



NUMBER: 21-016-17 REV. A

GROUP: 21 - Transmission and Transfer Case

DATE: August 25, 2017

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THIS BULLETIN SUPERSEDES SERVICE BULLETINS 21-016-17, DATED APRIL 12, 2017 AND 21-036-17, DATED AUGUST 03, 2017, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDE COMBINING BOTH BULLETINS AND A SYMPTOM/CONDITION FOR LX AND LD ONLY.**

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: Transmission Diagnostic and Shift Enhancements

OVERVIEW:

This bulletin involves reprogramming the Transmission Control Module (TCM) with the latest available software.

MODELS:

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

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 May 26, 2017 (MDH 0526XX) equipped with an 5.7L V8 HEMI MDS VVT Engine (Sales Code EZH) and an 8-SPD Auto 8HP70 Transmission (Sales Code DFK).

SYMPTOM/CONDITION:

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

- U1424-00 - Implausible Engine Torque Signal Received.
- P1DB8-00 - Unintended Torque Applied While In Neutral.

Customers may describe the following:

- ****Poor shift quality on coast down shifts (bumps) (LX and LD Only).****

In addition, the following software enhancement is available:

- Improved transmission shifting during a limp mode.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all related systems are functioning as designed. If Diagnostic Trouble Codes (DTCs) or symptom conditions, other than the ones listed 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, perform the Repair Procedure.

REPAIR PROCEDURE:

NOTE: The Powertrain Control Module (PCM) **MUST** be updated to the latest available software. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the PCM 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 TCM with the latest available software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
2. **Clear the shift adaptives in the TCM's memory and relearn the adaptives through transmission 'QuickLearn'. Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: Service Info>28 - DTC-Based Diagnostics/ Module, Transmission Control (TCM), 8HP70/Standard Procedure.**
3. 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.
4. Verify the PCM is programmed with the latest available software. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the PCM software.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-05-FG	Module, Transmission Control (TCM) - Reprogram and Perform Quick Learn Routine (0 - Introduction)	2 - Automatic Transmission	0.5 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 3 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
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