

Technical Service Bulletin (TSB)

Transmission Harness Wiring Rubbing Against PCM Sharp Edge

REFERENCE:	TSB: 08-141-23 GROUP 08 - Electrical	Date:	June 10, 2023	REVISION:	–
VEHICLES AFFECTED:	2023 (MP) Jeep Compass This bulletin applies to vehicles built on and after January 12, 2023 (MDH 0112XX) and on and before April 10, 2023 (MDH 0410XX) equipped with the 2.0L I4 DOHC DI Turbo Engine W/ESS (Sales Code EC1) and Eight Speed Automatic 8F30 Transmission (Sales Code DGD).			MARKET APPLICABILITY: ☒ NA☐ CH ☐ EE☐ IAP ☐ SA☐ MEA	
CUSTOMER SYMPTOM:	Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find one or more of the following Diagnostic Trouble Codes (DTCs) have been set: • P0882 - Transmission Control Module (TCM) Power Input Signal Low. • P0883 - TCM Power Input Signal High. • P0983 - Shift Solenoid 4 Control Circuit High. • P0707 - Transmission Range Sensor "A" Circuit Low. Customers may also comment on the following: • Transmission in limp-home mode.				
CAUSE:	Transmission harness possible damaged and/or wiring severed at the Powertrain Control Module (PCM).				

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 23-165, date of issue June 10, 2023. All applicable RSU VINs have been loaded. To verify this RSU service action is applicable to the vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. All repairs are reimbursable within the provisions of warranty. This RSU will expire 18 months after the date of issue.

REPAIR SUMMARY:

This bulletin involves installing foil tape and possibly repairing a wiring harness.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
08-19-06-9G	Wiring Harness - Inspect and Install Foil Tape (2 - Skilled)	6 - Electrical and Body Systems	0.6 Hrs.
08-19-06-9H	Wiring Harness Inspect, Repair (One Wire) and Install Foil Tape (2 - Skilled)	6 - Electrical and Body Systems	0.8 Hrs.
Failure Code	ZZ	Service Action	

RELATED TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
08-19-06-52	Repair Two Additional Wires (2 - Skilled)	6 - Electrical and Body Systems	0.1 Hrs.

SPARE PARTS:

Qty	Part No.	Description	Notes
2 (AR)	05160288AA	Foil Tape	-
(AR)	05018526AA	Splice Kit	-

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 a customer's VIN is listed in VIP or your RSU VIN list, perform the repair. If any vehicle not on the VIN list exhibits 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	—	—
Crimping Tool	10042	—

INSPECTION:

1. Remove the PCM. Refer to the detailed service procedures listed in DealerCONNECT under: 08 - Electrical / 8E - Electronic Control Modules / Module, Powertrain Control (PCM) / Removal.
2. Inspect transmission harness near PCM. Check for any damage on the harness.



Fig. 1
TCM Harness

3. Are there any damaged or severed wires in the harness (Fig. 1) ?
 - YES>>> Proceed to [Step 1](#) of the Repair Procedure.
 - NO>>> Proceed to [Step 4](#) of the Inspection Procedure.

4. Install two pieces of foil backed sealing tape onto the edge of the PCM where the harness crosses over (Fig. 2) . Use Inspect and Install Foil Tape LOP (08-19-06-9G) to close this active RSU.



Fig. 2
Foil Tape At PCM

5. Install the PCM. Refer to the detailed service procedures listed in DealerCONNECT under: 08 - Electrical / 8E - Electronic Control Modules / Module, Powertrain Control (PCM) / Installation.

REPAIR PROCEDURE:

1. Repair the TCM wiring harness. Refer to the detailed service procedures listed in DealerCONNECT>Service Library under: 28 - DTC-Based Diagnostics / Circuit Testing Procedures / Standard Procedure/Wire Splicing.
2. Install two pieces of foil backed sealing tape onto the edge of the PCM where the harness crosses over (Fig. 2) .
3. Install the PCM. Refer to the detailed service procedures listed in DealerCONNECT under: 08 - Electrical / 8E - Electronic Control Modules / Module, Powertrain Control (PCM) / Installation.

POLICY:

Reimbursable within the provisions of the warranty.

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