STELLANTIS
PARTS & SERVICES

Technical Service Bulletin (TSB)

Flash: Transmission Control Module (TCM) Updates

REFERENCE:	**TSB:** 21-027-25 REV. A **GROUP:** 21 - Transmission and Transfer Case	**Date:**	September 17, 2025	**REVISION:**	21-027-25
VEHICLES AFFECTED:	**2025 (DJ) RAM 2500 Pickup** **This bulletin applies to vehicles equipped with the 6.7L I6 Cummins HO Turbo Diesel Eng (Sales Code ETM) and 8-Spd Torqueflite HD Auto Trans (Sales Code DFM).**			**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 may exhibit/set one or more of the following Diagnostic Trouble Codes (DTCs):**** • **P0827-00 Up and Down Shift Switch Circuit Low. • P0826-00 Up and Down Shift Switch Circuit. • P085F-00 Up and Down Shift Switch Circuit Range/Performance.** • P1DCD-00 - TCM Monitoring Processor Performance Multiple Clutches Locked Up. **Customers may also experience one or more of the following:** • **Vehicle stuck in default gear, and possibly stranded for many minutes. • Rough/bumpy 2-3 power on upshifts and/or 3-2 coast down shifts.** • Vehicle enters into limp home mode. ****Other software improvements:** • Decreased sensitivity to faults P1D8A and P1D8B.**				
CAUSE:	**TCM Software**				

This bulletin supersedes Technical Service Bulletin (TSB) 21-027-25, date of issue April 02, 2025, which should be removed from your files. All revisions are highlighted with **asterisks and include an updated/new Customer Symptom statement, new Market note, new DTC's, new Customer Symptoms, new software improvements and new LOP. Other changes not asterisked include the removal of a vehicle build date.**

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 25-052, date of issue April 02, 2025. All applicable RSU VINs have been loaded. To verify this RSU service action is applicable to the vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. All repairs are reimbursable within the provisions of warranty. This RSU will expire 18 months after the date of issue.

REPAIR SUMMARY:

This bulletin involves inspecting the TCM software level and possibly reprogramming the TCM with the latest available software.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-05-SM	Module, Transmission Control (TCM) - Inspect Software Level (0 - Introduction)	2 - Automatic Transmission	0.2 Hrs.
**18-19-05-ST	Module, Transmission Control (TCM) - Inspect and Reprogram (0 - Introduction)	2 - Automatic Transmission	0.3 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 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. Is the vehicle on the RSU VIN list?
   - YES >>> Proceed to Step 2.
   - NO >>> Proceed to Step 3.

2. Does the TCM have the latest software already installed?
   - YES >>> This bulletin has been completed, use Inspect LOP (18-19-05-SM) to close the active RSU.
   - NO >>> Proceed to Step 3.
3. Reprogram the TCM 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. 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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