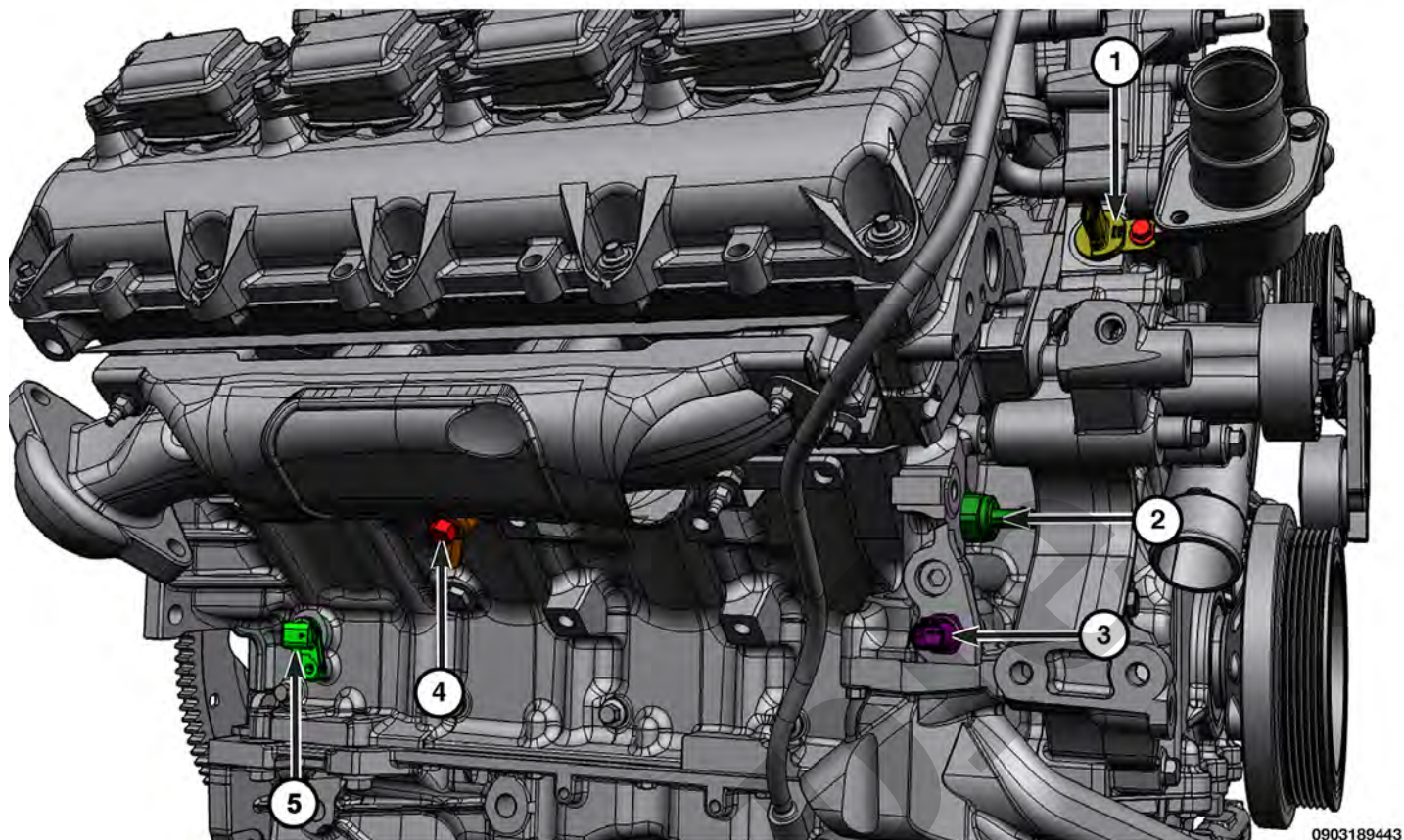


Your Ultimate Source for OEM Repair Manuals

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.

2013 JEEP Cherokee OEM Service and Repair Workshop Manual

[Go to manual page](#)



0903189443

CALLOUT	DESCRIPTION	SPECIFICATION	COMMENTS
1	Camshaft Position (CMP) Sensor	9 N·m (80 In. Lbs.)	–
2	Engine Oil Temperature Sensor	50 N·m (37 Ft. Lbs.)	–
3	Engine Oil Pressure / Temperature Sensor	15 N·m (11 Ft. Lbs.)	–
4	Knock Sensor	28 N·m (21 Ft. Lbs.)	–
5	Crankshaft Position (CKP) Sensor	12 N·m (9 Ft. Lbs.)	–
–	Engine Coolant Temperature Sensor	31 N·m (23 Ft. Lbs.)	–

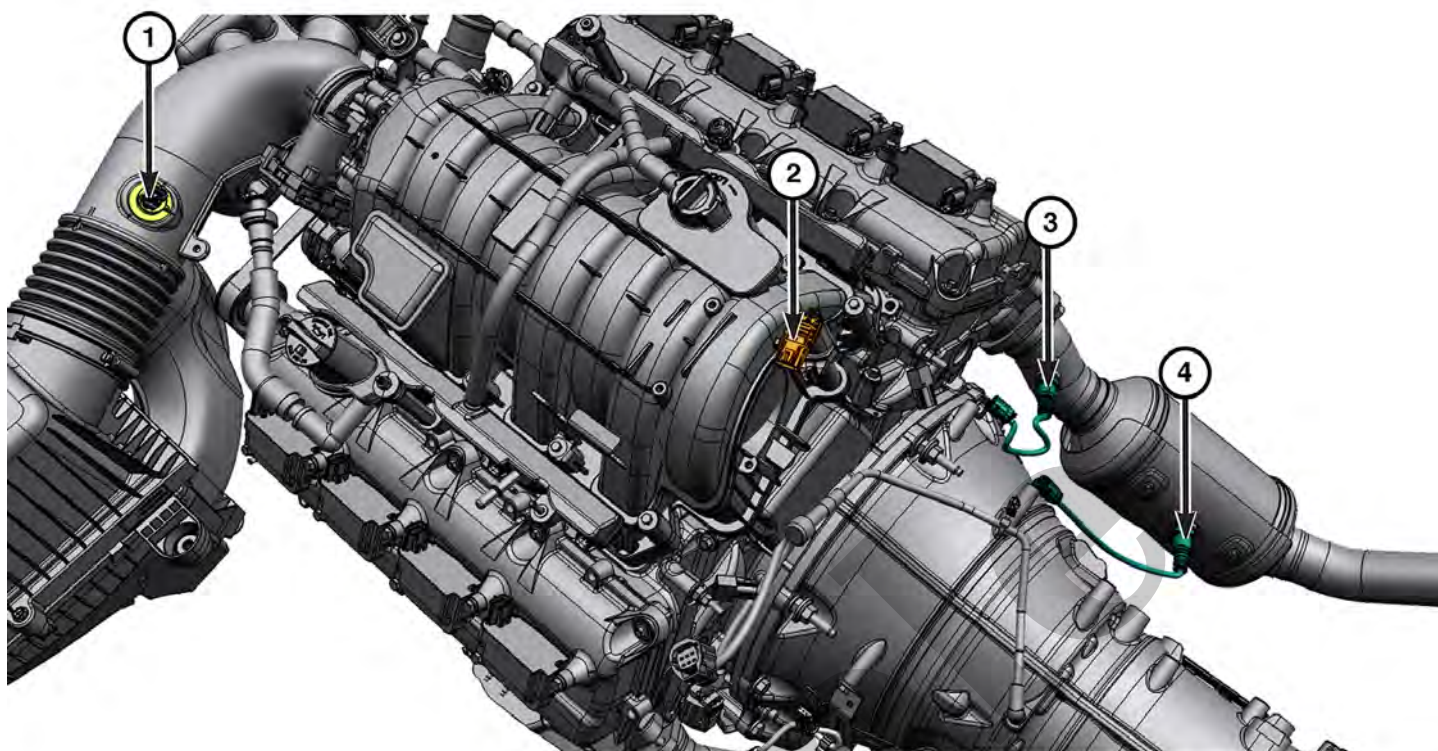
1 - IAT Sensor Wire Harness Connector
2 - IAT Sensor

1. Disconnect IAT sensor wire harness connector.
2. Clean the area around the IAT sensor base.
3. Gently lift the lock tab and rotate the IAT sensor a 1/4 turn counterclockwise and removal it.

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.

- Check condition of IAT sensor O-ring.
- Clean the IAT sensor mounting hole in the clean air hose.



0903189442

CALLOUT	DESCRIPTION	SPECIFICATION	COMMENTS
1	Intake Air Temperature Sensor	1/4 Turn	-
2	MAP Sensor	1/4 Turn	-
3	Upstream Oxygen Sensors	50 N·m (37 Ft. Lbs.)	-
4	Down stream Oxygen Sensors	50 N·m (37 Ft. Lbs.)	-

Oxygen Sensor

OXYGEN SENSOR

REMOVAL

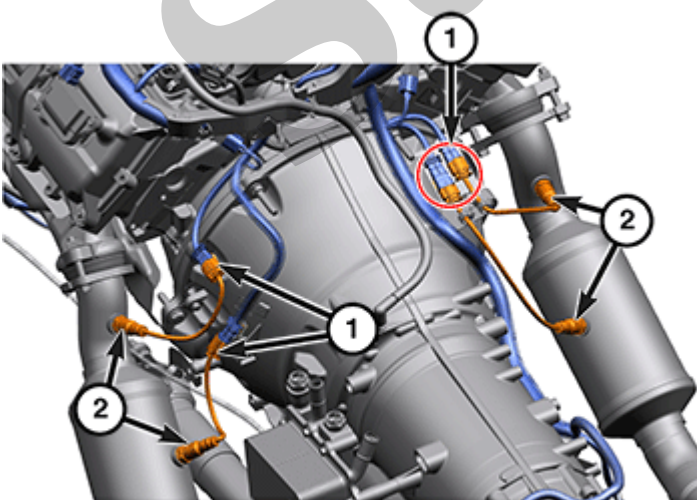
CAUTION

Never apply any type of grease to the oxygen sensor electrical connector, or attempt any repair of the sensor wiring harness.

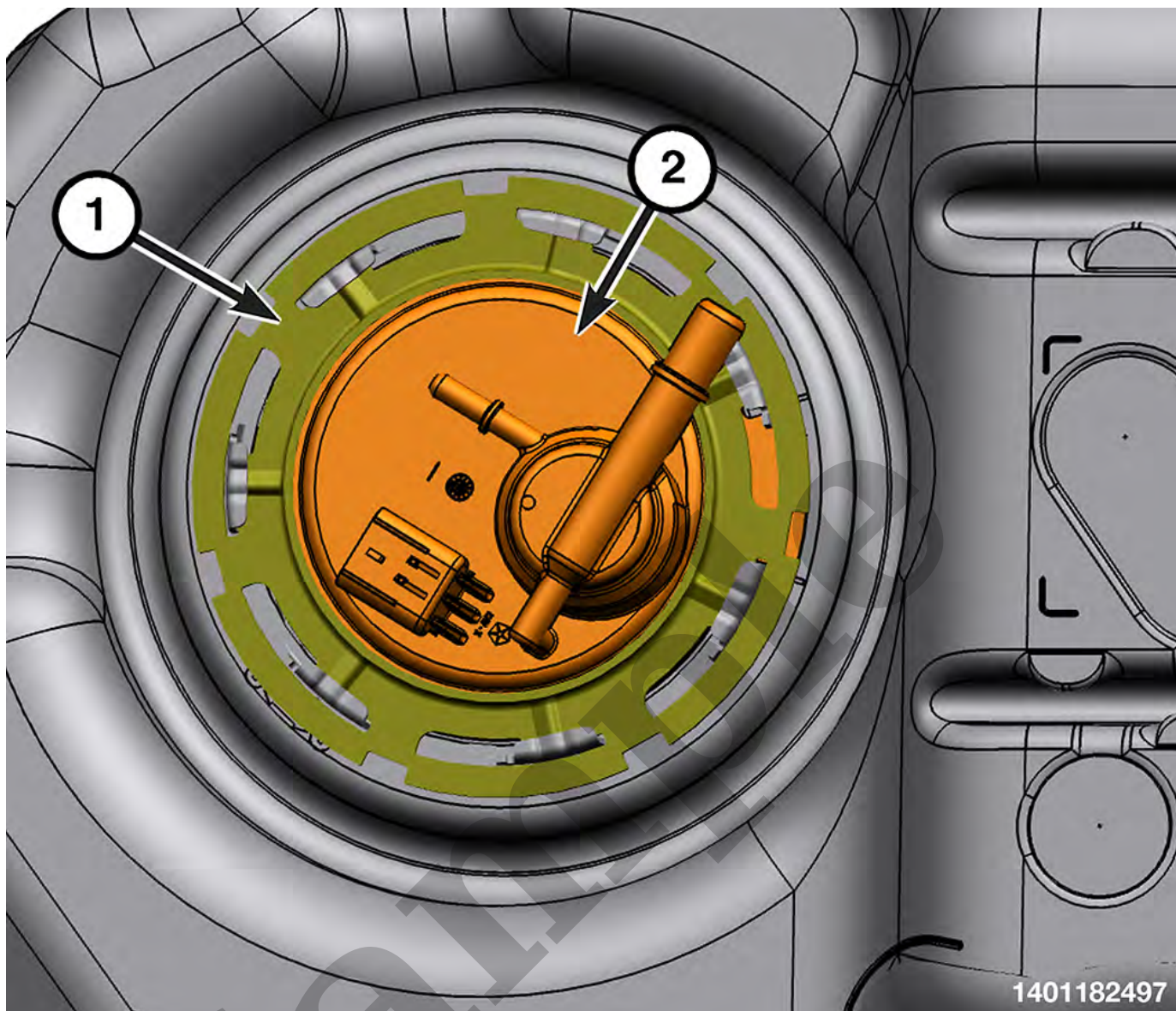
WARNING

The exhaust pipes and catalytic converter become very hot during engine operation. Allow the engine to cool before removing the oxygen sensor.

1. Remove the suspension stiffening plate ([Refer to Frame and Bumpers/Under Body Protection/PLATE, Stiffening /Removal and Installation](#))(Refer To List 1).



Sample

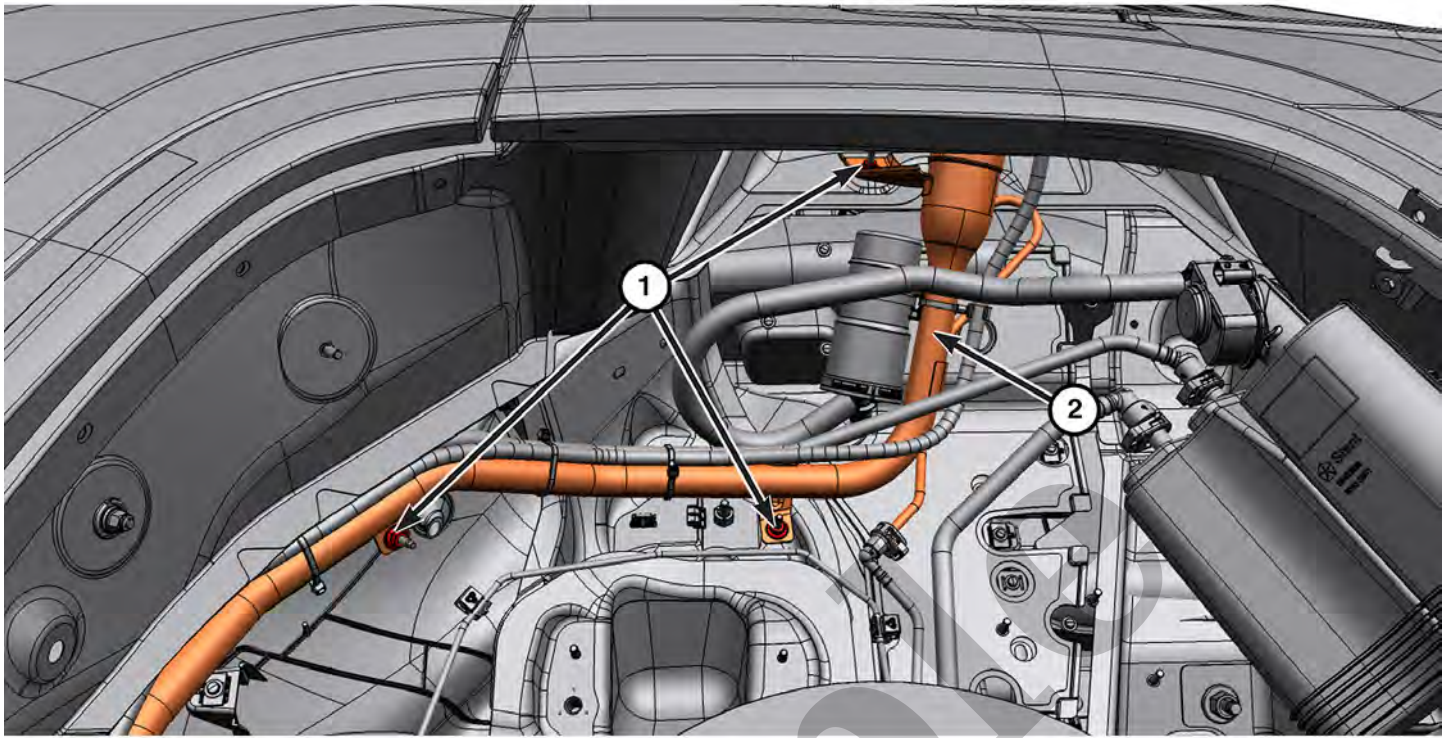


1 - Auxiliary Fuel Pump Module Lock Ring

2 - Auxiliary Fuel Pump Module

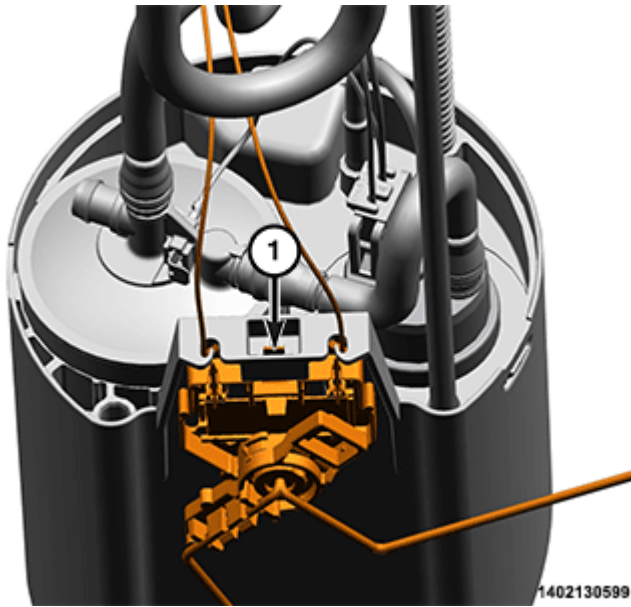
9. Position the

SAE Fuel Pump Lock Ring Wrench



0903189440

CALLOUT	DESCRIPTION	SPECIFICATION	COMMENTS
1	Fuel Filler Tube to Body Nut(s)	8 N·m (71 In. Lbs.)	-



1 - Fuel Level Sensor Retaining Tab

3. Disengage the fuel level sensor retaining tab from fuel pump module housing and slide the fuel level sensor upward, removing it from the fuel pump module.

INSTALLATION

Follow the removal procedure in reverse for general reassembly of the components on the vehicle.

TORQUE SPECIFICATIONS - FUEL SYSTEM

Sample