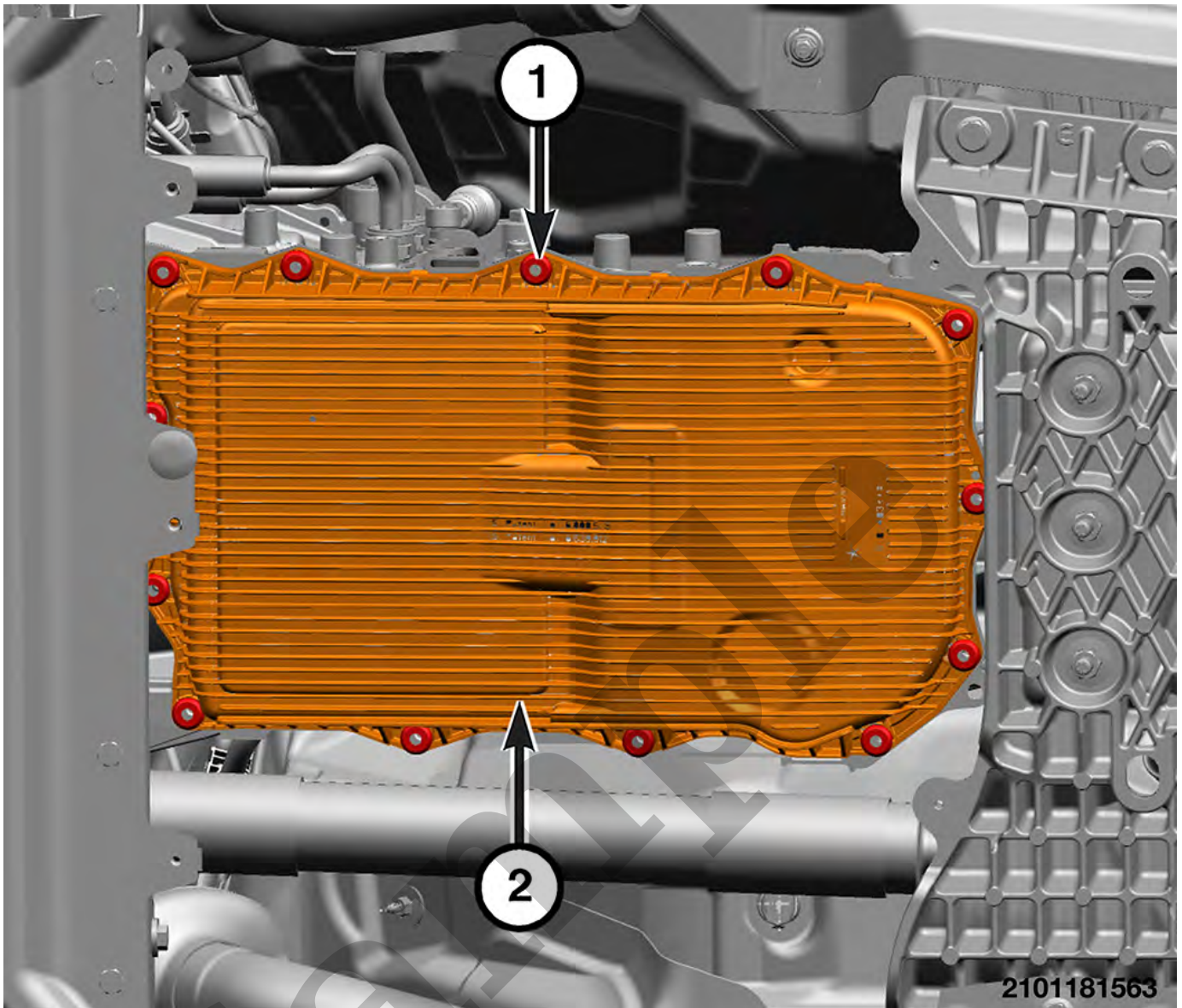


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2017 Jeep Patriot Service and Repair Manual

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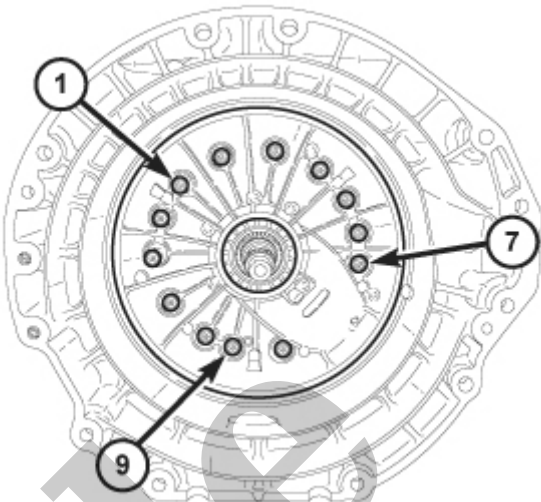
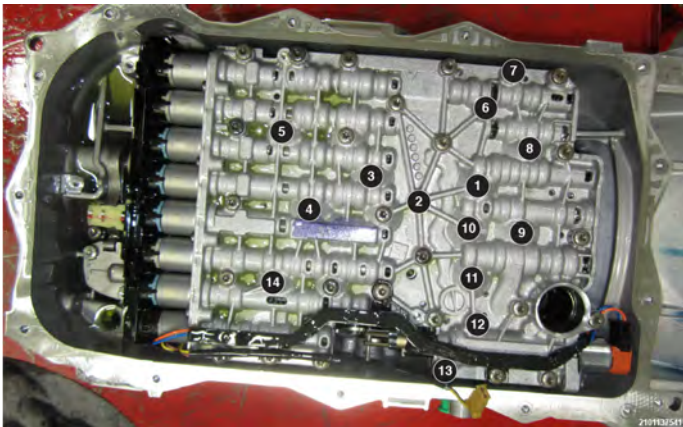
1 - Transmission Fluid Filter/Pan Bolts

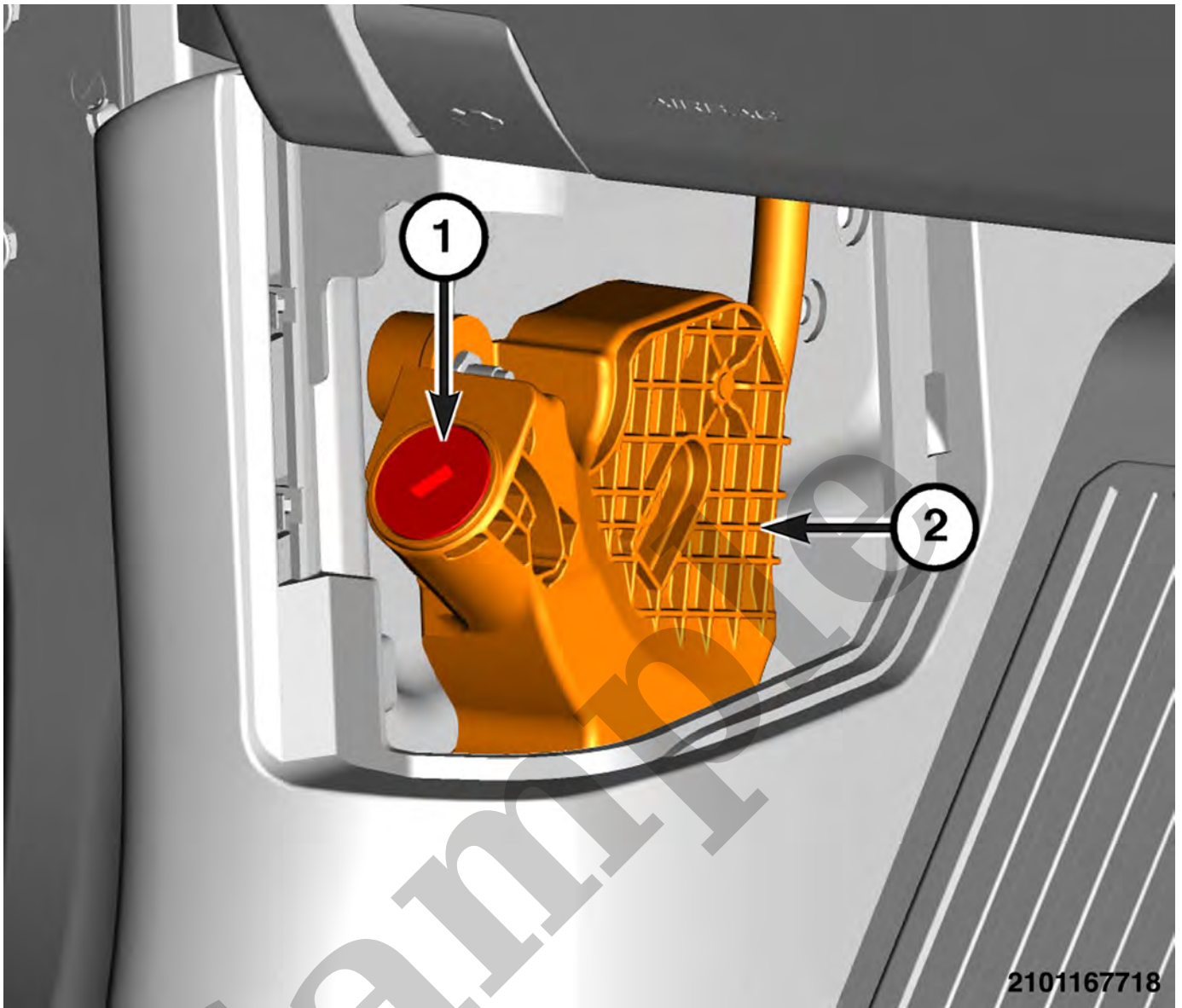
2 - Transmission Fluid Filter/Pan

4. Remove the transmission oil pan bolts, drain the transmission.
5. Remove the transmission oil/filter pan assembly with the gasket. If the transmission fluid/filter pan assembly is being removed for damage or contamination concerns, discard and replace the transmission fluid/filter pan assembly.

NOTE

Inspect the gasket for reuse. If the seal is cut or torn, replace the gasket.

DESCRIPTION	SPECIFICATION	COMMENT
	<p>3. Working in a clockwise pattern, tighten the oil pump cover bolts starting at (1)</p> <p>4. Rotate additional 90°</p>	 <p>3647886</p>
Transmission Oil Pump Housing to Cover Bolt	<p>Torque Procedure:</p> <p>1. Tighten to 5 N·m (44 In. Lbs.)</p> <p>2. Rotate additional 45°</p>	If removed, NEW fasteners must be installed and tightened to specifications.
Transmission Output Flange nut	69 N·m (51 Ft. Lbs.)	If removed, NEW fastener must be installed and tightened to specifications.
Valve Body Bolt	8 N·m (71 In. Lbs.)	<p>Tightening Sequence</p> 



1 - MPR Cable Adjustment

2 - Manual Park Release Lever Mechanism

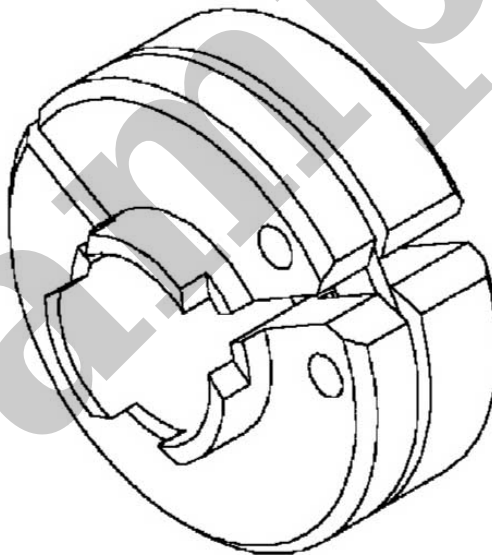
3. Using a suitable tool, rotate the MPR cable adjustment counter-clockwise until it stops.
4. Pull up on the MPR cable adjustment handle until it stops. The transmission should be in neutral.

1 - QUICK CONNECT FITTING
2 - DUST CAP
3 - OIL COOLER LINE
4 - SPECIAL TOOL 8875A for $\frac{3}{8}$ " Line or 9546 for $\frac{1}{2}$ " Line.

1. Remove dust cap by pulling it straight back from the quick connect fitting.

2. Place disconnect, Special Tool

Disconnect, Transmission Cooler Line



onto a $\frac{3}{8}$ inch transmission cooler line or Special Tool

Disconnect Tool

YOUR CURRENT VEHICLE

Transmission Oil Fill After Service

TRANSMISSION OIL FILL AFTER SERVICE

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.

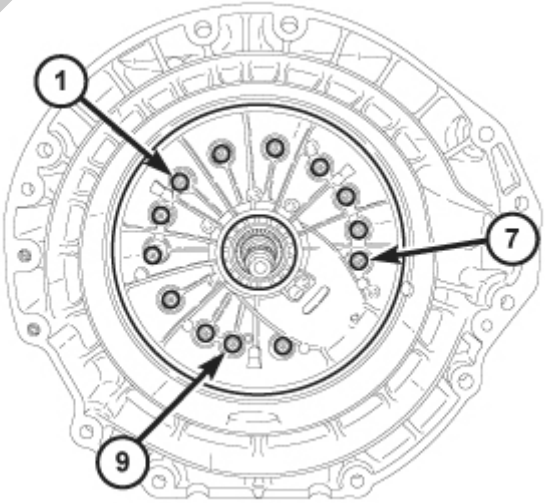
NOTE

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.

To properly fill the transmission after an in vehicle service or an overhaul, perform the following procedure:

NOTE

If the transmission cooler was replaced, add an additional 0.7L (0.72 qts) of transmission fluid.

DESCRIPTION	SPECIFICATION	COMMENT
Transmission Oil Pan Drain Plug	9 N·m (80 In. Lbs.)	-
Transmission Mount Bracket bolts (2WD)	63 N·m (46 Ft. Lbs.)	-
Transmission Mount to Transmission Crossmember Nuts	63 N·m (46 Ft. Lbs.)	-
Transmission Mount to Transfer Case or Transmission Bracket Bolts	63 N·m (46 Ft. Lbs.)	-
Transmission Oil Pump Assembly to Case Bolts	<p>Torque Procedure:</p> <ol style="list-style-type: none"> 1. Tighten bolts (1), (7) and (9) to 6 N·m (53 in. lb.) 2. Working in a clockwise pattern, tighten the oil pump cover bolts starting at (1) to 10 N·m (89 In. Lbs.) 3. Working in a clockwise pattern, tighten the oil pump cover bolts starting at (1) 4. Rotate additional 90° 	<p>If removed, NEW fasteners must be installed and tightened to specifications.</p>  <p>3647886</p>
Transmission Oil Pump Housing to Cover Bolt	<p>Torque Procedure:</p> <ol style="list-style-type: none"> 1. Tighten to 5 N·m (44 In. Lbs.) 	<p>If removed, NEW fasteners must be installed and tightened to specifications.</p>

YOUR CURRENT VEHICLE

Torque Specifications

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS - TRANSMISSION - 8HP75

DESCRIPTION	SPECIFICATION	COMMENT
Bellhousing Bolt	53 N·m (39 Ft. Lbs.)	—
Bellhousing to Engine Oil Pan Bolts	45 N·m (33 Ft. Lbs.)	—
Flexplate to Crankshaft Bolts	95 N·m (70 Ft. Lbs.)	Do not reuse these fasteners. If removed, a NEW fastener must be installed and tightened to specifications.
Hydraulic Impulse Solenoid (HIS) Bolts	8 N·m (71 In. Lbs.)	—
Manual Park Release Cable Bracket to Transmission Bolts	20 N·m (15 Ft. Lbs.)	—
Manual Park Release Lever Shaft Nut	20 N·m (15 Ft. Lbs.)	—
Manual Park Release Handle to Body Nuts	5 N·m (44 In. Lbs.)	—
Output Speed Sensor Bolt	9 N·m (80 In. Lbs.)	—
Oil Cooler Line Bolt	10 N·m (89 In. Lbs.)	—

YOUR CURRENT VEHICLE

Torque Converter

TORQUE CONVERTER

REMOVAL

1. Remove the transmission from the vehicle ([Refer to Transmission and Transfer Case/Automatic/Removal and Installation](#))([Refer To List 1](#)).
2. Place a suitable drain pan under the torque converter housing end of the transmission.

CAUTION

Verify that transmission is secure on the lifting device or work surface, the center of gravity of the transmission will shift when the torque converter is removed creating an unstable condition. The torque converter is a heavy unit. Use caution when separating the torque converter from the transmission.

9. Fill the transmission ([Refer to Transmission and Transfer Case/Automatic/Standard Procedure](#))([Refer To List 2](#)).

TORQUE SPECIFICATIONS - TRANSMISSION - 850RE

DESCRIPTION	SPECIFICATION	COMMENT
Bell-housing to Engine Bolts	50 N·m (37 Ft. Lbs.)	-
Bell-housing to Engine Stud Bolts	48 N·m (35 Ft. Lbs.)	-
Engine to Bellhousing Bolts	45 N·m (33 Ft. Lbs.)	-
Flexplate to Crankshaft Bolts	110 N·m (81 Ft. Lbs.)	Tighten in a crisscross pattern Do not reuse these fasteners. If removed, a NEW fastener must be installed and tightened to specifications.
Hydraulic Impulse Solenoid (HIS) Bolts	8 N·m (71 In. Lbs.)	-
Manual Park Release Cable Bracket to Transmission Bolts	20 N·m (15 Ft. Lbs.)	-
Manual Park Release Lever Shaft Nut	20 N·m (15 Ft. Lbs.)	-
Manual Park Release Handle to Body Nuts	9 N·m (80 In. Lbs.)	-
Output Speed Sensor Bolt	8 N·m (71 In. Lbs.)	-
Park Lock Solenoid Bolt	8 N·m (71 In. Lbs.)	-