STELLANTIS
PARTS & SERVICES

Technical Service Bulletin (TSB)

Flash: Powertrain Control Module (PCM) Updates

REFERENCE:	**TSB:** 18-038-24 REV. A **GROUP:** 18 - Vehicle Performance	**Date:**	November 9, 2024	**REVISION:**	18-038-24
VEHICLES AFFECTED:	**2024 (GG) Dodge Hornet** **This bulletin applies to vehicles built on or before **April 15, 2024 (MDH 0415XX)** equipped with a 1.3L I4 Turbo PHEV Engine (Sales Code EYG).**			**MARKET APPLICABILITY:** ☒ NA ☐ MEA ☐ SA ☐ IAP ☐ EE ☐ CH	
CUSTOMER SYMPTOM:	**Customers must experience a Malfunction Indicator Lamp (MIL) illumination and the vehicle must exhibit/set the following Diagnostic Trouble Code (DTC):** • P219A - Bank 1 Air-Fuel Ratio Imbalance. ****This bulletin also includes software diagnostic enhancements.****				
CAUSE:	**PCM software**				

This bulletin supersedes Technical Service Bulletin (TSB) 18-038-24, date of issue April 24, 2024, which should be removed from your files. All revisions are highlighted with **asterisks and include an updated build date, updated Customer Symptoms, an updated LOP time, an added a Related LOPs section, a new Repair Procedure Caution, a new Repair Procedure Note and additional Repair Procedure steps.**

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-HP	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	1 - Engine Repair And Performance	**0.3 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.

RELATED LOPS:

Labor Operation No:	Labor Description	Skill Category	Labor Time
**18-19-87-53	wiTECH Routine to Disable/Enable HV Battery Contactors for Service; Includes 5 Minute Waiting Period (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.**

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, a new Repair Procedure Caution, a new Repair Procedure Note and additional Repair Procedure steps.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	–	–

REPAIR PROCEDURE:

CAUTION!
****Removal of the Brake Booster Vacuum Pump is necessary for this Repair Procedure. Failure to remove the 30 Amp fuse may result in damage to the Brake Booster Vacuum Pump.****

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: **The vehicle must not be connected to a high voltage charger when performing software updates.**

NOTE: If this flash process is interrupted/aborted, the flash should be restarted.

1. **Remove the 30 Amp fuse for the Brake Booster Vacuum Pump from the Power Distribution Center (PDC) located in the engine compartment.
2. Disable HV Battery Contactors using wiTECH - Go to the Misc Functions tab --> Select Disable HV Battery Contactors --> then follow the wiTECH prompts.
3. Use wiTECH to confirm that the contactors are open and waiting five minutes. If the contactors do not open turn the ignition on then off. Once successful a note will appear on the wiTECH screen indicating the contactors are open.
4. Reprogram the PCM with the latest available software. If issues arise when flashing a module using the wiTECH Diagnostic Application, please submit a ticket to the Helpdesk. The helpdesk can be found within the Help menu.
5. Enable HV Battery Contactors using wiTECH - Go to the Misc Functions tab --> Select Enable HV Battery Contactors For Service--> then follow the wiTECH prompts.

6. Install the 30 Amp Brake Booster Vacuum Pump fuse.
7. Using wiTECH, perform a "PROXI Alignment Procedure". This routine is available under the ’Vehicle Preparations’ tab of wiTECH.**
8. Clear all DTCs that may have been set in any module 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.