

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

REFERENCE:	TSB: 18-001-23 REV. B GROUP: 18 - Vehicle Performance	Date:	September 23, 2023	REVISION:	18-001-23 REV. A
VEHICLES AFFECTED:	2022 (DT) RAM 1500 Pickup This bulletin applies to vehicles equipped with a 5.7L V8 HEMI MDS VVT E-Torque Engine (Sales Code EZL).			MARKET APPLICABILITY: ☒ NA☒ MEA ☒ SA☒ IAP ☒ EE☒ CH	
CUSTOMER SYMPTOM:	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: **P1524 - Oil Pressure Out Of Range - Camshaft Advance/Retard Disabled. - P219A - Bank 1 Air-Fuel Ratio Imbalance.** - U0402-00 Implausible Data Received from the TCM. (When U0402-00 sets in the PCM, the module will start to deny torque requests from the Transmission Control Module (TCM). The transmission will fault and go to a fixed gear limp-inreaction, and send the MIL request to PCM.) The customer may also experience the following: - A limp mode when the DTC sets in the PCM.				
CAUSE:	PCM Software				

This bulletin supersedes Technical Service Bulletin (TSB) 18-001-23 REV. A, date of issue May 09, 2023, which should be removed from your files. All revisions are highlighted with ****asterisks**** and include two additional DTCs and a new labor operation.

REPAIR SUMMARY:

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

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-06-9R	Module, Powertrain Control (PCM) -Reprogram (0 – Introduction)	1 - Engine Repair and Performance	0.2 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: 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.

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