0741 follow the following 5 steps. For all other transmission repairs follow published diagnostics and replace the TCC Enable Solenoid and Internal Wiring Harness part number 24237980.

1. With a scan tool verify the presence of DTC P0741 and clear the DTC.
2. Remove the oil pan.
3. Remove the TCC Enable Solenoid and the internal wiring harness from the transmission.
4. Stroke the Converter Clutch Valve (224) in the pump cover; the valve should freely stroke at least 3/8 of an inch. If the valve strokes at least 3/8 of an inch move to step 5. If the valve does not stroke or move freely, remove Retaining Ring (222) and Valve Stop (223) to gain access to the Converter Clutch Valve. Remove the Converter Clutch Valve from the Pump Cover and inspect the valve and bore for debris and or damage.
5. Install a new TCC Enable Solenoid and Internal Wiring Harness part number 24237980.

Warranty Information

For vehicles repaired under warranty use:

Labor Operation	Description	Labor Time
K6554	Automatic Transmission Wiring Harness Replacement.	Use Published Labor Operation Time

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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