GLOBAL SAFETY FIELD INVESTIGATIONS
DCS4196
URGENT - DISTRIBUTE IMMEDIATELY

Date: September 16, 2016

Subject: 33110 - Service Update
8-Speed Transmission Turbine Shaft Failure

Models: 2016 Chevrolet Camaro
Equipped with 3.6L V-6 & 8-Speed Transmission (LGX/M5T)

To: All Chevrolet Dealers

General Motors is releasing Service Update 33110 today. The total number of U.S. vehicles involved is approximately 21,018. Please see the attached bulletin for details.

**Global Warranty Management (GWM)**
The Investigate Vehicle History (IVH) screen in the GWM system will be updated September 16, 2016. A list of involved vehicles in dealer new inventory is attached to this message. Please hold all warranty transactions until the VIN appears in IVH.

END OF MESSAGE
GLOBAL SAFETY FIELD INVESTIGATIONS

# Service Update
## 33110 8-Speed Transmission Turbine Shaft Failure

**Reference Number:** N16203311

**Release Date:** September 2016
**Revision:** 00

| | |
|---|---|
| **Attention:** | This service update includes vehicles in dealer inventory and customer vehicles that return to the dealership for any reason. This bulletin will expire at the end of the involved vehicle's New Vehicle Limited Warranty period. |

| Make | Model | Model Year | | RPO | Description |
|---|---|---|---|---|---|
| | | From | To | | |
| Chevrolet | Camaro | 2016 | 2016 | LGX/M5T | 3.6L V-6 / 8-Spd Transmission |

Involved vehicles are marked "open" on the Investigate Vehicle History screen in GM Global Warranty Management system. This site should always be checked to confirm vehicle involvement prior to beginning any required inspections and/or repairs.

| | |
|---|---|
| **Condition** | When a commanded shift occurs outside of the expected transmission turbine speed window limits, the commanded shift monitor requests a driver defaulted 8th gear state. The torque associated with the default action results in broken turbine shaft. The calibration window (based on output speed) for the safety monitor (P16F3) is smaller than the calibration window for the driver initiated TAP downshift speed limit checks. |
| **Correction** | Reprogram the transmission control module. |

### Parts

No parts are required for this repair.

### Warranty Information

| Labor Operation | Description | Labor Time | Trans. Type | Net Item |
|---|---|---|---|---|
| 9102565 | Transmission Control Module Reprogramming with SPS | 0.5 | ZFAT | N/A |

### Service Procedure

**Note:** Carefully read and follow the instructions below.

- Do NOT attempt to order the calibration number from GM Customer Care and Aftersales. The calibration numbers required for this service procedure are programmed into control modules via a Multiple Diagnostic Interface (MDI) with the calibration update. If you cannot access the calibration, call the Techline Customer Support Center and it will be provided.
- Do NOT program a control module unless directed to by a service procedure or a service bulletin. If the ECU is not properly configured with the correct calibration and software, the ECU will not control all of the vehicle features properly.
- Ensure the programming tool is equipped with the latest software and is securely connected to the data link connector. If there is an interruption during programming, programming failure or ECU damage may occur.
- Stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage or loss of voltage will interrupt programming. When required, install the *EL-49642* SPS Programming Support Tool to maintain system voltage. If not available, connect a fully charged 12 V jumper or booster pack disconnected from the AC voltage supply. DO NOT connect a battery charger.
- Turn OFF or disable systems that may put a load on the vehicles battery such as; interior lights, exterior lights (including daytime running lights), HVAC, radio, etc.
- During the programming procedure, follow the SPS prompts for the correct ignition switch position.
- Clear DTCs after programming is complete. Clearing powertrain DTCs will set the Inspection/Maintenance (I/M) system status indicators to NO.

1. Install *EL-49642* SPS programming support tool.
2. Access the Service Programming System (SPS) and follow the on-screen instructions.
3. Perform the K71 Transmission Control Module Programming and follow the on-screen instructions.
4. Perform the K71 Transmission Control Module Setup and follow the on-screen instructions.

Copyright 2016 General Motors. All Rights Reserved.

5. With a scan tool, clear DTCs from the K71 Transmission Control Module.
6. Ignition OFF for 2 minutes.

**Dealer Responsibility**

Whenever a vehicle subject to this service update enters your vehicle inventory, or is in your facility for service in the future, and the vehicle is still covered under the New Vehicle Limited Warranty, you must take the steps necessary to be sure the service update correction has been made before selling or releasing the vehicle.

All new, used, GM Certified Used, courtesy transportation vehicles, dealer shuttle vehicles, etc. in dealers' possession and subject to this bulletin must be held and inspected/repaired per the service procedure of this bulletin before customers take possession of these vehicles. Involved vehicles must be held and not delivered to customers, dealer-traded, released to auction, used for demonstration, or any other purpose.

All GM Certified Used vehicles currently in the dealers' inventory within the Certified Pre-Owned Inventory System (CPOIS) will be de-certified and must be held and remedied per the service procedure in this bulletin. Upon submitting an accepted/paid warranty transaction in the Global Warranty Management (GWM) system, the vehicle can be re-certified for sale within the CPOIS system, or once again be used in the CTP program.

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 tools, equipment, 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 dealer for information on whether your vehicle may benefit from the information.

**We Support Voluntary Technician Certification**