



**NUMBER:** 18-009-15

**GROUP:** Vehicle Performance

**DATE:** January 23, 2015

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**THIS BULLETIN SUPERSEDES TECHNICAL SERVICE BULLETIN 18-066-14, DATED NOVEMBER 26, 2014, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **\*\*ASTERISKS\*\*** AND INCLUDE CHANGING THE SERVICE BULLETIN TO AN RRT STATUS.**

**THIS SERVICE BULLETIN IS ALSO BEING RELEASED AS RAPID RESPONSE TRANSMITTAL (RRT) 15-009. ALL APPLICABLE SOLD AND UN-SOLD RRT VIN'S HAVE BEEN LOADED. TO VERIFY THAT THIS RRT SERVICE ACTION IS APPLICABLE TO THE VEHICLE, USE VIP OR PERFORM A VIN SEARCH IN TECHCONNECT. ALL REPAIRS ARE REIMBURSABLE WITHIN THE PROVISIONS OF WARRANTY.**

**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: 1.4L 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 vehicles built on or before October 21, 2014 (MDH 1021XX) equipped with a 1.4L engine (sales code EAF).\*\*****

**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:

- 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 other than the ones listed above are present, record them on the repair order and repair as necessary before proceeding further with this bulletin.

**\*\*If a customer's VIN is listed in VIP or your RRT VIN list, perform the repair. For all other customers that describe 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 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.

**NOTE: \*\*If the PCM already has the latest software, use inspection LOP 18-19-06-ZB to close the action RRT.\*\***

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 the DTC to switch from active 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:**

<b>Labor Operation No:</b>	<b>Description</b>	<b>Skill Category</b>	<b>Amount</b>
**18-19-06-ZB	Module, Powertrain Control (PCM) - Inspection (0 - Introduction)	8 - Engine Performance	0.2 Hrs. **
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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