



# Service Repair Manual

## **Models**

# 950H WHEEL LOADER

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Product: WHEEL LOADER

Model: 950H WHEEL LOADER J5J

Configuration: 950H WHEEL LOADER J5J01501-UP (MACHINE) POWERED BY C7 ENGINE

## Disassembly and Assembly

### IT62H Integrated Toolcarrier and 950H and 962H Wheel Loaders Machine Systems

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i02372748

## Piston Pump (Brake, Hydraulic Fan) - Disassemble

SMCS - 1387-015-QP; 4268-015-QP; 5070-015-BRK; 5070-015-HFN

### Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-0510	Driver Gp	1
B	1P-1858	Pliers	1
C	9S-9152	Bearing Puller	1

#### Start By:

- a. Remove the fan drive pump. Refer to Disassembly and Assembly, "Piston Pump (Hydraulic Fan) - 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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1. Be sure that the outside of the piston pump is thoroughly clean prior to disassembly.



Illustration 1

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2. In order to protect the shaft seal, use an adhesive tape to cover the drive shaft.

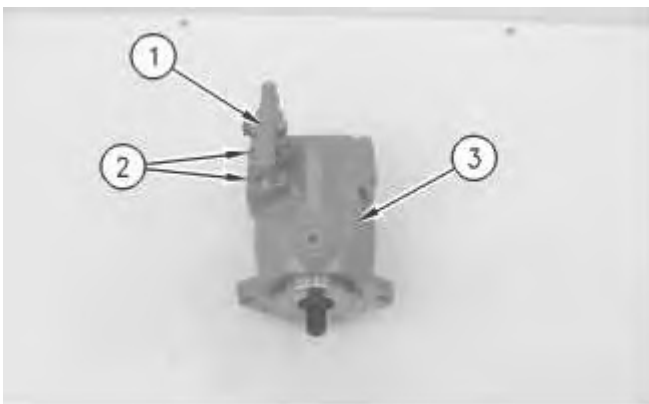


Illustration 2

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3. Remove bolts (2) and pressure and flow compensator valve (1) from piston pump (3).



Illustration 3

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4. Remove O-ring seals (4) from compensator valve (1).

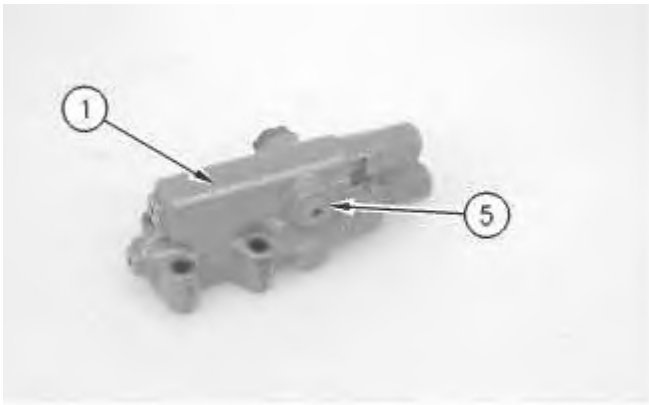


Illustration 4

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5. Remove plug (5) from compensator valve (1). Repeat for opposite side.

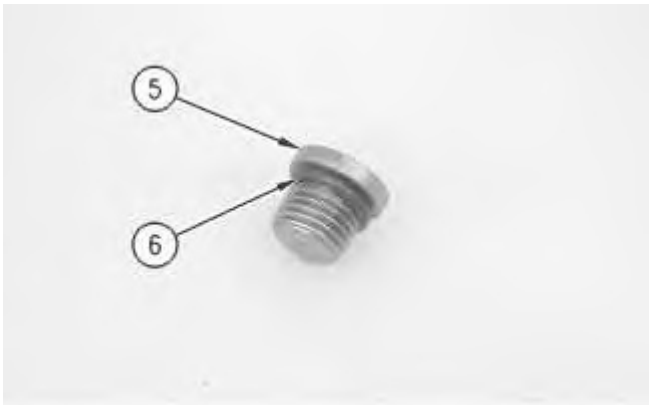


Illustration 5

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6. Remove O-ring seal (6) from plug (5).



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.**

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7. Remove plug (7) from compensator valve (1).

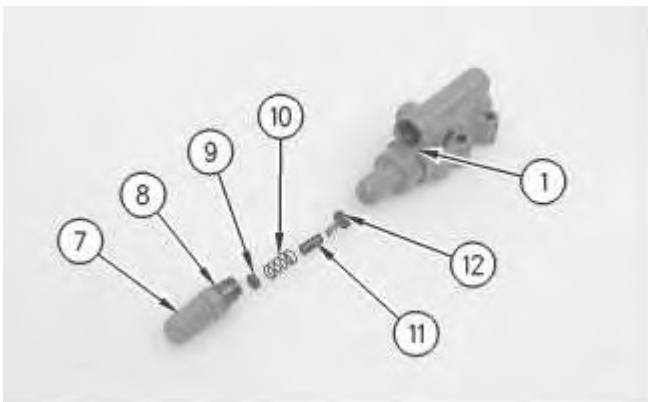


Illustration 7

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8. Remove O-ring seal (8) from plug (7). Remove plate (9), spring (10), spring (11), and guide (12) from compensator valve (1).

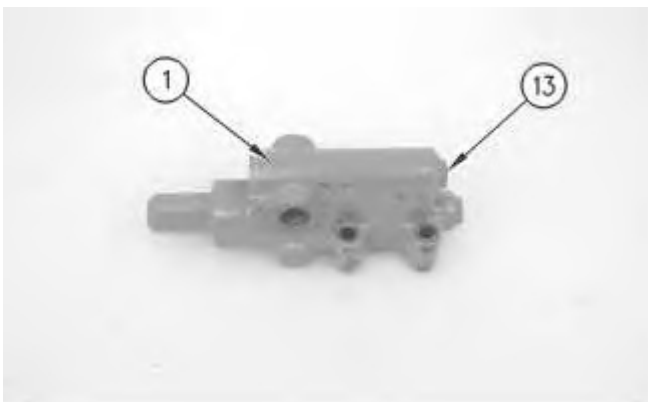


Illustration 8

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9. Remove plug (13) from compensator valve (1).
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