



Service Repair Manual

Models

M313D WHEELED Excavator

Product: WHEELED EXCAVATOR

Model: M313D WHEELED EXCAVATOR W3H

Configuration: M313D Excavator W3H00001-UP (MACHINE) POWERED BY C4.4 Engine

Disassembly and Assembly M313D Wheeled Excavator Machine Systems

Media Number -KENR6025-04

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i02817263

Main Hydraulic Pump - Disassemble

SMCS - 5070-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-1861	Retaining Ring Pliers	1
B	1U-7600	Slide Hammer Puller Gp	1

Start By:

- Remove the main hydraulic pump. Refer to Disassembly and Assembly, "Main Hydraulic Pump and Pump Drive Coupling - Remove".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

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: Note the location and orientation of the components for assembly purposes.

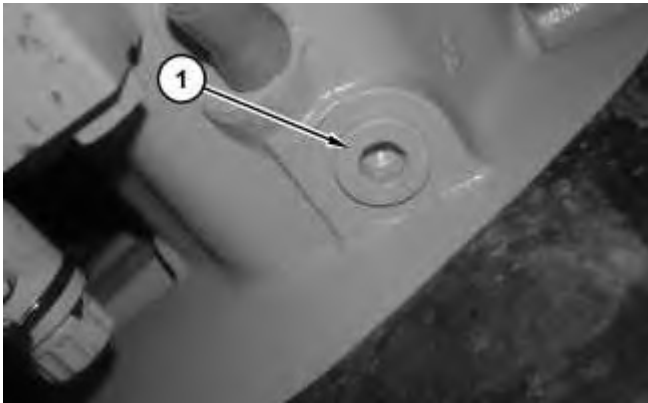


Illustration 1

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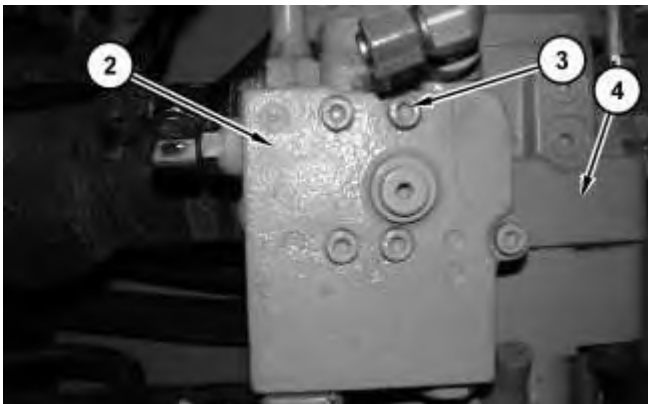


Illustration 2

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 **WARNING**

Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

1. Remove bolts (3) and valve assembly (2).
2. Remove plug (1) and the O-ring seal from piston pump (4).

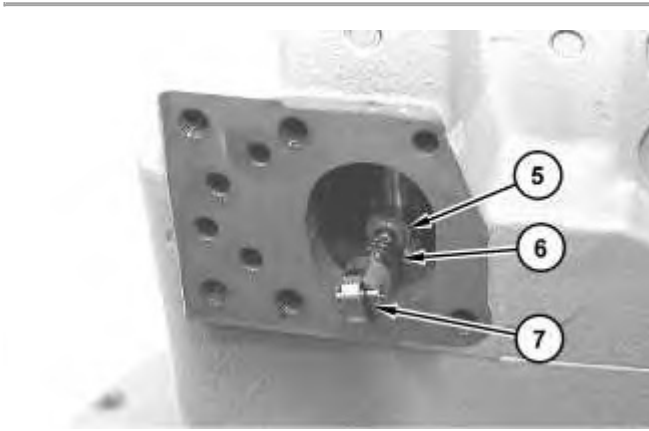


Illustration 3

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3. Remove roller (7), spring (6), and piston (5).

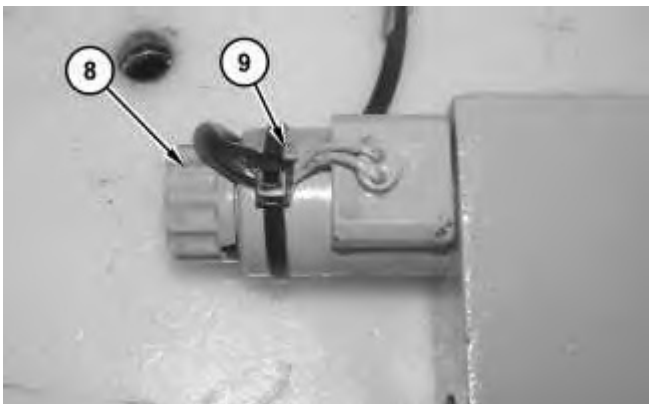


Illustration 4

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4. Remove nut (8) and coil (9).
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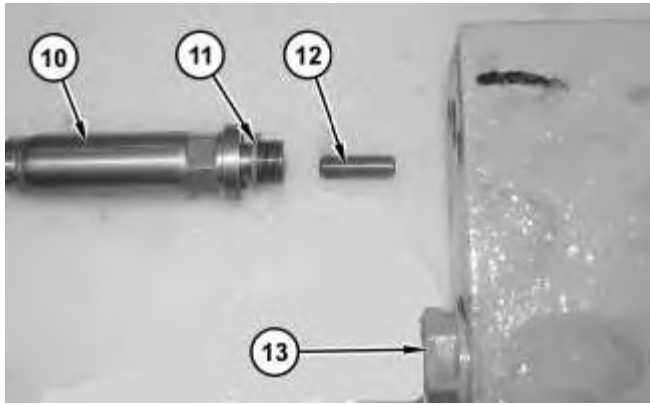


Illustration 5

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5. Remove cartridge (10), O-ring seal (11), pin (12), plug (13), and the O-ring seal.

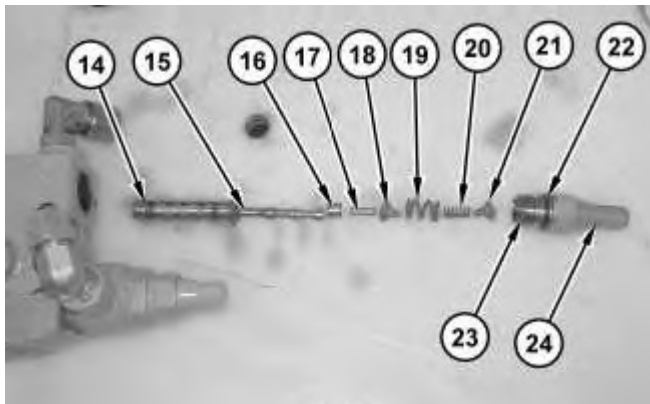


Illustration 6

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WARNING

Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

6. Remove cap (24), plug (23), O-ring seal (22), spring retainer (21), spring (20), spring (19), spring retainer (18), pin (17), spacer (16), spool (15), and housing (14).

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