

Technical Service Bulletin (TSB)
Flash: Powertrain Control Module (PCM) Updates

REFERENCE:	TSB: 18-033-25 GROUP: 18 - Vehicle Performance	Date:	June 25, 2024	REVISION:	18-009-19 REV. C
VEHICLES AFFECTED:	2019 (DT) RAM 1500 Pickup This bulletin applies to vehicles equipped with 3.6L V6 24V VVT eTorque Engine Upg I (Sales Code ERG) and the **8-SPD Auto 850RE (Sales Code DFT)**.			MARKET APPLICABILITY: ☒ NA☐ MEA ☐ SA☐ IAP ☐ EE☐ CH NOTE: **This bulletin applies to the North America market.**	
CUSTOMER SYMPTOM:	**Customers must experience a Malfunction Indicator Lamp (MIL) illumination and the vehicle must exhibit/set one or more of the following Diagnostic Trouble Codes (DTCs): • **P0420 - Catalyst System Efficiency Below Threshold Bank 1. • P0430 - Catalyst System Efficiency Below Threshold Bank 2.** • P0456 - EVAP System Small Leak. • P06EF - Engine Restart Performance. • P0175 - Fuel System 2/1 Rich. • P258B - Electronic Vacuum Pump Performance. • P0128 - Thermostat Rationality. • C0062 - Longitudinal Acceleration Sensor. In addition, the customer may experience one or more of the following: • **Vehicle fails emissions inspection testing due to OBD catalyst monitor readiness.** • Engine RPM erratic and or bucking, when accelerating after slowing down. • Occasional engine shut off while shifting from 4WD low to 2WD. • Improvements to the vacuum pump cycle time. • Rough idle after cold start.				
CAUSE:	**PCM software**				

This bulletin supersedes Technical Service Bulletin (TSB) 18-009-19 REV. C, date of issue September 24, 2019, which should be removed from your files. All revisions are highlighted with ****asterisks**** and include the addition of a sales code, additional Customer Symptoms, additional DTCs, updated LOP, a new Market Applicability note, the addition of a Cause, addition of Special Tools/Equipment section and an updated Repair Procedure step.

Changes not highlighted by asterisks are the removal of a build date.

REPAIR SUMMARY:

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

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-06-JW	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	1 - Engine Repair and Performance	0.3 Hrs.
Failure Code	CC	Customer Concern	

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

- If the customer's concern matches the SYMPTOM 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.

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 any of the symptoms listed above in the customer symptom section, perform the Repair Procedure.

****SPECIAL TOOLS/EQUIPMENT:**

Description	Ref. No.	Notes
wiTECH or Equivalent	—	—**

REPAIR PROCEDURE:

NOTE: The Hybrid Control Processor (HCP) and Transmission Control Module (TCM) must be updated to the latest available software at the conclusion of this repair procedure. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the HCP and TCM software.

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. **If issues arise when flashing a module using the wiTECH Diagnostic Application, please submit a ticket to the Helpdesk. The helpdesk can be found within the Help menu.**
2. 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.
3. Verify the HCP and TCM are programmed with the latest available software. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the HCP and TCM software.

POLICY:

Reimbursable within the provisions of the warranty.

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