

# Service Update

## 18089 TCM OBD Memory Diagnostic



Reference Number: N182149670

Release Date: May 2018  
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	Spark	2016	2018	MR8	CVT 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.

<b>Condition</b>	On certain 2016-2018 model year Chevrolet Spark vehicles equipped with CVT Transmission (RPO MR8), the transmission control module (TCM) does not illuminate the MIL, and does not set the code P0603 (control module long term memory fault), when a memory checksum error identifies there is a malfunction of the Battery Independent Non-Volatile Dynamic Memory (BINVDM). This memory is used to store permanent DTC's and data used to adapt transmission performance to the unique characteristics of the transmissions. <i>Note: The reason for this software change is not due to incidents of BINVDM malfunctions; rather, it is to ensure that the MIL is illuminated if such malfunctions do occur.</i>
<b>Correction</b>	Reprogram the TCM with updated software.

### Parts

No parts are required for this repair.

### Warranty Information

Labor Operation	Description	Labor Time	Trans. Type	Net Item
9103693*	Transmission Control Module (TCM) Reprogramming with SPS	0.4	ZFAT	N/A
9102966**	Module Programming Not Required	0.2	ZFAT	N/A

\* To avoid warranty transaction rejections, the SPS Warranty Claim Code(s) must be entered when submitting this transaction.

\*\* SPS Warranty Claim Code is NOT required when submitting this transaction.

### Service Procedure

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

- 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 control module 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.
- Clear DTCs after programming is complete. Clearing powertrain DTCs will set the Inspection/Maintenance (I/M) system status indicators to NO.
- If the Same Calibration/Software Warning is noted on the SPS Controller screen, do NOT attempt to program the module. No further action is required. Refer to the Warranty section of the bulletin and use labor operation code 9102966, Module Programming Not Required.

**Important:** Before beginning the programming event, be sure the computer is connected to the MDI/MDI2 through a USB cable. DO NOT DOWNLOAD the files wirelessly or via Bluetooth connection.

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1. Reprogram the Transmission Control Module (TCM). Refer to *Transmission Control Module Programming and Setup MR8* in SI.
  - The Transmission Fast Learn procedure is REQUIRED with this programming. If there is a pop-up in SPS indicating otherwise, ignore it and proceed with the Transmission Fast Learn as SI recommends.
2. Record SPS Warranty Claim Code on job card for warranty transaction submission.

### 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/repared 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.



GLOBAL SAFETY FIELD INVESTIGATIONS  
DCS4743  
URGENT - DISTRIBUTE IMMEDIATELY

Date: May 3, 2018

Subject: 18089 Service Update  
TCM OBD Memory Diagnostic

Models: 2016 – 2018 Chevrolet Spark with MR8 (CVT Transmission)

To: All General Motors Dealers

General Motors is releasing Service Update 18089 today. The total number of U.S. vehicles involved is approximately 58,768. Please see the attached bulletin for details.

**Global Warranty Management (GWM)**

The Investigate Vehicle History (IVH) screen in the GWM system will be updated May 4, 2018. A list of involved vehicles in dealer new inventory is attached to this message. Please hold all warranty transactions until IVH has been updated.

END OF MESSAGE  
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