



**NUMBER:** 21-035-21

**GROUP:** 21 - Transmission and Transfer Case

**DATE:** November 17, 2021

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**This bulletin supersedes Technical Service Bulletin 21-005-20, date of issue January 15, 2020, which should be removed from your files. All revisions are highlighted with **\*\*asterisks\*\*** and include additional Diagnostic Trouble Code (DTC), symptom/condition and LOP.**

**SUBJECT:**

Flash: Transmission Control Module (TCM) Updates

**OVERVIEW:**

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

**MODELS:**

|      |      |                  |
|------|------|------------------|
| 2018 | (LA) | Dodge Challenger |
| 2018 | (LD) | Dodge Charger    |

**NOTE: This bulletin applies to vehicles within the following markets/countries: North America, LATAM, APAC and EMEA.**

**NOTE: This bulletin applies to vehicles equipped with a 6.2L Supercharged Hemi V8 SRT Engine (Sales Code ESD) and a 8-SPD Auto HP90 Transmission (Sales Code DFE).**

**SYMPTOM/CONDITION:**

**\*\*** A small number of customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find the following (DTC).

- P050B - Cold Start Ignition Timing Performance. **\*\***

Software enhancements also include:

- Improvements to 2-1 downshift quality.

**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 Diagnostic Trouble Codes (DTCs) or symptom conditions, other than the ones listed 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:** The Powertrain Control Module (PCM) 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 PCM 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 TCM with the latest available software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
2. Using wiTECH, perform the "Reset Adaptive Values" routine located in the TCM "Misc Functions" menu, and follow all on-screen prompts.
3. Using wiTECH, perform the "Quick Learn" routine located in the TCM "Misc Functions" menu, and follow all on-screen prompts.
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.
5. Verify the PCM is programmed with the latest available software. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the PCM software.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

| Labor Operation No: | Description                                                       | Skill Category             | Amount     |
|---------------------|-------------------------------------------------------------------|----------------------------|------------|
| **18-19-05-QP       | Module, Transmission Control (TCM) - Reprogram (0 - Introduction) | 2 - Automatic Transmission | 0.5 Hrs.** |

**NOTE:** The expected completion time for the flash download portion of this procedure is approximately 2 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 |
|----|------------------|