



# Service Repair Manual

## **Models**

# M318C WHEELED Excavator

---

Product: WHEELED EXCAVATOR

Model: M318C WHEELED EXCAVATOR BCZ

Configuration: M318C Excavator BCZ02001-UP (MACHINE) POWERED BY 3056E Engine

## Disassembly and Assembly M318C Wheeled Excavator Power Train

Media Number -REN6675-05

Publication Date -01/08/2018

Date Updated -29/08/2018

i04706197

## Final Drive Carriers, Hubs and Brakes - Disassemble - Front Axle

SMCS - 4054-015; 4092-015; 4253-015; 4255-015

## Disassembly Procedure

Table 1

| Required Tools |             |                       |     |
|----------------|-------------|-----------------------|-----|
| Tool           | Part Number | Part Description      | Qty |
| A              | 147-1744    | Bearing Puller        | 1   |
| B              | 1P-0510     | Driver Gp             | 1   |
| C              | 1P-1859     | Retaining Ring Pliers | 1   |
| D              | 5F-4764     | Pry Bar               | 2   |
| E              | 6V-6080     | Torque Multiplier Gp  | 1   |
|                | 4C-4061     | Center Ring           | 1   |
|                | 4C-4058     | Spanner               | 1   |
| F              | 1U-6415     | Three Jaw Puller      | 1   |
| G              | 1U-6405     | Three Jaw Puller      | 1   |
| H              | 1P-1853     | Retaining Ring Pliers | 1   |
| J              | 1U-8758     | Retaining Ring Pliers | 1   |
| ZZ             | 6V-9508     | Face Seal Plug        | 1   |
|                | 6V-9829     | Cap As                | 1   |

**Start By:**

- A. Remove the tire and rim (front). Refer to Disassembly and Assembly, "Tire and Rim - Remove (Front)".
- B. Release the hydraulic system pressure. Refer to Disassembly and Assembly, "Hydraulic System Pressure - Release".

**Note: SERVICE DATA: TOOLING (ZZ) WILL NOT BE IDENTIFIED IN PHOTOGRAPHS IN THE REMOVAL OR THE INSTALLATION. THIS TOOLING IS SHOWN IN ORDER TO ASSIST THE EXPERIENCED SERVICEMAN.**

---

**NOTICE**

**Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting, and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.**

**Refer to Special Publication, NENG2500, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat products.**

**Dispose of all fluids according to local regulations and mandates.**

---



**At operating temperature, the hydraulic oil is hot and under pressure. Hot oils can cause burns.**

**To prevent possible personal injury, release the pressure in the work tool hydraulic circuit (boom, stick, bucket, and swing), travel circuits, and the hydraulic oil tank at the filler cap before any hydraulic lines or components are disconnected or removed.**

**Remove the filler cap only when the engine is stopped and the filler cap is cool enough to touch.**

---

1. Drain the front final drives. Final drives with oil cooled disc brakes have approximately 2.0 L (.5 US gal).
-

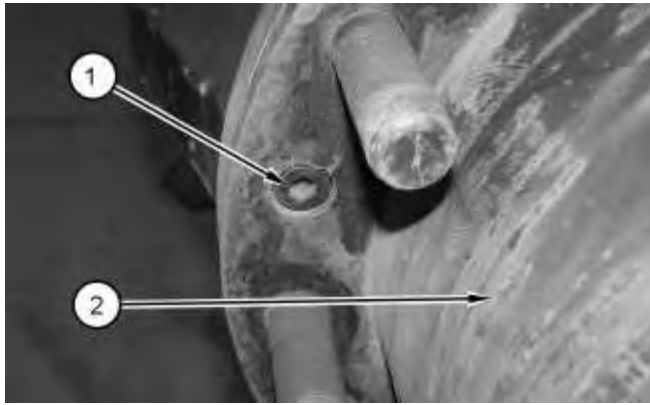


Illustration 1

g01137933

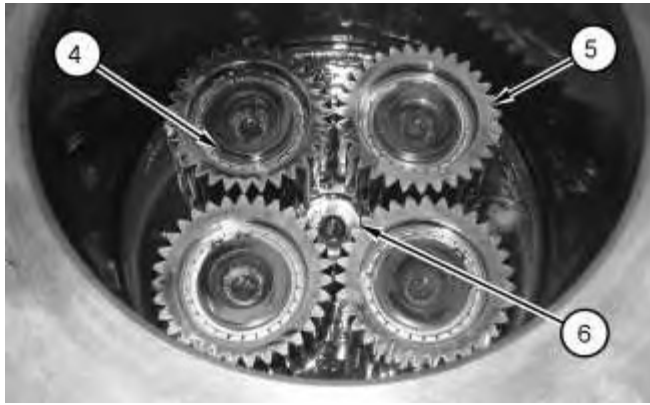
2. Attach a suitable lifting device to carrier housing (2) .
3. Remove retaining bolts (1) .
4. Remove carrier housing (2) . The weight of carrier housing (2) is approximately 25 kg (55 lb).



Illustration 2

g01138122

5. Disconnect hose assembly (3) and plug.
-

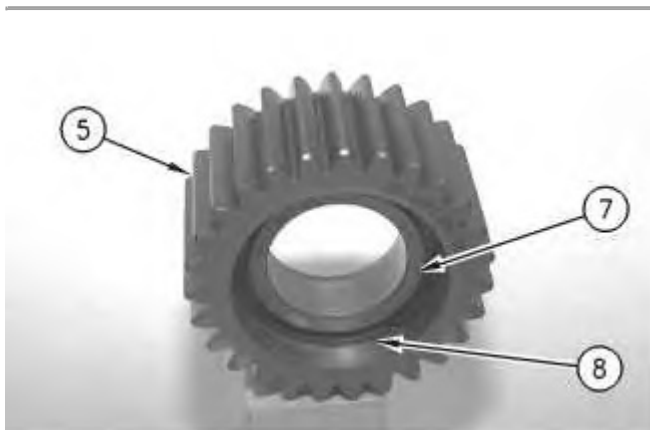


---

Illustration 3

g01137909

6. Use Tooling (C) in order to remove retaining ring (4) .
7. Use Tooling (D) in order to remove planetary gears (5) from the housing.
8. Remove thrust washer (6) .



---

Illustration 4

g00894127

9. Remove retaining rings (8) and the washers from planetary gear (5) .
  10. Remove roller bearing (7) from planetary gear (5) .
-

Thank you so much for reading.  
Please click the “Buy Now!”  
button below to download the  
complete manual.



After you pay.

You can download the most  
perfect and complete manual in  
the world immediately.

Our support email:

[ebooklibonline@outlook.com](mailto:ebooklibonline@outlook.com)