

### Service Bulletin

File in Section: 06 - Engine

Bulletin No.: 14-06-04-003

Date: February, 2014

### **INFORMATION**

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

Duramax® Diesel Engines Using GDS 2

Models: 2014-2015 Chevrolet Express, Silverado

2014-2015 GMC Savana, Sierra

Equipped With Duramax® Turbocharged Diesel Engine 6.6L — RPO LGH or LML

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.

## 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.
- Driveability concerns.
- Increased emissions.
- Knocking noise.
- · Engine damage.
- Black smoke from the exhaust. This symptom may not occur if the diesel particulate filter (DPF) is in good working condition. The DPF will trap black exhaust smoke unless it is cracked, melted or has been removed from the exhaust system.

### **GDS 2 Software Updates and Screen Views**



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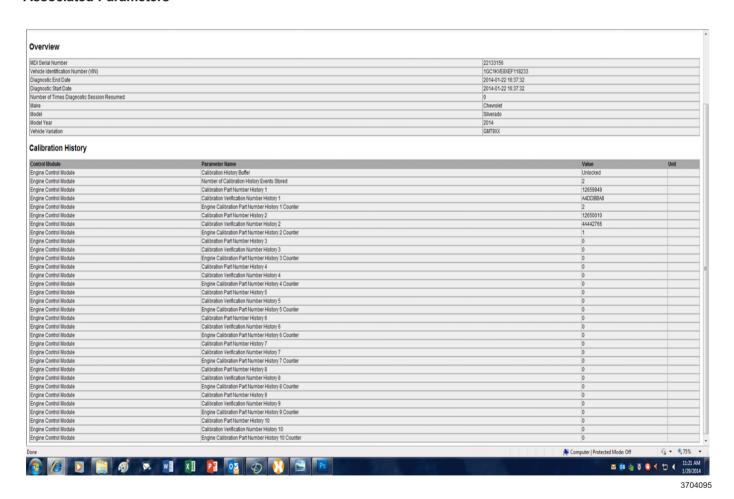
GDS 2 Software updates are available when released and are indicated by the following prompt: **Diagnostic Package Updates Available.** Whenever this prompt is displayed, **press the Update (1) button** to download the latest available software version.

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 — 2014 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 depending on the vehicle, copies of one or both of the following GDS 2 screens in the .jpg, .jpeg or .png file format:

Engine Control Module — Calibration History, Calibration Verification Number History and Associated Parameters



Notice: This is a typical GDS 2 screen shot generated as a "Report", and taken from a Model Year 2014 Silverado showing the: VIN, Calibration History, Calibration Verification Number History and

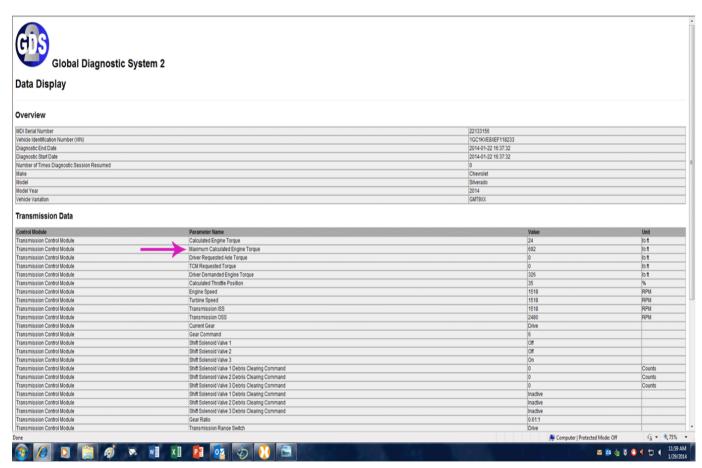
other Associated Parameters

Depending on the computer screen configuration being used and the Number of Calibration History Events Stored, you may need to take two screen shots to retrieve, save and view all of the information.

- Express, Silverado, Savana or Sierra: Retrieve and save the GDS 2 screen information as shown displaying the following:
- VIN
- Diagnostic Start Date
- · Diagnostic End Date
- Calibration History

- Engine Control Module information showing the following Parameters:
  - Number of Calibration History Events Stored
  - Calibration Part Number History
  - Calibration Verification Number History
  - Engine Calibration Part Number History

Transmission Control Module — Maximum Calculated Engine Torque Parameter



Notice: This is a typical GDS 2 screen shot generated as a "Report", and taken from a Model Year 2014 Silverado showing the: VIN and Maximum Calculated Engine Torque Parameter

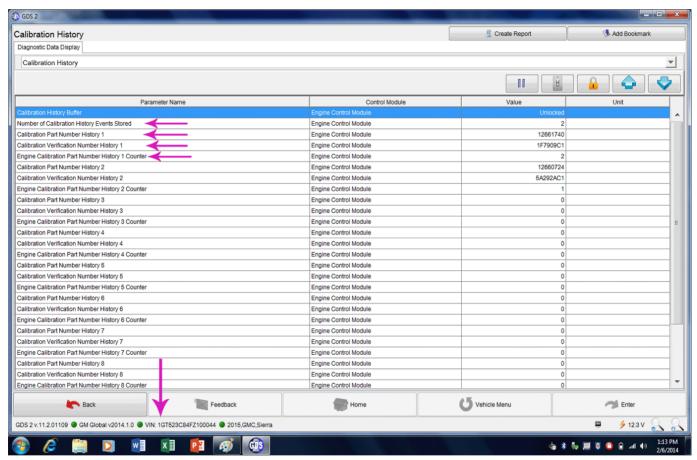
- Silverado or Sierra only: Retrieve and save the GDS 2 screen information as shown displaying the following:
  - VIN
  - Diagnostic Start Date
  - Diagnostic End Date
  - Maximum Calculated Engine Torque Parameter.

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# GDS 2 Screen Shots Required by the Calibration Group — 2015 GMC Sierra Typical View of Individual Screen Shots

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

Engine Control Module — Calibration History, Calibration Verification Number History and Associated Parameters



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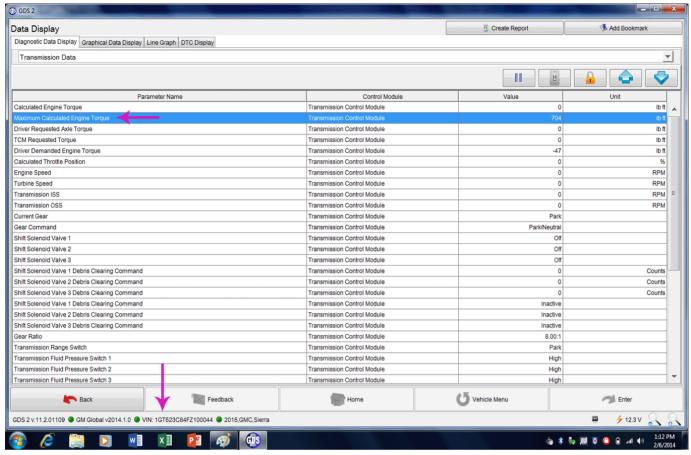
Notice: This is a typical GDS 2 "individual" screen shot taken from a Model Year 2015 Sierra showing the: VIN, Calibration History, Calibration Verification Number History and other Associated Parameters.

Depending on the computer screen configuration being used and the Number of Calibration History Events Stored, you may need to take two screen shots to retrieve, save and view all of the information.

- Express, Silverado, Savana or Sierra: Retrieve and save the GDS 2 screen information as shown displaying the following:
- VIN (at bottom of screen must be visible)

- Engine Control Module information showing the following Parameters:
  - Number of Calibration History Events Stored
  - Calibration Part Number History
  - Calibration Verification Number History
  - Engine Calibration Part Number History

#### Transmission Control Module — Maximum Calculated Engine Torque Parameter



Notice: This is a typical GDS 2 "individual" screen shot taken from a Model Year 2015 Sierra showing the: VIN and Maximum Calculated Engine Torque Parameter

- Silverado or Sierra only: Retrieve and save the GDS 2 screen information as shown displaying the following:
  - VIN (at bottom of screen must be visible)
  - Maximum Calculated Engine Torque Parameter.

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

 E-mail copies of the files to TACCVN@gmexpert.com

Notice: 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<sup>®</sup> diesel", the complete VIN and Service Agent BAC.
- 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.

Notice: 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.

- 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 your e-mail replies for further information from the Calibration Group.

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- 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 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.

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
0600014	Suspected Tampering or Vehicle Modifications	0.2 hr

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