

Technical Service Bulletin (TSB)
Flash: Drivetrain Control Module (DTCM) Updates

REFERENCE:	TSB: 08-002-24 GROUP: 08 - Electrical	Date:	January 3, 2024	REVISION:	08-114-23
VEHICLES AFFECTED:	2022 (WL) Jeep Grand Cherokee / Grand Cherokee L This bulletin applies to vehicles equipped with Quadra-Trac II (R) 4WD System (Sales Code DHY).	MARKET APPLICABILITY:			
		<input checked="" type="checkbox"/> NA		<input checked="" type="checkbox"/> MEA	
		<input checked="" type="checkbox"/> SA		<input checked="" type="checkbox"/> IAP	
		<input checked="" type="checkbox"/> EE		<input type="checkbox"/> CH	
CUSTOMER SYMPTOM:	A moaning, grinding, or groaning type noise while driving between 80 - 112 kph (50 - 70 mph). Noise is not heard when the front axle disconnect is disengaged. NOTE: **This noise happens more as the ambient temperatures become less than 5 °C (41 °F).**				
CAUSE:	DTCM Software.				

This bulletin supersedes Technical Service Bulletin (TSB) 08-114-23, date of issue May 03, 2023, which should be removed from your files. All revisions are highlighted with ****asterisks**** and includes new software and LOP.

REPAIR SUMMARY:

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

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-07-AH	Module, Drivetrain Control (DTCM) - Reprogram (Sales Code DHY Only) (0 - Introduction)	06 - Electrical and Body Systems	0.3 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.

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 Diagnostic Trouble Codes (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 symptom 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.

CAUTION!!

The supplier of this DTCM ECU has determined this DTCM may not be abort recoverable if the flash process is interrupted or aborted during the flash reprogramming process. This is an DTCM ECU issue and should not be mistaken for a wiTECH tool issue.

1. Using wiTECH, create a vehicle scan report.
2. With the engine running, perform the DTCM routine “DTCM Replacement with Value Transfer” using the option “Save values from the Original DTCM”. Choose the “1 - Speed Transfer Case”.
3. Reprogram the DTCM 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.

NOTE: The wiTECH tool must be removed from the OBD port.

4. Perform a sleep cycle to ensure the module is updated correctly.

NOTE: Make sure all accessories are off, place the ignition in the OFF position and close all doors. The key fob must be at least 6.0 m (20ft.) from the vehicle, while monitoring the PRNDL lights to ensure they have turned off as this will indicate that the bus is in a sleep cycle.

NOTE: It is not required to run the DTCM routine “DTCM Replacement with Value Transfer” using the option “Write values to the New DTCM” after reprogramming.

5. 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.
6. Road test the vehicle to verify the noise has been eliminated.

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.