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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 LEVEL MUST BE AT 15.02 OR HIGHER TO PERFORM THIS PROCEDURE.

SUBJECT:

Flash: Diagnostic and System Improvements

OVERVIEW:

This bulletin involves selectively erasing and reprogramming the Powertrain Control Module (PCM) with new software.

MODELS:

2014 - 2015 (PF) Dodge DART

NOTE: This bulletin applies to 2014 vehicles equipped with a 1.4L engine (sales code EAF) built on or after October 11, 2013 (MDH 1011XX) and on or before August 24, 2014 (MDH 0824XX) and 2015 vehicles equipped with a 1.4L engine (sales code EAF) built on or after August 24, 2014 (MDH 0824XX) and on or before October 21, 2014 (MDH 1021XX).

SYMPTOM/CONDITION:

A small number of customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find one or more of the Diagnostic Trouble Codes (DTCs) listed below Set in the PCM.

- P0141 - O2 Sensor 1/2 Heater Performance
- P1D73 - Active Grill Shutter (AGS) Performance
- P113D- O2 Sensor 1/1 Slow Response (2015 only)

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 or if the technician finds any of the DTCs listed above 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 software. Follow the detailed service procedures available in DealerCONNECT/TechCONNECT, Refer To Group 8 - Electrical > Electronic Control Modules - Service Information > Module - Powertrain Control > Standard Procedures > PCM/ECM Programming.
2. Perform Cruise Control Learn Procedure.
 - a. Turn Ignition Key to the OFF/LOCK position for 10 seconds to allow the module to power down.
 - b. Turn Ignition Key to the ON/RUN position.
 - c. Press, then release the Cruise ON/OFF button on the steering wheel.
 - d. Start Engine.
 - e. Press the Cruise ON/OFF button to verify that the Cruise indicator illuminates on the cluster.
3. Is vehicle equipped with a manual transmission?
 - a. Yes >>> DTC P1302 - Transmission Self Learning will be present. **Depress clutch pedal fully to allow DTC to store**, proceed to Step 4.
 - b. No >>> DTC P1302 - Transmission Self Learning will be stored, proceed to Step 4.
4. **After PCM reprogramming, the following must be performed:** clear any DTC's that may have been set in other modules due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow the tech to clear them.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-06-AV	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	8 - Engine Performance	0.3 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 11 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.

FAILURE CODE:

FM	Flash Module
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