



NUMBER: 18-071-20

GROUP: 18 - Vehicle Performance

DATE: August 28, 2020

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 18-036-17, dated April 12, 2017, which should be removed from your files. All revisions are highlighted with **asterisks**** and include build dates, additional symptom and LOP**

SUBJECT:

Flash: Powertrain Control Module (PCM) Updates

OVERVIEW:

This bulletin involves reprogramming the PCM with updated software.

MODELS:

2017	(LA)	Dodge Challenger
2017	(LX)	Chrysler 300
2017	(LD)	Dodge Charger

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

NOTE: This bulletin applies to vehicles

- Built on or before March 22, 2017 (MDH0322XX) equipped with 5.7L V8 Hemi VVT Engine (Sales Code EZC) equipped with 6-Speed Manual Tremec Transmission (Sales Code DEC).
- Built on or before March 22, 2017 (MDH0322XX) equipped with 5.7L V8 Hemi MDS VVT Engine (Sales Code EZH) equipped with 8-Speed Automatic 8HP70 Transmission (Sales Code DFK) or 5-Speed Automatic W5A580 Transmission (Sales Code DGJ).
- **** LD vehicles equipped with 5.7L V8 Hemi MDS VVT Engine (Sales Code EZH) equipped with 8-Speed Automatic 8HP70 Transmission (Sales Code DFK) or 5-Speed Automatic W5A580 Transmission (Sales Code DGJ) and with Police Group (Sales Code AHB) or Special Service Group (Sales Code AHV).****

SYMPTOM/CONDITION:

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find the following Diagnostic Trouble Code (DTC) set in the PCM memory:

- U1424-00 - Implausible Engine Torque Signal Received.

**In addition, the customer may notice:

- An unpleasant odor in the vehicle under certain extreme ambient conditions (**LD vehicles with Sales Codes EZH with Police Group (Sales Code AHB) or Special Service Group (Sales Code AHV)**).**

The following software enhancements are also available:

- Reverse gear lock-out change from 16 kph (10 mph) to 4.8 kph (3 mph) (**Sales Code EZC with DEC**).
- Change to purge vapor control calibration (**Sales Code EZH with DGJ**).
- Oxygen sensor (O2) feedback control changes to improve 3rd gear tip in oscillation at high load (**Sales Code EZH with DFK**).
- Calibration update to allow the throttle body to be cycled while the engine is off, for diagnostic purposes.
- Improved transmission shifting during a limp mode.

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

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.

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.

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.
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-CT	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
----	------------------