

# 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.

## 1986 JEEP Wagoneer OEM Service and Repair Workshop Manual

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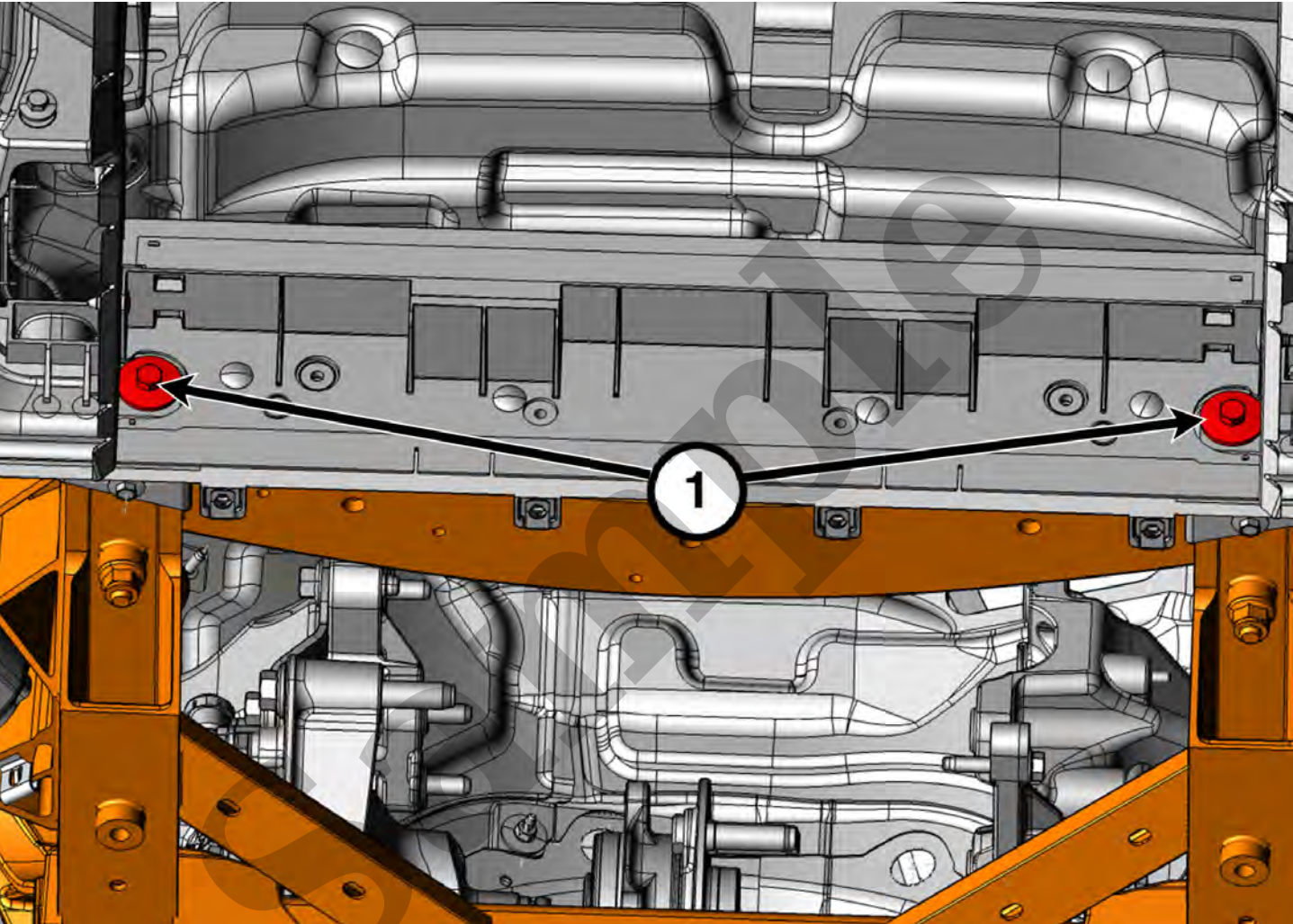
YOUR CURRENT VEHICLE

## Torque Specifications

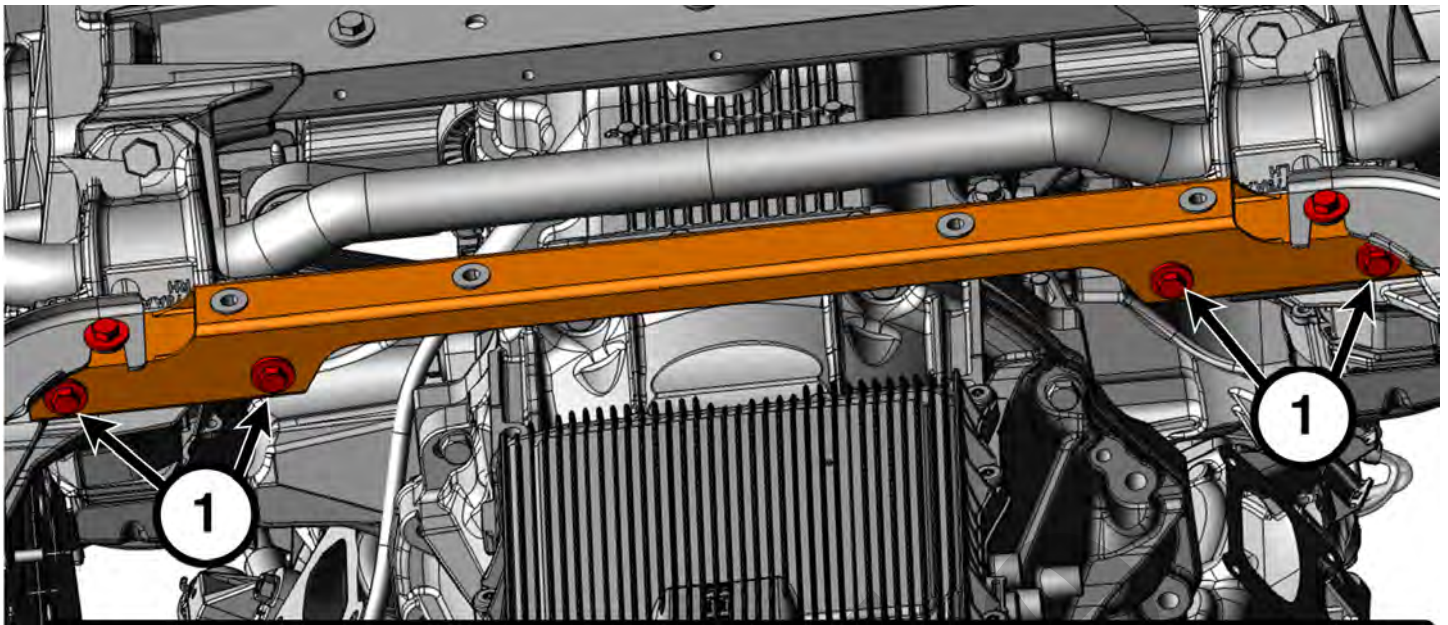
### TORQUE SPECIFICATIONS

DESCRIPTION	N·m	Ft Lbs	In Lbs	COMMENT
Belly pan front fasteners	42	31	—	
Belly pan rear fasteners	20	15	—	
Front bumper reinforcement bolts	45	33	—	
Front bumper reinforcement nuts	45	33	—	
Front crossmember bolts	313	231	—	
Front crossmember to body	9	—	80	
Front fascia fasteners	8	—	71	
Hitch crossmember to bracket bolts	165	122	—	
Hitch bracket to frame rail bolts	190	66	—	
Hitch to frame tip bolts	60	44	—	
Hitch to frame tip nuts	60	44	—	
Right side shield to cradle bolt	20	15	—	
Rear bumper reinforcement bolts	25	18	—	
Rear bumper reinforcement nuts	25	18	—	

5	Shear Plate to Cradle	<b>63 N·m (46 Ft. Lbs.)</b>	—
6	Shear Plate to Body	<b>100 N·m (74 Ft. Lbs.)</b>	—



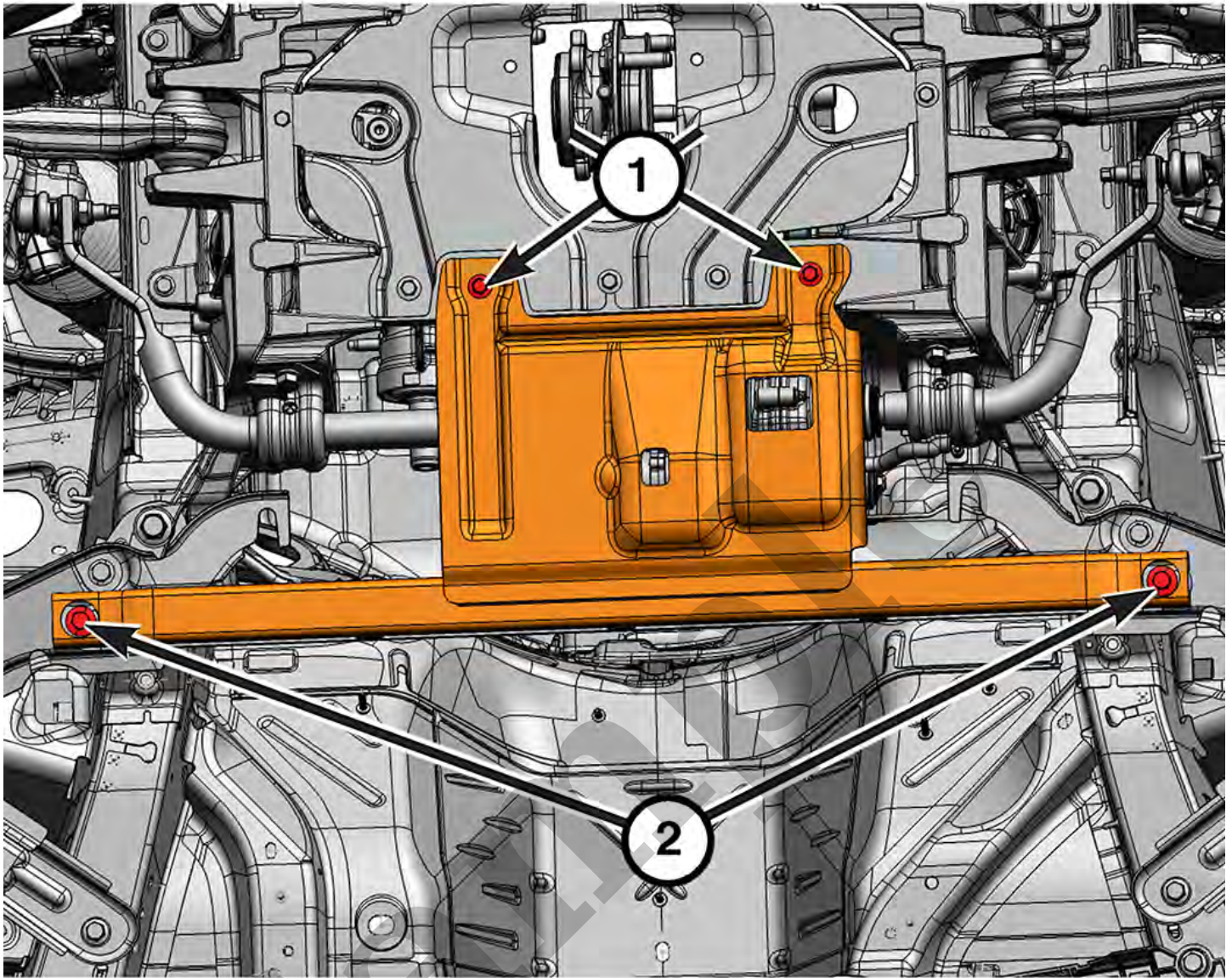
CALLOUT	DESCRIPTION	SPECIFICATION	COMMENT
1	Front End Module to Cradle	<b>15 N·m (11 Ft. Lbs.)</b>	–



CALLOUT	DESCRIPTION	SPECIFICATION	COMMENT
1	Torquebox Crossmember to Stabilizer Bar bracket	25 N·m (18 Ft. Lbs.)	—

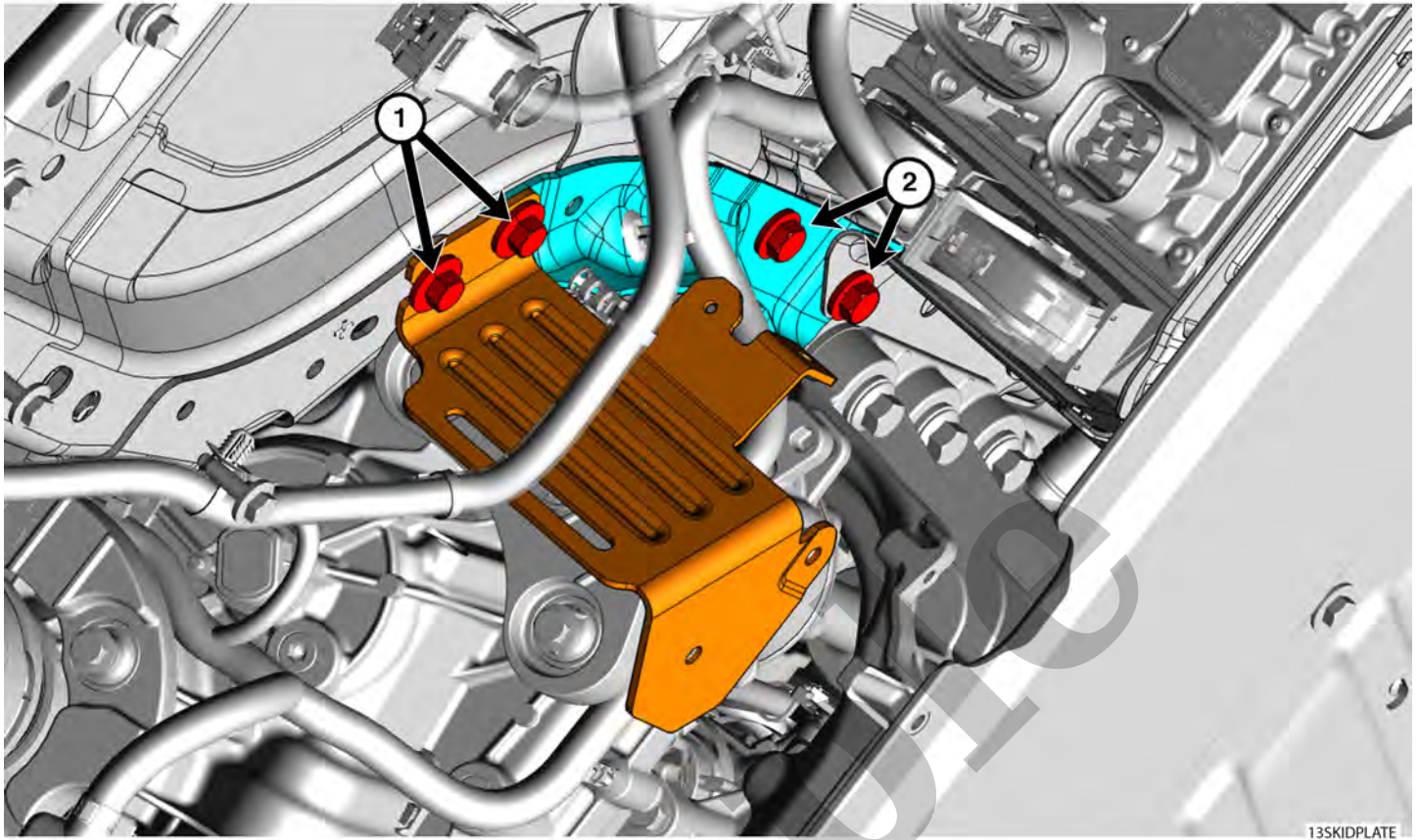
**TORQUE SPECIFICATIONS - CROSSMEMBERS - PHEV**





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CALLOUT	DESCRIPTION	SPECIFICATION	COMMENT
1	Stabilizer Bar Skid Plate to Crossmember bolts	<b>17.5 N·m (13 Ft. Lbs.)</b>	—
2	Stabilizer Bar Skid Plate to Shear Plate bolts	<b>55 N·m (41 Ft. Lbs.)</b>	—



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

## TRAILER HITCH AND TOW HOOKS

### TORQUE SPECIFICATIONS - TRAILER HITCH AND TOW HOOK

1 - Front Belly Pan
2 - Fasteners

2. Remove the fasteners that retain the belly pan.

3. Remove the front belly pan.

### **INSTALLATION**

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

Sample

1 - Transmission Belly Pan
2 - Fasteners

2. Remove the fasteners that retain the belly pan.

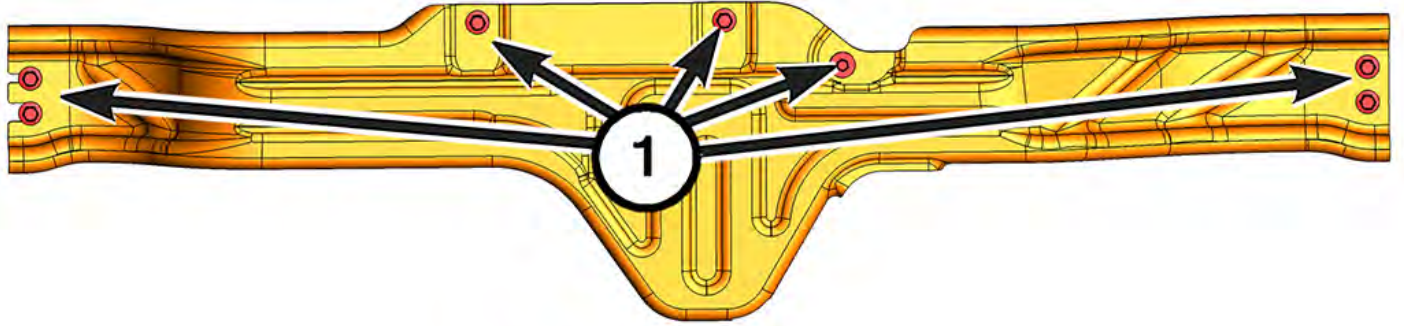
3. Remove the transmission belly pan.

### **INSTALLATION**

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

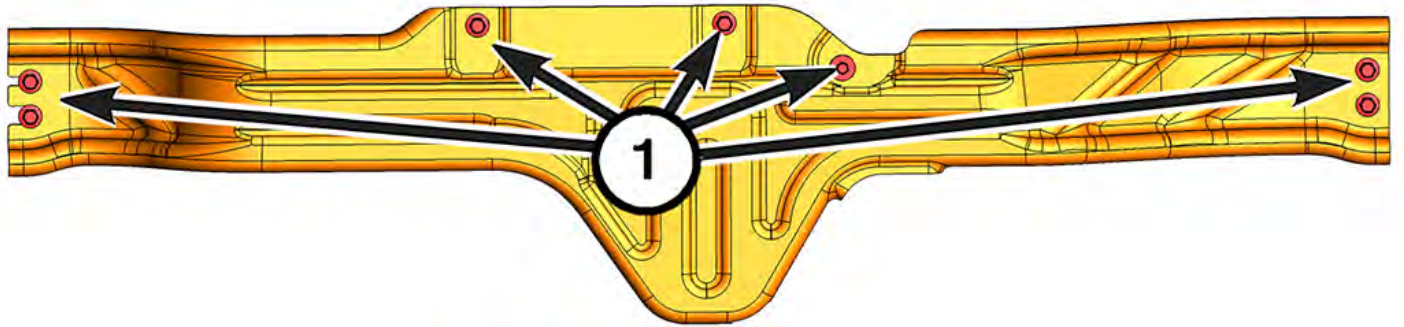
Sample





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CALLOUT	DESCRIPTION	SPECIFICATION	COMMENT
1	Transfer Case Skid Plate bolts - 5.7L	20 N·m (15 Ft. Lbs.)	—
2	Transfer Case Skid Plate bolts - 3.6L	20 N·m (15 Ft. Lbs.)	—
3	Battery Skid Plate to Rail Bolts	35 N·m (26 Ft. Lbs.)	—



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CALLOUT	DESCRIPTION	SPECIFICATION	COMMENT
1	Transfer Case Skid Plate bolts - 5.7L	20 N·m (15 Ft. Lbs.)	—
2	Transfer Case Skid Plate bolts - 3.6L	20 N·m (15 Ft. Lbs.)	—
3	Battery Skid Plate to Rail Bolts	35 N·m (26 Ft. Lbs.)	—