SUBJECT:
Flash: Powertrain Control Module (PCM) Updates

OVERVIEW:
This bulletin involves reprogramming the Engine Control Module/Powertrain Control Module (ECM/PCM) with the latest available software.

MODELS:

2021	(DJ)	RAM 2500 Pickup
2021	(D2)	RAM 3500 Pickup

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

NOTE: This bulletin applies to vehicles built on or before May 06, 2021 (MDH 0506XX) equipped with a 6.7L I6 Cummins Turbo Diesel Engine (Sales Code ETL) or a 6.7L I6 Cummins HO Turbo Diesel Engine (Sales Code ETM).

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

- P0607-00 - ECU Internal Performance.
- P0299-00 - Turbocharger Underboost.
- P1451-00 - Diesel Particulate Filter System Performance **(ETL Sales Code only)**.

The following improvements are also included in this update:

- Oil pressure switch modifications.
- Urea (DEF fliud) level sensor calibration update, to help prevent bumps in DEF level gauge.

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/ECM 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. Is this vehicle equipped with the 68RFE automatic transmission?

   - YES>>> Proceed to Step 3 of the repair procedure.
   - NO>>> Proceed to Step 4 of the repair procedure.

3. Perform the transmission "Quicklearn" procedure. Follow the detailed service procedures available in DealerCONNECT/Service Library, Service Info Section 08 - Electrical > 8E - Electronic Control Modules > Module, Transmission Control > Standard Procedure > Quicklearn.

4. Clear all DTCs that may have been set in any module 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-SQ	Module, Engine Control (ECM) - Reprogram and Perform Quicklearn Routine (68RFE Transmission) (1 - Semi-Skilled)	10 - Diesel	0.5 Hrs.
18-19-04-SP	Module, Engine Control (ECM) - Reprogram (Aisin Transmission) (1 - Semi-Skilled)	10 - Diesel	0.4 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 10 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 Service Bulletin.

- If the customer's concern matches the SYMPTOM/CONDITION identified in the 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 Service Bulletin flash/reprogramming conditions.

CC	Customer Concern