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Case Number: S2608000006 Rev. A

Release Date: March 2026

Models Affected: 2026 Jeep Cherokee (KM)

Symptom/Vehicle Issue: Limp Home Mode, Red Wrench Lamp Illuminated. DTCs P0C01-00 - Drive Motor A Current High And/Or P0C04-00 - Drive Motor B Current High

Discussion: Vehicle may arrive at the dealer in Limp Home mode and the Red Wrench Lamp (MIL) illuminated in the cluster. Upon scanning the vehicle for DTCs you may find P0C01-00 - Drive Motor A Current High and/or P0C04-00 - Drive Motor B Current High.

This condition may be caused by improperly torqued bolts for the High Voltage (HV) 3 phase cabling which runs between the Transmission and Drive Motor Power Inverter (DMPI). During installation, cross threading of the bolts and metallic debris may have compromised the integrity of the cable and joint connections leading to damage.

Caution: Before Proceeding Perform The High Voltage Power Down Procedure In Service Library!

12 - Electrified Powertrain System / High Voltage Battery / Standard Procedure - HIGH VOLTAGE POWER DOWN

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechConnect, eCONTACT or Service Library entry if no solution is found.

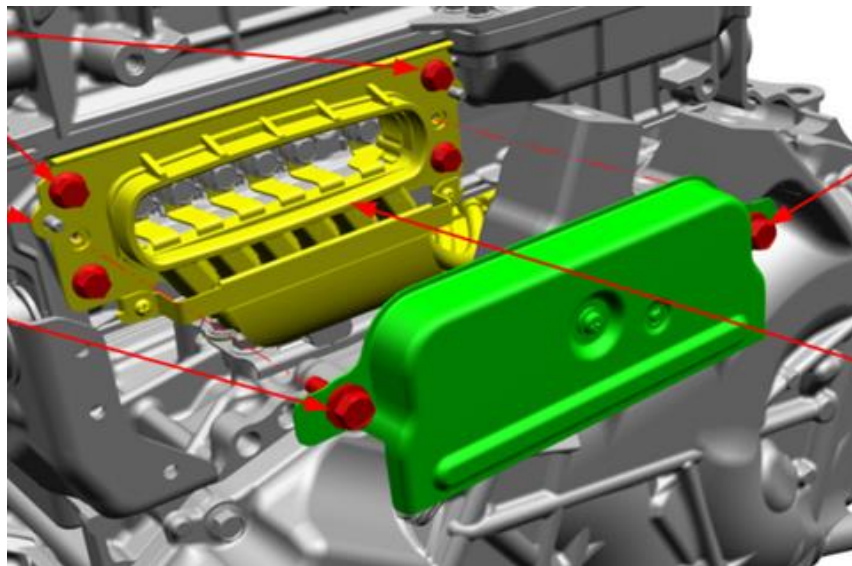


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Diagnosis: You will need to visually inspect the HV cable/joint connections at the DMPI and Transmission looking for signs of cross-threading, damage, loose connections, and metallic debris.

1. Remove the DMPI cable interface cover (Green) and bolts securing the cables.
DO NOT USE POWER TOOLS



Inspect the DMPI connections for signs of cross-threading, damage, loose connections, and metallic debris. Take pictures of any abnormal conditions.

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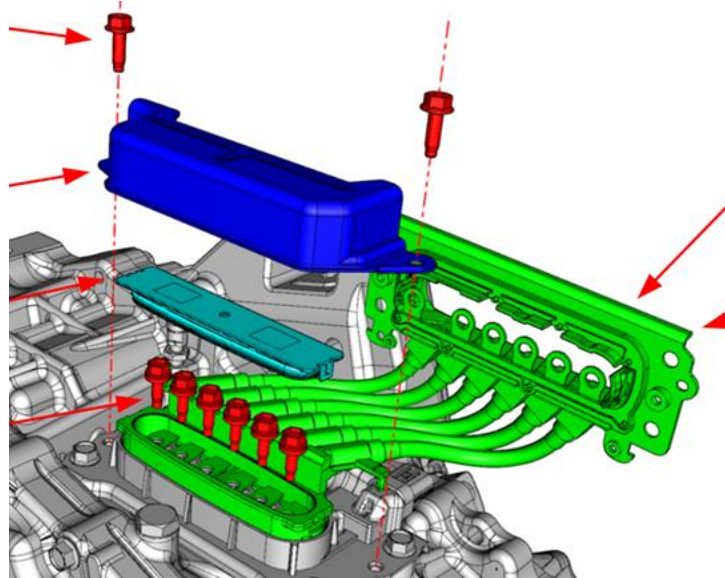


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2. Remove the Transmission cable interface cover (Blue) and bolts securing the cables.

DO NOT USE POWER TOOLS



Visually inspect the Transmission connections for signs of cross-threading, damage, loose connections, and metallic debris. Take pictures of any abnormal conditions.

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If visual inspection does not clearly identify the issue. Resistance checks should be performed and compared to the specification table below. It is suggested to print off this page and fill in the “Measurement” box with your readings.

EM1 (Motor A)				
Terminals	Units	Min.	Max.	Measurement
1V to 1U	milohm	24.4	29	
1V to 1 W	milohm	25.5	28.3	
1U to 1 W	milohm	24.4	29	
% difference	%	5%		
1V to ground	Mohm	2.5	-	
1U to ground	Mohm	2.5	-	
1W to ground	Mohm	2.5	-	
EM2 (Motor B)				
Terminals	Units	Min.	Max.	Measurement
2V to 2U	milohm	29.2	32.2	
2V to 2 W	milohm	29.3	32.3	
2U to 2 W	milohm	29.2	32.2	
% difference	%	-	5	
2V to ground	Mohm	2.5	-	
2U to ground	Mohm	2.5	-	
2W to ground	Mohm	2.5	-	

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Repair: Replace any component which are damaged or found to be outside of specification.

STAR Restriction: At the time of this publication the DMPI and Transmission (motor) can only be ordered through STAR Center. To replace these components, you will need to open a case with STAR and provide diagnostics details. If damage is visually identified, be sure to take pictures and attach them to the case. If the resistance values are outside specification, be sure to document and include readings in your submission.

Note: Engineering does not advise re-tapping cross-threaded connection joints. If cross-threading is identified, the associated component (Transmission or DMPI) will need to be replaced.

If no concerns are found through your visual inspection and testing. Reassemble the components, making sure the joints are clean.

Torque to specifications:

12 Nm - Cables to DMPI

8 Nm - Cables to Transmission

DO NOT USE POWER TOOLS DURING REASSEMBLY

If DTC P0C01 or P0C04 remain a concern. Continue diagnostics using applicable DTC flow chart.

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