

Technical Service Bulletin (TSB)
Service Hybrid Electric Vehicle System Warning Message

REFERENCE:	TSB: 08-116-25 REV. A GROUP: 08 - Electrical	Date:	May 22, 2025	REVISION:	08-116-25
VEHICLES AFFECTED:	2023 - 2025 (JL) Jeep Wrangler This bulletin applies to vehicles built on and before October 14, 2024 (MDH 1014XX) equipped with 2.0L I4 DOHC DI Turbo Engine W/ESS (Sales Code ECX).			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): - B273C-00 - Digital Crash Input. NOTE: Technicians may find the DTC is stored or pending in the Hybrid Control Processor (HCP). Customers may experience one or more of the following: - The "Service Hybrid Electric Vehicle System Warning" message and Light are displayed in the Instrument Panel Cluster (IPC) Fig. 1. NOTE: This message may be displayed for a few seconds and then disappear. - The vehicle may no longer enter Electric or Hybrid drive modes.				
CAUSE:	Electromagnetic noise on R414 circuit				

This bulletin supersedes Technical Service Bulletin (TSB) 08-116-25, date of issue April 12, 2025, which should be removed from your files. All revisions are highlighted with ****asterisks**** and include an updated Repair Procedure.

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 25-062, date of issue April 12, 2025. 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.

NOTE: The RSU portion of this service bulletin covers unsold vehicles only.



Fig. 1
Service Hybrid Electric Vehicle System Warning IPC Message

REPAIR SUMMARY:

This bulletin involves installing a ferrite bead to the high voltage battery body harness.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
08-90-16-93	Ferrite Bead, Inspect and Install (3 - Highly Skilled)	08 - Electrical	1.0 Hrs.
Failure Code	ZY	Service Action	

SPARE PARTS:

Qty	Part No.	Description	Notes
1 (AR)	68732313AA	Kit, Electric Repair	

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 symptom listed above in the customer symptom section, perform the Repair Procedure.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	—	—

REPAIR PROCEDURE:**WARNING!**

- Before performing the software reprogramming, it is necessary to make the vehicle safe.
- When performing repairs that directly involve or imply possible contact with live high voltage components/systems, the technician must ensure that the power supply of the high-voltage system is disconnected throughout the operation.
- Only specifically trained technicians qualified to perform repairs on vehicles with high voltage systems under current national laws/regulations are authorized to work on the vehicle.
- Before performing any diagnostic repair work on the vehicle, carefully read and comply with the general instructions for working safely on hybrid/electric vehicles and use suitable general equipment and Personal Protective Equipment (PPE).

1. **Is the vehicle on the RSU list?
 - YES >>> Proceed to [Step 3](#).
 - NO >>> Proceed to [Step 2](#).
2. Is DTC B273C-00 stored or pending in the HCP?
 - YES >>> Proceed to [Step 3](#).
 - NO >>> This bulletin does not apply.
3. Power down the high voltage system. Refer to the detailed procedures available in DealerCONNECT > Service Library> under: 12 - Electrified Powertrain System / High Voltage Battery / Standard Procedure.
4. Remove the high battery voltage closeout panel. Refer to the detailed procedures available in DealerCONNECT > Service Library> under: 23 - Body / Interior / Panel, High Voltage Battery Closeout / Removal.
5. Locate on the body harness high voltage battery connector D8119E [Fig. 2](#).



Fig. 2

High Voltage Battery Connectors Body Harness And Ferrite Bead Placement

- 1 - Connector D8119E
- 2 - Offset Clip 1108
- 3 - Stud Clip 1107
- 4 - Area To Install Ferrite Bead

6. Remove the cover on D8119E connector [Fig. 2](#).
7. Remove offset clip 1108 [Fig. 2](#) from wire harness. **If necessary to gain better accessibility to the harness, remove stud clip 1107 from the stud.**

8. **Carefully remove** the harness protective tape from D8119E to the remaining stud clip 1107 [Fig. 2](#) from the wire harness.
9. Locate R414A in cavity 16, located in connector D8119E [Fig. 2](#) and remove the dark green/beige circuit wire [Fig. 3](#).

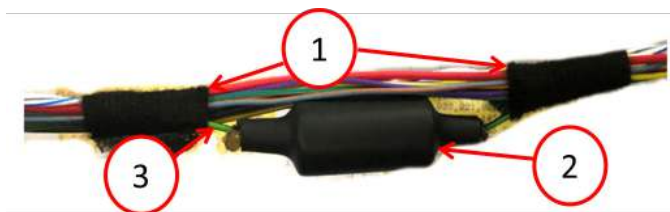


Fig. 3
Ferrite Bead Assembly

- 1 - Butyl Patches
- 2 - Ferrite Bead With Heat Shrink
- 3 - Dark Green/Beige Wire

10. Place circuit R414A through the ferrite bead and install the ferrite bead **between clips 1107 and 1108** [Fig. 2](#) and [Fig. 3](#).
11. Install two butyl patches around wire circuit R414A at both openings of the ferrite bead [Fig. 3](#).
12. Place Heat Shrink tube over circuit R414A and ferrite bead [Fig. 3](#).
13. Using a heat gun, heat the heat shrink tubing around ferrite bead, ensuring sealant flows out of each end tubing [Fig. 3](#).
14. Install wire circuit R414A back into connector D8119E [Fig. 2](#) cavity 16.
15. Install conduit from kit over ferrite bead assembly.
16. Install protective tape from D8119E over ferrite bead conduit and to clip 1107. **If removed to gain better accessibility to the harness, install clip 1107 on the stud.**
17. Install the D8119E connector cover [Fig. 2](#).
18. Install the high battery voltage closeout panel. Refer to the detailed procedures available in DealerCONNECT > Service Library> under: 23 - Body / Interior / Panel, High Voltage Battery Closeout / Installation.
19. Clear any DTCs that may have been set.
20. Power up the high voltage system. Refer to the detailed procedures available in DealerCONNECT > Service Library> under: 12 - Electrified Powertrain System / High Voltage Battery / Standard Procedure.**

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.