



**NUMBER:** 18-058-17

**GROUP:** 18 - Vehicle Performance

**DATE:** June 14, 2017

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**THIS BULLETIN SUPERSEDES SERVICE BULLETIN 18-079-16, DATED JULY 18, 2016, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **\*\*ASTERISKS\*\*** AND INCLUDE A NEW DIAGNOSTIC TROUBLE CODE (DTC) FOR 2014 SALES CODE ED3, LOP AND UPDATED FAILURE CODE STATEMENT.**

**FOR HELP WITH USING wiTECH FOR ECU FLASH REPROGRAMMING, CLICK ON THE APPLICATION'S "HELP" TAB.**

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

***SUBJECT:***

Flash: Powertrain Diagnostic and System Enhancements

***OVERVIEW:***

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

***MODELS:***

|             |      |                               |
|-------------|------|-------------------------------|
| 2013 - 2014 | (JS) | Chrysler 200<br>Dodge Avenger |
|-------------|------|-------------------------------|

**NOTE: This bulletin applies to vehicles equipped with a 2.4L I4 DOHC 16V Dual VVT Engine (Sales Code ED3), and a 6-Speed automatic transmission (Sales Code DG2).**

**NOTE: This bulletin applies to vehicles equipped with a 2.4L I4 PZEV 16V Dual VVT Engine (Sales Code EDG) equipped with a 6-Speed automatic transmission (Sales Code DG2) or equipped with a 4-Speed Automatic VLP Transmission (Sales Code DFF).**

***SYMPTOM/CONDITION:***

**\*\*A small number of customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find the following DTC.**

- P0335 - Crankshaft Position Sensor Circuit (2014 MY Sales Code ED3).\*\*

In addition, customers may experience any of the following:

- Rough idle (Sales Code EDG).
- A Transmission Tip-In bump (Sales Code EDG).
- Hard to start in cold ambient temps. (Sales Code EDG).
- Engine idle cycling on cold start in gear.
- Slight engine surge driving at highway speeds.

**DIAGNOSIS:**

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all related systems are functioning as designed. If DTCs are present, record them on the repair order and repair as necessary before proceeding further with this bulletin.

For all other customers that describe the symptom/condition, or if the technician finds any of 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 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 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-RS       | Module, Powertrain Control (PCM) - Reprogram (0 - Introduction) | 1 - Engine Repair and 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 use failure code CC with this Service Bulletin.**

- If the customer’s concern matches the SYMPTOM/CONDITION identified in the 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 Service Bulletin flash/reprogramming conditions.\*\*

|    |                  |
|----|------------------|
| CC | Customer Concern |
|----|------------------|