

Technical Service Bulletin (TSB)

Flash: Drivetrain Control Module (DTCM) Updates

REFERENCE:	TSB: 08-162-24 GROUP: 08 - Electrical	Date:	July 11, 2024	REVISION:	–
VEHICLES AFFECTED:	2021 - 2023 (JL) Jeep Wrangler This bulletin applies to vehicles equipped with a 6.4L V8 SRT Hemi MDS Engine (Sales Code ESG) and a 2.72:1 Select-Trac Full Time 4WD SYS (Sales Code DHP).			MARKET APPLICABILITY: ☒ NA☒ MEA ☐ SA☐ IAP ☐ EE☐ CH	
CUSTOMER SYMPTOM:	Customers must experience a Malfunction Indicator Lamp (MIL) illumination and the vehicle must exhibit/set the following Diagnostic Trouble Code (DTC): C140E-00 - Transfer Case Motor Blocked.				
CAUSE:	DTCM update				

REPAIR SUMMARY:

This bulletin involves reprogramming the DTCM with the latest available software and possibly replacing the transfer case motor actuator.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-07-AQ	Module, Drivetrain Control (DTCM) - Reprogram (0 - Introduction)	6 - Electrical and Body Systems	0.3 Hrs.
18-19-07-AR	Module, Drivetrain Control (DTCM) - Reprogram and Replace Transfer Case Shift Motor (0 - Introduction)	6 - Electrical and Body Systems	0.4 Hrs.
Failure Code	CC	Customer Concern	

The dealer must use failure code CC with this Technical Service Bulletin.

- If the customer's concern matches the SYMPTOM 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.

SPARE PARTS:

Qty	Part No.	Description	Notes
1 (AR)	68391530AA	Actuator, Transfer Case	Shift Motor

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 above are present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If the customer describes any of the symptoms listed above in the customer symptom section, perform the Repair Procedure.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	—	—

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 DTCM with the latest available software. If issues arise when flashing a module using the wiTECH Diagnostic Application, please submit a ticket to the Helpdesk. The helpdesk can be found within the Help menu.
2. Clear all DTCs that may have been set in any module due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.
3. Road test the vehicle and shift the transfer case into each position to verify it's functioning properly.
4. Did the transfer case function properly?
 - YES >>> This bulletin has been completed.
 - NO >>> **DTC C140E-00** and Service 4wd MIL were set. Proceed to [Step 5](#).
5. Replace the transfer case motor actuator. Refer to the detailed service procedures available in DealerCONNECT/ Service Library under: Service Info >21 - Transmission and Transfer Case / Transfer Case, MP3022C / Motor, Shift / Removal and Installation.

POLICY:

Reimbursable within the provisions of the warranty.

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.