



NUMBER: 21-040-16

GROUP: Transmission and Transfer Case

DATE: November 29, 2016

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.

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 Shift And Drivability Enhancements

OVERVIEW:

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

MODELS:

2016 (K4) Jeep Cherokee (China)

**NOTE: This bulletin applies to vehicles within the following markets/countries:
APAC (China Market).**

NOTE: This bulletin applies to vehicles equipped with a 2.4L Engine (Sales Code EDD), 9 Speed Automatic Transmission (Sales Code DFH), 3.73 Final Drive Ratio (Sales Code DME), Export Emissions (Sales Code NA1), and Active Grille Shutters (Sales Code MDX).

SYMPTOM/CONDITION:

Some customers may experience a less than desirable upshift in the transmission.

The following enhancements are included in the software update:

- Transmission up shift quality enhancement in conjunction with Powertrain Control Module (PCM) reprogram.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all related systems are functioning as designed. If any DTCs or symptom conditions, other than the one listed above 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: 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.

NOTE: Upon completion of this ECU reprogramming session an additional key cycle may be required to clear active DTCs.

3. Verify the Powertrain Control Module (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
18-19-05-10	Module, Transmission Control (TCM) Reprogram (1 - Semi Skilled)	2 - Automatic Transmission	0.2 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 choose which failure code to use. If the customer came in with an issue and the dealer found updated software to correct that issue, use failure code CC, for all other use failure code RF.

- If the customer's concern matches the SYMPTOM/CONDITION identified in the Service Bulletin, failure code CC is to be used.
- If an available flash is completed while addressing a different customer concern, failure code RF is to be used.

CC	Customer Concern
RF	Routine Flash