



NUMBER: 18-098-22

GROUP: 18 - Vehicle Performance

DATE: May 19, 2022

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SUBJECT:

Flash: Powertrain Control Module (PCM) Updates

OVERVIEW:

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

MODELS:

2020 (VF) RAM ProMaster

NOTE: This bulletin applies to vehicles within the following markets/countries: North America.

NOTE: This bulletin applies to vehicles equipped with a 3.6L V6 24V VVT Engine (Sales Code ERB).

SYMPTOM/CONDITION:

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find the following Diagnostic Trouble Code (DTC) have been set:

- P0556 - Brake Booster Pressure Sensor Circuit Performance.

Customer may describe the following:

- Fuel odor during frequent stop and re-start driving, during high ambient temps.

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 or if the technician finds the DTC, perform the Repair Procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
1 (AR)	52029887AC	Vapor Canister

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. 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.
2. Clear any DTCs that may have been set in other modules due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.
3. Was the customer concern fuel odor and is this a fleet vehicle with (Sales Code XR8)?
 - YES>>> Proceed to [Step 4](#).
 - NO>>> This bulletin has been completed use program only LOP (18-19-06-GK).
4. Remove the vapor canister. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 25 - Emissions Control / Evaporative Emissions / Canister, Vapor / Removal.

NOTE: If any liquid fuel comes out of the vapor canister, the vapor canister needs to be replaced.

5. Check the weight of the vapor canister, using any type of scale (letter or package scale can be used).
6. Does the vapor canister weigh more than 2900 grams (6.25 Lbs)?
 - YES>>> Replace the canister with a new part. Proceed to [Step 7](#) use LOP (18-19-06-GM).
 - NO>>> Install the original canister back on the vehicle Proceed to [Step 7](#) use LOP (18-19-06-GL).
7. Install the vapor canister. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 25 - Emissions Control / Evaporative Emissions / Canister, Vapor / Installation.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-06-GK	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	1 - Engine Repair and Performance	0.3 Hrs.
18-19-06-GL	Module, Powertrain Control (PCM) - Reprogram, Inspection and Install Original Vapor Canister (0 - Introduction)	1 - Engine Repair and Performance	0.7 Hrs.
18-19-06-GM	Module, Powertrain Control (PCM) - Reprogram, Inspection and Replace Vapor Canister (0 - Introduction)	1 - Engine Repair and Performance	0.7 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 7 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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