

Technical Service Bulletin (TSB)

Vehicle Will Not Start With Display Of The Message "Electric Traction System Fault"

REFERENCE:	TSB: 21-050-26 GROUP: 21 - Transmission and Transfer Case	Date:	June 6, 2026	REVISION:	—
VEHICLES AFFECTED:	2026 (MW) Jeep Compass This bulletin applies to vehicles equipped with a 1.6L I4 EP Turbo PHEV Engine (Sales Code EJQ).			MARKET APPLICABILITY: ☐ NA☒ MEA ☒ SA☒ IAP ☒ EE☐ CH NOTE: This bulletin applies to South America, Enlarged Europe, Middle East & Africa, and India & Asia Pacific markets.	
CUSTOMER SYMPTOM:	Customers must experience a Malfunction Indicator Lamp (MIL) illumination and the vehicle must exhibit/set one or more of the following Diagnostic Trouble Codes (DTCs): - P0BD8-11 - Drive Motor Inverter Temperature Sensor "D" Circuit Low. - P0A78-01 - Drive Motor "A" Inverter Performance. - P0AEF-11 - Drive Motor Inverter Temperature Sensor "A" Circuit Low. - P10D3-41 - High Level Driving Power Transistor Of The Inverter Of The Electric Traction Machine - General Checksum Failure (Electric Machine Management ECU). Customers may also comment on one or more of the following: - Vehicle does not start. "Electric Traction System Fault" message displayed in the Instrument Panel Cluster (IPC).				
CAUSE:	Traction electric machine inverter on the hybrid dual-clutch automated manual transmission				

REPAIR SUMMARY:

This bulletin involves checking for DTCs and possibly replacing the traction electric machine inverter on the hybrid dual-clutch automated manual transmission.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
08-19-82-91	Reading the fault codes + repair (0 - Introduction)	6 - Electrical and Body Systems	3.8 Hrs.
Failure Code	ZZ	Service Action	

SPARE PARTS:

Qty	Part No.	Description	Notes
1 (AR)	65 005 473 80 1	Electronic Wave Control Unit	

NOTE: Refer to the repair methods concerning any additional parts to be obtained for this operation.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	—	—

REPAIR PROCEDURE:**DATA TROUBLE CODE:****WARNING!**

All personnel carrying out work on a vehicle fitted with traction batteries must have received specific electric vehicle training and be authorized to work on these vehicles (observe the regulations in force in the respective country).

IMPORTANT! Follow the procedure for use of the diagnostic tool. the diagnosis carried out is relayed to the central servers if, and only if, it is carried out in Internet connected mode, if the technician is authorized to use the guided methods and if the diagnosis is started from the "FAULT FINDING" menu from the "Diagnostic" or "Expert" tab. at the end of the global test, wait for the Diagnostics tab to start up (home screen with selection of methods by domain). quit the Diagnostics session, returning to the home tab. Validate the message "Do you wish to quit the current session?".

READ THE FAULT CODES:

If one or more fault codes P0BD8 11, P0A78 01, P0AEF 11, P10D3 00 are present in the traction electric machine control unit: apply this document.

In absence of fault codes P0BD8 11, P0A78 01, P0AEF 11, P10D3 00 in the traction electric motor control unit: do not apply this document ; carry out in-depth fault finding.

NOTE: The fault code or codes must not be accompanied by other fault codes.

INTERVENTION AFTER-SALES:

Replace the traction electric machine inverter / on the hybrid dual clutch automated manual.

Additional parts which must always be replaced: 1 seal / (closing plate).

In addition, carrying out this repair requires the following operations to be carried out observe the safety and cleanliness recommendations.

1. Switch the vehicle's power off.
2. Drain the hybrid drive train cooling circuit.
3. Remove the transmission control unit / of the hybrid dual-clutch automated manual transmission.
4. Remove the water outlet housing.
5. Observe the tightening torques.
6. Install the transmission control unit / for the hybrid dual-clutch automated manual transmission.

7. Reinstall the water outlet housing.
8. Switch the vehicle's power on.
9. Fill the cooling system of the hybrid powertrain PHEV.

SOLUTION SERIES:

No current solution in series production.

NOTE: In the **EVENT OF A SAFETY INCIDENT** and only in this event, send a Dealer Issue Detection Safety (DID S) in order to receive the instructions to follow, even if this document applies. if there is no safety incident, in the **EVENT OF RECURRENCE** following application of this document, the creation of a Dealer Issue Detection DID (*) is required (see below).

(*) Dealer Issue Detection Incident (DID I) if the authorized repairer (AR) was able to resolve the problem without support from technical assistance.

(*) Dealer Issue Detection Assistance (DID A) if the authorized repairer (AR) needs technical assistance in order to deal with the problem.

NOTE: After applying this TSB, it is not necessary to send DID-I or DID-A.

POLICY:

Reimbursable within the provisions of the warranty.

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