



STAR ONLINE PUBLICATION



Case Number: S2608000019

Release Date: April 2026

Models Affected:

2021-2026 Jeep Wrangler 4XE (JL)

2022-2026 Jeep Grand Cherokee 4XE (WL)

Symptom/Vehicle Issue: High Voltage Connector Seal And Fastener Service Parts Are Now Available

Discussion: High Voltage (HV) connect seals and fasteners are commonly damaged during the diagnostic and repair process. Replacement seals and fasteners are Now Available for ALL HV harnesses on 4XE. You no longer need to replace the entire HV harness for damaged seals or fasteners.

Note: Due to the complex manufacturing processes required to create HV cables with very low resistance, replacement terminals will not be made available.

These replacement seals and fasteners are currently available; the required part number can be looked up using STAR Parts.

An upcoming Service Library wiring diagrams update will display the seal and fastener part number after selecting the connector view.

See part look up examples on the next page.

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STAR Parts

STAR PARTS Reference Library - Mopar Repair Connect Connector Repair Kits External Links - Bproauto FAQ Document

VIN Search PartNumber/Desc Current Catalog Sales Code

Model Year * 2025 Make * JEEP Model * JL - JEEP WRANGLER Engine ECX - 2.0L I4 DOHC DI TURBO P... Transmission DFY - 8-SPD AUTO 8P75PH PHE... Trim *N1L - MCKINLEY TRIMMED SEATS Search

Go to Home

- 2025 JL
 - 001A - Mopar Accessories
 - 001B - Mopar Accessories - Component Parts
 - 001C - Mopar Affiliated Accessories
 - 002 - Front Suspension
 - 003 - Differential and Drive Line
 - 005 - Brakes
 - 007 - Cooling
 - 008 - Electrical
 - Wiring Connector Repair
 - 100 - Starters
 - 200 - Generators/Alternators
 - 300 - Wiper and Washer System
 - 400 - Keys, Modules and Engine Controllers
 - 500 - Power Distribution, Fuse Block, Junction Block, Relays and Fuses
 - 600 - Sensors
 - 800 - Switches
 - 900 - Horns
 - 1000 - Battery, Battery Tray and Cables
 - 1005 - Battery
 - 1010.01 - Tray and Support, Battery, Battery Tray, LHD
 - 1010.02 - Tray and Support, Battery, Battery Tray, RHD
 - 1010.03 - Tray and Support, Battery, Component Tray, RHD
 - 1015.01 - Wiring, Battery, LHD
 - 1015.02 - Wiring, Battery, RHD

008 - Electrical / 1000 - Battery, Battery Tray and Cables / 1015.03 - Wiring, Battery, PHEV

Item	Description	Part	Note	Qty	Cart	Sup	Tech	Info	Media	Eng	Trans	Line	Series
1	WIRING, High Voltage, HV P2 TO P1M	68593176AB	N	1	+					ECX	DFY	X	
2	SCREW, Pan Head, M6X1.00X45.00	06513772AA	N	1	+					ECX	DFY	X	
3	SCREW, Torx Head, FOR 3-WAY CONNECTOR	68766104AA	N	1	+					ECX	DFY	X	
4	SEAL, Ring, P1F MOTOR, P1 PIM, AND P2 PIM	68584363AA	N	1	+					ECX	DFY	X	
5	WIRING, High Voltage, HV P1 to P1M	68593175AB	N	1	+					ECX	DFY	X	
6	SCREW, Pan Head, M6X1.00X45.00	06513772AA	N	1	+					ECX	DFY	X	
7	SEAL, Ring, P1F MOTOR, P1 PIM, AND P2 PIM	68584363AA	N	1	+					ECX	DFY	X	

STAR Parts example for JL PHEV P1 to P1M Harness part number **68593175AB**:
 P1M Mod connector - Amphenol 3-way 8mm connector
 Service Connector Seal Part Number **68584363AA**
 Service Connector Fastener Part Number **06513772AA**



***On this harness both ends share a common connector design**

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Upcoming Service Library Wiring Diagram Connect View Update

MOTOR-GENERATOR UNIT

JL - JEEP WRANGLER 2025 > 2.0L I4 DOHC DI TURBO PHEV ENGINE >

Search Type search term and press enter

Report Vehicle DID-1 FEEDBACK

MOTOR-GENERATOR UNIT

MOTOR-GENERATOR UNIT C2

Connector Details

Harness Family: P1F Front Motor
Color: ORANGE
Gender: MALE
Part Numbers: C390_3103_CH22_2012
Part Description: --
Connector No: D3803B
Option: Standard
Repair Kit Part Number: [Mopar Connector Repair Kits](#)
Cavity Count: 5

Connector Views

Mating Side: Wire Insertion Side: Isometric View:

Connector Fastener
Part Number 06513772AA

Connector Seal
Part Number 68584363AA

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