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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 Grand Cherokee OEM Service and Repair Workshop Manual

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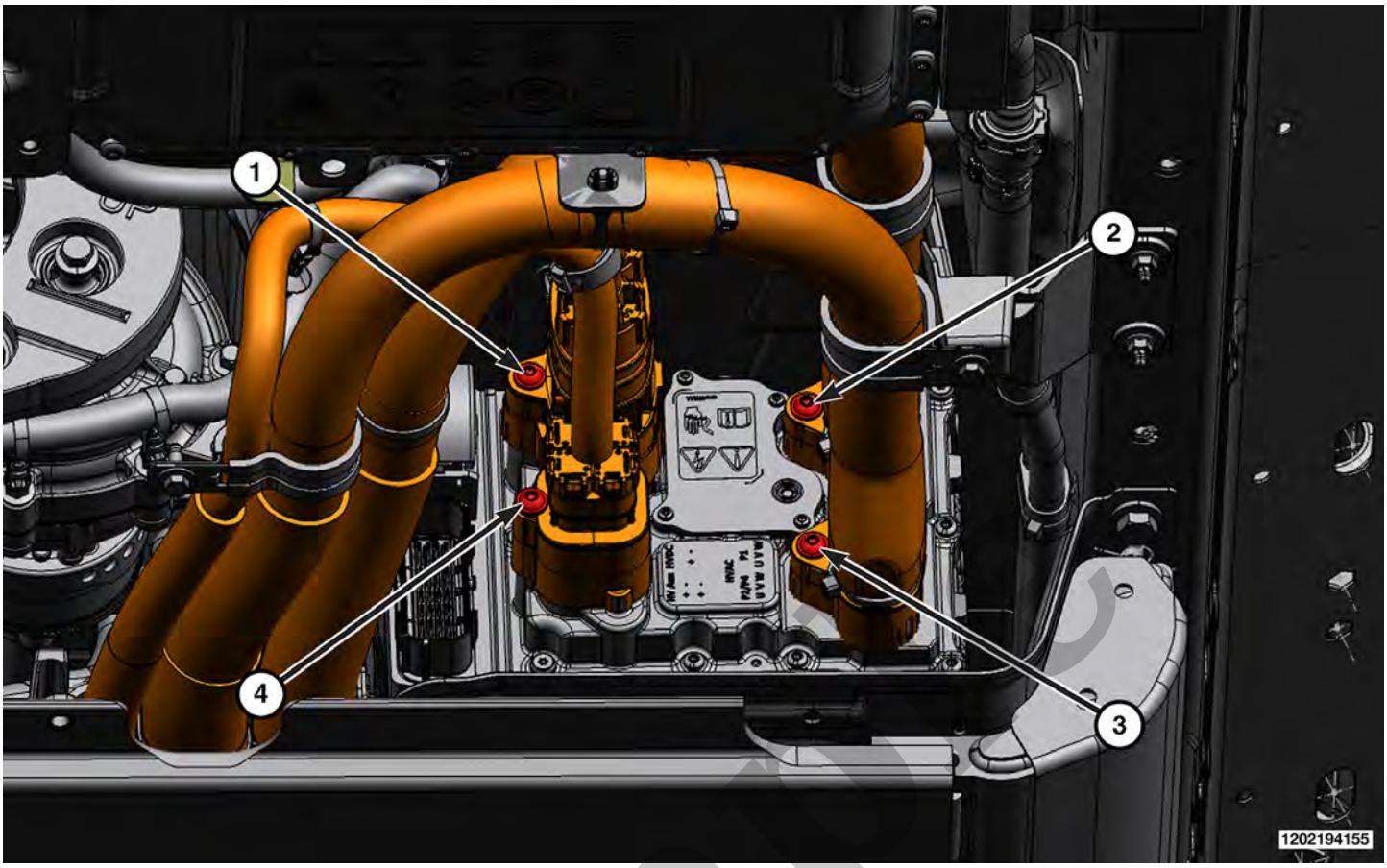


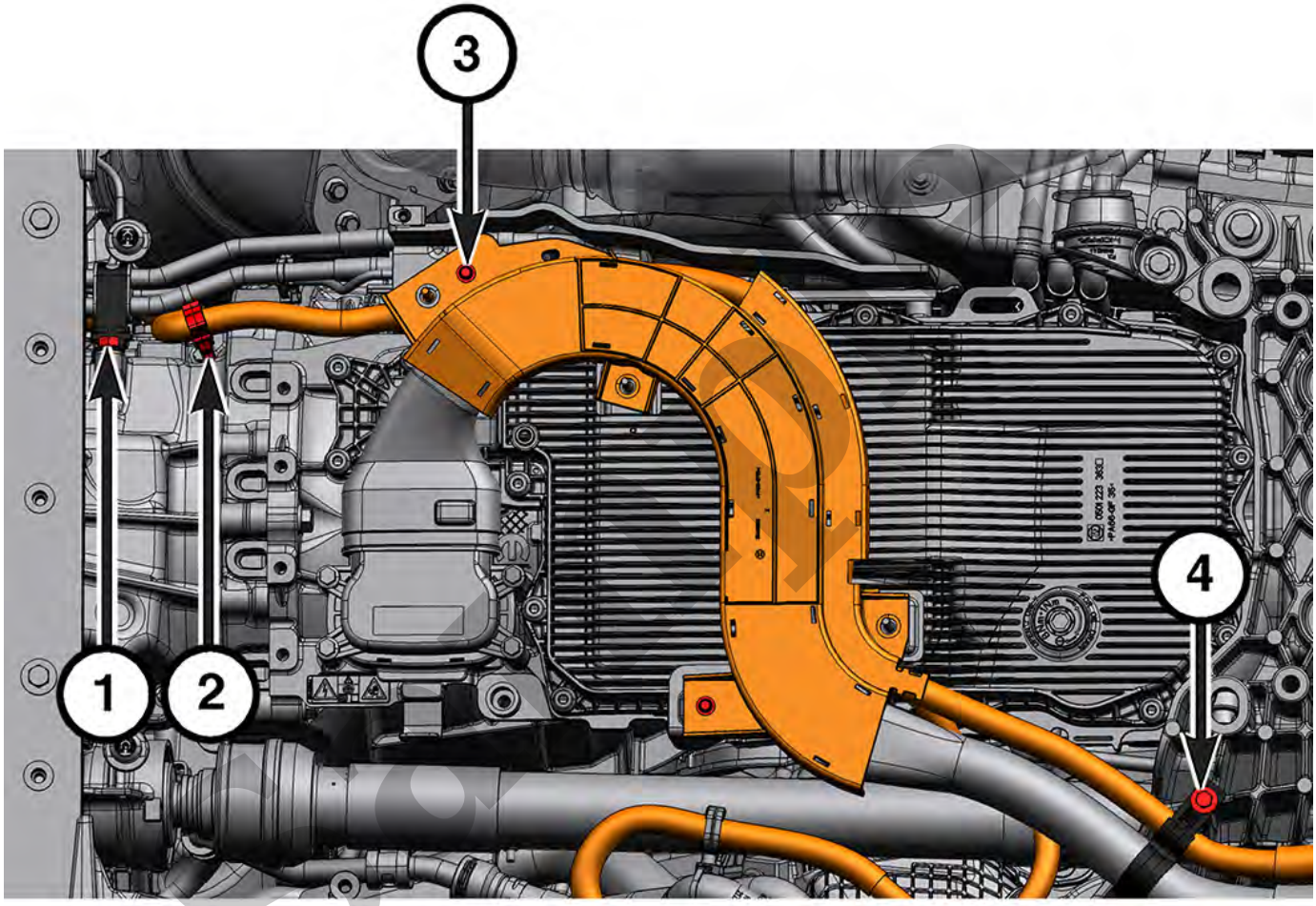
CALLOUT	DESCRIPTION	SPECIFICATION	COMMENT
1	PIM to HV Battery Connector	**12 N·m (9 Ft. Lbs.)**	–
2	PIM to MGU (P1) Connector	**12 N·m (9 Ft. Lbs.)**	–
3	PIM to Transmission Connector (P2)	**9 N·m (80 In. Lbs.)**	–
4	PIM to Electric Air-conditioning Compressor	**12 N·m (9 Ft. Lbs.)**	–

CALLOUT	DESCRIPTION	SPECIFICATION	COMMENT
–	High Voltage Battery Jumper Harness Bridge Bolt to Body	**6 N·m (53 In. Lbs.)**	–
–	High Voltage Battery Jumper Harness Bridge Bolt to Battery	**8 N·m (71 In. Lbs.)**	–
–	HV PIM to High Voltage Battery Nuts	**9 N·m (80 In. Lbs.)**	–
–	High Voltage Trough to Transmission Crossmember	**8 N·m (71 In. Lbs.)**	–
–	High Voltage Trough to Transmission Support Bracket	**8 N·m (71 In. Lbs.)**	–
–	P2 Wiring Harness Attachment TO B20 Strain Relief Bracket	**8 N·m (71 In. Lbs.)**	–
–	High Voltage Trough to Body	**5 N·m (44 In. Lbs.)**	–
–	High Voltage Battery Fuse Service Door Nuts	**4 N·m (35 In. Lbs.)**	–

3 - High Voltage Harness Trough to Transmission Pan
4 - High Voltage Harness Trough

8. Cut the cable ties that secure the EAC harness to the harness support.

9. Remove the fasteners and lower the harness support.



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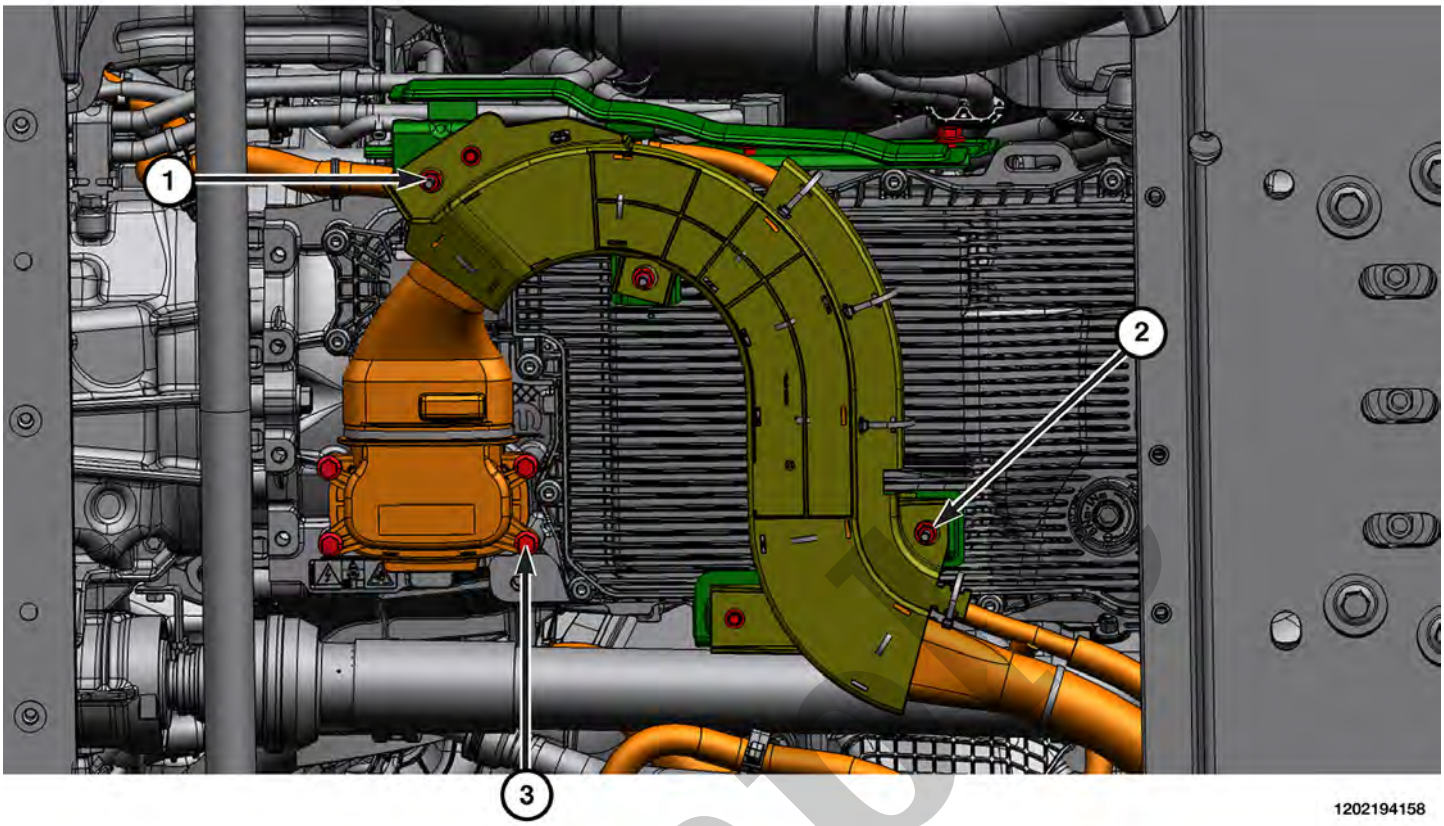
1 - O-Ring
2 - Harness Retaining Clip
3 - High Voltage Harness Trough to Transmission
4 - High Voltage Harness to Transmission Crossmember Bolt



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CALLOUT	DESCRIPTION	SPECIFICATION	COMMENT
1	High Voltage Protective Cover Bolts	**Tighten Securely**	–
2	High Voltage Trough to Transmission Pan Nuts	**12 N·m (9 Ft. Lbs.)**	–
3	High Voltage Cable to P2	**9 N·m (80 In. Lbs.)**	–

YOUR CURRENT VEHICLE

Power Inverter Module (PIM) To Motor Generator Unit (MGU)

POWER INVERTER MODULE (PIM) TO MOTOR GENERATOR UNIT (MGU)

REMOVAL

WARNING

Before performing any diagnostic or service procedure, you must thoroughly read and follow all applicable high voltage safety procedures. You must perform the high voltage power down procedures.

Loss of Isolation (LOI) must be performed before high voltage power up in cases where service has been performed on a high-voltage component or when diagnosing a LOI condition.

Be sure to use the proper safety equipment when working on any high voltage system or component. Failure to do so may result in serious or fatal injury.

Wait a minimum of two minutes after performing the high voltage battery disconnect procedure before attempting to access the high voltage system. Failure to do so may result in serious or fatal injury.

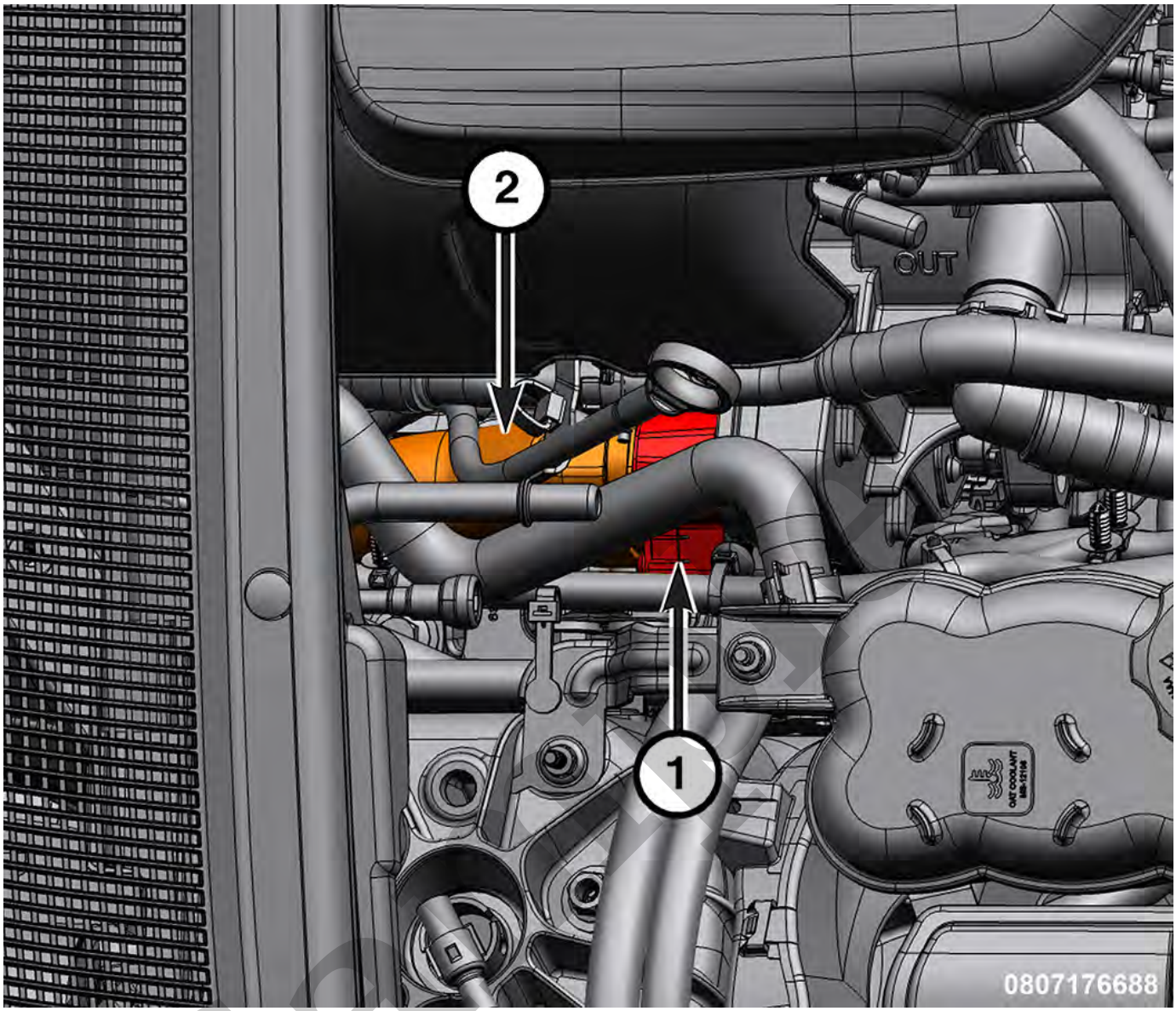
CAUTION

To prevent dirt which might damage or impair the seal from entering, fit the protective caps included in the specific equipment onto the disconnected electrical connections.

CAUTION

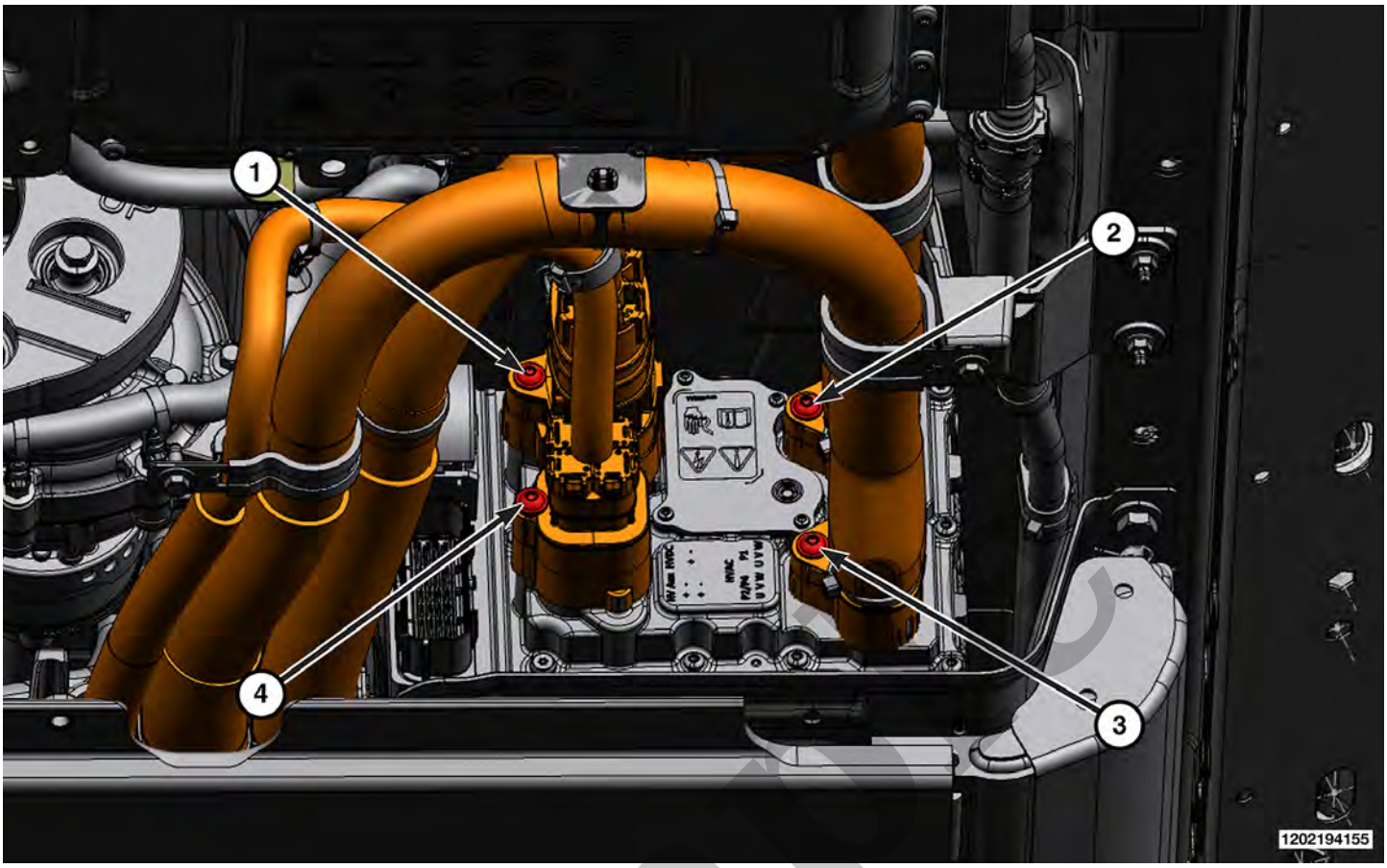
Do not allow liquids to come into contact with the high voltage component electric connections, since they would create a conductive path and thus cause loss of insulation. These substances would be difficult to remove and the contaminated high voltage component would have to be replaced.

CAUTION



1 - MGU High Voltage Connector
2 - MGU High Voltage Harness

6. Remove the connector from the MGU and set the high voltage harness ready for removal.
7. Raise and support the vehicle (Refer to Vehicle Quick Reference/Hoisting/Standard Procedure).
8. Remove the front drive shaft (Refer to Differential and Driveline/SHAFTS, Axle/Drive/Half/Removal and Installation).



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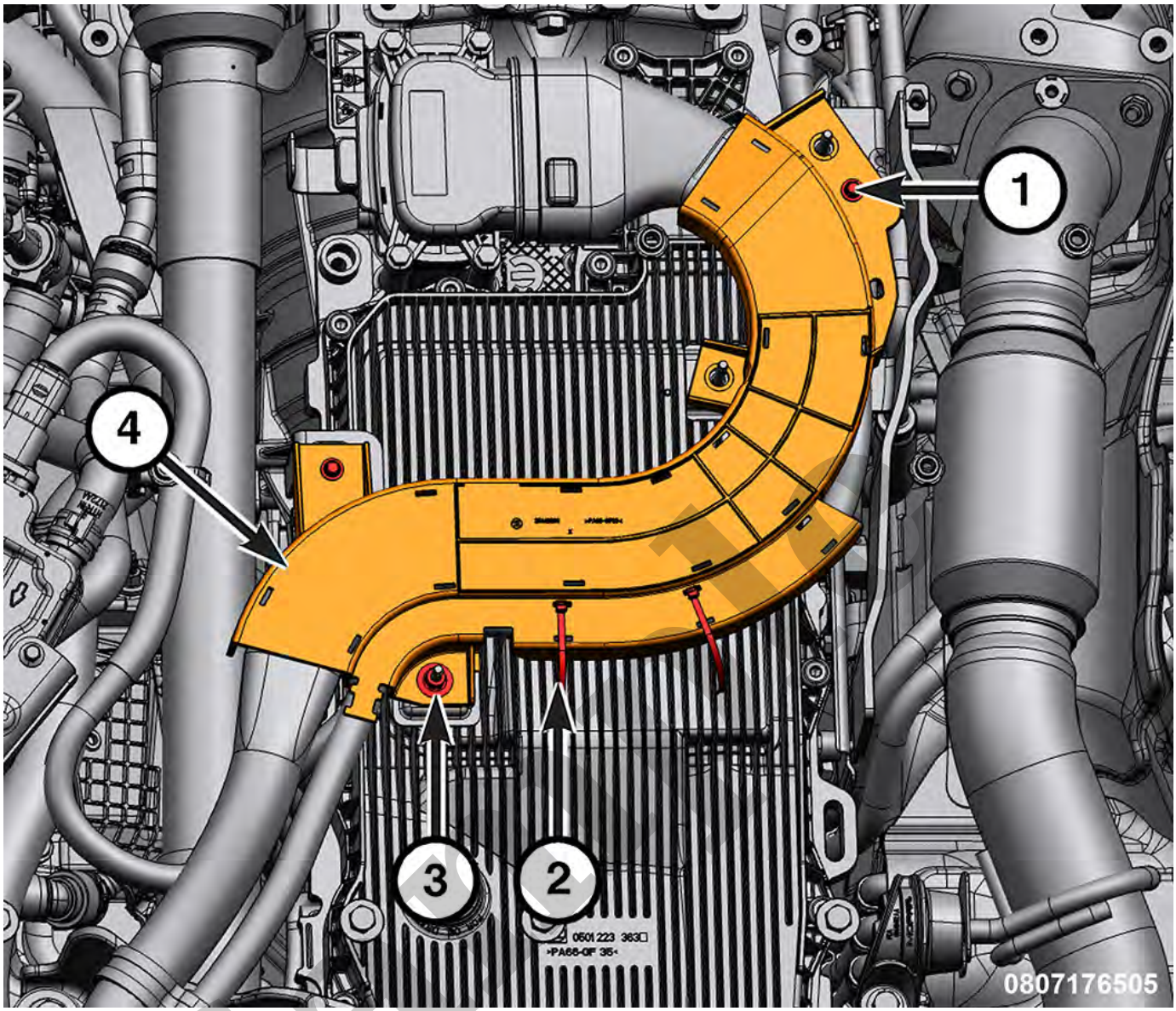
Refer To List:

List 1

- 09 - Engine, 2.0L / Fuel System / Standard Procedure
- 09 - Engine, 3.6L / Fuel System / Standard Procedure
- 09 - Engine, 5.7L / Fuel System / Standard Procedure



1 - High Voltage Trough Bolt
2 - Cable Ties
3 - High Voltage Trough Nut
4 - High Voltage Trough

8. Cut, remove and discard the cable ties.

9. Remove the fasteners and remove the wiring harness support from the vehicle.