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GROUP: Vehicle Performance

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HELP USING THE wiTECH DIAGNOSTIC APPLICATION FOR FLASHING AN ECU IS AVAILABLE BY SELECTING “HELP” THEN “HELP CONTENTS” AT THE TOP OF THE wiTECH DIAGNOSTIC APPLICATION WINDOW.

THE wiTECH SOFTWARE IS REQUIRED TO BE AT THE LATEST RELEASE BEFORE PERFORMING THIS PROCEDURE.

SUBJECT:

Flash: 6.4L Powertrain Diagnostic And System Improvements

OVERVIEW:

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

MODELS:

2016	(LA)	Dodge Challenger
2016	(LD)	Dodge Charger
2016	(LX)	Chrysler 300

**NOTE: This bulletin applies to vehicles within the following markets/countries:
NAFTA and EMEA.**

NOTE: This bulletin applies to vehicles built on or before January 11, 2016 (MDH 0111XX) equipped with a 6.4L Engine (Sales Codes ESG or ESH) and an Automatic Transmission (Sale Code DFK) or a Manual Transmission (Sale Code DEC).

SYMPTOM/CONDITION:

Customers may experience one or more of the following symptoms and/or a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find one or more of the following Diagnostic Trouble Codes (DTCs):

- P0456 - EVAP System Small Leak.
- P2299 - Brake Pedal Position/Accelerator Pedal Position Incompatible.

Customers may also notice the following condition(s):

- Brief engine idle fluctuation while in hot ambient temperatures.
- A slight hesitation during light pedal application after engine cold start.
- Driveline noises.
- Engine stumble/hesitation on a very hard pedal acceleration from a dead stop.
- Transmission enhancements during low speed braking turning maneuvers.
- False detonation (spark knock) detected during a wide open throttle **(LA) Challenger (Sales Codes ESH with DEC only).**

In addition, the following software enhancement is available:

- Calibration Improvements for non-adaptive cruise control equipped vehicles.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all engine 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 DTCs, perform the Repair Procedure.

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 available software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the "HELP" tab on the upper portion of the wiTECH window, then "HELP CONTENTS." This will open the Welcome to wiTECH Help screen where help topics can be selected.
2. 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
18-19-06-HP	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	8 - Engine Performance	0.2 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 5 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.

FAILURE CODE:

The dealer must choose which failure code to use. If the customer came in with an issue and if the dealer finds a software update to correct that issue, use failure code CC, for all other use failure code RF.

- If the customer's concern matches the SYMPTOM/CONDITION identified in the Service Bulletin, failure code CC is to be used.
- If an available flash is completed while addressing a different customer concern, failure code RF is to be used.

CC	Customer Concern
RF	Routine Flash