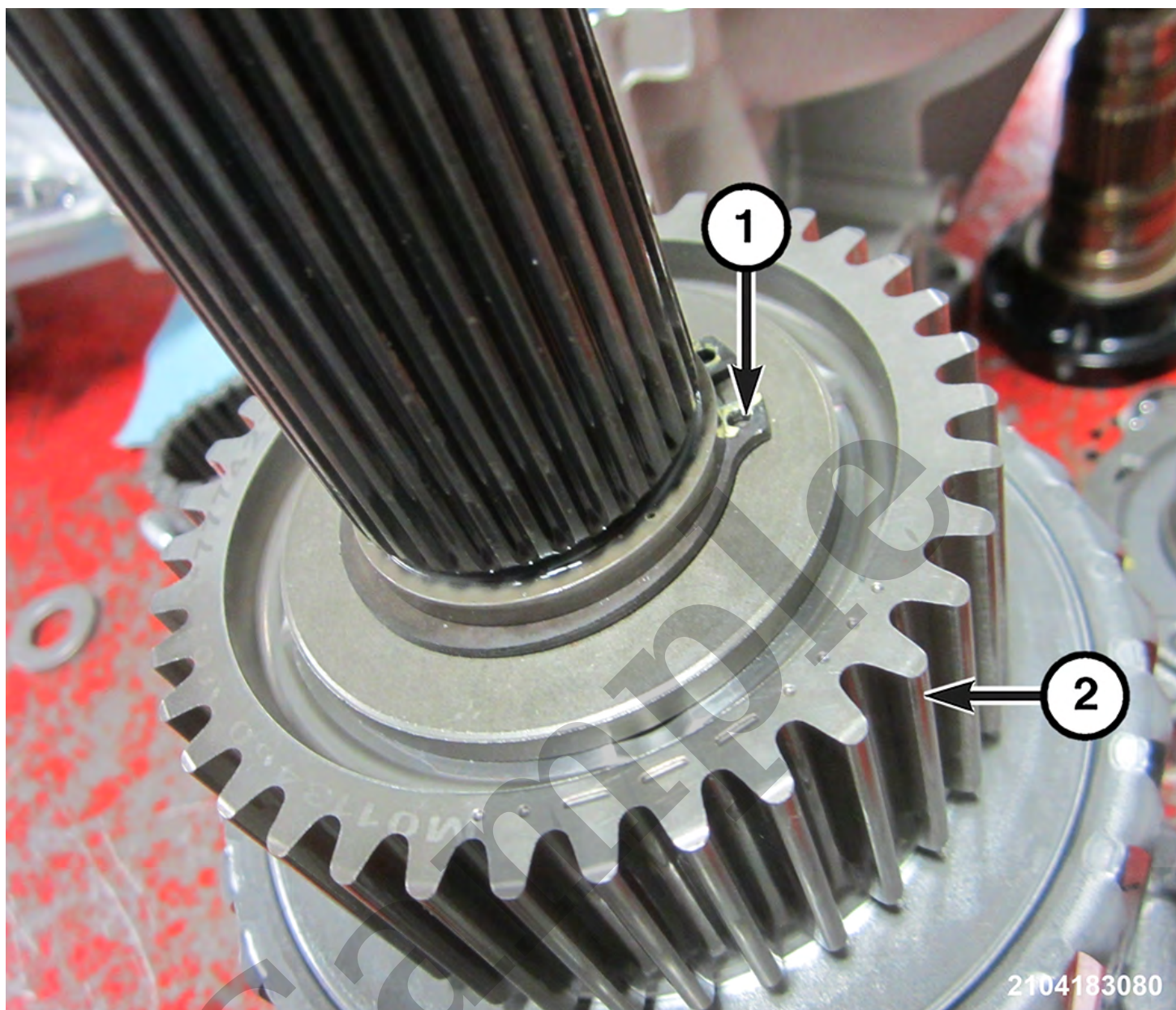


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FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2018 Jeep Compass Service and Repair Manual

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1 - Snap Ring

2 - Clutch Drum/Drive Sprocket

1. Install the clutch drum/drive sprocket on the mainshaft and clutch assembly.

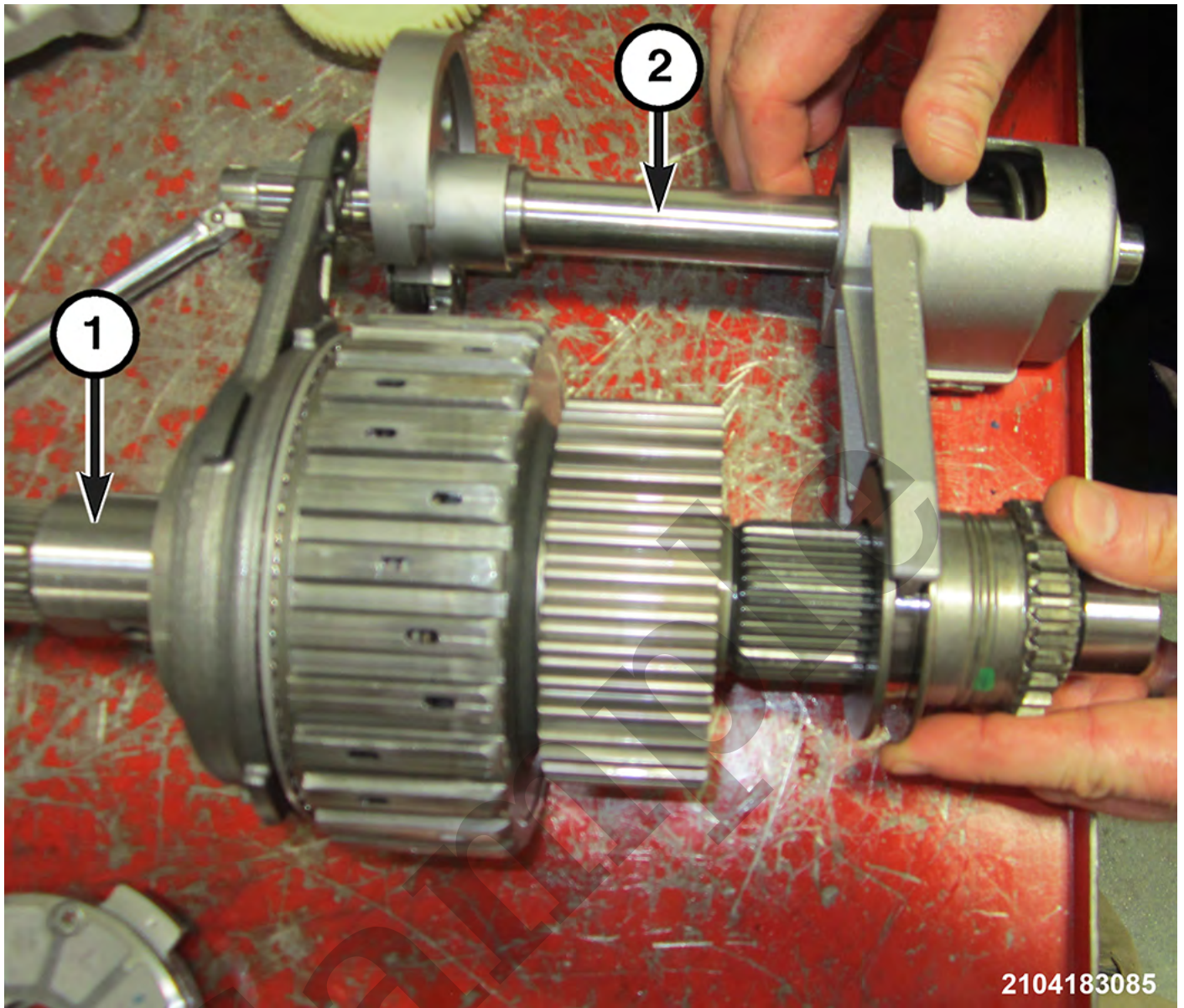


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1 - High/Low Range Gear

5. Install the high/low range gear onto the mainshaft.

ASSEMBLY OF THE SHIFT SHAFT ASSEMBLY

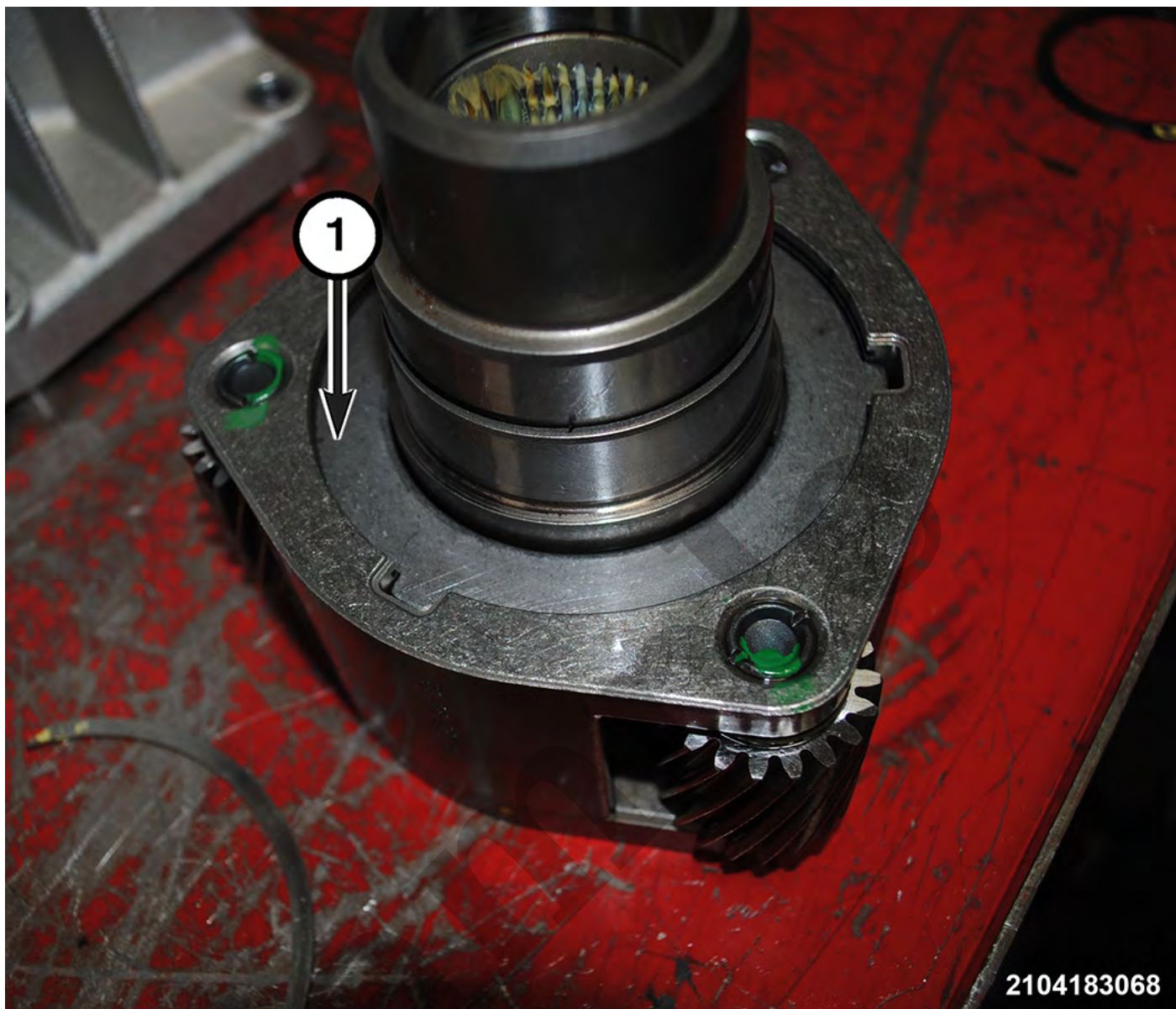


1 - Mainshaft/Clutch Assembly

2 - Shift Shaft Assembly

4. Assemble the shift shaft assembly and the mainshaft assembly on the bench.

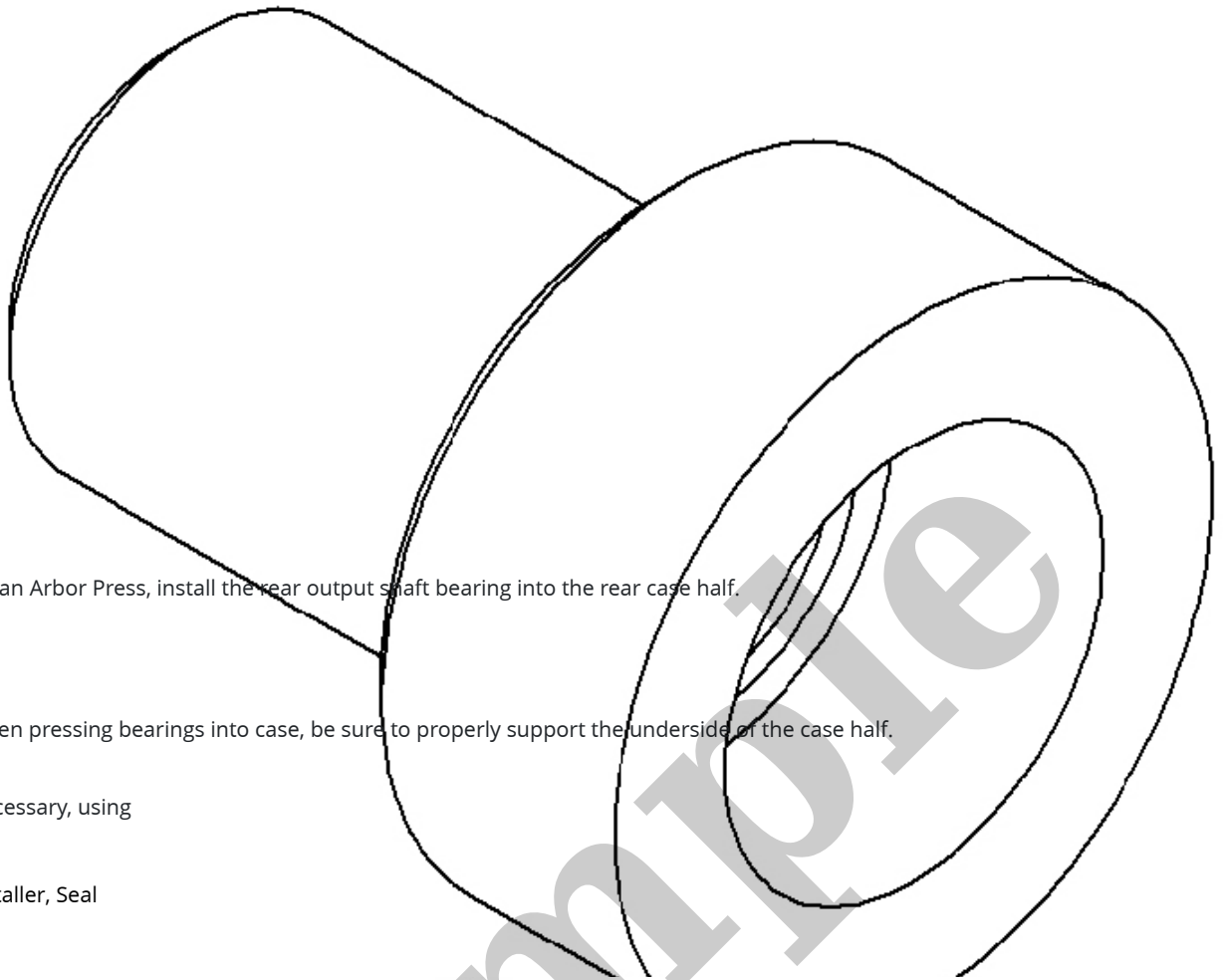
ASSEMBLY OF THE PLANETARY ASSEMBLY



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1 - Lock Plate

4. Install the carrier lock plate.

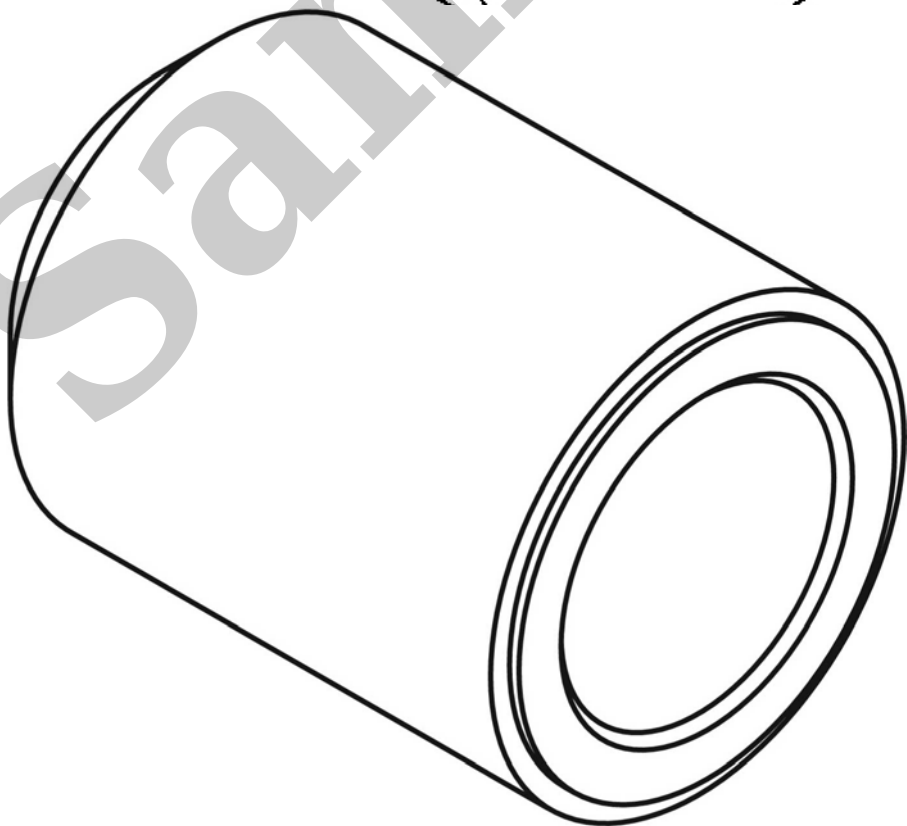


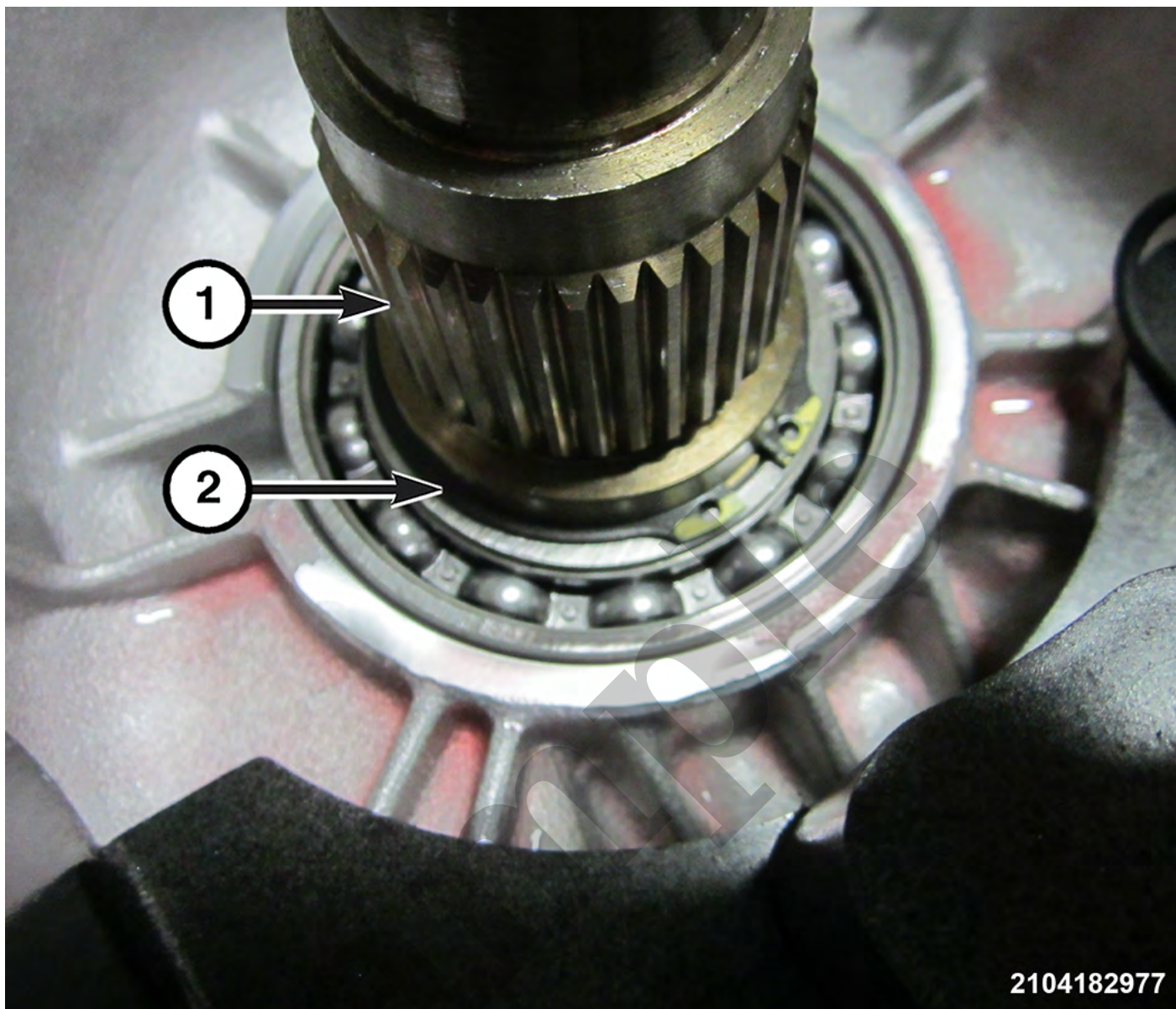
and an Arbor Press, install the rear output shaft bearing into the rear case half.

When pressing bearings into case, be sure to properly support the underside of the case half.

5. If necessary, using

Installer, Seal

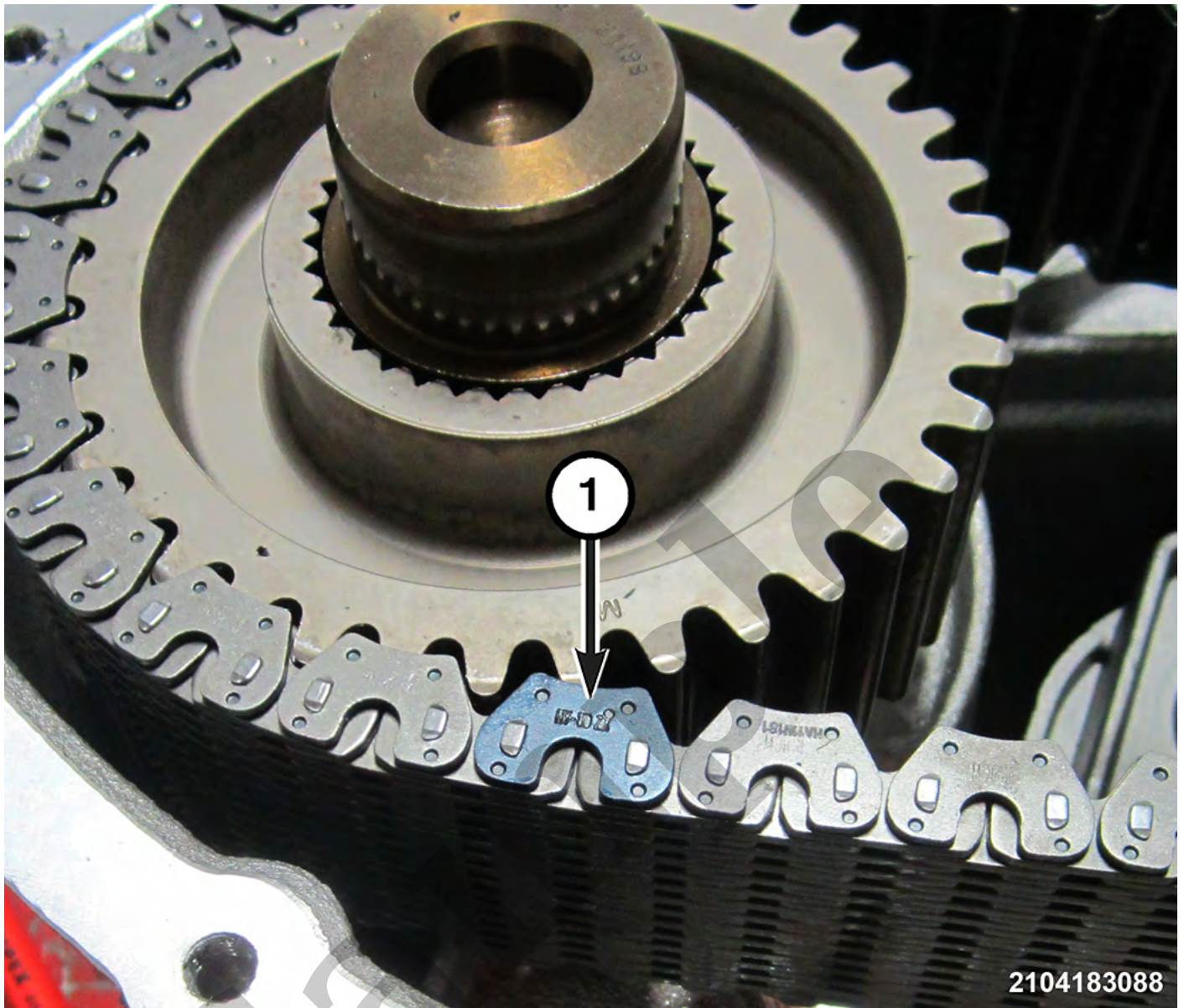




1 - Front Output Shaft

2 - Snap Ring

8. Install the snap ring.



1 - Colored Chain Link

12. Assemble the chain on the mainshaft drive sprocket with the colored link facing up as shown.

The worm gear should be installed with the concave side facing up.

20. Install the shift shaft rear bearing.



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1 - Spacer

2 - Tabs (should be flat with the side facing up on the spacer)

21. Install the spacer on the mainshaft.

NOTE

Take note the orientation of the internal tabs of the spacer for reassembly purposes. The tabs are flat with the side facing up.

22. Apply a 1/4" bead of Mopar® RTV to the rear case half mating surface.

1 - Shift Motor Mounting Bolts
2 - Transfer Case Shift Motor
3 - Transfer Case Position Sensor Bolts
4 - Transfer Case Position Sensor

27. Chase and clean the thread lock from the threads before installing the new shift motor bolts. Installing new bolts with thread lock can cause the case to crack and damage the case half if the old thread lock sealer is not removed.

28. Install the shift motor.

NOTE

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

29. Install new shift motor mounting bolts.

30. Install the transfer case position sensor.

31. Install the transfer case position sensor bolts.

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

33. Install the output flange spline seal.

34. Install the output flange nut.

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

TORQUE SPECIFICATIONS - MPT3028C TRANSFER CASE

DESCRIPTION	SPECIFICATION	COMMENT
Bending Damper Bolts	25 N·m (18 Ft. Lbs.)	–
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 Bolts	25 N·m (18 Ft. Lbs.)	–
Shift Motor M8 Cover Bolt	11 N·m (97 In. Lbs.)	–
Shift Motor M10 Cover Bolts	25 N·m (18 Ft. Lbs.)	–
Torsional Damper Bolts	25 N·m (18 Ft. Lbs.)	–
Transfer Case Position Sensor Bolts	6 N·m (53 In. Lbs.)	–
Transfer Case to Transmission Bolts	48 N·m (35 Ft. Lbs.)	–

TORQUE SPECIFICATIONS - DRIVESHAFTS