



**NUMBER:** 18-117-22

**GROUP:** 18 - Vehicle Performance

**DATE:** June 17, 2022

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**SUBJECT:**

Flash: Powertrain Control Module (PCM) Updates

**OVERVIEW:**

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

**MODELS:**

2018 (LA) Dodge Challenger

**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 6.4L Engine (Sales Code ESG) or a 6.4L Engine (Sales Code ESH).

**SYMPTOM/CONDITION:**

The following software enhancements are available:

- Engine REV stationary exhaust noise restrictions.
- Complaint of noticeable low RPM during a hard braking procedure.

**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 the symptom/condition listed above perform the Repair Procedure.

**REPAIR PROCEDURE:**

**NOTE:** The Transmission Control Module (TCM) must be updated to the latest available software. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the 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 available 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.
3. Verify the TCM is programmed with the latest available software. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the TCM software.
4. Is the vehicle equipped with **Sales Code (DEC)**?
  - YES>>> Proceed to [Step 5](#).
  - NO>>> Repair is complete, use LOP (18-19-06-EN) only.
5. After the PCM flash is performed, it is necessary to perform a "Top Gear Learn" for the shift light fix to take effect. For a "Top Gear Learn" please operate the vehicle under the following conditions for 1 minute:
  - Transmission in 6th gear.
  - Vehicle speed greater than 80 kph (50 mph).
  - Engine speed greater than 1200 rpm.
  - Accelerator pedal position greater than 5% (maintaining the above vehicle/engine speed is usually sufficient).

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:	Description	Skill Category	Amount
18-19-06-EN	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	1 - Engine Repair and Performance	0.3 Hrs

**OPTIONAL LOP ALLOWANCE:**

Labor Operation No:	Description	Skill Category	Amount
18-19-06-60	Manual Transmission Equipped - Top Gear Learn Test Drive Sales Code (DEC) (0 - Introduction)	1 - Engine Repair and Performance	0.2 Hrs.

**NOTE: The expected completion time for the flash download portion of this procedure is approximately 6 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 Technical Service Bulletin.**

- 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 (customer's concern, cause and correction) must be provided for processing Technical Service Bulletin flash/reprogramming conditions.

CC	Customer Concern
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