Bulletin No.: PI1448A

Date: Apr-2015

Service Bulletin

PRELIMINARY INFORMATION

Subject: Service Transmission Light Flashing and/or Malfunction Indicator Lamp (MIL) On and DTC P0705 Set

Models: 2014-2015 Cadillac CTS Sedan (VIN A)
Equipped with Aisin 8 Speed Automatic Transmission (RPO MGG)
Built Prior to February 15, 2015

Attention: This PI also applies to any of the above models that may be Export vehicles.

This PI has been revised to add Step 6 and 10 under Recommendation/Instructions and update the Parts and Warranty Information. Please discard PI1448.

Condition/Concern

Some customers may comment on a malfunction indicator lamp (MIL) on or that the Service Transmission light is flashing. Customers may also comment that the shifter does not seem to shift correctly into each range. The technician may find DTC P0705 set or in history in the TCM.

Note: Technicians may also find "U" codes set but not consistent on which ones set or which module they set in.

Recommendation/Instructions

Replace the transmission range selection lever and cable with the new parts listed in the Parts Information and adjust the shift linkage following the steps below

1. Apply the park brake.
2. Shift the transmission into Neutral.
3. Raise the vehicle.
4. Disconnect the transmission range selector cable from the range selector cable lever ball stud.
5. Remove the transmission range selector cable lever nut.

   Warning: Hold the transmission range selector lever while removing or installing the lever retaining nut. Failure to hold the lever can cause damage to the transmission internal park system components which could allow the vehicle to roll when placed in the park position.
6. Remove the transmission range selector lever cable. Refer to Range Selector Lever Cable Replacement in SI.
7. Remove the transmission range selector cable lever.
8. Install the new transmission range selector cable lever.
9. Install the transmission range selector cable lever nut.

   Tighten: Tighten the nut to 30 Y (22 lb ft).
10. Install the new transmission range selector lever cable.
11. Lower the vehicle and place transmission in the Park position.
12. Raise the vehicle.
13. Verify the transmission range select lever and transmission manual shift lever are in the Park position.
14. Depress the adjuster clip inboard, locking the adjuster clip completely.
15. Ensure that the cable adjuster clip is secured with retaining collar covering the adjuster clip.

16. Check the transmission range select lever in all gear selections for proper operation.
17. Clear DTCs.

Parts Information

Part Number	Description
23317359	LEVER ASM-A/TRNS RANGE SEL
23483165	CABLE ASM-A/TRNS RANGE SEL LVR

Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
8480188*	Transmission Range Selector Cable Lever and Adjust Range Selector Lever Cable	1.0 hr
*This is a unique Labor Operation for Bulletin use only. It will not be published in the Labor Time Guide.		

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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