

# 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.

## 2018 Jeep Cherokee Service and Repair Manual

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Verify the shift motor position and the sector shaft orientation are aligned.

20. Install new shift motor mounting bolts.

21. Install the rear output flange on the rear output shaft.

22. Install the rear output flange spline seal.

23. Install the output flange nut.

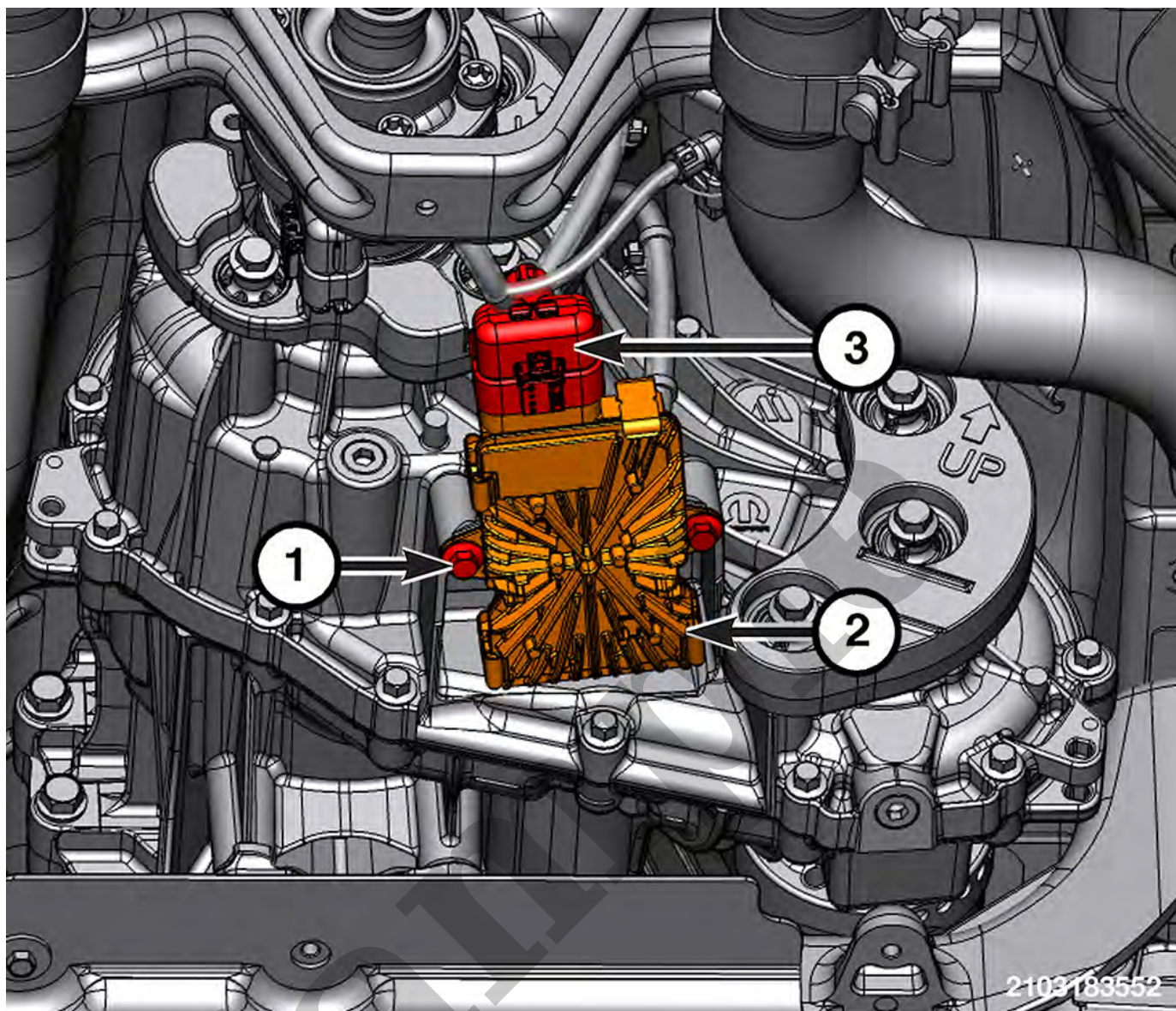
24. Install the transfer case ([Refer to Transmission and Transfer Case/Transfer Case/Removal and Installation](#))([Refer To List 1](#)).

#### TORQUE SPECIFICATIONS - 3015 TRANSFER CASE

DESCRIPTION	SPECIFICATION	COMMENT
Case Bolts	22 N·m (16 Ft. Lbs.)	–
Drain/Fill Plug	27 N·m (20 Ft. Lbs.)	–
Output Flange Nut	165 N·m (122 Ft. Lbs.)	–
Shift Motor Mounting Bolt	25 N·m (18 Ft. Lbs.)	–
Transfer Case to Transmission Bolt	48 N·m (35 Ft. Lbs.)	–

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1 - Shift Motor Mounting Bolts

2 - Transfer Case Shift Motor

3 - Shift Motor Connector

5. Disconnect the shift motor wire harness connector.

6. Remove the shift motor mounting bolts and remove the transfer case shift motor from the transfer case.

## 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.

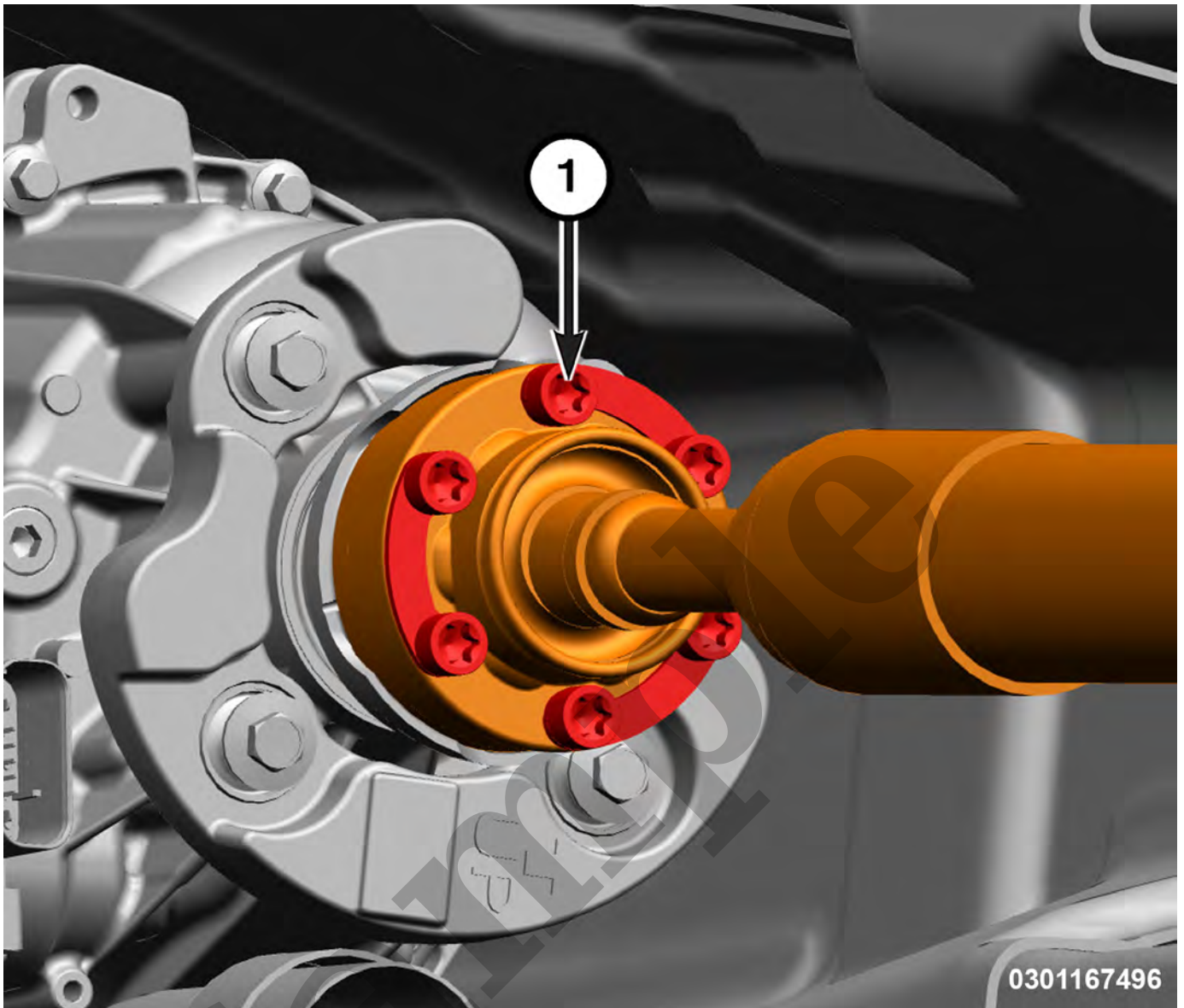
YOUR CURRENT VEHICLE

## MPT3015C

### MPT3015C

#### REMOVAL

1. Raise and support the vehicle ([Refer to Vehicle Quick Reference/Hoisting/Standard Procedure](#)).
2. Remove the transmission belly pan ([Refer to Frame and Bumpers/Under Body Protection/TRANSMISSION BELLY PAN/Removal and Installation](#)).
3. Support the transfer case and transmission.
4. Remove the transfer case skid plate ([Refer to Frame and Bumpers/Under Body Protection/PLATE, Skid, Front/Removal and Installation](#))(Refer To List 1).
5. Remove the transmission crossmember ([Refer to Frame and Bumpers/Frame/CROSSMEMBER, Front Suspension/Removal and Installation](#)).



1 - Driveshaft To Flange Bolts

12. Remove and **DISCARD** the rear driveshaft to transfer case bolts. Separate the rear driveshaft from the flange, support and set aside.



## NOTE

Do **NOT** perform scan tool routines other than PROXI Alignment when installing a transfer case that came already equipped with a new DTCM.

- If a new transfer case is installed, use the scan tool to perform a PROXI Configuration Alignment routine.

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### TORQUE SPECIFICATIONS - DRIVESHAFTS

## 1 - Input Shaft Seal

2. Using a suitable removal tool, remove the input shaft seal and **DISCARD** .

### 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.

- Use tool

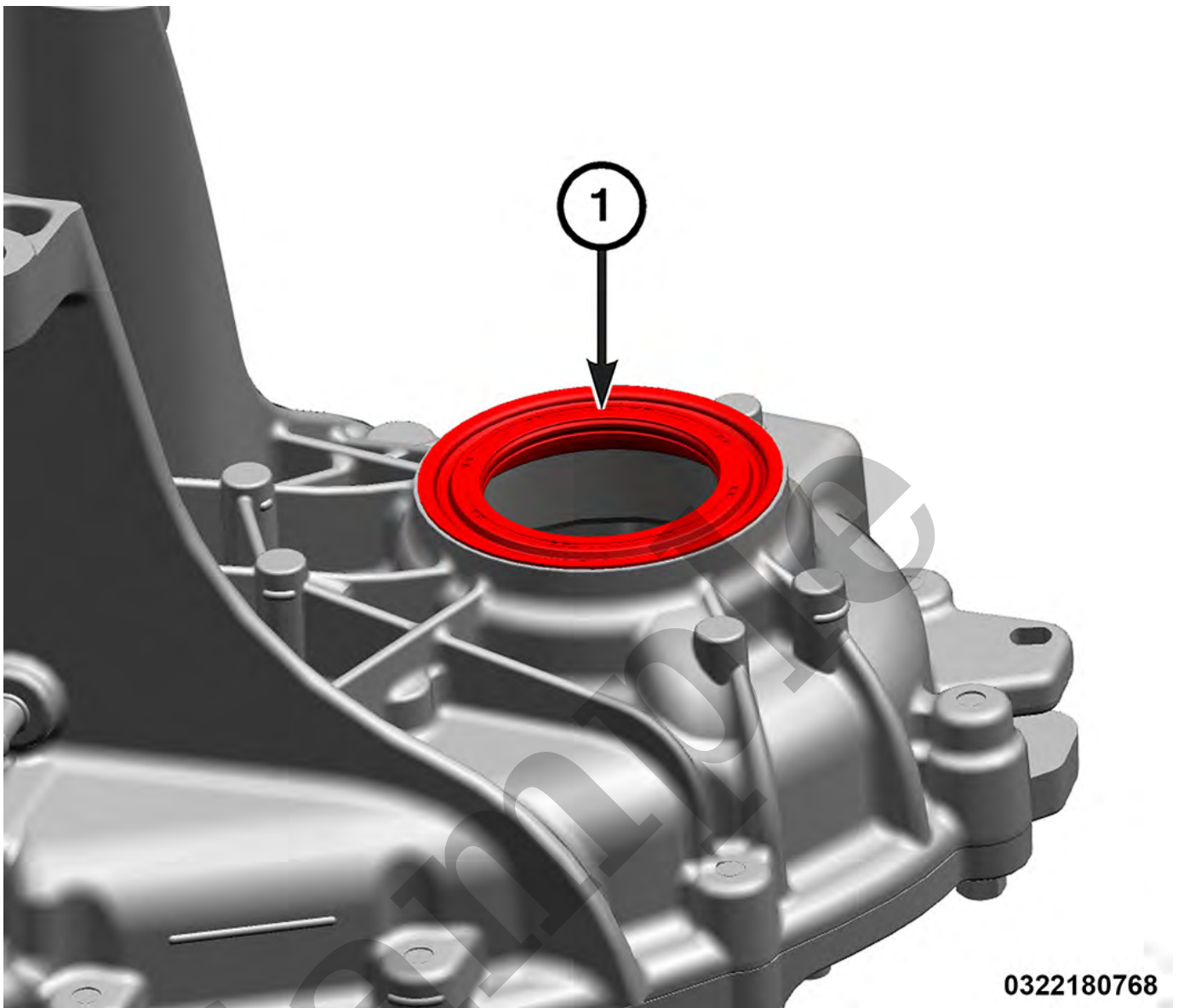
Installer, Input Shaft Seal



to install the **NEW**  
input shaft seal in the transfer case.

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1 - Front Output Shaft Seal

3. Using a suitable removal tool, remove the front output shaft seal and **DISCARD** .

## INSPECTION AND CLEANING

### Inspection

- Inspect the dust shield on the front output flange for damage. The dust shield should also be replaced if it is found to be damaged in any way to prevent damaging the new seal.

## 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.

- Use tool



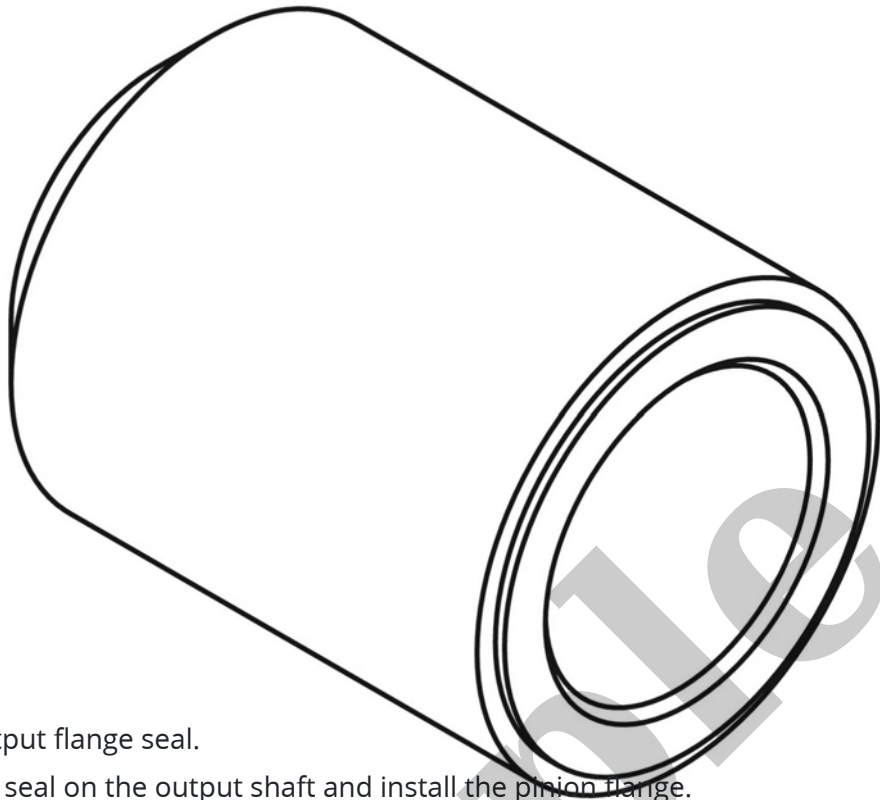
YOUR CURRENT VEHICLE

## Rear Output Shaft Seal

### REAR OUTPUT SHAFT SEAL

#### REMOVAL

1. Raise and support the vehicle ([Refer to Vehicle Quick Reference/Hoisting/Standard Procedure](#)).
2. Remove the rear driveshaft ([Refer to Differential and Driveline/SHAFTS, Axle/Drive/Half/Removal and Installation](#)).



to install the output flange seal.

- Place the O-ring seal on the output shaft and install the pinion flange.
- If necessary, fill the transfer case to the proper fluid level ([Refer to Vehicle Quick Reference/Capacities and Recommended Fluids/Specifications](#)).

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