



# Service Repair Manual

## **Models**

304.5 Mini Hydraulic  
Excavator

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Product: MINI HYD EXCAVATOR

Model: 304.5 MINI HYD EXCAVATOR WAK

Configuration: 304.5 Mini Hydraulic Excavator WAK00001-UP (MACHINE) POWERED BY 3024 Engine

## Disassembly and Assembly 304.5 Mini Hydraulic Excavator Machine Systems

Media Number -REN3548-04

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i02462405

## Swivel - Disassemble

SMCS - 5060-015

## Disassembly Procedure

Table 1

REQUIRED TOOLS			
Tool	Part Number	Part Description	Qty
A	1P-1855	Retaining Ring Pliers	1

### Start By:

- Remove the swivel. Refer to Disassembly and Assembly, "Swivel - Remove".

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### 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.

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**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.

**Note:** Put identification marks on all lines, on all hoses, on all wires, and on all tubes for installation purposes. Plug all lines, hoses, and tubes. This helps to prevent fluid loss and this helps to keep contaminants from entering the system.

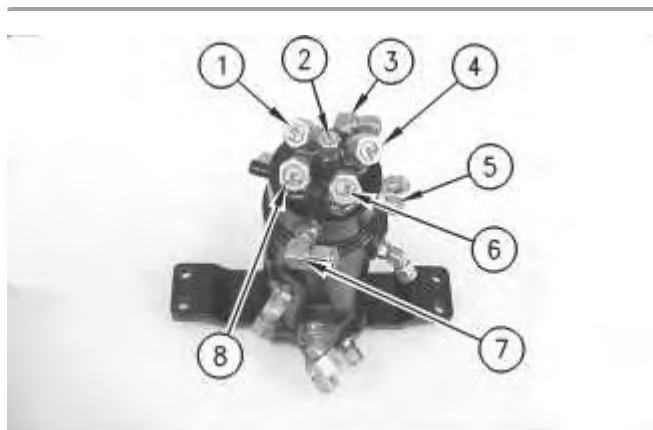


Illustration 1

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1. Mark the orientation of the fittings for assembly purposes. Remove fittings (1), (2), (3), (4), (5), (6), (7), and (8).

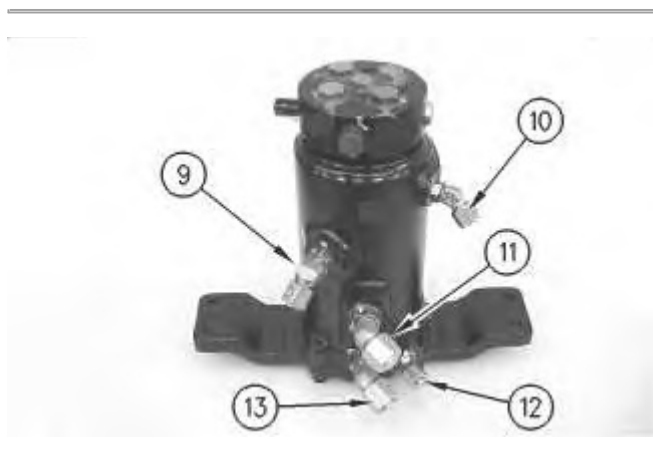


Illustration 2

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2. Remove fittings (9), (10), (11), (12), and (13).
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Illustration 3

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3. Remove fittings (14), (15), (16), (17), and (18).

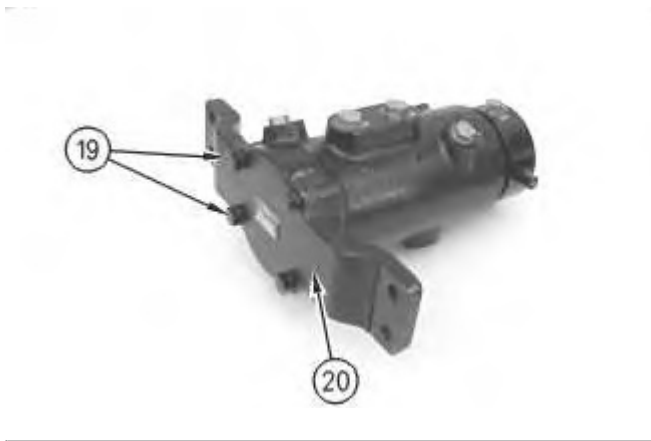


Illustration 4

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4. Remove bolts (19).
5. Remove flange (20) from the housing.



Illustration 5

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6. Remove O-ring seal (21) from the housing.
7. Use Tooling (A ) in order to remove retaining ring (22).



Illustration 6

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8. Remove spacer (23) from the housing.



Illustration 7

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9. Place the swivel on a suitable vise.
10. Remove housing (24) from the shaft.



Illustration 8

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11. Rotate the housing and remove dust seal (25) from the housing.

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