

Service Bulletin

File in Section:

Bulletin No.: 17-NA-100

Date: September, 2017

INFORMATION

Subject: Identifying Non-GM ECM Calibration Use and Power-up Hardware Detection in

Duramax Diesel Engines Using GDS 2

Attention: In order to process an engine/transmission/drivetrain hard part Warranty Transaction,

the Service Personnel must retrieve and save the required GDS 2 screen shot

information as outlined below for the specific vehicle, before disassembly or removing the engine/transmission/drivetrain components from the vehicle. Always refer to the GM Service Policy and Procedures Manual for the latest GM Policy and Procedures

Information.

ĺ	Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
Diano	Branu.		from	to	from	to		
ĺ	Chevrolet	Silverado	2017	2018			LED	
ĺ	GMC	Sierra	2017	2018			L5P	

Involved Region or Country	North America, Israel

Information

General Motors Position on Aftermarket Power-Up Devices

General Motors does not support or endorse the use of devices or modifications that when installed, increase the engine horsepower and torque.

This bulletin outlines the procedures to identify the presence of non-GM (aftermarket) calibrations. GM recommends performing this check whenever a hard part failure is seen on internal engine, transmission, transfer case or rear axle components, and before disassembly, repair or replacement of an engine, transmission, transfer case or rear axle assembly under warranty. It is also recommended that the engine calibration verification procedure be performed whenever diagnostics indicate that an exhaust aftertreatment system component replacement is necessary.

Various Symptoms Caused by an Aftermarket Power-Up Kit or Hardware

- Poor performance
- Drivability concerns
- · Increased emissions
- · Knocking noise
- Engine damage
- · Smoke from exhaust

GDS2 Software Updates and Screen Views

GDS 2 Software updates are available when released and are indicated by the following prompt: *Diagnostic Package Updates Available*. Whenever this prompt is displayed, *press the Update (1) button* to download the latest available software version.

Typical GDS 2 screen views may vary due to Model Year, Model, Engine, Transmission and other Equipment, and for example if the view was saved as a "Report" or as a single screen shot .jpg, .jpeg or .png file. It also depends on the GDS 2 software version currently being used by the Service Technician.

GDS 2 Screen Shots Required by the Calibration Group — 2017–2018 Chevrolet Silverado Typical View of Screen Shots Generated as a Report

Notice: BEFORE authorizing any Duramax® diesel engine or transmission replacement, the Calibration Group will require copies of both of the following GDS 2 screens in the .jpg, .jpeg or .png file format:

Engine Control Module – Calibration History Screen

- · Navigate to:
 - ⇒ Module Diagnostics
 - ⇒ Engine Control Module
 - ⇒ Identification Information

- ⇒ Calibration History
- · On this screen, you should see:
 - ⇒ Calibration History Buffer
 - ⇒ Number of Calibration History events stored
 - ⇒ Calibration Part Number History
 - ⇒ Calibration Verification Number History
 - ⇒ Engine Calibration Part Number History X Counter



Global Diagnostic System 2

Calibration History

Vehicle Identification Number (VIN)		3T12TEY3HF100164		
Report Creation Date	2017	-03-07 11:39:33 EST		
Vehicle Configuration Property				
Make		GMC		
Model		Sierra		
Model Year		2017		
Engine identifier		6.6L (L5P)		
System Information Property				
VCI Serial Number	MDI: 221291	87		
Vehicle Session Creation Date	2017-03-07	11:19:41		
Test Start Time		7 11:39:26 EST		
Calibration History				
Control Module	Parameter Name	Value	Unit	
Engine Control Module	Calibration History Buffer	Unlocked		
Engine Control Module	Number of Calibration History Events Stored	10		
Engine Control Module	Calibration Part Number History 1	12683726		
Engine Control Module	Calibration Verification Number History 1	DC8D		
Engine Control Module	Engine Calibration Part Number History 1 Counter	1		
Engine Control Module	Calibration Part Number History 2	12683016		
Engine Control Module	Calibration Verification Number History 2	522D		
Engine Control Module	Engine Calibration Part Number History 2 Counter	1		
Engine Control Module	Calibration Part Number History 3	0		
Engine Control Module	Calibration Verification Number History 3	FFFF		
Engine Control Module	Engine Calibration Part Number History 3 Counter	127		
Engine Control Module	Calibration Part Number History 4	0		
Engine Control Module	Calibration Verification Number History 4	FFFF		
Engine Control Module	Engine Calibration Part Number History 4 Counter	127		
Engine Control Module	Calibration Part Number History 5	0		
Engine Control Module	Calibration Verification Number History 5	FFFF		
Engine Control Module	Engine Calibration Part Number History 5 Counter	127		
Engine Control Module	Calibration Part Number History 6	0		
Engine Control Module	Calibration Verification Number History 6	FFFF		
Engine Control Module	Engine Calibration Part Number History 6 Counter	127		
Engine Control Module	Calibration Part Number History 7	0		
Engine Control Module	Calibration Verification Number History 7	FFFF		
Engine Control Module	Engine Calibration Part Number History 7 Counter	127		
Engine Control Module	Calibration Part Number History 8	0		
Engine Control Module	Calibration Verification Number History 8	FFFF		
Engine Control Module	Engine Calibration Part Number History 8 Counter	127		
Engine Control Module	Calibration Part Number History 9	0		

4749840

Capture a photo of the Calibration History screen, verify all of the data listed above is on the photo as well as the VIN at the bottom of the screen.

 It may be required to scroll the screen and take multiple photos to capture all of the calibration history events. Save photo(s) and attach it to the email.

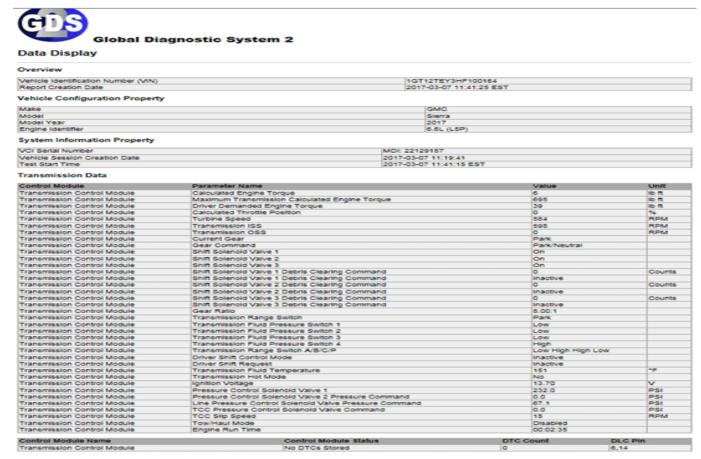
Note: Repeated "FFFF"s or "0000"s are harmless. They are place holders, and are not actual calibrations. It is not necessary to photograph extra screens containing only this type of calibration (FFFF's or 0000's).

Another option is to select the Create Report button in the upper right of the screen. Save the report and attach it to the email.

Notice: This is a typical GDS 2 report generated by selecting the "Create Report" button, and taken from a Model Year 2017 Silverado showing the VIN, Calibration History, Calibration Verification Number History and other Associated Parameters

Transmission Control Module (TCM) - Data Display

- Navigate to:
 - ⇒ Module Diagnostics
 - ⇒ Transmission Control Module
 - ⇒ Data Display
 - ⇒ Transmission Data
- · On this screen, you should see:
 - ⇒ Calculated Engine Torque
 - ⇒ Maximum Transmission Calculated Engine Torque



Capture a photo of the Data Display screen, verify all of the data listed above is on the photo as well as the VIN at the bottom of the screen.

· Save photo and attach it to the email.

Another option is to select the Create Report button in the upper right of the screen. Save the report and attach it to the email.

Notice: This is a typical GDS 2 report generated by selecting the "Create Report" button, and taken from a Model Year 2017 Silverado showing the: VIN and Maximum Transmission Calculated Engine Torque Parameter

Instructions for E-Mailing the Required Information and .jpg, .jpeg or .png Files to the Calibration Group

- 1. E-mail copies of the files to TACCVN@gm.com Note: Properly providing the requested information in Step 2 and Step 3 is extremely important.
- In the Subject line of the E-mail include the phrase "Duramax® diesel", the complete VIN and Service Agent BAC.

Important: DO NOT cut and paste the GDS 2 screen shots into the body of the e-mail. The .jpg, .jpeg or .png files must be sent as e-mail ATTACHMENTS.

- 3. In the *Body* of the E-mail include the following:
 - 3.1. Complete VIN
 - 3.2. Mileage

- 3.3. Job Card Number (R.O. Number)
- 3.4. Service Agent BAC.
- 3.5. Service Personnel Name (Manager or Technician)
- A complete and comprehensive description of the customer concern and cause of the concern
- 3.7. Include any additional information as to why the Service Personnel believes that there may be aftermarket calibrations or hardware installed on the vehicle.
- 4. When sending the e-mail to the Calibration Group, the .jpg, .jpeg or .png files *must be "attached" to the e-mail*, in order to properly validate the calibration.
- E-mails that are sent without all of the above information and attachments as outlined, may be returned to the sender with a request for the missing information.
- 6. Remember to review e-mail replies for further information from the Calibration Group.
- 7. The Service Agent will receive an e-mail reply from the Calibration Group after the calibrations have been validated. The e-mail reply will advise the Service Agent if the calibrations are OEM.
- 8. The Service Personnel may call the PQC after receiving their e-mail notification from the Calibration Group informing them that the calibrations are OEM, if required to do so for Warranty Requirements. Be prepared to provide all

4749859

Bulletin No.: 17-NA-100

of the usual documentation that is normally required when requesting an assembly authorization from the PQC.

 If the Calibration Group determines that the calibrations ARE aftermarket calibrations, DO NOT contact GM Technical Assistance to discuss warranty concerns on the aftermarket calibrations. All questions and concerns about warranty should be directed to the Service Agent's District Manager Aftersales (DMA) in the United States and in Canada to the District Manager - Customer Care and Service Process (DM - CCSP).

Warranty Information

- The Service Management must be involved in any situation that would justify the use of labor operation 0600014.
- Notify the Service Agent's District Manager Aftersales (DMA) in the United States and in Canada the District Manager - Customer Care and Service Process (DM - CCSP).
- All claims will have to be routed to the Warranty Support Center (WSC) for approval.
- Please refer to the latest version of Corporate Bulletin Number 09-00-89-016, Labor Operation 0600014 - Suspected Tampering or Vehicle Modifications for important information.

Labor Operation	Description	Labor Time
0600014*	Suspected Tampering or Vehicle Modifications	0.2 hr
*This is a unique Labor Operation for Bulletin use only.		

Version	2
Modified	September 05, 2017 — Added 2018 Model Year.