



Service Repair Manual

Models

M322C WHEELED Excavator

Product: WHEELED EXCAVATOR

Model: M322C WHEELED EXCAVATOR BDY

Configuration: M322C Excavator BDY02001-UP (MACHINE) POWERED BY 3056E Engine

Disassembly and Assembly M318C MH and M322C MH Excavators Power Train

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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.

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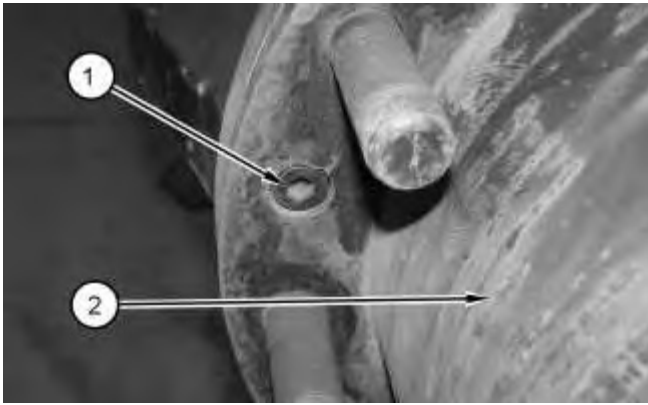


Illustration 1

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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

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5. Disconnect hose assembly (3) and plug.
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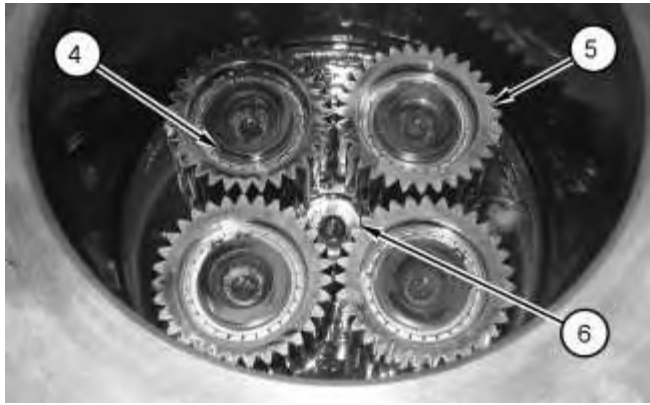


Illustration 3

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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) .

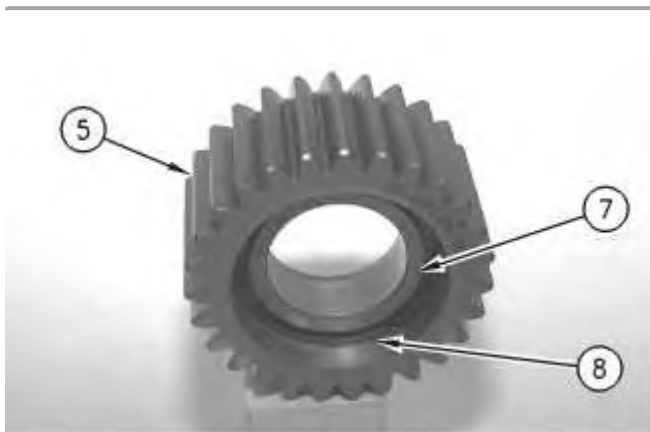


Illustration 4

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

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