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GROUP: 18 - Vehicle Performance

DATE: May 30, 2020

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SUBJECT:

Powertrain Control Module (PCM) Replacement - P2172 - High Airflow/Vacuum Leak Detected (Instantaneous Accumulation)

OVERVIEW:

This bulletin involves replacing the Powertrain Control Module (PCM) and re-programming with the latest available software.

MODELS:

2019	(LA)	Dodge Challenger
2019	(LD)	Dodge Charger
2019	(WK)	Jeep Grand Cherokee

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

NOTE: This bulletin applies to vehicles equipped with a 6.2L Supercharged Hemi V8 SRT Engine (Sales Code ESD) or 6.2L Supercharged Hemi V8 HO Engine (Sales Code ESJ).

SYMPTOM/CONDITION:

The customer may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation a technician may find the following Diagnostic Trouble Code (DTC) set in the PCM memory:

- P2172 - High Airflow/Vacuum Leak Detected (Instantaneous Accumulation).

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)	68377858AB	Module, Powertrain Control (PCM)

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. Replace the PCM; Refer to the detailed service procedures available in DealerCONNECT> Service Library under: Service Info> 08 - Electrical/8E - Electronic Control Modules> MODULE, Powertrain Control> Removal/Installation.
2. 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.
3. 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.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
08-19-06-A7	Module, Powertrain/Engine Control (PCM-ECM) - Replace (Includes Software Update) (LA Vehicles) (1 - Semi-Skilled)	1 - Engine Repair and Performance	0.4 Hrs.
08-19-06-A8	Module, Powertrain/Engine Control (PCM-ECM) - Replace (Includes Software Update) (LD Vehicles) (1 - Semi-Skilled)	1 - Engine Repair and Performance	0.5 Hrs.
08-19-06-A9	Module, Powertrain/Engine Control (PCM-ECM) - Replace (Includes Software Update) (WK Vehicles) (1 - Semi-Skilled)	1 - Engine Repair and Performance	0.7 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:

ZZ	Service Action
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