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2017 Jeep Grand Cherokee Service and Repair Manual

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1 - Drive Sprockets
2 - Chain

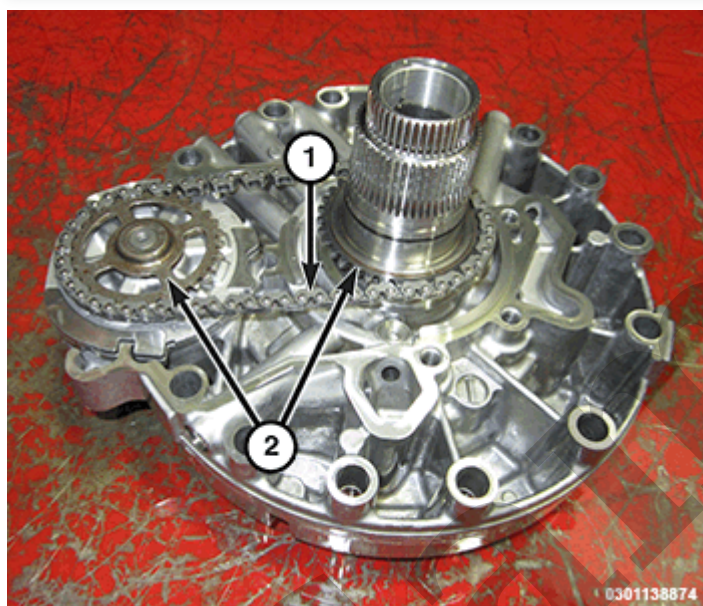
19. Remove the drive sprockets, chain and pump body as an assembly.

20. Remove and **DISCARD** all O-rings.

INSTALLATION

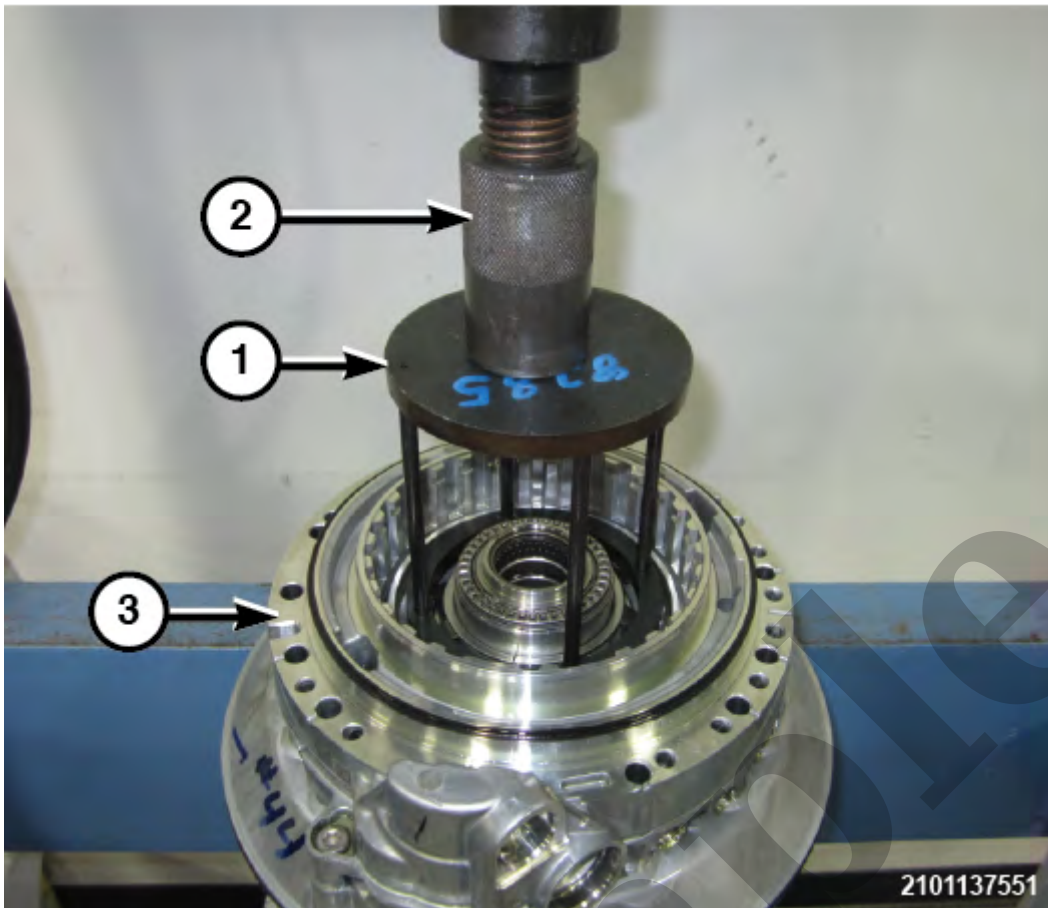
NOTE

If transmission oil pump was disassembled, replace all O-rings.



1 - Drive Sprockets
2 - Chain

1. Install the drive sprockets, chain and pump body as an assembly into the transmission oil pump housing.



1 - Spring Compressor Tool

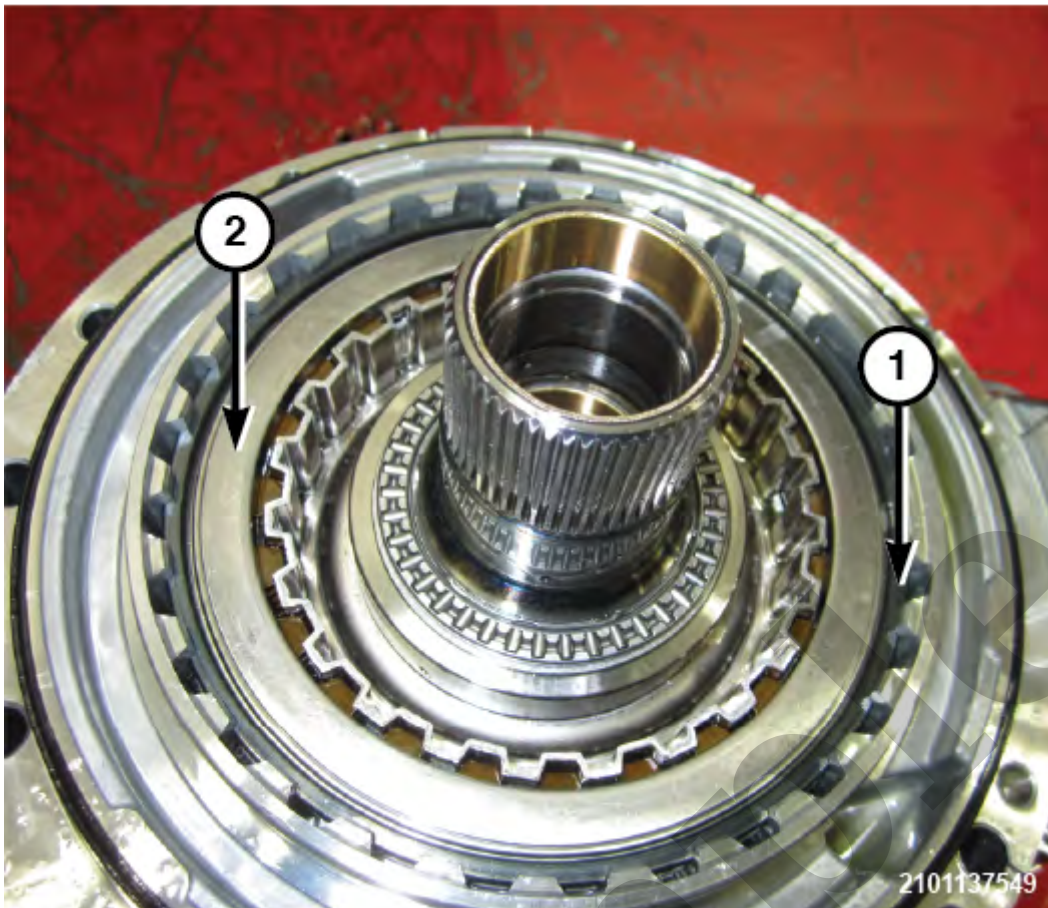
2 - Arbor Press

3 - Transmission Oil Pump Assembly

6. Position the transmission oil pump housing assembly in a suitable arbor press.

7. Using

Compressor, Spring



1 - Snap Ring

2 - Clutches and Plates

10. Install the clutches and plates.

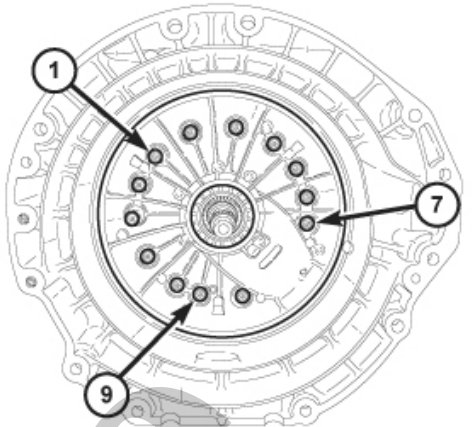
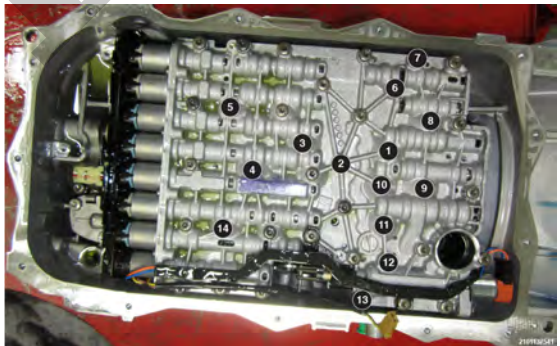
11. Install the snap ring.



1 - Transmission Oil Pump Assembly To Case Bolts

16. Firmly press the transmission oil pump in place by hand before drawing it in with the **NEW** transmission oil pump assembly to case bolts.

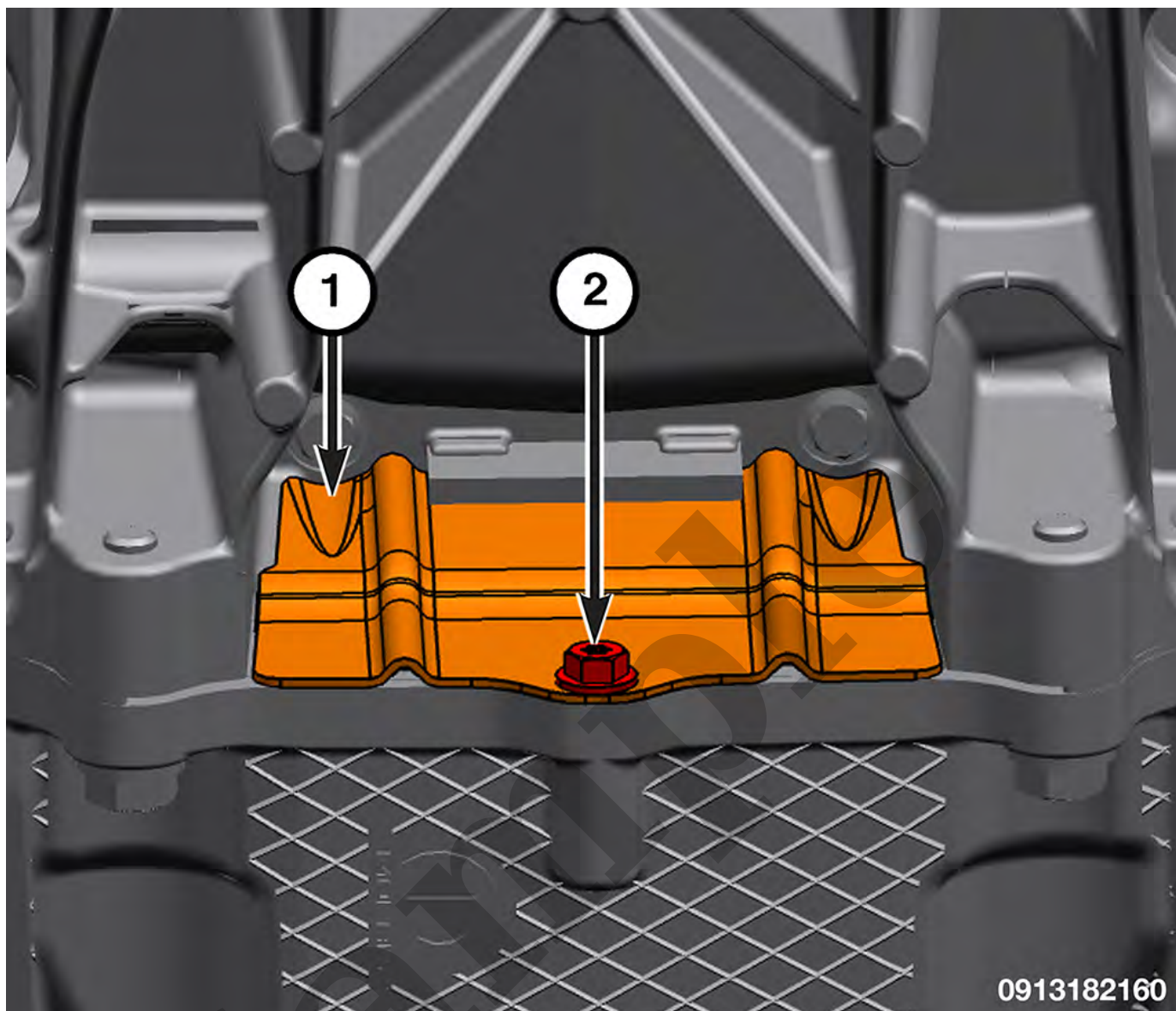
The transmission oil pump assembly to case bolts must be tightened in the sequence shown in the torque table below.

DESCRIPTION	SPECIFICATION	COMMENT
	<p>number one, tighten to 10 N·m (89 in. lb.) .</p> <p>3. Working in a clockwise pattern, beginning with number one, tighten an 90° .</p>	 <p>3647896</p>
Transmission Oil Pump Housing to Cover Bolt	5 N·m (44 In. Lbs.) + 45°	If removed, NEW fasteners must be installed and tightened to specifications.
Valve Body Bolt	8 N·m (71 In. Lbs.)	<p>Tightening Sequence</p> 

Refer To List:

List 1

- [21 - Transmission and Transfer Case / Automatic - 8HP50/850RE / PUMP, Transmission Oil / Removal and Installation](#)
- [21 - Transmission and Transfer Case / Automatic - 8HP75 / PUMP, Transmission Oil / Removal and Installation](#)
- [21 - Transmission and Transfer Case / Automatic - 8P75PH / PUMP, Electric Transmission Oil / Removal and Installation](#)



1 - Transmission Dust Cover

2 - Transmission Dust Cover Bolt

13. Remove the transmission dust cover bolt and dust cover .

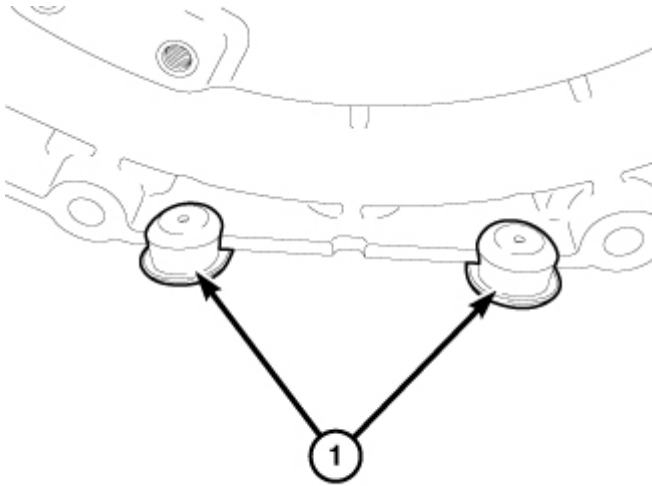


1 - Transmission Wire Harness Connector

18. Turn the locking mechanism of the transmission wire harness connector counter-clockwise to release the lock and disconnect the transmission wire harness connector.

If the transmission is being reconditioned (clutch/seal replacement) or replaced, it is necessary to perform the TRANSMISSION VERIFICATION TEST after installation ([Refer to DTC-Based Diagnostics/MODULE, Transmission Control \(TCM\)/Standard Procedure](#))([Refer To List 4](#)).

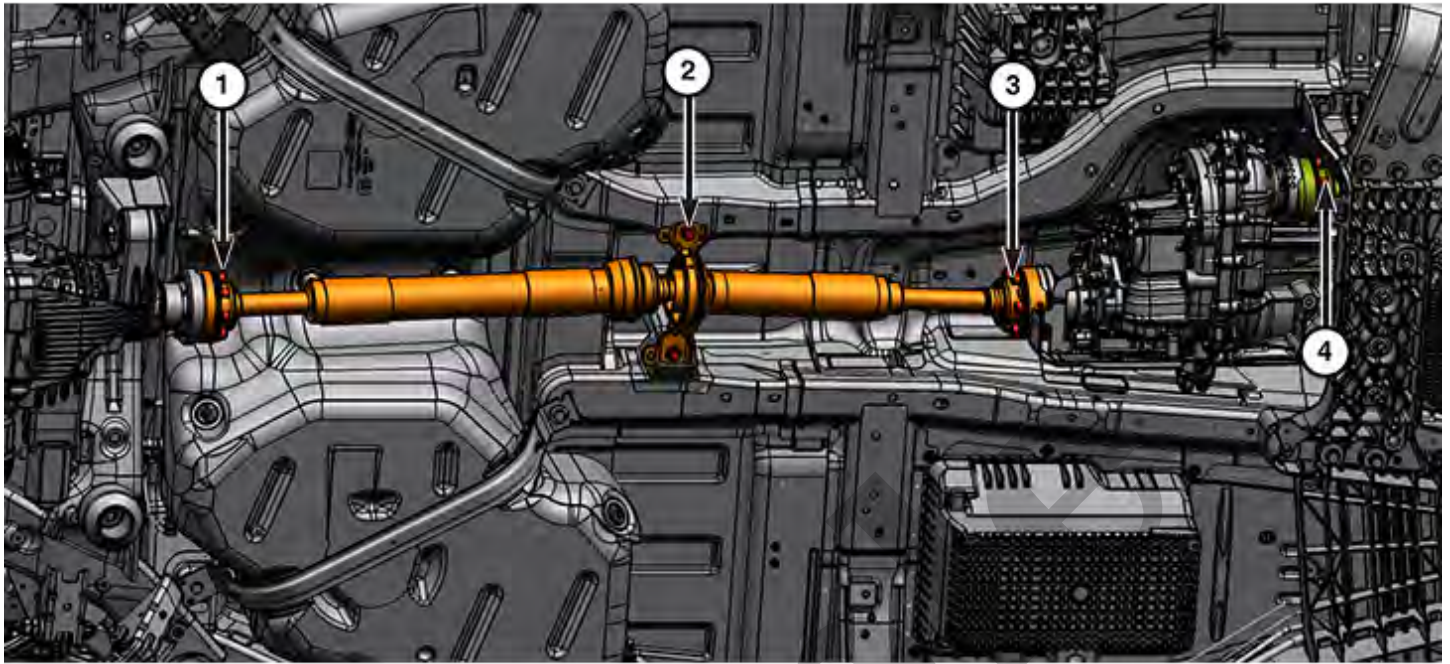
- Apply a light coat of grease into the engine crankshaft torque converter pilot.
- Verify that the transmission dowel pins are seated in engine block and protrude far enough to hold transmission in alignment.



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1 - Rubber Access Plugs

- Verify that the rubber access plugs are installed in the front of the transmission.
- Install the torque converter. Verify torque converter is completely seated ([Refer to Transmission and Transfer Case/Automatic/TORQUE CONVERTER/Removal and Installation](#))([Refer To List 5](#)).
- If removed or transmission was replaced, install the extension housing on the transmission.
- Hold torque converter in place during transmission installation of transmission.
- Rotate the torque converter to line up with the flex plate holes before the transmission is bolted to the engine.
- During installation of the driveshafts, align the previously created marks on the driveshafts with the marks on the output flanges.
- Perform the STANDARD PROCEDURE - TRANSMISSION FILL AFTER SERVICE, ([Refer to Transmission and Transfer Case/Automatic/Standard Procedure](#))([Refer To List 6](#)).
- If the transmission is reconditioned or replaced, program the Transmission Control Module (TCM) ([Refer to Electrical/8E - Electronic Control Modules/MODULE, Transmission Control/Module Programming](#)).
- If the valve body is replaced, program the Transmission Control Module (TCM) ([Refer to Electrical/8E - Electronic Control Modules/MODULE, Transmission Control/Module Programming](#)).



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CALLOUT	DESCRIPTION	SPECIFICATION	COMMENTS
1	Rear Driveshaft to Rear Pinion Flange Bolts	56 N·m (41 Ft. Lbs.)	If removed, NEW bolts must be installed and tightened to specifications
2	Rear Driveshaft Center Support Bearing Bolts	55 N·m (41 Ft. Lbs.)	If removed, NEW bolts must be installed and tightened to specifications
3	Rear Driveshaft to Transfer Case Flange Bolts	56 N·m (41 Ft. Lbs.)	If removed, NEW bolts must be installed and tightened to specifications
4	Front Driveshaft to Transfer Case Flange Bolts	56 N·m (41 Ft. Lbs.)	If removed, NEW bolts must be installed and tightened to specifications

Refer To List:

List 1

- [09 - Engine, 2.0L / Cooling System / Engine Cooling / Standard Procedure](#)
- [09 - Engine, 3.6L / Engine Cooling / Standard Procedure](#)