



Service Repair Manual

Models

450E Backhoe Loader

Product: BACKHOE LOADER

Model: 450E BACKHOE LOADER RBA

Configuration: 450E Backhoe Loader RBA00001-UP (MACHINE) POWERED BY C4.4 Engine

Disassembly and Assembly 450E Backhoe Loader Machine Systems

Media Number -UENR0271-02

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i04415306

Piston Pump - Assemble

SMCS - 5070-016; 5455

Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
B	1P-0510	Driver Group	1
C	1P-1858	Retaining Ring Pliers	1
F	1P-1861	Retaining Ring Pliers	1
G	5P-0320	Seal Guide	1
H	1U-6396	O-Ring Assembly Compound	1
J	8T-5096	Dial Indicator Group	1
K	5P-1666	Camshaft Bearing Puller Plate	1
L	9U-5719	Heat Shrink Tubing	1

Note: If a failure occurs, an accurate diagnosis of the cause can prevent a recurrence. Information is available to analyze failures for piston pumps and motors. Refer to Special Publication, SEBD0641, "Analyzing Axial Piston Pump and Motor Failures".



Illustration 1

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1. Install the seal on plug (89) . Install plug (89) . Tighten plug (89) to a torque of 105 ± 10 N·m (75 ± 10 lb ft).

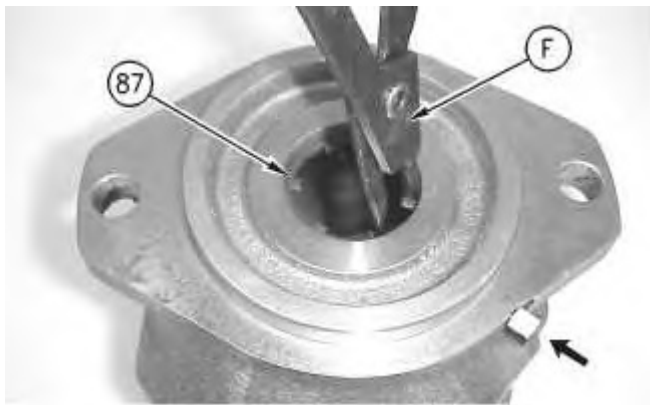
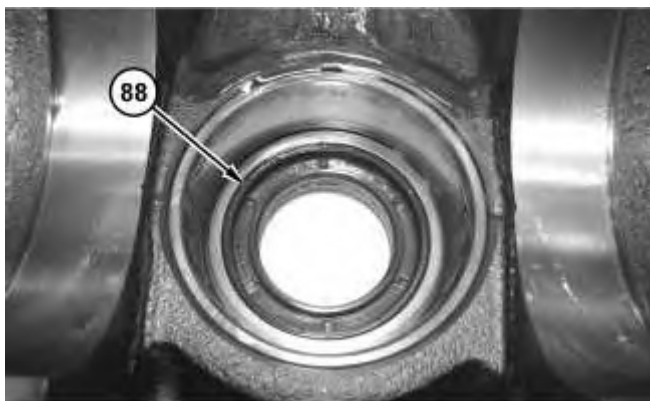


Illustration 2

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Note: The gap in retaining ring (87) must be over the weep hole that is marked.

2. Use Tooling (F) in order to install retaining ring (87) .



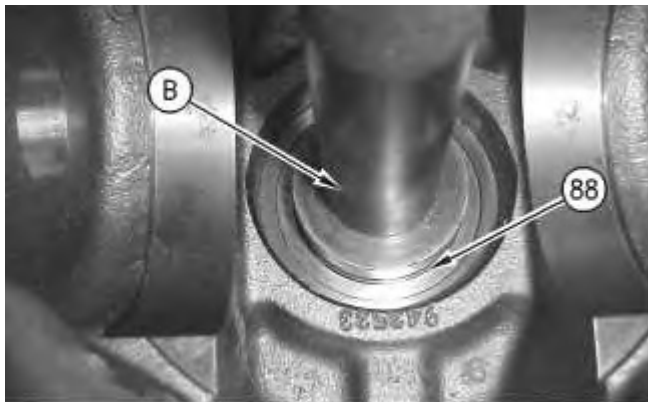


Illustration 4

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Note: Lubricate the sealing lip of seal (88) with clean hydraulic oil.

3. Use Tooling (B) in order to install seal (88) .

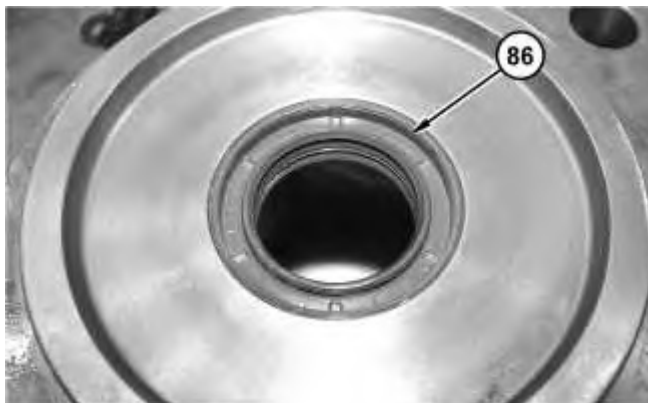
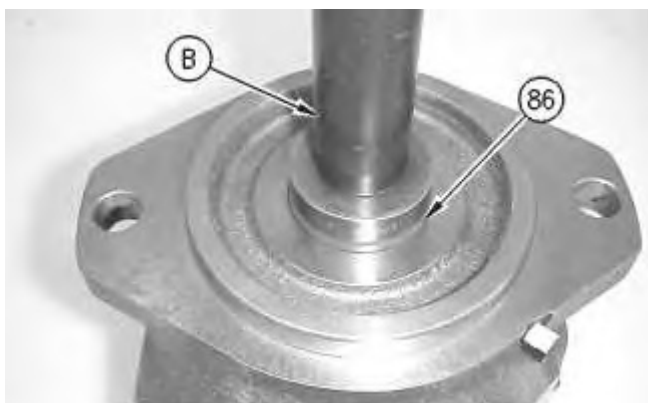


Illustration 5

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Note: Lubricate the sealing lip of seal (86) with clean hydraulic oil.

4. Use Tooling (B) in order to install seal (86) .
5. Install bearing cup (85) .



Illustration 7

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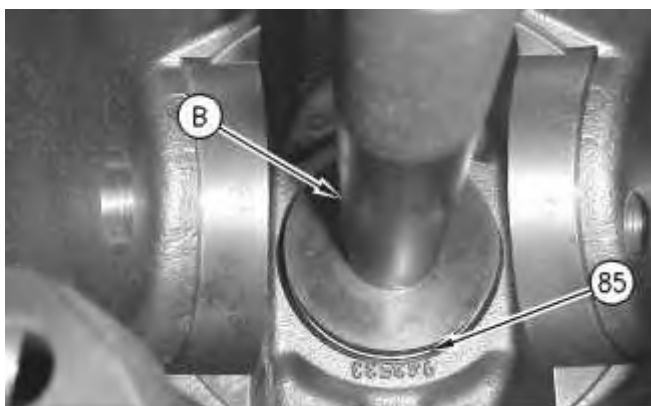


Illustration 8

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Note: If necessary, lower the temperature of bearing cup (85) .

6. Use Tooling (B) in order to seat bearing cup (85) .
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