



NUMBER: 21-025-17 REV. A

GROUP: 21 - Transmission and Transfer Case

DATE: August 23, 2017

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THIS BULLETIN SUPERSEDES SERVICE BULLETIN 21-025-17, DATED JUNE 08, 2017, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDE ENHANCED SOFTWARE 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: 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

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

NOTE: This bulletin applies to vehicles built on or before May 18, 2017 (MDH 0518XX) equipped with a 6.4L V8 SRT Hemi MDS Engine (Sales Code ESG) and a (8HP70) 8-Speed Automatic Transmission (Sales Code DFK).

SYMPTOM/CONDITION:

Customers may experience the following condition:

- During an engine limp mode condition, the transmission remains in a fixed gear.
- Poor shift quality (bumps) on coast down shifts.

This software update also includes the following enhancements:

- ****Improved transmission adaptation (to address coastdown shift bumps) (Sales Code ESG only).****
- Allow transmission gear shifting in the limp-in mode rather than fixed gear.

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 or if the technician finds the DTC, 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), 8HP45/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 TCM software.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

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

NOTE: The expected completion time for the flash download portion of this procedure is approximately 4 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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