



NUMBER: 18-001-19 REV. B

GROUP: 18 - Vehicle Performance

DATE: May 1, 2019

This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of FCA US LLC.

This bulletin supersedes Service Bulletin 18-001-19 REV. A, dated March 30, 2019, which should be removed from your files. All revisions are highlighted with **asterisks**** and include additional symptom/condition, LOP and RRT failure code statement.**

****This Service Bulletin is also being released as Rapid Response Transmittal (RRT) 19-036, dated May 01, 2019. All applicable Sold and Un-Sold RRT VINs have been loaded. To verify this RRT service action is applicable to the vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. All repairs are reimbursable within the provisions of warranty (APAC).****

SUBJECT:

Flash: Powertrain Control Module (PCM) Updates

OVERVIEW:

This bulletin involves reprogramming the PCM with the latest available software.

MODELS:

2018 (RU) Chrysler Pacifica

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

NOTE: This bulletin applies to vehicles equipped with a 3.6L V6 24V VVT Engine Upg I W/ESS (Sales Code ERC) or with a 3.6L V6 24V VVT Engine (Sales Code ERF).

SYMPTOM/CONDITION:

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation, a technician may find one or more of the following DTCs have been set:

- P06E9 - Engine Starter Performance.
- U0418 - Implausible Data Received From Brake System Control Module 1.
- U0432 - Invalid Data Received From Multi-Axis Acceleration Sensor Module.
- P06EF - Engine Restart Performance.

Software update will help reduce engine crank time, setting a false P06EF.

- P00FD - Battery -B- State Of Charge Performance.
- C2222-68 - Improper Powerdown - Event Information.
- P0607-00 - ECU Internal Performance - ESM.
- U0402-00 - Implausible Data Received From TCM.
- U145D-00 - Implausible Data Received From TCM On D-PT.
- U1465-00 - Implausible Driver Shift Request Signal Received.
- P0456 - Evap System Small Leak.

If no faults were found when performing normal diagnostic, perform this software update.

- P258B - Electronic Vacuum Pump Performance.

- P0503 - Vehicle Speed Sensor 1 Erratic.

Customer may also experience one or more of the following:

- **Customer or technician may be unable to read data information from the OBDII connector when using a generic scan tool (APAC only).**
- Rough Idle.
- Vibration felt in the seat at Idle.
- Idle undershoot, just before a complete stop.
- Engine Start Stop (ESS) disabled during an autostart, requiring the driver to key restart.
- ESS message appears in the Electronics Vehicle Information Center (EVIC) "Stop/Start Restart Required Fault Detected".

This software release also includes the following software enhancements:

- Prevent the ESS Aux battery from drying out on vehicles driven in hot regions and conditions.
- AGS controls modifications to reduce engine compartment temperatures.
- Limp home RPM correction in a double pedal fault scenario.
- Improvements to address an occasional engine stall during a panic brake situation from 45 kph (28 mph) on slippery road conditions.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in DealerCONNECT/Service Library, 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 a customer's VIN is listed in VIP or your RRT VIN list, perform the repair. If any vehicle not on the VIN list exhibits the symptom/condition or DTC, perform the repair.****

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
18-19-06-99	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	1 - Engine Repair and Performance	0.2 Hrs.
**18-19-06-9X	Module, Powertrain Control (PCM) - Reprogram (Vehicles on RRT Only) (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 choose which failure code to use depending on if this is a Rapid Response Transmittal (RRT) or Service Bulletin.**

- The “RF” failure code is required for essential module flash/reprogramming and can only be used after confirmation that the VIN is included on the RRT.
- The failure code “RF” (Required Flash) can no longer be used on Service Bulletin flashes. **The “RF” failure code must be used on an RRT.**
- 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 must be supplied.**

RF	Required Flash - RRT
CC	Customer Concern