

Product: VIBRATORY COMPACTOR

Model: CB-534D VIBRATORY COMPACTOR GCA

Configuration: CB-534D CB-534DXW Vibratory Compactor GCA00001-UP (MACHINE) POWERED BY 3054C Engine

## Disassembly and Assembly CB-534D, CB-534D XW and CB-564D Vibratory Compactors Machine Systems

Media Number -KENR3614-05

Publication Date -01/09/2008

Date Updated -22/09/2008

i05425190

# Piston Pump (Vibratory) - Disassemble

SMCS - 5070-015; 5652-015

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-0510	Driver Gp	1
B	5P-4758	Retaining Ring Pliers As	1
C	1P-0074	Slide Hammer Puller Gp	1
	4C-5648	Threaded Adapter Gp	1
D	1P-1857	Retaining Ring Pliers	1
E	1P-1861	Retaining Ring Pliers	1
F	1P-0074	Slide Hammer Puller Gp	1
G	1P-1864	Retaining Ring Pliers As	1

### Start By:

- A. Remove the piston pump. Refer to Disassembly and Assembly, "Piston Pump (Vibratory) - Remove".

**Note:** Cleanliness is an important factor. Before you begin the disassembly procedure, the exterior of the components should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism. Precision components can be damaged by contaminants or by dirt. Perform disassembly procedures on a clean work surface. Keep components covered and protected at all times.

**Note:** Regular maintenance and frequent inspections are routine precautions. Practice preventive maintenance before damage occurs. Preventive maintenance can help to avoid a failure. If a failure occurs, an accurate diagnosis of the cause can prevent a recurrence. Information is available to analyze the failures of the piston pump and the motor. Refer to Special Publication, SEBD0641, "Analyzing Axial Piston Pump and Motor Failures".

**Note:** After disassembly has been completed, check the condition of all the components. Refer to Guideline For Reusable Parts, SEBF8032, "Piston Pumps and Motors". During reconditioning, correct any conditions that might have caused the original failure. Information is available to analyze failures on the piston pumps and the motor. Refer to Special Publication, SEBD0641, "Analyzing Axial Piston Pump and Motor Failures".

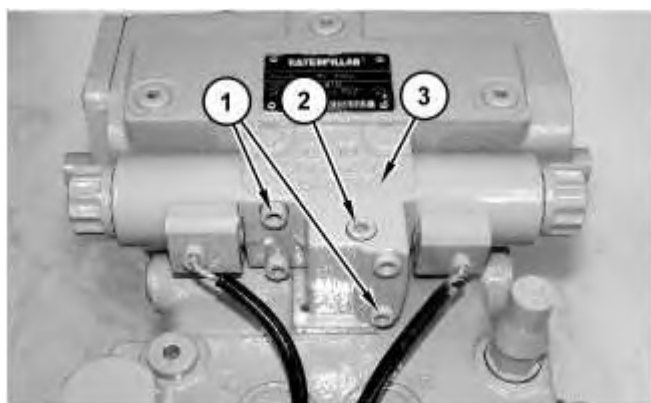


Illustration 1

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1. Remove bolts (1) and remove bolt (2) . Remove solenoid (3) .

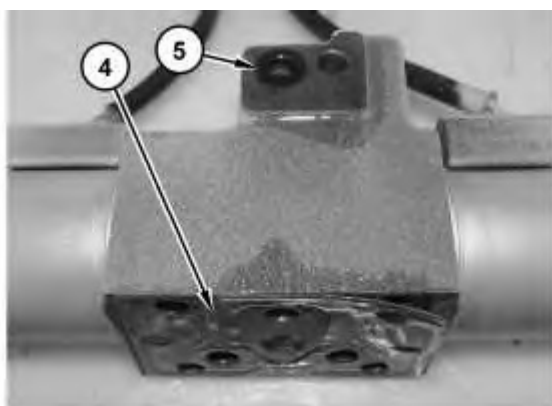


Illustration 2

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2. Remove gasket (4) and remove O-ring seal (5) .
-

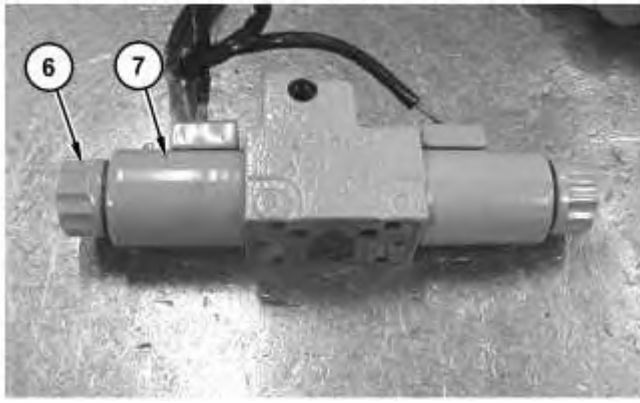


Illustration 3

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3. Remove nuts (6) and remove the O-ring seals. Remove coils (7) .

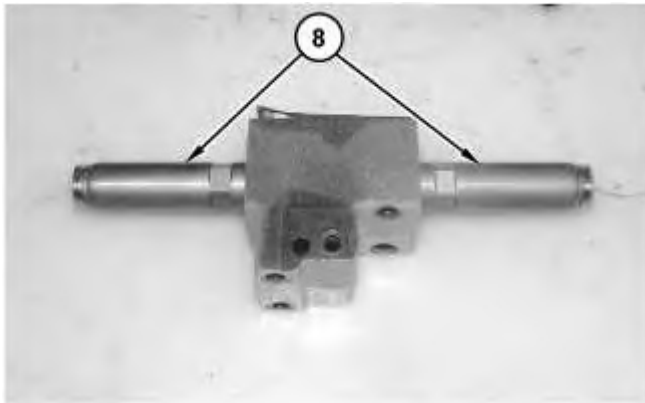


Illustration 4

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4. Remove cartridges (8) .

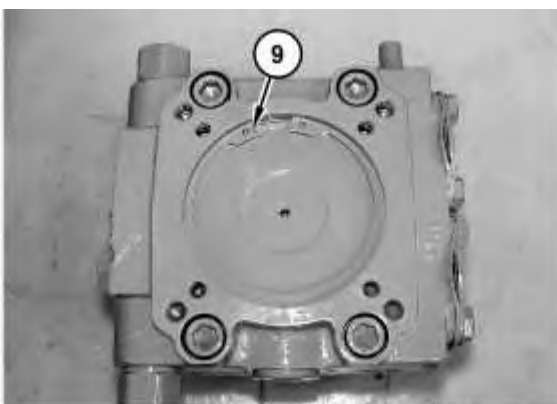


Illustration 5

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5. Use Tooling (B) in order to remove retaining ring (9) .

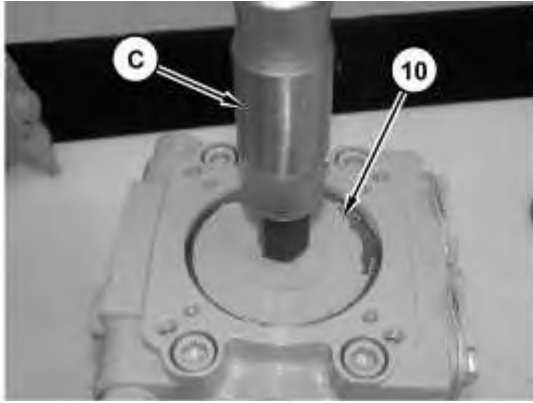


Illustration 6

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6. Use Tooling (C) in order to remove cover (10) .

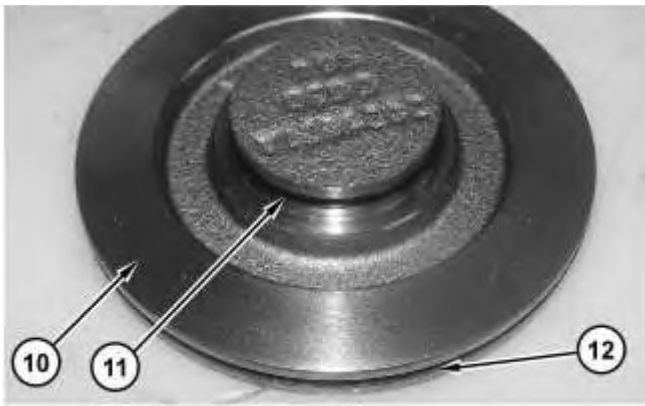
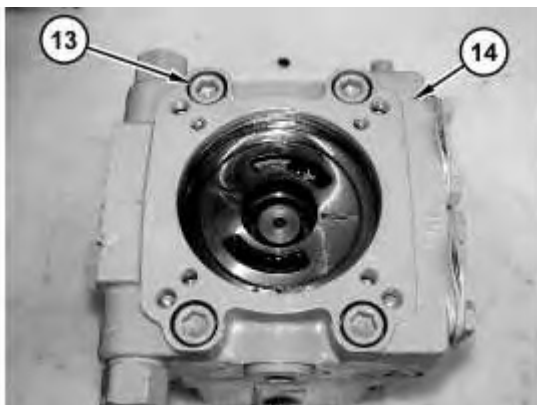


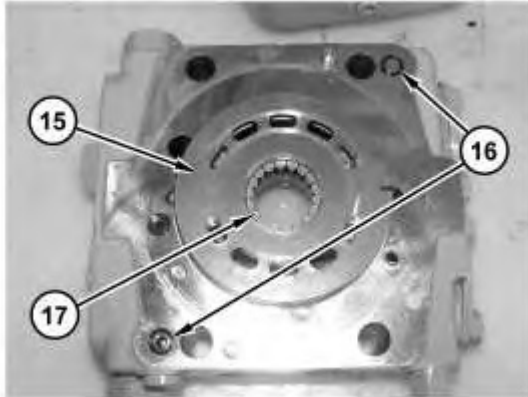
Illustration 7

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7. Remove O-ring seal (11) and remove O-ring seal (12) from cover (10) .



8. Remove bolts (13) and remove head (14) .



9. Remove port plate (15) and remove O-ring seals (16) . Remove bearing (17) .



10. Remove pin (18) .
-

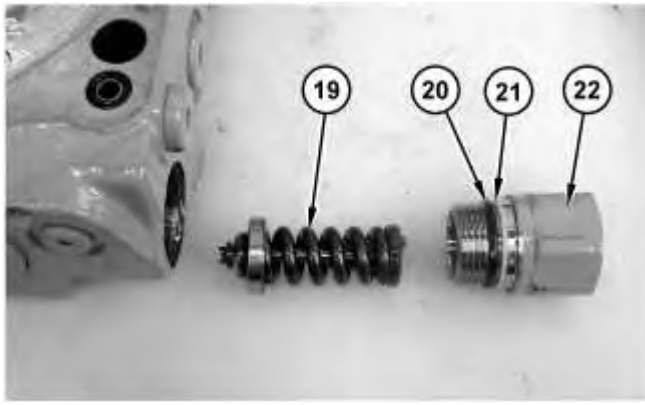


Illustration 11

g01219696

**! 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.**

11. Remove plug (22) and remove relief valve (19) .
12. Remove O-ring seal (20) and remove backup ring (21) from plug (22) .
13. Repeat Steps 11 and 12 for the opposite side.

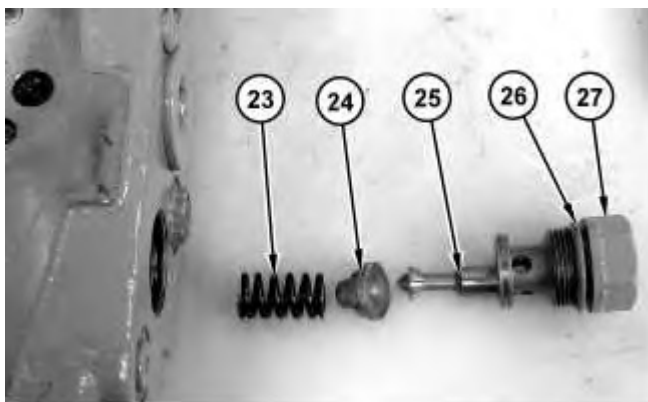


Illustration 12

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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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14. Remove the following items from the head assembly: screw (27) , poppet valve (25) , spring retainer (24) and spring (23) .
15. Remove O-ring seal (26) from screw (27) .

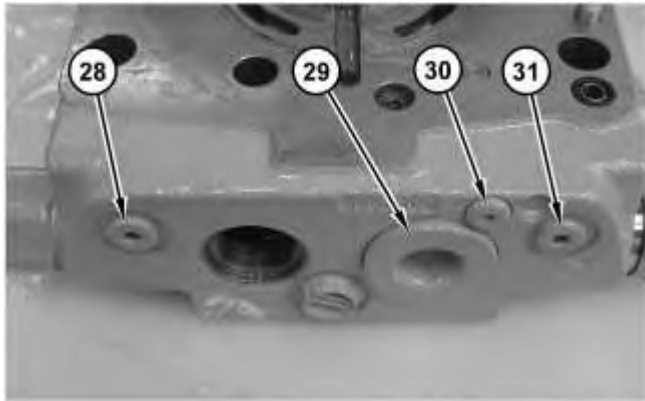


Illustration 13

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16. Remove plug (28) and the O-ring seal.
  17. Remove plug (29) and the O-ring seal.
  18. Remove plug (30) and the O-ring seal.
  19. Remove plug (31) and the O-ring seal.
-

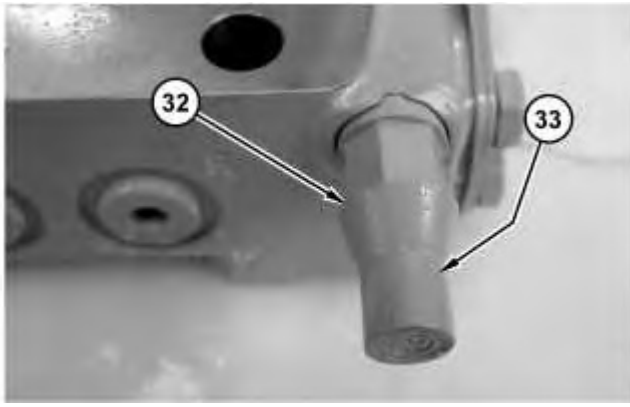


Illustration 14

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20. Remove cap (32) and remove one valve (33) (not shown).

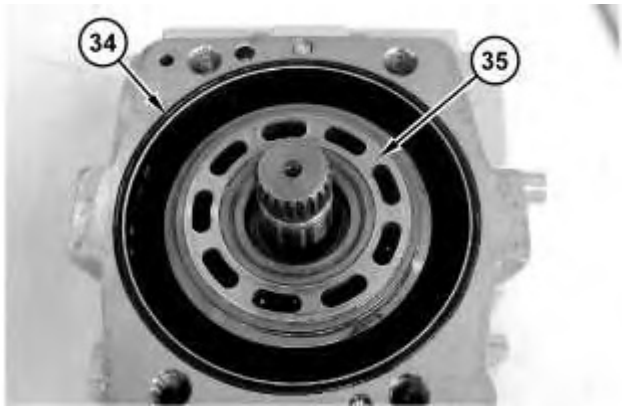


Illustration 15

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21. Remove O-ring seal (34) and remove rotating group (35) .

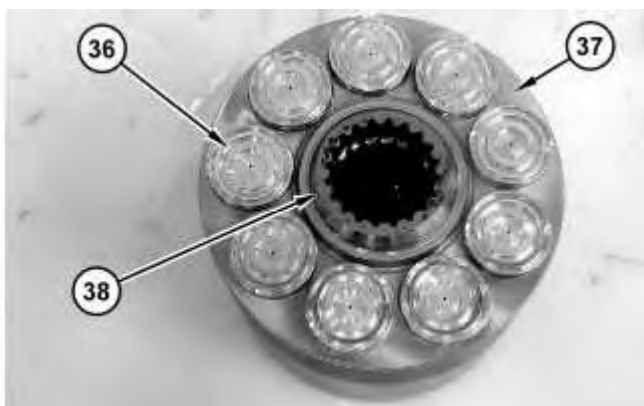


Illustration 16

g01219711



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