

tm10543 - 190DW Wheeled Excavator Drive Shaft Remove and Install

Drive Shaft Remove and Install

1. Block front and rear wheels to prevent machine from rolling.
2. Scribe alignment marks on drive shaft flanges for assembly.
3. _____

**CAUTION:**

Prevent possible crushing injury from heavy component. Use appropriate lifting device.

Support drive shaft.

| Item | Measurement | Specification |
|-------------|----------------------|----------------|
| Drive Shaft | Weight (approximate) | 32 kg 70 lb |

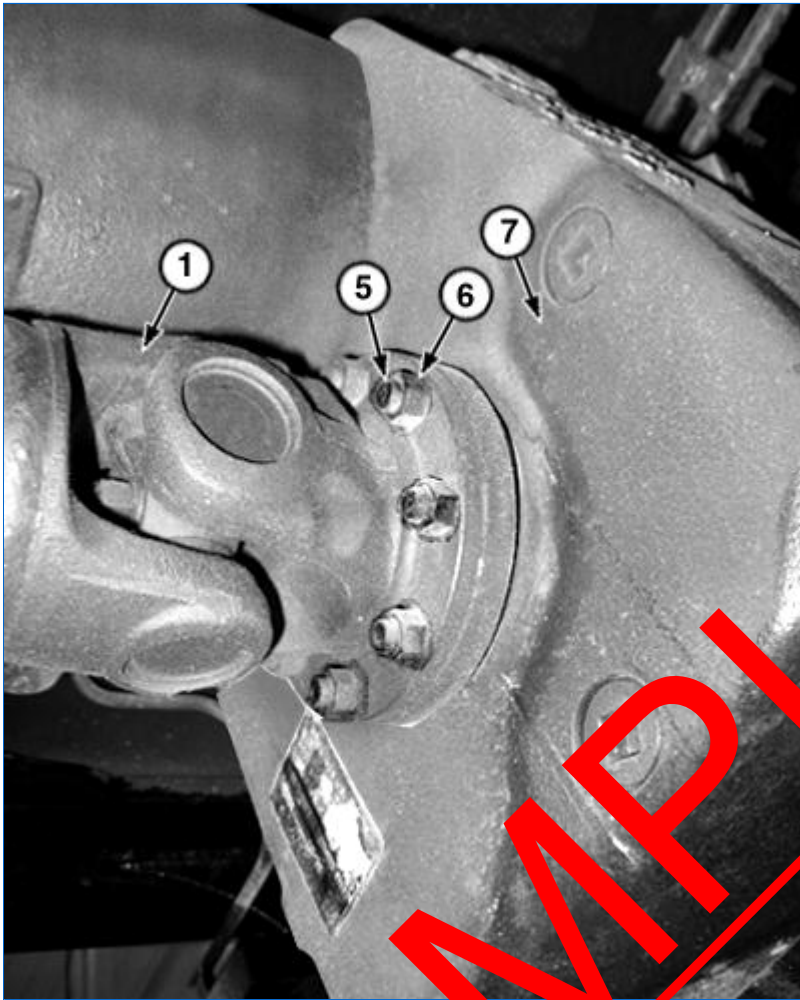


4. TX1032672A-UN: Front Axle Disconnection

LEGEND:

- 1 - Drive Shaft
- 2 - Nut (8 used)
- 3 - Cap Screw (8 used)
- 4 - Front Axle

Disconnect drive shaft (1) from front axle (4).

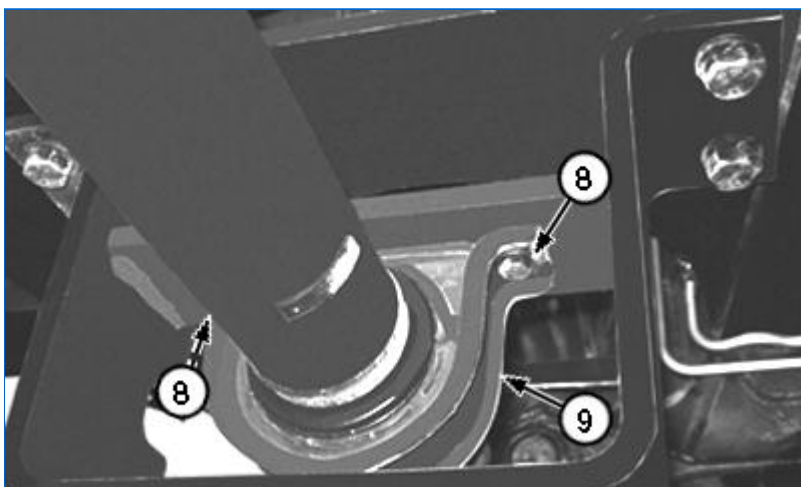


5. TX1032671A-UN: Transmission Disconnection

LEGEND:

- 1 - Drive Shaft
- 5 - Stud (8 mm)
- 6 - Nut (8 mm)
- 7 - Transmission

Disconnect drive shaft (1) from transmission (7).



6. TX1032670A-UN: Carrier Bearing

LEGEND:

- 8 - Cap Screw (2 used)
9 - Carrier Bearing

Remove cap screws (8).

7. Remove drive shaft.
8. Repair or replace parts as necessary. [See Drive Shaft Disassembly and Assembly](#) . (Group 0350.)
9. _____



CAUTION:

Prevent possible crush injury from heavy component. Use appropriate lifting device.

Position drive shaft in undercarriage. Align drive shaft with marks made during removal.

| Item | Measurement | Specification |
|-------------|----------------------|----------------|
| Drive Shaft | Weight (approximate) | 32 kg 70 lb |

10. Install nuts (6) on transmission output flange and tighten to specification.

| Item | Measurement | Specification |
|---------------------------------|-------------|--------------------|
| Transmission Output Flange Nuts | Torque | 76 N·m 56 lb·ft |

11. Apply PM37421 Heavy-Duty Thread Lock and Sealer to cap screws (3 and 8).
12. Install cap screws (8) securing carrier bearing to undercarriage and tighten to specification.

| Item | Measurement | Specification |
|--|-------------|--------------------|
| Carrier Bearing-to-Undercarriage Cap Screws | Torque | 50 N·m 37 lb-ft |

13. Install cap screws (3) securing drive shaft to front axle and tighten to specification.

| Item | Measurement | Specification |
|-----------------------------------|-------------|--------------------|
| Front Axle Drive Shaft Cap Screws | Torque | 76 N·m 56 lb-ft |

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SAMPLE