

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.

2017 Jeep Wrangler Service and Repair Manual

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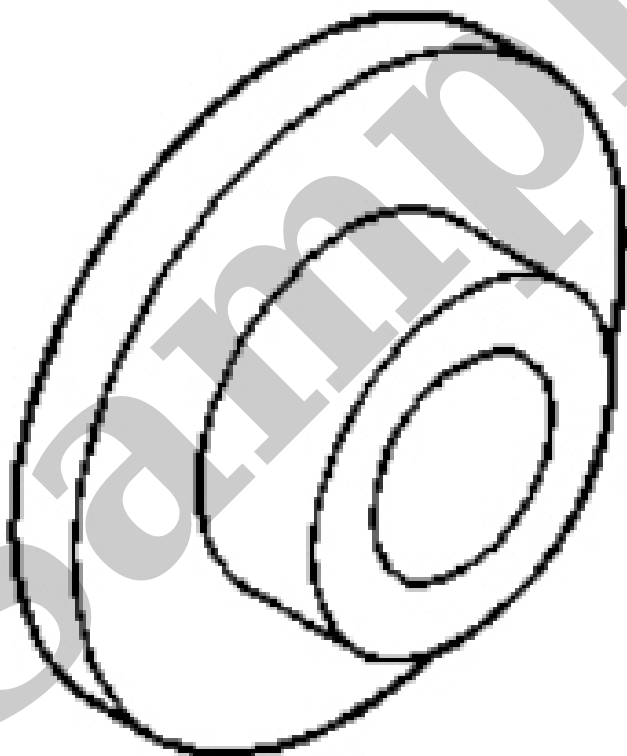
DESCRIPTION	SPECIFICATION	COMMENT
Blocker to Transmission Bolts	48 N·m (35 Ft. Lbs.)	—
Coolant Hose Bracket to Transmission Nut	8 N·m (71 In. Lbs.)	—
Engine Block to Bellhousing Bolt	48 N·m (35 Ft. Lbs.)	—
Engine Oil Pan to Bellhousing Bolt	50 N·m (37 Ft. Lbs.)	—
High Voltage Cable Bracket to Transmission Bolts	8 N·m (71 In. Lbs.)	—
Integrated Electric Oil Pump (IEP) Bolts	8 N·m (71 In. Lbs.)	—
Manual Park Release Cable Bracket to Transmission Bolts	20 N·m (15 Ft. Lbs.)	—
MGU Harness Trough to Transmission Bolt	5 N·m (44 In. Lbs.)	—
Output Speed Sensor Bolt	8 N·m (71 In. Lbs.)	—
P2 Motor Temperature Sensor	11 N·m (8 Ft. Lbs.)	—
Park Pawl Lock Rod Guide Plate Bolt	10 N·m (89 In. Lbs.)	—
Park Pawl Shaft Plug	35 N·m (26 Ft. Lbs.)	—

YOUR CURRENT VEHICLE

Special Tools

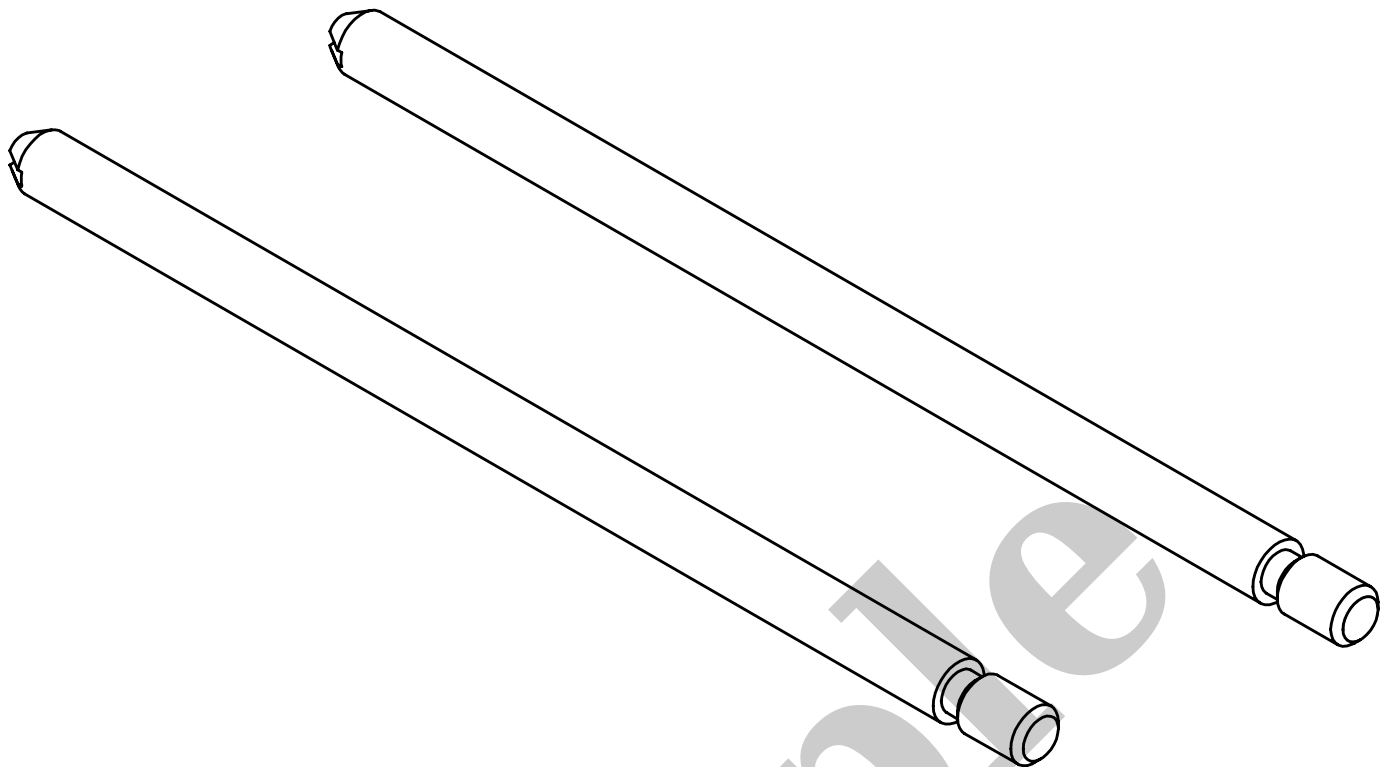
SPECIAL TOOLS

Spacer



Disconnect Tool

Pins, Valve Body Alignment



Plate, Clutch Pressure Test

Check Fluid Level

CHECK FLUID LEVEL

WARNING

There is a risk of accident from vehicle moving when the engine is running. Secure vehicle to prevent it from moving. There is a risk of injury from contusions and burns if you insert your hands into the engine when it is running. Do not touch hot or rotating parts. Wear properly fitted work clothes.

CAUTION

A unique transmission fluid has been developed for this transmission. This fluid is NOT compatible with ATF+4 or any other current FCA US LLC transmission fluid. For specifics about this unique fluid see FLUIDS, LUBRICANTS AND GENUINE PARTS.

NOTE

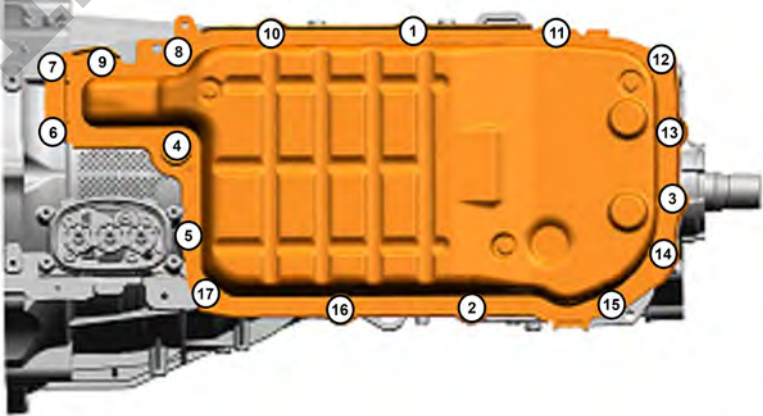
Oil dye is not required to find leaks in the 8HP transmission. The oil dye can cause shift quality issues and is not recommended. The 8HP fluid has illuminance that is visible under a black light.

1. Open the hood.

NOTE

The hood must be open for the engine to run while performing this procedure.

2. Raise and support the vehicle **on a level hoist** ([Refer to Vehicle Quick Reference/Hoisting - Standard Procedure](#)).
3. Disable the Electronic Stability Control (ESC).
4. Start the engine. The engine must continue to run for the entire test.

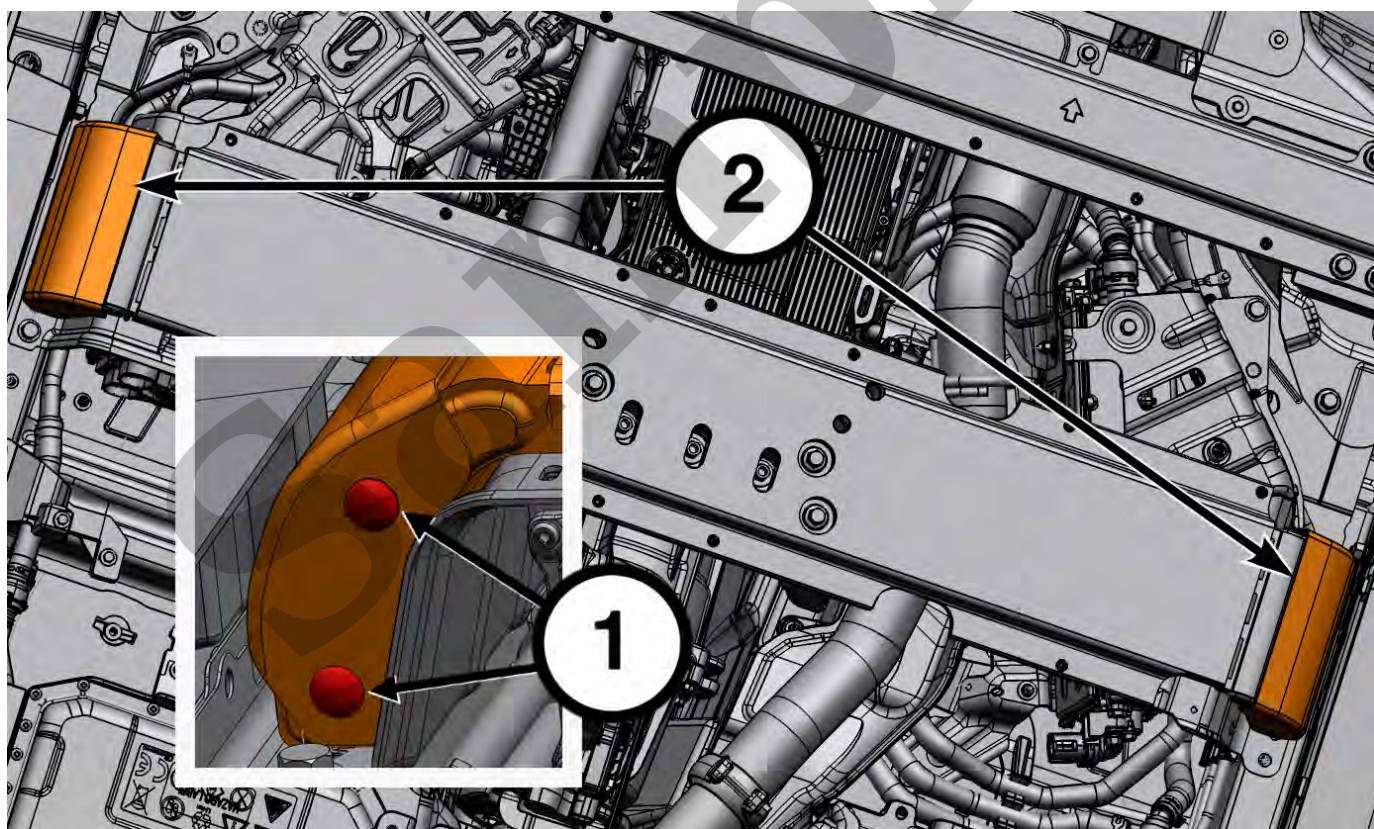
DESCRIPTION	SPECIFICATION	COMMENT
Starter Cover Lower Bolt	25 N·m (18 Ft. Lbs.)	—
Starter Cover Upper Bolt	25 N·m (18 Ft. Lbs.)	—
Torsional Damper Bolts	105 N·m (77 Ft. Lbs.)	—
Transmission Oil Cooler Line To Transmission Bolt	11 N·m (8 Ft. Lbs.)	—
Transmission Oil Cooler Line Bracket to Engine Oil Pan Bolt	30 N·m (22 Ft. Lbs.)	—
Transmission Oil Pan Bolt	11 N·m (8 Ft. Lbs.)	<p>Tightening Sequence</p>  <p>2101197717</p>
Transmission Oil Pan Drain Plug	9 N·m (80 In. Lbs.)	—
Transmission Oil fill Plug	35 N·m (26 Ft. Lbs.)	—

Fragile Wiring Caution

CAUTION

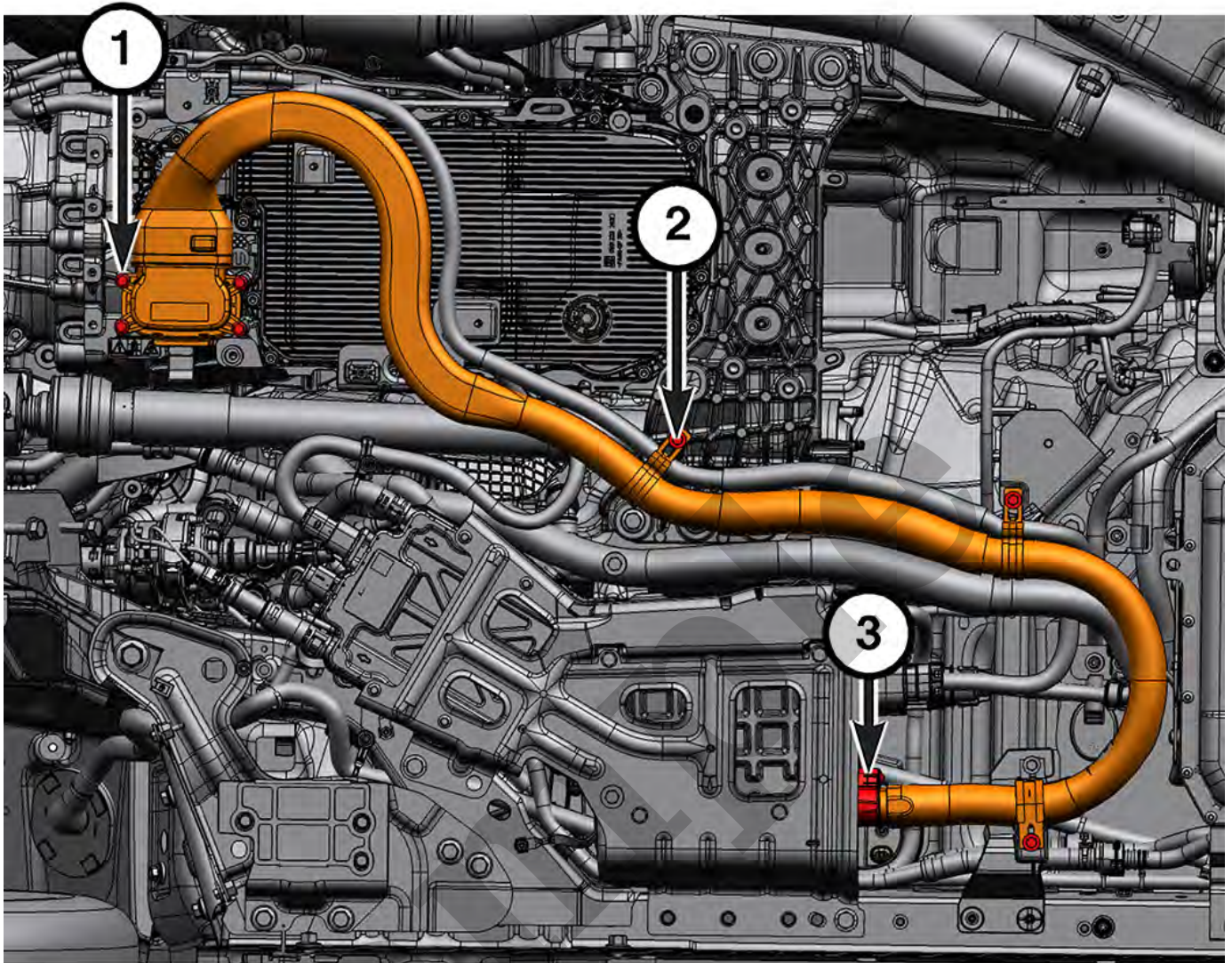
The high voltage wiring is a very fragile, delicate component, so it must be handled with the greatest care. The pre-formed elbows must not be straightened.

1. Power down the high voltage system ([Refer to Electrified Powertrain System/High Voltage Battery/Standard Procedure](#)).
2. Raise and support the vehicle ([Refer to Vehicle Quick Reference/Hoisting - Standard Procedure](#)).
3. Remove the stiffening plate ([Refer to Frame and Bumpers/Under Body Protection/PLATE, Stiffening/Removal and Installation](#))(Refer To List 1).
4. Remove the PHEV - front skid plate brace ([Refer to Frame and Bumpers/Frame/CROSSMEMBER/Removal and Installation](#)).



1 - Push-Pins

2 - Crossmember Support Cap



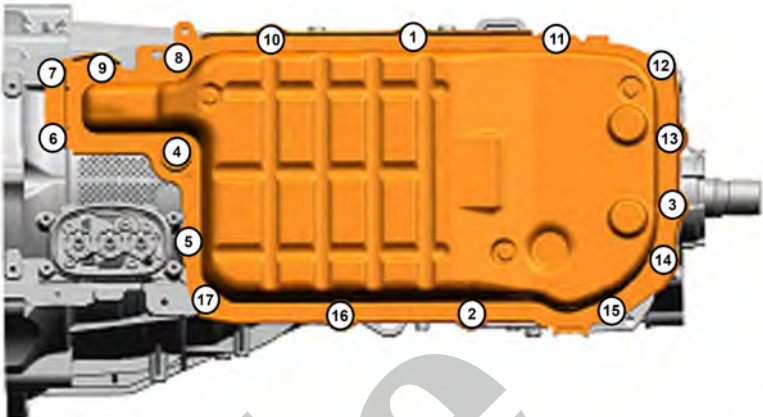
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1 - Transmission High Voltage Cable Connector Bolts

2 - Bolt

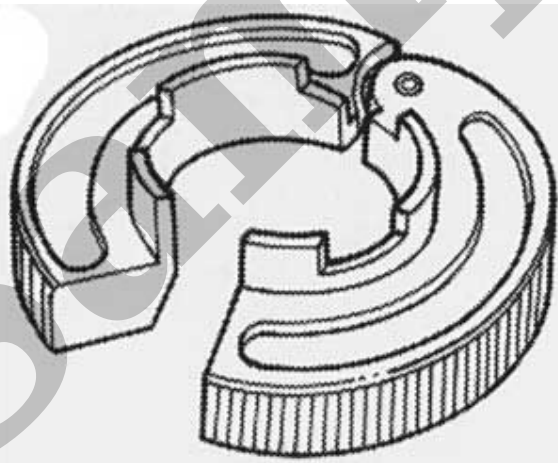
3 - High Voltage Connector to PIM

11. Remove the bolts from the transmission high voltage cable connector.
12. Cover the high voltage wiring harness connector and carefully position the transmission high voltage cable aside.
13. Drain the transmission fluid into a clean container ([Refer to Transmission and Transfer Case/Automatic/Standard Procedure](#))(Refer To List 2).

DESCRIPTION	SPECIFICATION	COMMENT
		 <p>2101197717</p>
Transmission Oil Pan Drain Plug	9 N·m (80 In. Lbs.)	—
Transmission Oil fill Plug	35 N·m (26 Ft. Lbs.)	—
Transmission Mount to Adapter	30 N·m (22 Ft. Lbs.)	—
Transmission Support Bracket to Transmission	17 N·m (12 Ft. Lbs.)	—
Valve Body Bolt	8 N·m (71 In. Lbs.)	Tightening Sequence

onto a $\frac{3}{8}$ inch transmission cooler line or special tool

Disconnect Tool



onto a $\frac{1}{2}$ inch transmission cooler line with the fingers of the tool facing the quick connect fitting.

3. Slide the disconnect tool down the transmission oil cooler line and attach the fingers of the tool into the retaining clip. When properly attached in the clip, the tool will fit flush against the quick connect fitting.
4. Rotate the disconnect tool 60° to expand the retaining clip.