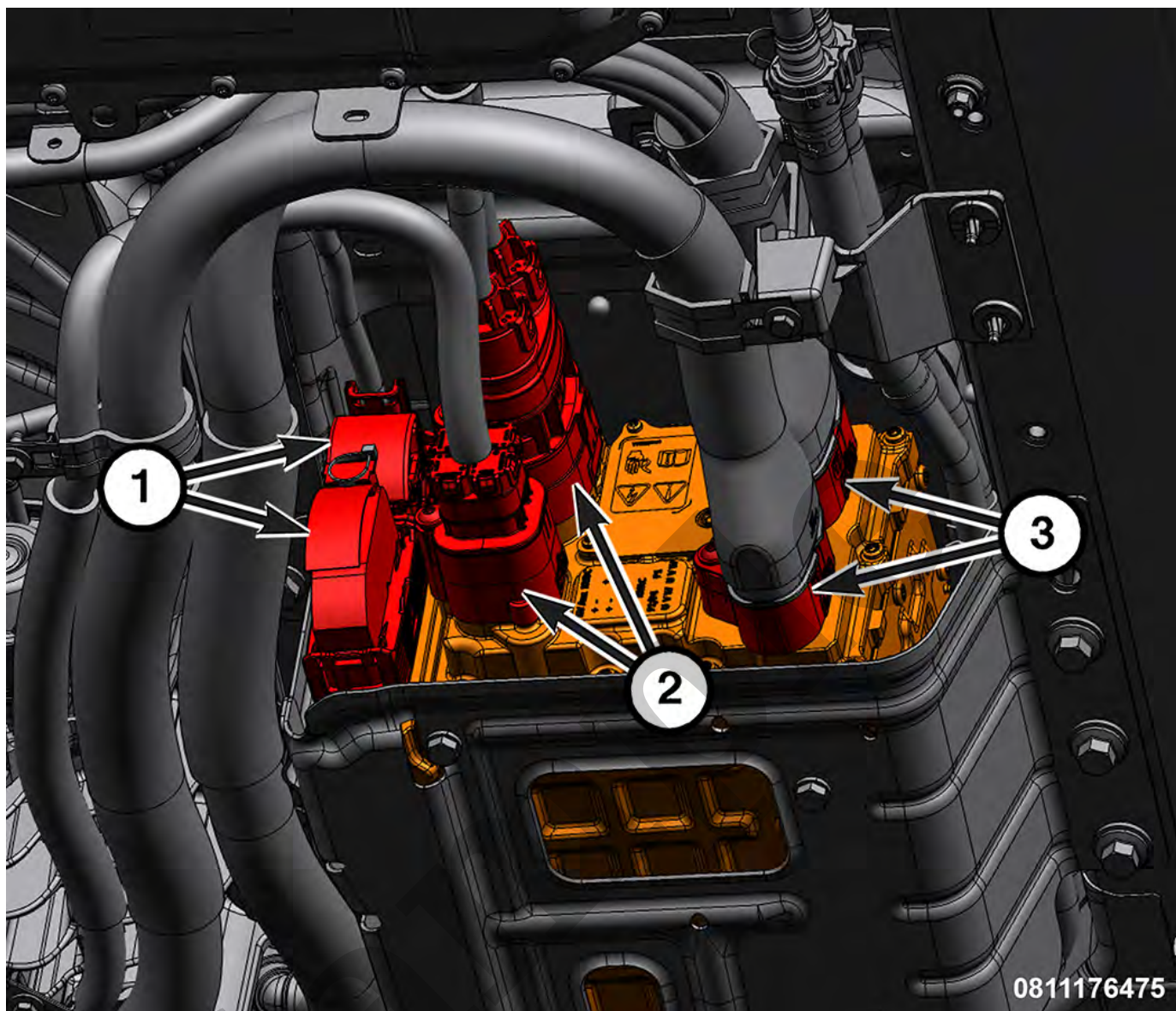


# Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

## 2015 Jeep Compass Service and Repair Manual

[Go to manual page](#)



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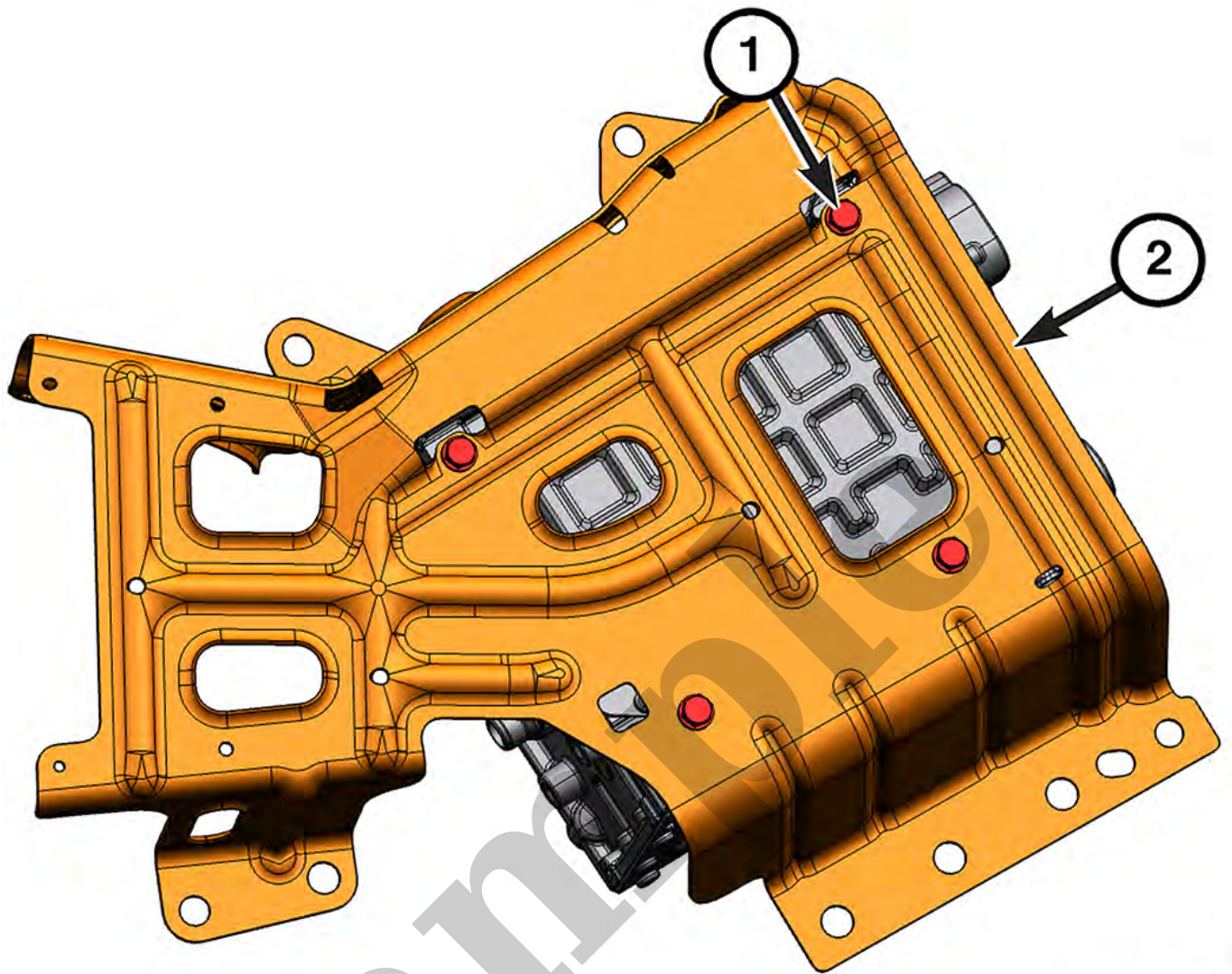
1 - PIM Vehicle connection

2 - High Voltage Cable Plug-in Connector

3 - High Voltage Bolt-in Connector

6. Remove the high voltage cable connectors.

7. Disconnect the low voltage wire harness connector.



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1 - PIM to PIM Mounting Bracket Bolts
2 - PIM Mounting Bracket

14. If replacing the PIM, remove the fasteners that secure the PIM to the bracket.

## INSTALLATION

Follow the removal procedure in reverse for general reassembly of the components on the vehicle. The steps listed below are calling out specific procedures that should be followed during installation.

- All connections **MUST** be clean, dry and seated completely.
- Tighten the high voltage connections securely.
- With the scan tool, flash program the HCP with the latest software.
- With the scan tool, perform the "Immobilizer ECUs Replaced" routine.

## Motor Generator Unit (MGU)

### MOTOR GENERATOR UNIT (MGU)

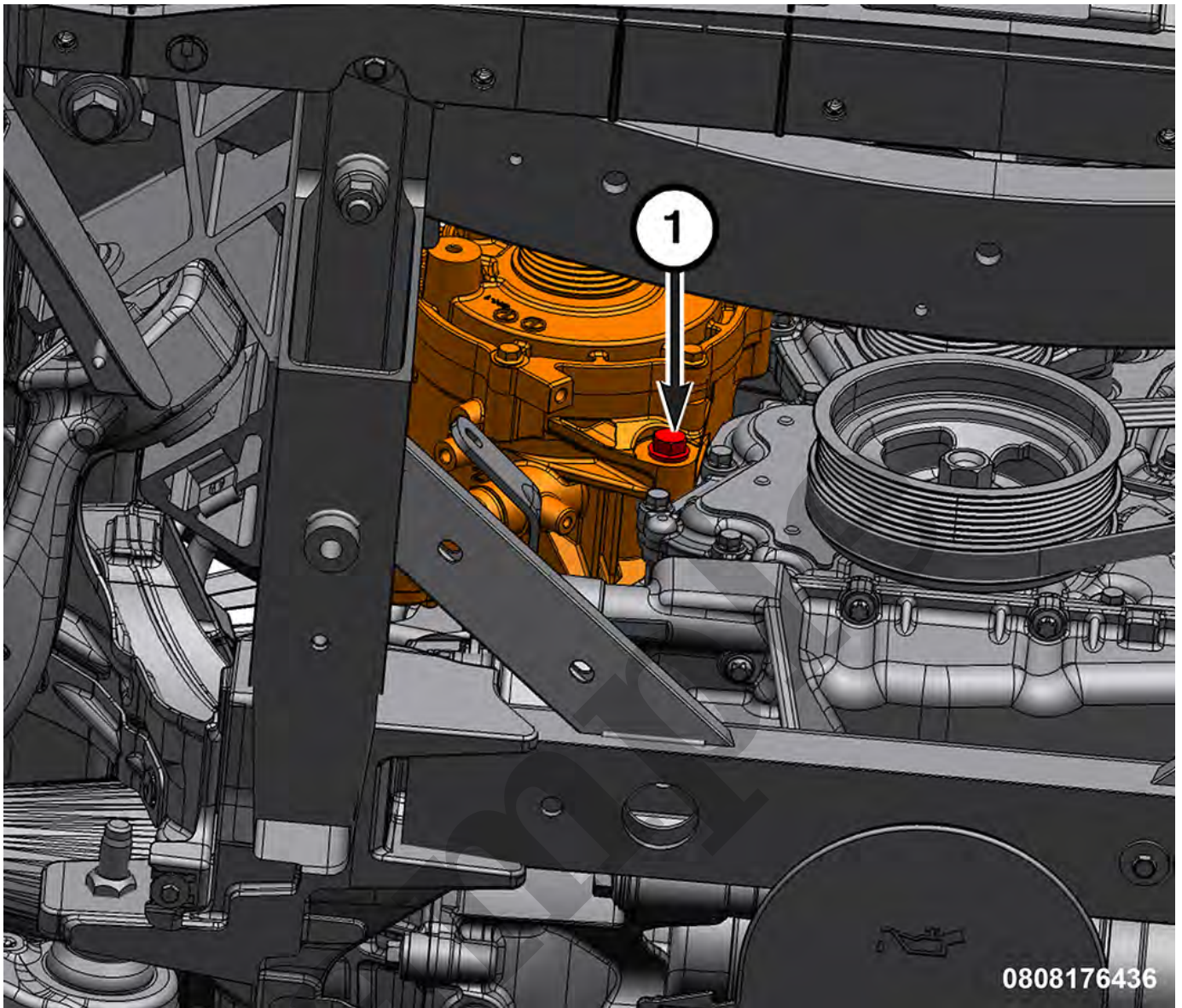
#### REMOVAL

##### NOTE

If a **NEW** MGU is replaced, a scan tool routine must be performed upon completion of its installation.

1. Power down the high voltage system ([Refer to Electrified Powertrain System/High Voltage Battery/Standard Procedure](#)).
2. Remove the MGU belt tensioner ([Refer to Engine/Accessory Drive/TENSIONER, Belt/Removal and Installation](#))([Refer To List 1](#)).
3. Remove the top and side engine covers.
4. Remove the purge solenoid and bracket assembly ([Refer to Emissions Control/Evaporative Emissions/SOLENOID, Evaporative Emissions Purge/Removal and Installation](#)).
5. Remove the fastener securing the MGU wire harness to the intake manifold.
6. Remove the fastener and the high voltage cable from the MGU.





1 - MGU Lower Bolt

11. Remove the lower bolt from the MGU.

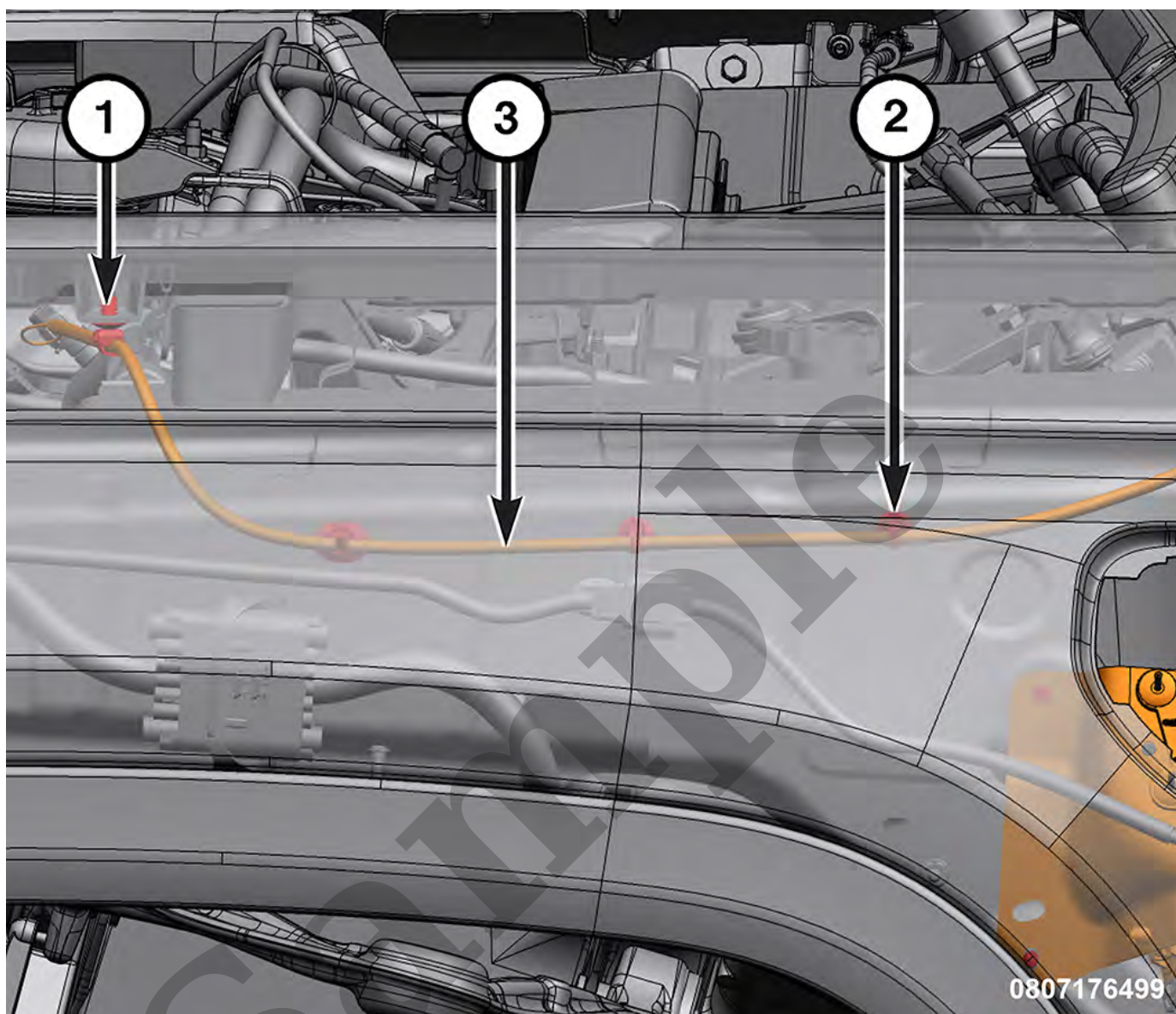
<b>CALLOUT</b>	<b>DESCRIPTION</b>	<b>SPECIFICATION</b>	<b>COMMENT</b>
-	MGU Harness to Bracket Bulkhead Nut	<b>11 N·m (8 Ft. Lbs.)</b>	-
-	MGU Harness to Bracket Nut	<b>11 N·m (8 Ft. Lbs.)</b>	-
-	MGU Harness Trough to Transmission Nuts	<b>5 N·m (44 In. Lbs.)</b>	-
-	MGU Harness Trough to Transmission Bolt	<b>8 N·m (71 In. Lbs.)</b>	-
-	MGU Harness Trough to Transmission Stud-bolt	<b>10 N·m (7 Ft. Lbs.)</b>	-

#### Refer To List:

##### List 1

- [09 - Engine, 2.0L / Accessory Drive / TENSIONER, Belt / Removal and Installation](#)
- [09 - Engine, 3.6L / Accessory Drive / TENSIONER, Belt / Removal and Installation](#)
- [09 - Engine, 5.7L / Accessory Drive / TENSIONER, Belt / Removal and Installation](#)

5. Remove the upper bolts that secure the charge port to the load beam.



1 - Retaining Clip to Inner Fender

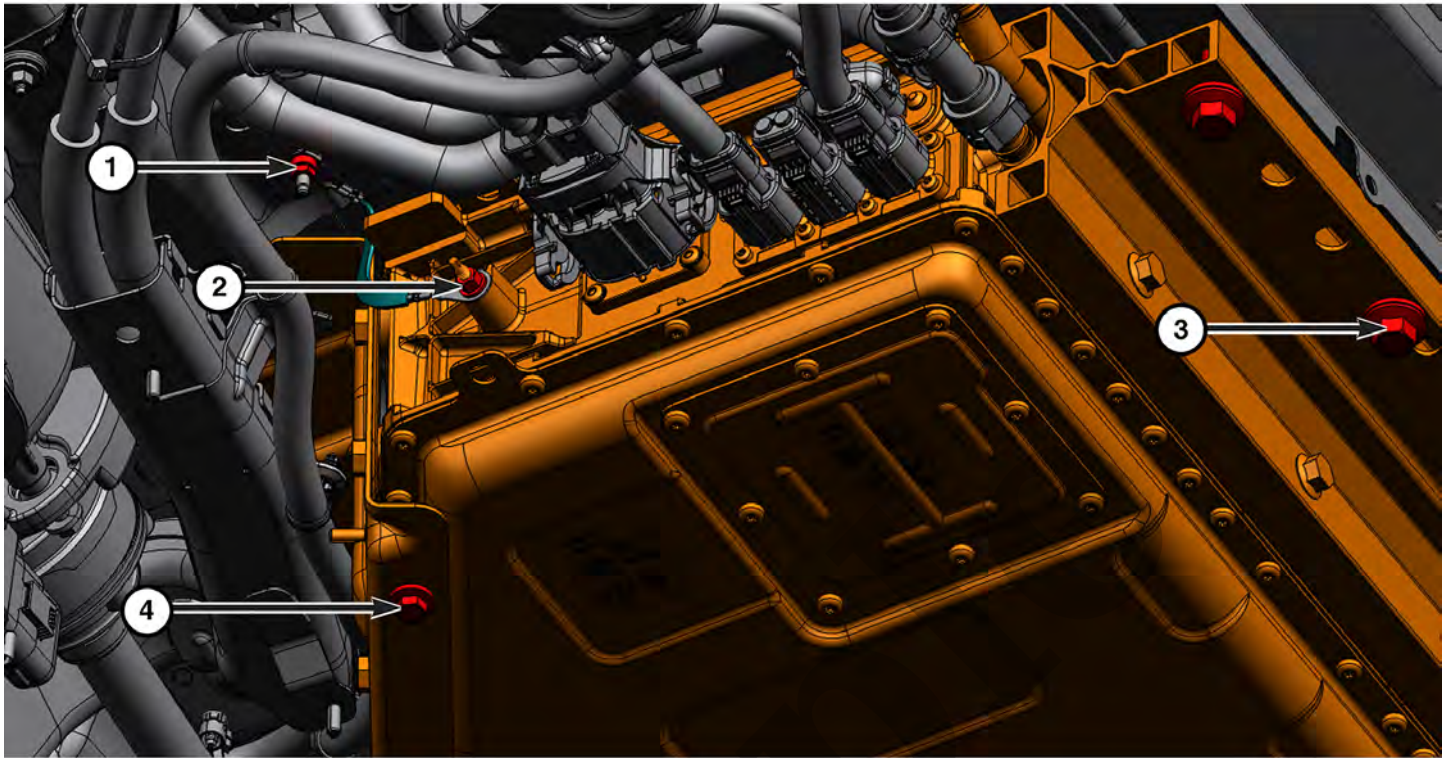
2 - Retaining Clip to Load Beam

3 - Manual Release Cable

6. Remove the manual release cable retainers from the inner fender.

7. Remove the manual release cable retainers that secure the cable to the load beam.

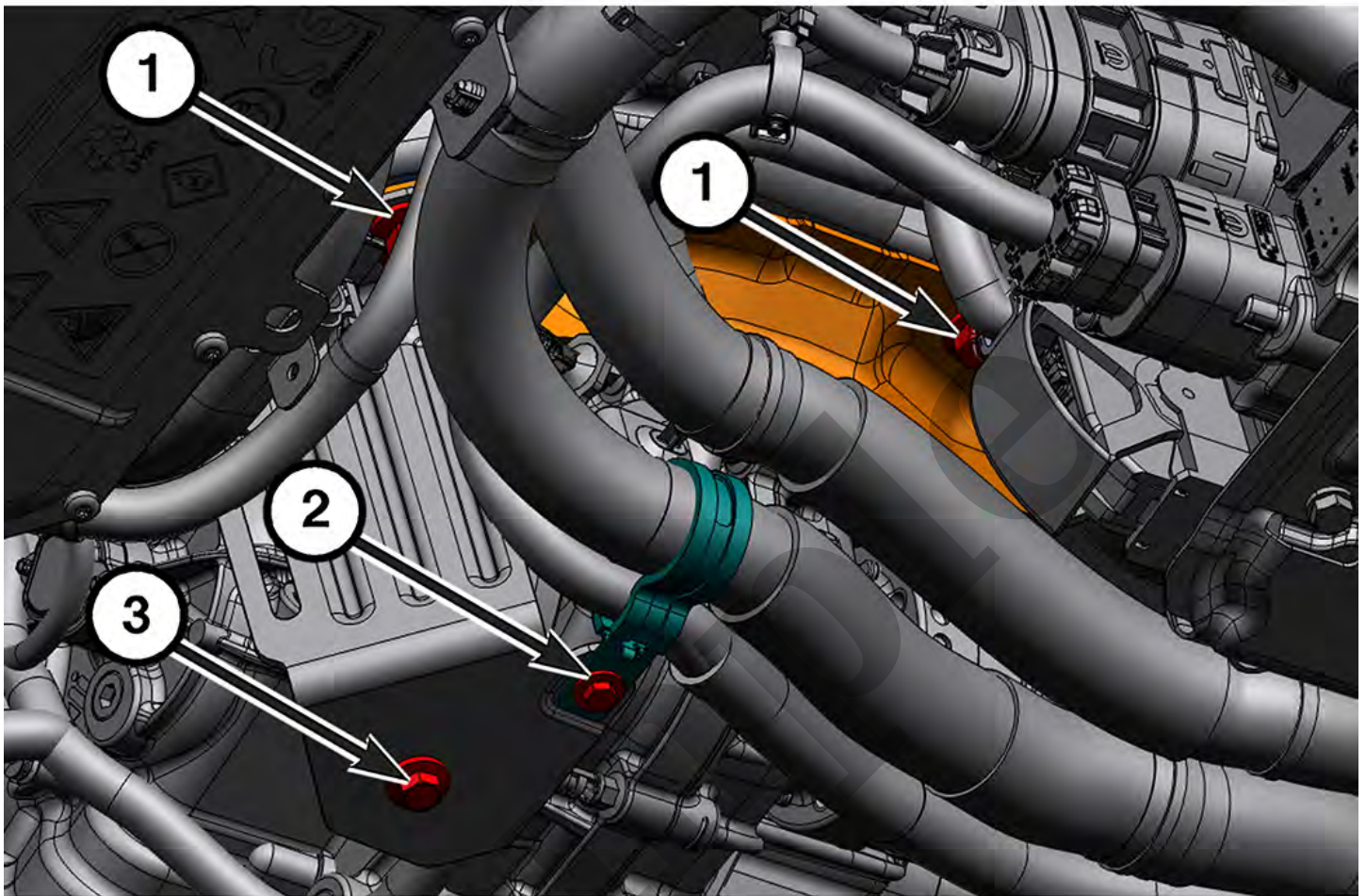




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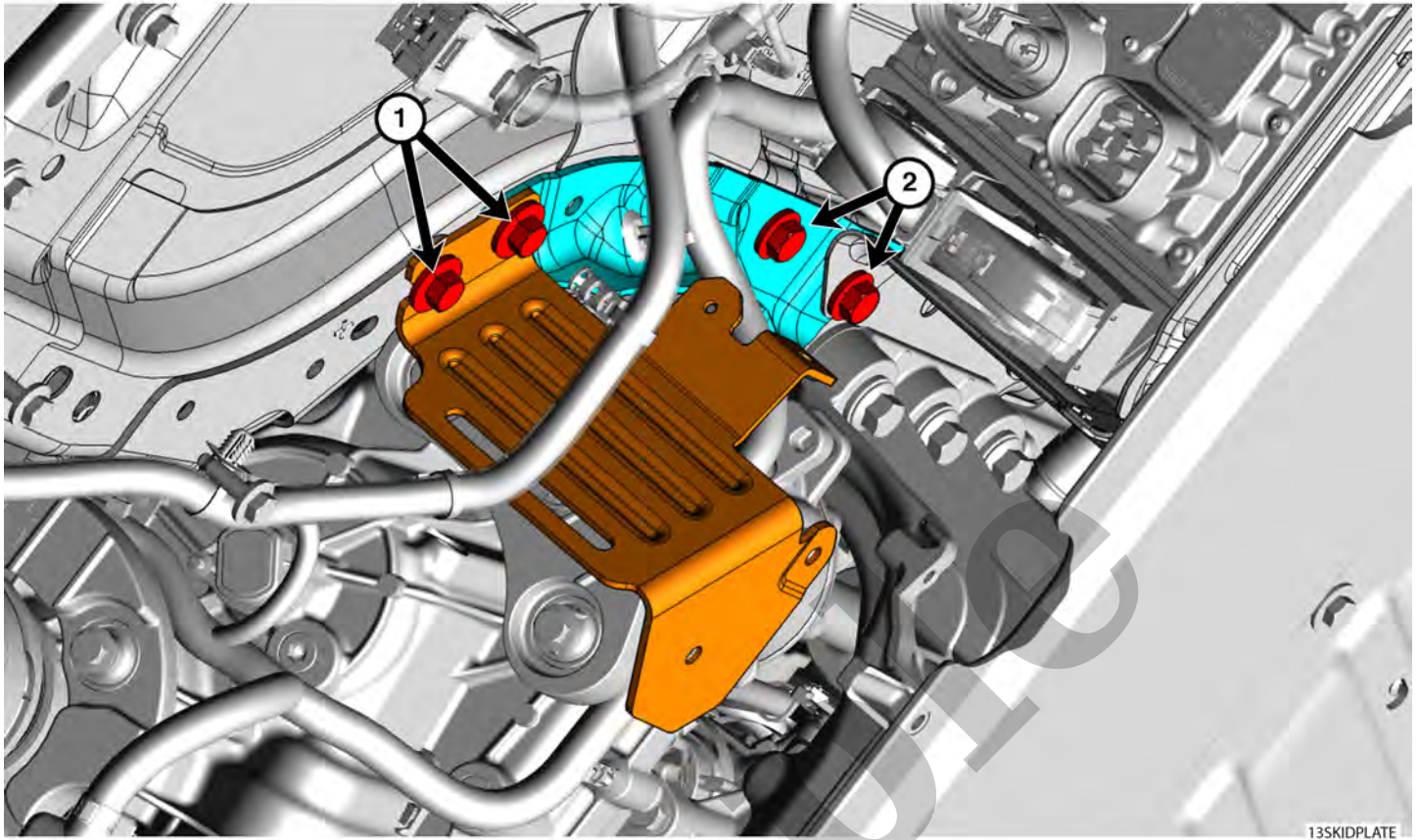
CALLOUT	DESCRIPTION	SPECIFICATION	COMMENT
1	High Voltage Battery Chassis Ground Cable to Body	9 N·m (80 In. Lbs.)	-
2	High Voltage Battery Chassis Ground Cable to Battery	9 N·m (80 In. Lbs.)	-
3	High Voltage Battery to Underbody	80 N·m (59 Ft. Lbs.)	-
4	Skidplate to Battery	25 N·m (18 Ft. Lbs.)	





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CALLOUT	DESCRIPTION	SPECIFICATION	COMMENT
1	LV Connector Blocker Bracket to Body	25 N·m (18 Ft. Lbs.)	–
2	High Voltage Harness to Skidplate	8 N·m (71 In. Lbs.)	–
3	Tcase Skid Plate to Support Bracket	18 N·m (13 Ft. Lbs.)	–
–	Charging Port Ground Eyelet	9 N·m (80 In. Lbs.)	–
–	Charging Port Wire Harness Trough	2 N·m (17 In. Lbs.)	–
–	High Voltage Battery Fuse Service Door Nuts	4 N·m (35 In. Lbs.)	–



CALLOUT	DESCRIPTION	SPECIFICATION	COMMENT
1	Battery Skid Plate Bracket to Body	55 N·m (40 Ft. Lbs.)	—
2	Blocker Bracket to Body	25 N·m (18 Ft. Lbs.)	—