



NUMBER: 21-034-22

GROUP: 21 - Transmission and Transfer Case

DATE: December 2, 2022

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.

SUBJECT:

Flash: Transmission Control Module (TCM) Updates

OVERVIEW:

This bulletin involves reprogramming the TCM with the latest available software.

MODELS:

2022 (DT) RAM 1500 Pickup

NOTE: This bulletin applies to vehicles within the following markets/countries: North America.

NOTE: This bulletin applies to vehicles built on or before September 28, 2022 (MDH 0928XX) equipped with a 5.7L V8 HEMI MDS VVT eTorque Engine (Sales Code EZL) and an 8SPD Auto 8HP75 transmission (Sales Code DFR).

SYMPTOM/CONDITION:

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that the following Diagnostic Trouble Code (DTC) has been set:

- P0735 - Gear 5 Shift Incorrect Ratio.

Customers may comment on one or more of the following:

- Low speed tip in bumps/hesitation.
- Low speed coast down bump in tow/haul mode.

The following enhancement is also available:

- Low speed coast down throttle improvements during hot/cold conditions/faulted Hybrid Control Processor (HCP) system state.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in DealerConnect/Service Library, verify all related systems are functioning as designed. If 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: Upon completion of this TCM flash reprogramming session, please verify that the HCP and PCM ECUs are at the latest updated level before returning the vehicle to customer. This ECU flash file supports new part replacement (generic state) and TSBs, RSUs, CSNs and Recalls may not apply. Please see all applicable service information when replacing an ECU.

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 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.
3. Verify the PCM and HCP are programmed with the latest available software. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the PCM and HCP software.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-05-RQ	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 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 Technical Service Bulletin.

- If the customer's concern matches the SYMPTOM/CONDITION identified in the Technical 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 Technical Service Bulletin flash/reprogramming conditions.

CC	Customer Concern
----	------------------