

Rapid Service Update (RSU)

Flash: Powertrain Control Module (PCM) Updates

REFERENCE:	TSB: 18-005-23 GROUP 18 - Vehicle Performance	Date:	January 12, 2023	REVISION:	18-094-22 REV. B
VEHICLES AFFECTED:	2022 (DJ) Ram 2500 Pickup 2022 (D2) Ram 3500 Pickup This bulletin applies to vehicles 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). **The RSU portion of this bulletin applies to DJ and D2 vehicles equipped with the 6.7L I6 Cummins Turbo Diesel (Sales Code ETL) built on or after October 29, 2022 (MDH 1029XX) and on and before December 05, 2022 (MDH 1205XX). - The RSU portion of this bulletin also applies to D2 vehicles equipped with the 6.7L I6 Cummins HO Turbo Diesel (Sales Code ETM) built on or after November 05, 2022 (MDH 1105XX) and on and before December 05, 2022 (MDH 1205XX).** NOTE: The TSB portion of this bulletin applies to all 2022 model year DJ and D2 vehicles.			MARKET APPLICABILITY: ☒ NA ☒ SA ☒ EE ☒ MEA ☒ IAP ☐ 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: **P0299 - Turbocharger Underboost.** - P026B-00 - Injection Timing Performance. - P061B-00 - Internal Control Module Torque Calculation Performance. - P1451-00 - Diesel Particulate Filter System Performance. - P0755-00 - Shift Solenoid "B" (DG7 Trans Sales Code). - P0765-00 - Shift Solenoid "D"(DG7 Only). - P0401-00 - EGR System Performance Customers may also experience the following: **Service Exhaust System message in the Electronic Vehicle Information Center (EVIC) with no MIL.** - Improvements to cold temperature engine rpm fluctuation. - Reduce audible engine flare during upshifts (DG7 Only). - Improvements to help prevent OD clutch premature wear (DG7 Only). 1-2-1 gear hunting on grades while operating under high loads in areas of low traction (e.g. rain, snow, ice or dirt) (DG7 Only). - wiTECH Fuel System Run-Up Test routine Improvement. - Idle stability Improvement. - wiTECH PCM data improvements. - wiTECH cylinder cut-out routine, improvement.				
CAUSE:	PCM Software				

This bulletin supersedes Technical Service Bulletin (TSB) 18-094-22 REV. B, date of issue October 25, 2022, which should be removed from your files. All revisions are highlighted with **asterisks**** and includes converting to an RSU, new build dates, additional symptoms/conditions and LOP.**

****This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 23-007, date of issue January 12, 2023. All applicable Un-Sold RSU VINs have been loaded. To verify this RSU service action is applicable to the Un-Sold vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. This RSU will expire 18 months after the date of issue.****

REPAIR SUMMARY:

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

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
**18-19-04-TF	Module, Powertrain Control (PCM) - Inspect (0 - Introduction)	1 - Engine Repair and Performance	0.2 Hrs.
18-19-04-TH	Module, Powertrain Control (PCM) - Inspect and Reprogram (Aisin Transmission) (0 - Introduction)	1 - Engine Repair and Performance	0.4 Hrs.
18-19-04-TG	Module, Powertrain Control (PCM) - Inspect and Reprogram and Perform Quicklearn Routine (68RFE Transmission) (0 - Introduction)	1 - Engine Repair and Performance	0.5 Hrs.**
Failure code	CC	Customer Concern	
	RF	Required Flash	

The dealer must choose which failure code to use depending on if this is a Rapid Service Update (RSU) or Technical Service Bulletin.

- The "RF" failure code is required for essential module flash/reprogramming and can only be used after confirmation that the VIN is included on the RSU.
- The failure code "RF" (Required Flash) can no longer be used on Technical Service Bulletin flashes. **The "RF" failure code must be used on an RSU.**
- 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 must be supplied.

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 a customer's VIN is listed in VIP or your RSU VIN list, perform the repair. If any vehicle not on the VIN list exhibits the symptom/condition or DTC, perform the repair.

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. **Is the vehicle on the RSU VIN list?
 - YES>>> Proceed to [Step 2](#).
 - NO>>> Proceed to [Step 3](#).
2. Does the PCM have the latest software already installed?
 - YES>>> This bulletin has been completed, use inspect LOP (18-19-04-TF) to close the active RSU. Normal diagnosis should be performed.
 - NO>>> Proceed to [Step 3](#).**
3. 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.
4. Is this vehicle equipped with the 68RFE automatic transmission?
 - YES>>> Proceed to [Step 5](#).
 - NO>>> Proceed to [Step 6](#).
5. 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.
6. 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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