



# Service Repair Manual

## **Models**

# 992K Wheel Loader

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Product: WHEEL LOADER

Model: 992K WHEEL LOADER RM5

Configuration: 992K Wheel Loader RM500001-UP (MACHINE) POWERED BY C32 Engine

## Disassembly and Assembly 854K Wheel Dozer and 992K Wheel Loader Machine Systems

Media Number -KENR5573-03

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i02875102

# Piston Pump (Hydraulic Fan) - Disassemble

SMCS - 1387-015-QP; 5070-015-HFN

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-1856	Pliers	1
B	9S-9151	Bearing Puller	1
C		Bar stock <sup>(1)</sup>	1
D	1P-1861	Retaining Ring Pliers	1

<sup>(1)</sup> Make a piece that is 9.50 mm (0.375 inch) thick 19.00 mm (0.750 inch) wide and 50.8 mm (2.00 inch) long.

### Start By:

- a. Remove the steering pump. Refer to Disassembly and Assembly, "Piston Pump (Hydraulic Fan) - Remove".

**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.

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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<sup>®</sup> products.**

**Dispose of all fluids according to local regulations and mandates.**

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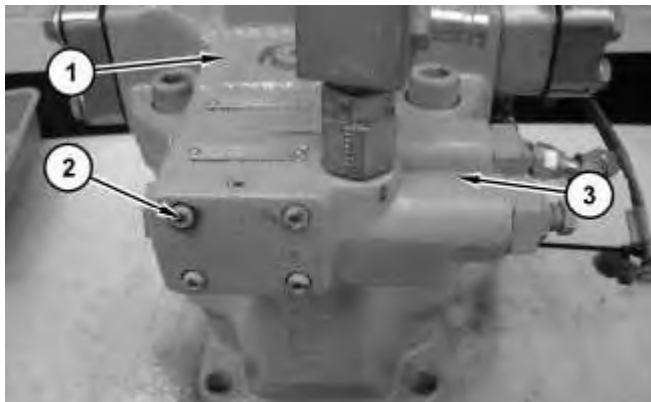


Illustration 1

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1. Place steering pump assembly (1) on a suitable bench, as shown.
2. Remove bolts (2) and actuator assemblies (3) from steering pump (1).

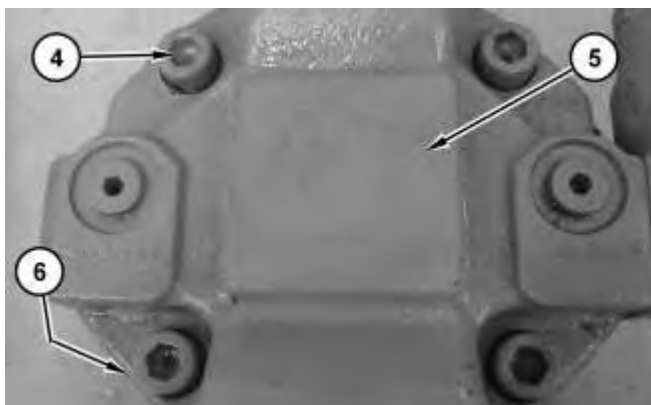


Illustration 2

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 **WARNING**

**Sudden release of spring force can cause injury.**

**To prevent the possibility of injury, follow the procedure to relieve the spring pressure.**

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**Note:** There is slight spring pressure between the head assembly and the pump housing.

3. Remove bolts (4) that secure head assembly (5) to steering pump housing (6).



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Illustration 3

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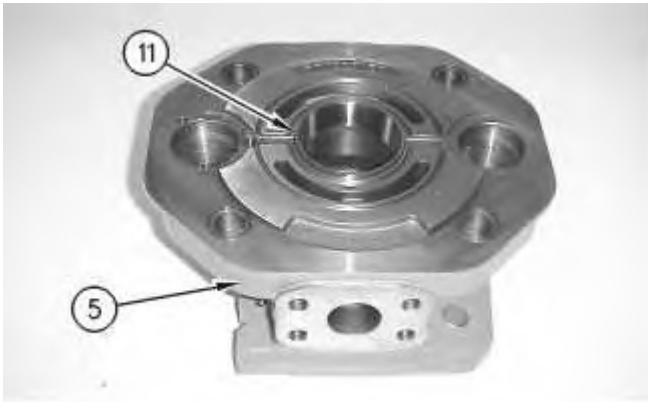
Illustration 4

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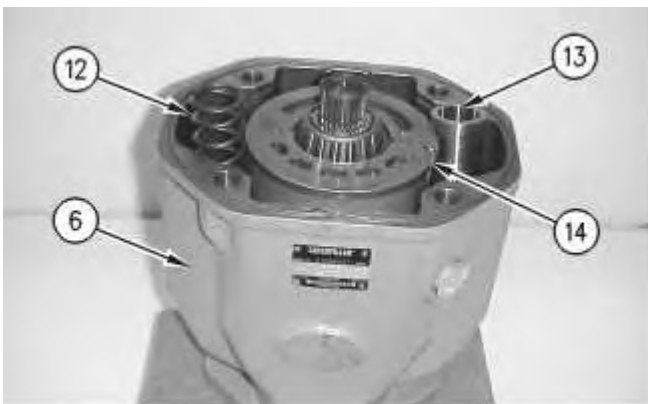
4. Remove O-ring seal (7) and O-ring seals (8) from head assembly (5).



5. Remove piston guides (9) and (10) from head assembly (5), if necessary.



6. Remove bearing cup (11) from head assembly (5).



7. Remove spring (12), piston (13), and port plate (14) from pump housing (6).



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