



NUMBER: 18-133-22

GROUP: 18 - Vehicle Performance

DATE: August 6, 2022

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SUBJECT:

Flash: Powertrain Control Module (PCM) Updates

OVERVIEW:

This bulletin involves reprogramming the PCM with the latest available software.

MODELS:

2022 (DT) RAM 1500 Pickup

NOTE: This bulletin applies to vehicles within the following markets/countries: North America.

NOTE: This bulletin applies to vehicles built on or before July 06, 2022 (MDH 0706XX) and equipped with a 3.0L V6 Turbo Diesel Engine W/ESS (Sales Code EXH).

SYMPTOM/CONDITION:

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation, a technician may find one or more of the following Diagnostic Trouble Codes (DTCs) have been set:

- P2183 - Engine Coolant Temperature Sensor 2 Circuit Performance.
- P258B - Electric Vacuum Pump Performance.
- P040F - EGR Temperature Sensor A-B Correlation.
- P2D2F - Turbocharger-Supercharger -A- Underboost Condition.
- P0088 - Fuel Rail Pressure Too High.
- P026D - Fuel Injection Quantity Higher Than Expected.
- P208B - Reductant Pump 1 Control Performance.
- P20C6 - Reductant Heater 4 Control Circuit Performance.
- P016F - Closed Loop Fuel Pressure Control At Limit - Pressure Too Low.
- P025C - Fuel Pump Module Control Circuit Low.
- P225D - NOX Sensor 1/1 Performance - Signal Stuck Low.

The following software enhancement is available:

- DTC U148D - Implausible Data Received From Forward Facing Camera, will be disabled in this software update.

The customer may also describe the following:

- The remote start does not work due to MIL on after using engine block heater.

NOTE: Upon inspection the technician will find DTC P2183 is stored with this condition.

In addition, the following driveability improvements are available:

- Increased tip in and tip out torque response.
- Low speed engine idle improvements.
- Eliminate idle oscillation in park and drive.
- Reduce driveline oscillations.
- 4-LO speed limiter improvements.
- Decrease engine start time after extended key on to crank.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in DealerCONNECT/Service Library, verify all related systems are functioning as designed. If DTCs or symptom conditions, other than the ones listed above are present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If the customer describes the symptom/condition listed above or if the technician finds the DTC, perform the Repair Procedure.

REPAIR PROCEDURE:

NOTE: Install a battery charger to ensure battery voltage does not drop below 13.2 volts. Do not allow the charging voltage to climb above 13.5 volts during the flash process.

NOTE: If this flash process is interrupted/aborted, the flash should be restarted.

1. Reprogram the PCM with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
2. Clear any DTCs that may have been set in any modules due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-04-SS	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	10 - Diesel	0.3 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 4 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.

FAILURE CODE:

The dealer must use failure code CC with this Technical Service Bulletin.

- If the customer's concern matches the SYMPTOM/CONDITION identified in the Technical Service Bulletin, failure code CC is to be used.
- When utilizing this failure code, the 3C's (customer's concern, cause and correction) must be provided for processing Technical Service Bulletin flash/reprogramming conditions.

CC	Customer Concern
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