



# Service Repair Manual

## **Models**

# 980L Wheel Loader

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Product: WHEEL LOADER

Model: 980L WHEEL LOADER D8Z

Configuration: 980L Wheel Loader D8Z00001-UP (MACHINE) POWERED BY C13 Engine

## Disassembly and Assembly 980L T3 Wheel Loader Machine System

Media Number -M0075594-01

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i06826791

## Piston Pump (Implement) - Assemble

SMCS - 5070-016-FD; 5070-016-II; 5070-016; 5084-016; 5084-016-QP

S/N - D8Z1-20200

## Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	439-3940	Link Bracket	2
B	1U-5449	Bearing Puller Gp	1
C	1P-0510	Driver Gp	1
D	192-5092	Removal Tool	1
E	-	Loctite 648	-
F	-	Loctite 263	-
G	8T-0372	Bolt	2
H	8T-5096	Dial Indicator	1
J	9U-5719	Tubing	1

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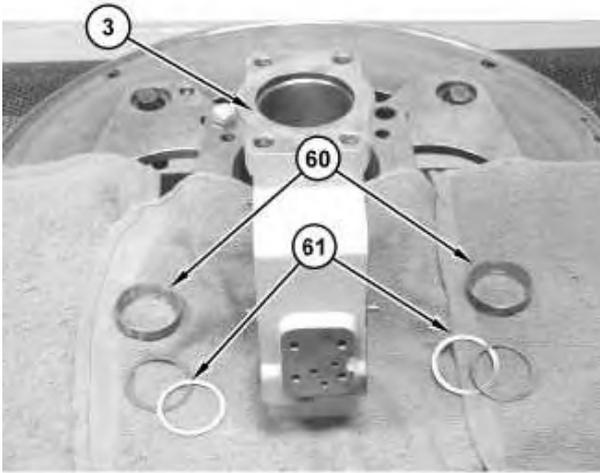


Illustration 1

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1. Use Tooling (C) to install shims (62) and bearing cups (61) into center section (3).



Illustration 2

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2. Use Tooling (C) and a suitable press to install bearing cup (59). Install bearing cup (59).
3. Install bearings (58) into front pump housing (27).

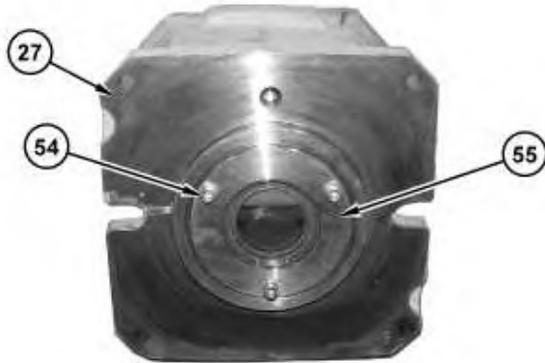
**Note:** There are two (2) Brass Pins (which are used to hold the bearings in place) in the front pump housing.



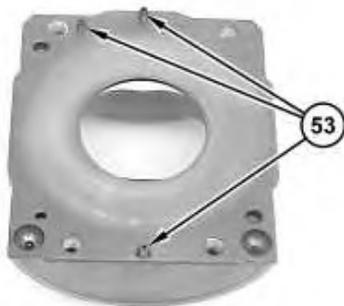
4. Apply Tooling (E) to the outer diameter of lip seal (57). Use Tooling (C) and a suitable press to install lip seal (57) into retainer (55). Install lip seal (57)



5. Install O-ring seal (56) onto retainer (55).



6. Install retainer (55) and bolts (54) onto front pump housing (27). Tighten bolts (54) to a torque of  $9.5 \pm 0.2 \text{ N}\cdot\text{m}$  ( $84.1 \pm 1.8 \text{ lb in}$ ).



7. Install sleeves (53) into the swashplate.

8. Use the following procedure to determine the shim requirements needed between the retainers and the swashplate :



Illustration 7

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- a. Install piston (52) and retaining ring (51) onto actuator (47).

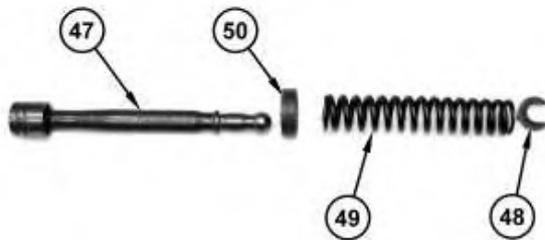


Illustration 8

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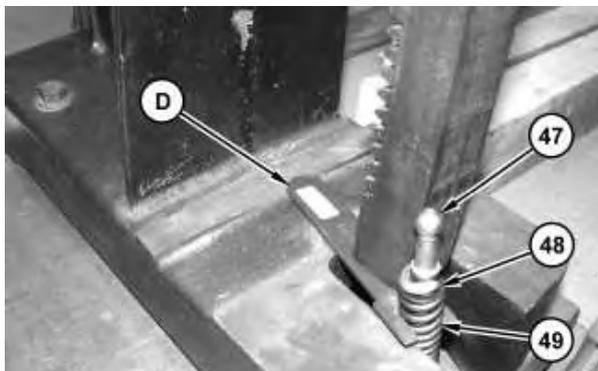


Illustration 9

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 **WARNING**

**Improper assembly of parts that are spring loaded can cause bodily injury.**

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