Tesla, Inc.
Service Bulletin

Replace AC Junction Box to Fast Charge Contactor HV Harness

SB-25-16-006
December 8, 2025

Classification	Section/Group	Mobile Service	Configuration
Repair Bulletin	16 - HV Battery	Cannot Perform	All

Model	Model Year	Country/Region	Build Location
Cybertruck	2024-2025	North America	Giga Texas

The model(s) and model year(s) listed are a general approximation of the affected VIN list. Refer to the VIN/Bulletin Tracker or Customer/Vehicle profile to determine applicability of this bulletin for a particular vehicle.

Repair Bulletin: This repair bulletin provides instructions on addressing a possible customer concern regarding the operation of Tesla vehicles. These instructions should only be performed by trained professionals.

Condition

On certain Cybertruck vehicles, the AC junction box to fast charge contactor HV harness might have a poor crimp connection, which may cause increased resistance and localized heating in the harness.

Correction

If the ancillary cover is removed for other procedures, replace the AC junction box to fast charge contactor HV harness with version -J or later.

NOTE: If this bulletin is applicable to the vehicle, perform the correction without any need for inspection.

Correction Description	Correction	Time
Replace AC Junction Box to Fast Charge Contactor HV Harness	S012516006	0.12

	Part Number	Description	Quantity
Part Required	1848042-00-J	HIGH VOLTAGE HARNESS - AC JUNCTION BOX TO FAST CONTACTOR	1

This part number was current at the time of publication. Use the revision listed or later, unless otherwise specified in the Parts Catalog.

Procedure

WARNING: Only technicians who have been trained in *High Voltage Awareness* and have completed all required certification courses (if applicable) are permitted to perform this procedure. Proper *personal protective equipment (PPE)* and *insulating HV gloves* with a minimum rating of *class 0* (1000V) must be worn at all times a high voltage cable, busbar, or fitting is handled. Refer to Tech Note TN-15-92-003, High Voltage Awareness Care Points for additional safety information.

WARNING: This procedure begins with the HV battery ancillary bay cover already removed due to service on other vehicle components and assumes that HV disablement (refer to Service Manual procedure 17010000) has already been performed on the vehicle. **Do not begin this procedure unless HV disablement has already been performed.**

NOTE: The following steps should be performed if the ancillary cover has already been removed, and before reinstallation. Therefore, the labor time does not account for the time it takes to remove the ancillary cover or any prerequisite steps.

1. Remove the bolts (x2, 13 mm) that attach the AC junction box to fast charge contactor HV harness to the vehicle (Figure 1).

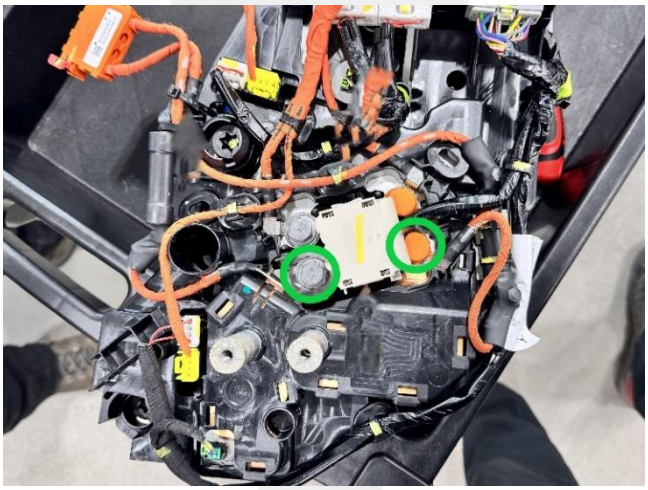

Figure 1

2. Release the clips (x2) that attach the AC junction box to fast charge contactor HV harness to the vehicle (Figure 2).

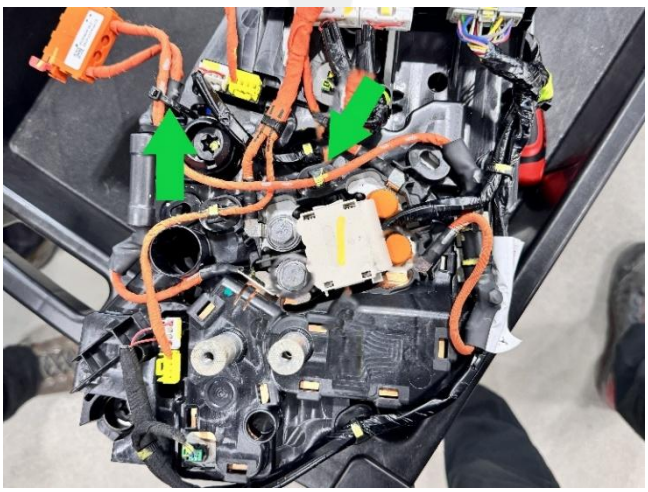

Figure 2

3. Release the red connector lock and disconnect the electrical connectors (x2) (Figures 3 and 4), and then remove the harness from the vehicle.

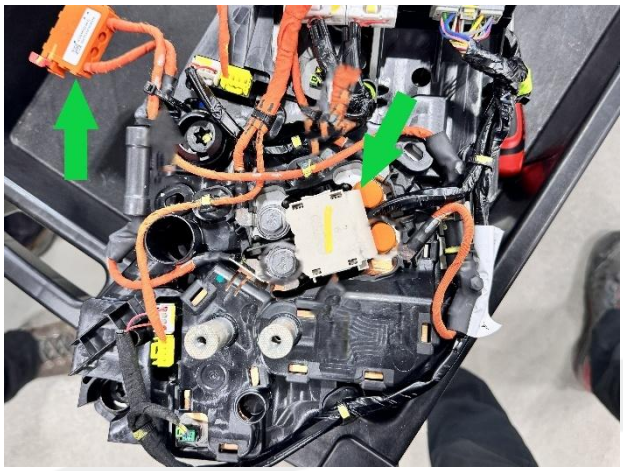

Figure 3

Figure 4

4. Position the new AC junction box to fast charge contactor HV harness into the vehicle.

5. Connect the electrical connectors (x2) and engage the connector lock, and then install the clips (x2) and bolts (5 Nm + 60 degrees) (x2, 13 mm) that attach the harness to the vehicle (Figures 1–4).

   NOTE: Install a new zip tie as needed (Figure 2).

6. Perform a zero adjust to the Hioki meter, and then perform a Hioki impedance measurement at the FC contactor positive joint to positive DC outlet busbar (Figure 5).

   NOTE: The results of the measurement should be 102$\mu\Omega$ or fewer. If the results are greater than 102$\mu\Omega$, continue with general diagnosis outside of this bulletin.

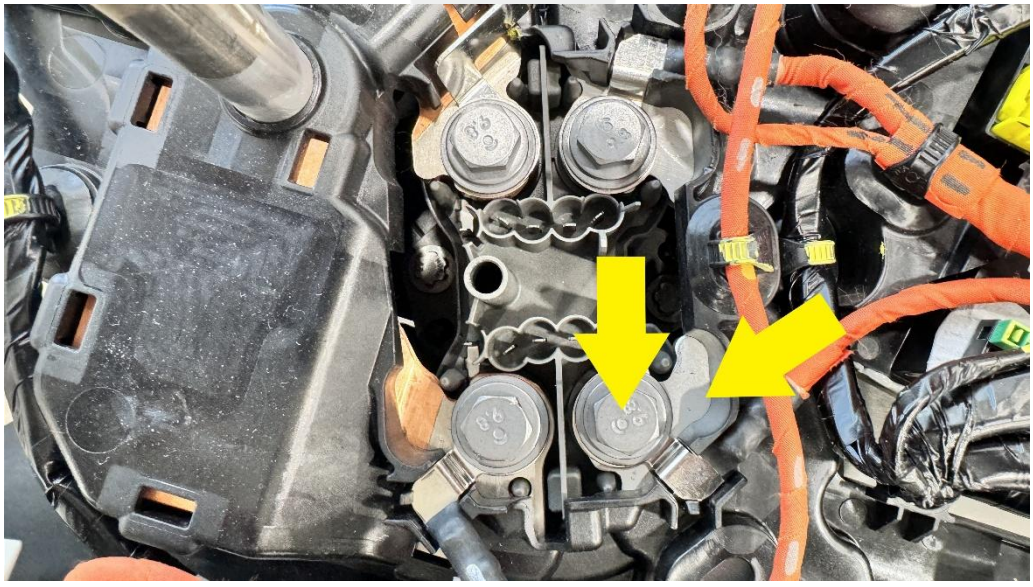

Figure 5

7. Perform a zero adjust to the Hioki meter, and then perform a Hioki impedance measurement at the FC contactor negative joint to negative DC outlet busbar (Figure 6).

NOTE: The results of the measurement should be 102$\mu\Omega$ or fewer. If the results are greater than 102$\mu\Omega$, continue with general diagnosis outside of this bulletin.

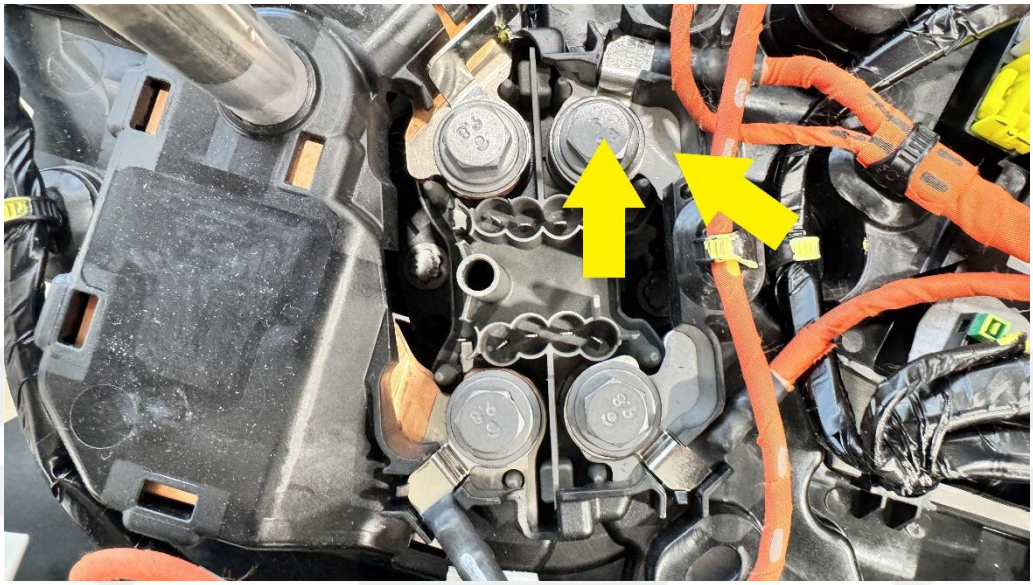

Figure 6