



Service Repair Manual

Models

M313D WHEELED Excavator

Product: WHEELED EXCAVATOR

Model: M313D WHEELED EXCAVATOR K3D

Configuration: M313D Excavator K3D00001-UP (MACHINE) POWERED BY C4.4 Engine

Disassembly and Assembly M313D Wheeled Excavator Power Train

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i02512536

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	1P-1863	Retaining Ring Pliers	1
B	5F-7465	Puller Assembly	1
	1S-5188	Puller leg	2
	5P-4750	Adjustment Screw	1
	1P-0510	Screw	1
C	267-6564	Spanner	1
D	1U-5832	Pry Bar	1
E	1U-6410	Three Jaw Puller	1
F	1P-0510	Driver Gp	1
G	5P-4197	Spacer	1
H	1A-1935	Full Nut	1
	3H-0465	Push-Puller Plate	4
	5F-7342	Adapter	2
	5F-7343	Bearing Puller Gp	1

5F-7366	Forcing Screw	1
5P-8248	Hard Washer	2
6B-6684	Full Nut	2
6V-8237	Washer	1
8B-7549	Puller Leg	2
9S-7338	Crossblock	1

Start By:

- A. Remove the front tires and rims. Refer to Disassembly and Assembly, "Tire and Rim - Remove".
- B. Release the hydraulic system pressure. Refer to Disassembly and Assembly, "Hydraulic System Pressure - Release".

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, "Caterpillar Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Caterpillar products.

Dispose of all fluids according to local regulations and mandates.

1. Drain the oil from the front final drives into a suitable container.

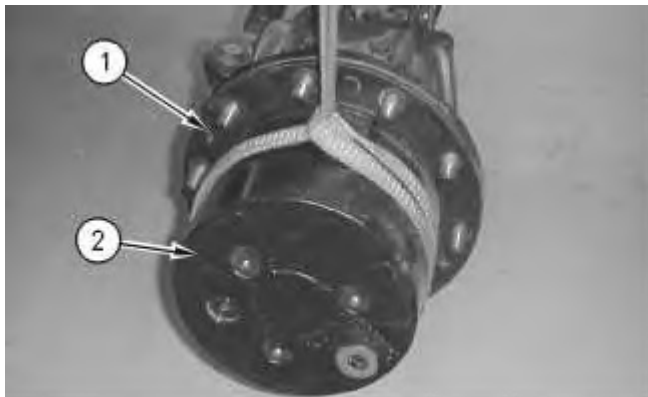


Illustration 1

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2. Attach a suitable lifting device to carrier housing (2) .
3. Remove bolts (1) .
4. Remove carrier housing (2). The weight of carrier housing (2) is approximately 31 kg (68 lb).

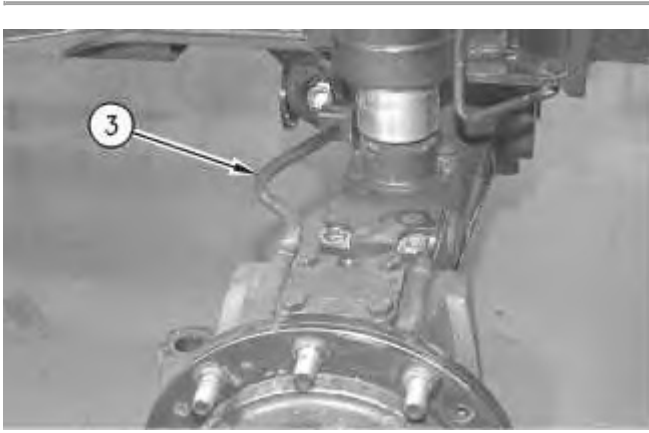


Illustration 2

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5. Disconnect hose assembly (3) .

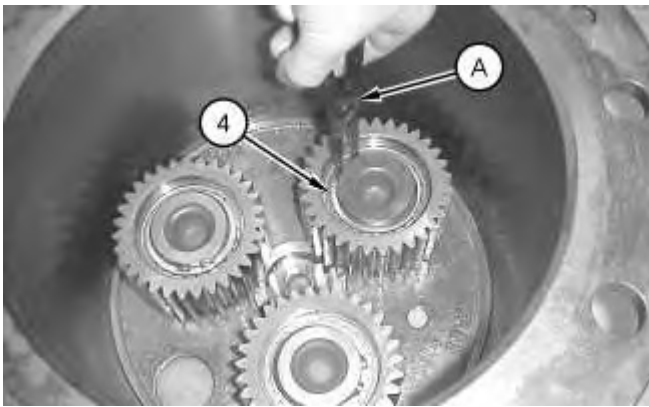


Illustration 3

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6. Use Tooling (A) in order to remove retaining rings (4) .
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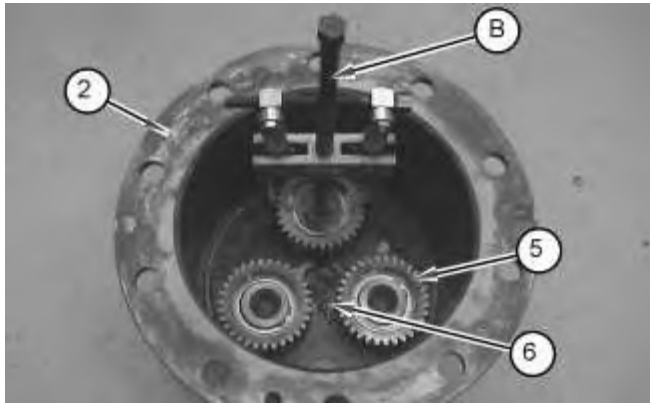


Illustration 4

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7. Use Tooling (B) in order to remove planetary gears (5) from carrier housing (2) .
8. Remove thrust washer (6) .

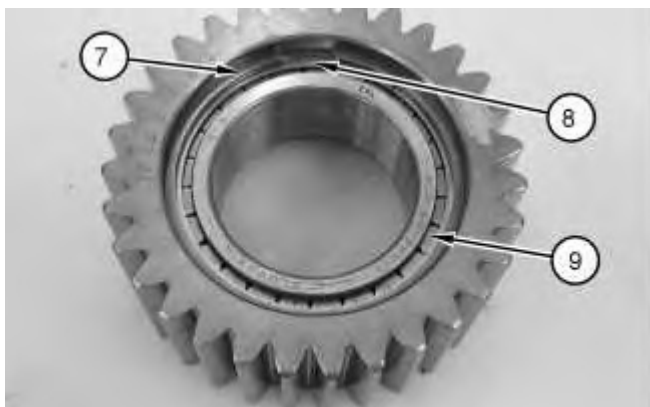


Illustration 5

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9. Remove retaining ring (7), washer (8), and roller bearing (9) .

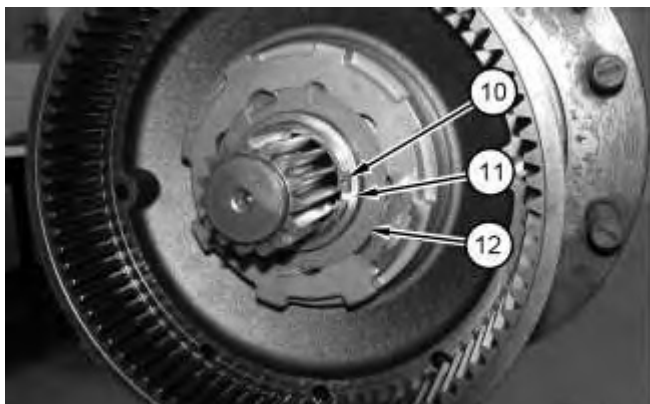


Illustration 6

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