



NUMBER: 18-069-17

GROUP: 18 - Vehicle Performance

DATE: August 9, 2017

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THIS BULLETIN SUPERSEDES SERVICE BULLETIN 18-057-16 REV. A, DATED JUNE 17, 2016, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDE NEW DIAGNOSTIC TROUBLE CODE, ADDITIONAL SYMPTOM/CONDITION INFORMATION, BUILD TO DATE, UPDATED FAILURE CODE STATEMENT AND LOP.**

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:

2017

(RU)

Chrysler Pacifica

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

NOTE: This bulletin applies to vehicles built on or before **June 29, 2017 (MDH 0629XX)** and equipped with 3.6L V6 24V VVT Engine Upg I W/ESS (Sales Code ERC) or****** equipped with 3.6L V6 24V VVT Engine (Sales Code ERF) and 9-SPD 948TE FWD Auto Trans (Sales Code DFH).**

SYMPTOM/CONDITION:

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation, a technician may find the following Diagnostic Trouble Codes (DTCs) have been set:

- ****U1400-00 - Implausible TPS Signal Received ****
- P1D73 - AGS Performance - (Active Grill Shutter).
- P0171 - Fuel System 1/1 Lean.
- P0174 - Fuel System 2/1 Lean.

**The following Diagnostic Trouble Codes (DTCs) have been changed from a one trip fault to a two trip fault:

- P0335 - Crankshaft Position Sensor Circuit.
- P0339 - Crankshaft Position Sensor Intermittent.
- P0340 - Camshaft Position Sensor Circuit - Bank 1 Sensor 1.
- P0344 - Camshaft Position Sensor Intermittent - Bank 1 Sensor 1.
- P0345 - Camshaft Position Sensor Circuit - Bank 2 Sensor 1.
- P0349 - Camshaft Position Sensor Intermittent - Bank 2 Sensor 1.
- P0365 - Camshaft Position Sensor Circuit - Bank 1 Sensor 2.
- P0369 - Camshaft Position Sensor Intermittent - Bank 1 Sensor 2.
- P0390 - Camshaft Position Sensor Circuit - Bank 2 Sensor 2.
- P0394 - Camshaft Position Sensor Intermittent - Bank 2 Sensor 2.**

The technician may also find the following DTC stored in the Anti-lock Brake System (ABS) Module memory:

NOTE: The following Diagnostic Trouble Code (DTC) is caused by a calibration in the PCM that is in conflict with the ABS Module programming. The new software flash will correct this issue.

- C121C-00 - Torque Request Signal Denied.

This software release also includes:

- **Improvement at lower ambient temperatures for Engine Stop/Start (ESS) Starts.
- Improvements to vehicle drivability during a cam sensor and/or crank sensor malfunction.**
- Transmission quick learn.
- Engine enhancements.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, 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.

REPAIR PROCEDURE:

NOTE: The Transmission Control Module (TCM) must be updated to the latest available software at the conclusion of this repair procedure. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the TCM software.

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 modules due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.
3. Verify the TCM is programmed with the latest available software. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the TCM software.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-06-SR	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 2 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 SB flash/reprogramming conditions.**

CC	Customer Concern
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