



Service Repair Manual

Models

M315D2 Wheeled Excavator

Product: WHEELED EXCAVATOR

Model: M315D2 WHEELED EXCAVATOR CA4

Configuration: M315D2 Wheeled Excavator CA400001-UP (MACHINE) POWERED BY C4.4 Engine

Disassembly and Assembly

M315D, M315D Series 2, M315D2, M317D Series 2 and M317D2 Wheeled Excavators Machine Systems

Media Number -KENR6028-05

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i05441407

Piston Pump (Swing) - Disassemble

SMCS - 5070-015-ZW

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-1862	Pliers	1
B	1P-1861	Retaining Ring Pliers	1
C	147-3497	Spring Compressor	1
D	1U-7600	Slide Hammer Puller Gp	1
E	5P-4758	Retaining Ring Pliers	1
F	1P-1863	Retaining Ring Pliers	1

Start By:

- a. Remove the piston pump. Refer to Disassembly and Assembly, "Piston Pump (Swing) - Remove".



WARNING

Personal injury can result from hydraulic oil pressure and hot oil.

Hydraulic oil pressure can remain in the hydraulic system after the engine has been stopped. Serious injury can be caused if this pressure is not released before any service is done on the hydraulic system.

Make sure all of the work tools have been lowered to the ground, and the oil is cool before removing any components or lines. Remove the oil filler cap only when the engine is stopped, and the filler cap is cool enough to touch with your bare hand.

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.

Note: Cleanliness is an important factor. Before the disassembly procedure, the exterior of the component should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism.

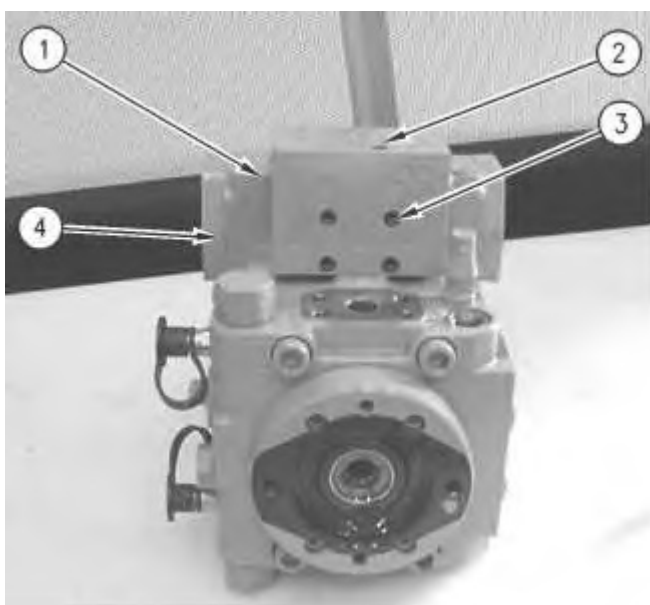


Illustration 1

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1. Remove bolts (2) and (3) from servo valve (1).
2. Remove servo valve (1) from housing (4).

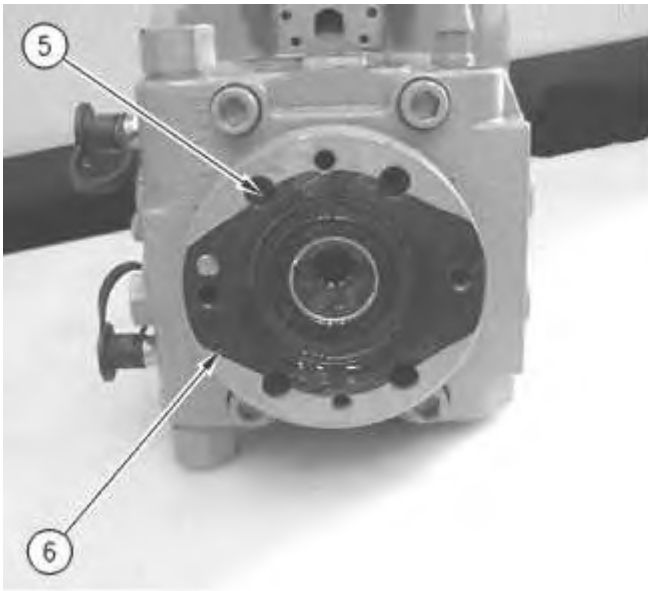


Illustration 2

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3. Remove bolts (5) from charge pump (6).
- Note:** Mark all parts for installation purposes.
4. Remove charge pump (6) from housing (4).

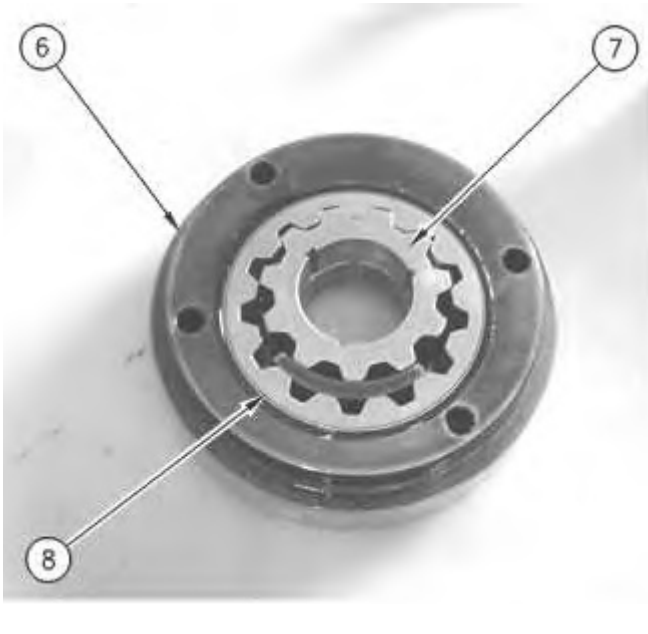


Illustration 3

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- Note:** Mark all parts for installation purposes.
5. Remove gears (7) and (8) from charge pump (6).

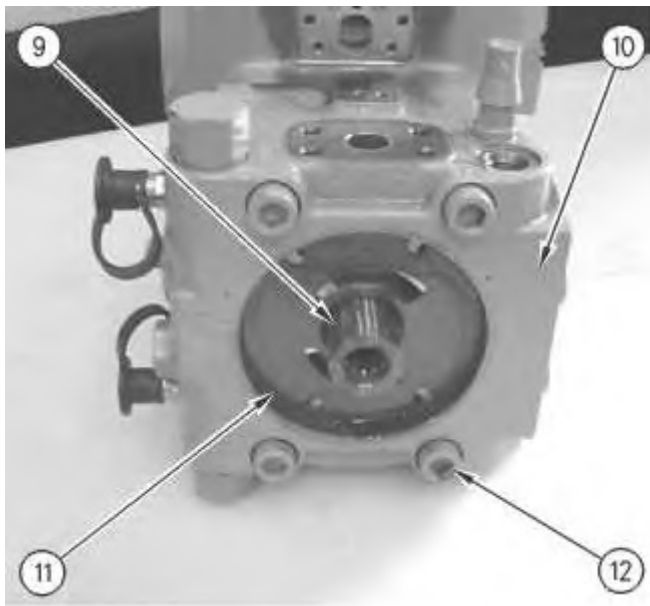


Illustration 4

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6. Remove coupler (9) from head (10).

Note: Mark all parts for installation purposes.

7. Remove plate (11) from head (10).

8. Remove bolts (12) from head (10).

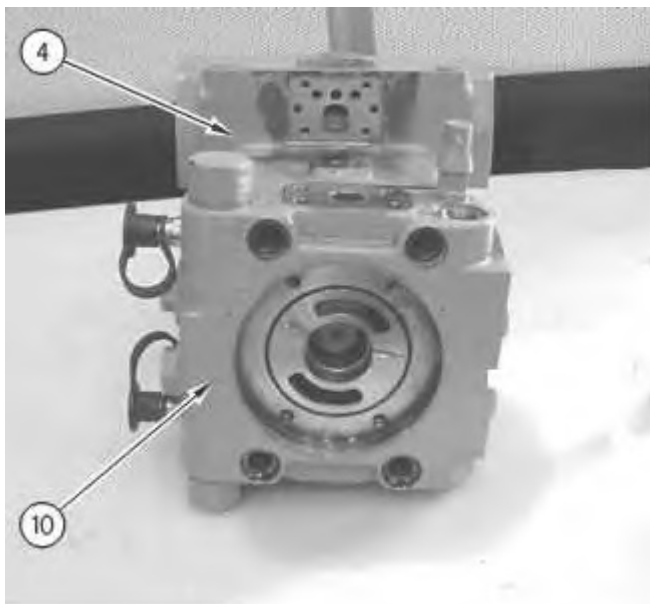


Illustration 5

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9. Remove head (10) from housing (4).

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