



**NUMBER:** 21-029-18

**GROUP:** 21 - Transmission and Transfer Case

**DATE:** May 23, 2018

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**THIS BULLETIN SUPERSEDES SERVICE BULLETIN 21-047-17, DATED NOVEMBER 08, 2017, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **\*\*ASTERISKS\*\*** AND INCLUDES ADDITIONAL MARKETS, UPDATED BUILD DATE, DIAGNOSTIC TROUBLE CODES (DTCs) 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:***

2018	(WD)	Dodge Durango
2018	(WK)	Jeep Grand Cherokee

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

**NOTE: This bulletin applies to vehicles built on or before **\*\*May 08, 2018 (MDH 0508XX)\*\*** equipped with a 3.6L V6 24V VVT Engine UPG I W/ESS (Sales Code ERC) and 8-SPD Auto 850RE Trans (Sales Code DFT).**

***SYMPTOM/CONDITION:***

\*\*Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that the one or more of the following DTC has been set:

- P0979-00 - Shift Solenoid 3 Control Circuit Low (All Markets).
- P0219-00 - Engine Overspeed Condition (All Markets).
- P1B14-00 - Park-by-wire Unintended Park Position (LATAM, EMEA and APAC).

**NOTE: P1B14-00 will set when the driver comes to an Engine Stop/Start (ESS) stop, shifts to park, then drive and then to neutral.\*\***

Customers may also experience the following:

- \*\*Unable to shift the transmission from park, when DTC P0979-00 is active.\*\*
- A “bump” or “jerk” during a garage shift immediately after starting the engine (NAFTA and APAC).

**NOTE: The above symptom/condition can only be duplicated at startup when vehicle has been shut down for at least 5 minutes.**

- Poor shift quality or ‘bump’ experienced during or immediately after ESS restart (NAFTA and APAC).

***DIAGNOSIS:***

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all related systems are functioning as designed. 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: 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 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 allows them to be cleared.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:	Description	Skill Category	Amount
**18-19-05-HR	Module, Transmission Control (TCM) - Reprogram (0 - Introduction)	2 - Automatic Transmission	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
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