



NUMBER: 21-029-14

GROUP: Transmission and Transfer Case

DATE: September 30, 2014

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THIS SERVICE BULLETIN IS ALSO BEING RELEASED AS RAPID RESPONSE TRANSMITTAL (RRT) 14-076. ALL APPLICABLE SOLD AND UN-SOLD RRT VIN'S HAVE BEEN LOADED. TO VERIFY THAT THIS RRT SERVICE ACTION IS APPLICABLE TO THE VEHICLE, USE VIP OR PERFORM A VIN SEARCH IN TECHCONNECT. ALL REPAIRS ARE REIMBURSABLE WITHIN THE PROVISIONS OF WARRANTY.

HELP USING THE wiTECH DIAGNOSTIC APPLICATION FOR FLASHING AN ECU IS AVAILABLE BY SELECTING "HELP" THEN "HELP CONTENTS" AT THE TOP OF THE wiTECH DIAGNOSTIC APPLICATION WINDOW.

THE wiTECH SOFTWARE LEVEL MUST BE AT 15.01 OR HIGHER TO PERFORM THIS PROCEDURE.

SUBJECT:

Flash: MIL Illumination For P1DCF, P1DD0, P1DB8

OVERVIEW:

This bulletin involves selectively erasing and reprogramming the Transmission Control Module (TCM) with new software.

MODELS:

2015	(KL)	Jeep Cherokee
2015	(UF)	Chrysler 200

NOTE: This bulletin applies to vehicles equipped with the following:

- Cherokee with 2.4L I4 Multi Air ENGINE (sales code ED6) with 9-SPD 948TE FWD/AWD AUTO TRANS (sales code DFH) with 4.083 FINAL DRIVE RATIO (sales code DLT) or 3.734 FINAL DRIVE RATIO (sales code DME) built on or before September 10, 2014 (MDH0810XX)
- Cherokee with ED6 2.4L I4 Multi Air ENGINE (sales code ED6) with 9-SPD 948TE 4WD AUTO TRANS (sales code DFJ) with 4.083 FINAL DRIVE RATIO (sales code DLT) or 3.734 FINAL DRIVE RATIO (sales code DME) built on or before September 10, 2014 (MDH0810XX)
- Cherokee with 3.2L V6 24V VVT ENGINE (sales code EHB) 9-SPD 948TE FWD/AWD AUTO TRANS (sales code DFH) built on or before September 10, 2014 (MDH0810XX)
- Cherokee with 3.2L V6 24V VVT ENGINE (sales code EHB) 9-SPD 948TE 4WD AUTO TRANS (sales code DFJ) built on or before September 10, 2014 (MDH0810XX)
- 200 with 2.4L I4 Multi Air ENGINE (sales code ED6) built on or before September 08, 2014 (MDH0810XX)
- 200 with 2.4L I4 PZEV M-AIR ENGINE (sales code ED8) built on or before September 08, 2014 (MDH0810XX)
- 200 with 2.4L I4 PZEV M-AIR ENGINE W/ ESS ENGINE (sales code EDE) built on or before September 08, 2014 (MDH0810XX)
- 200 with 2.4L I4 Muti Air ENGINE W/ ESS (sales code EDD) built on or before September 08, 2014 (MDH0810XX)

SYMPTOM/CONDITION:

The following Transmission Control Module (TCM) calibration improvements are available for (KL) Jeep Cherokee.

Both engines ((EHB) 3.2L V6 24V VVT and (ED6) 2.4L I4 Multi Air)

- P1DB8 Unintended Torque Applied while in Neutral (set due to erroneous DTC)
- P1DCF TCM Monitoring Processor Performance - Unallowed Park Engagement due to ABS Failure (set due to erroneous DTC).
- P1DD0 TCM Monitoring Processor Performance - Unallowed Park Engagement (set due to erroneous DTC).

2.4L KL (ED6) only

- Shift comfort complaint on 1-2 and 2-3 upshifts when lifting foot off throttle
- P1DCF TCM Monitoring Processor Performance - Unallowed Park Engagement due to ABS Failure (set due to erroneous DTC).
- P1DD0 TCM Monitoring Processor Performance - Unallowed Park Engagement (set due to erroneous DTC).
- Busy shifting from transmission on grades
- Shift busyness at 75 MPH with 7-8 and 8-7 shifts
- Shift comfort complaint on 3-2 and 2-1 coasting downshifts in Sport mode

3.2L KL (EHB) only

- Shift comfort complaints during ESS auto-start and launch

The following Transmission Control Module (TCM) calibration improvements are available for (UF) 200.

- P1DB8 Unintended Torque Applied while in Neutral set due to erroneous DTC
- Slow to downshift. Fixed by making 9-7, 7-4, and 6-4 downshifts more available

- Poor shift quality on 1-2 and 2-3 lift-foot upshifts
- Poor shift quality on 4-3 downshift while coasting
- Poor shift quality on 4-3, 3-2, and 2-1 coasting downshifts in Sport mode

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all TCM systems are functioning as designed. If DTCs are present other than the ones listed above, record them 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. For all other customers that describe the symptom/condition or if the technician finds 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.

1. Reprogram the TCM with the latest software. Help using the wiTECH Diagnostic Application for flashing control modules is available through the wiTECH Diagnostic Application. For instructions select the “HELP” tab on upper portion of the wiTECH window, then “HELP CONTENTS”. This will open the Welcome to wiTECH Help screen where help topics can be selected.
2. Clear any DTCs that may have been set in other modules due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow the tech to clear them.

NOTE: For (UF) 200 only after the Flash a “PROXI Configuration Alignment” routine must be run.

NOTE: TCM VIN Verification routine must be run to write the VIN to the trans after this flash.

NOTE: This flash will clear the transmission adaptive values. Transmission requires the transmission Adaptation Learn Procedure. Refer to Service Bulletin 21-013-13 for detailed procedures.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-05-J9	Module, Transmission Control Module- (TCM) - Reprogram (UF) 200	2 - Automatic Transmission	0.3 Hrs.

	(1 - Semi-Skilled)		
18-19-05-K9	Module, Transmission Control Module- (TCM) - Reprogram (KL) Cherokee (1 - Semi-Skilled)	2 - Automatic Transmission	0.2 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 3 minutes. Actual flash download times may be effected by vehicle connection and network capabilities.

FAILURE CODE:

FM	Flash Module
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