



Service Repair Manual

Models

CS-533E and CP-533E
Vibratory Compactor

Product: VIBRATORY COMPACTOR

Model: CS-533E VIBRATORY COMPACTOR BZE

Configuration: CS-533E,CP-533E Vibratory Compactor BZE00001-UP (MACHINE) POWERED BY 3054C Engine

Disassembly and Assembly CP-533E and CS-533E Vibratory Soil Compactors Machine Systems

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i01959207

Piston Motor (Drum Propel) - Disassemble

SMCS - 4351-015; 5058-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-0510	Driver Gp	1
B	8H-0663	Bearing Puller Gp	1

Start By:

- Remove the piston motor. Refer to Disassembly and Assembly, "Piston Motor (Drum Propel) - 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".

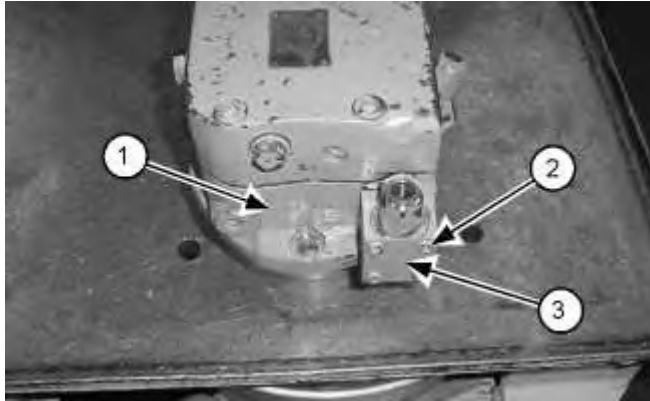


Illustration 1

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1. Remove bolts (2) and valve (3) from housing (1) .

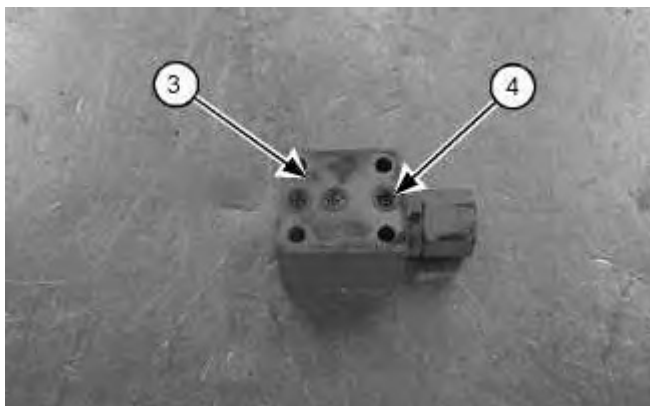


Illustration 2

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2. Remove O-ring seal (4) from valve (3) .
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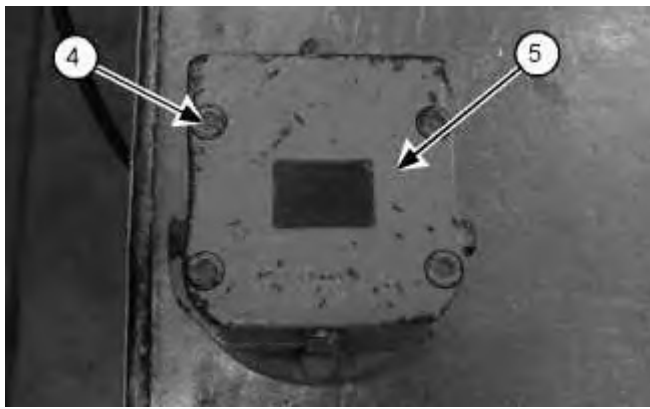


Illustration 3

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3. Remove bolts (4) and head (5) .

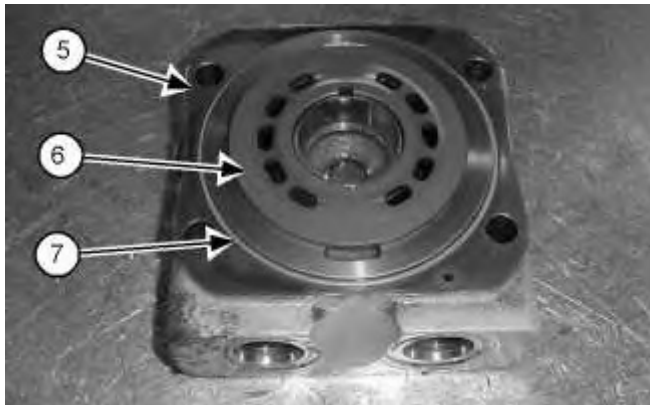


Illustration 4

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4. Remove plate (6) and O-ring seal (7) from head (5) .

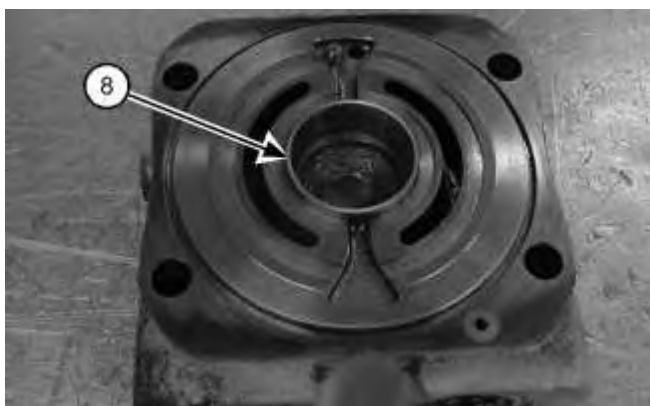


Illustration 5

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5. Remove bearing cup (8) .

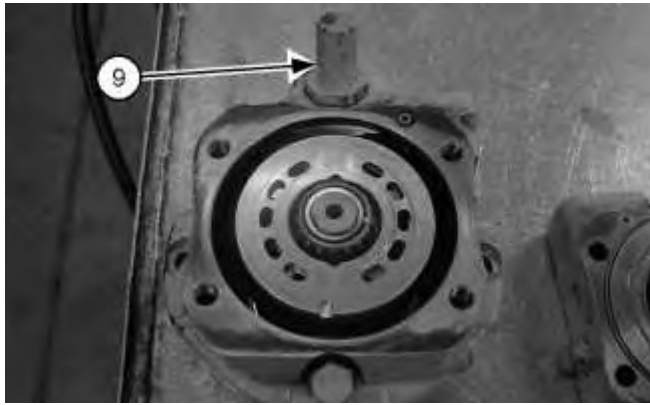


Illustration 6

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6. Remove plug (9) .

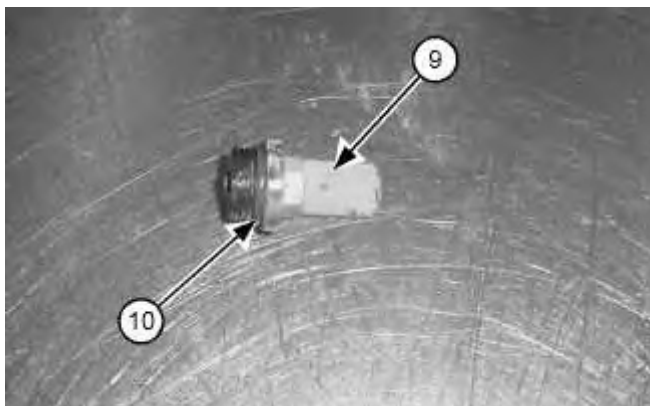
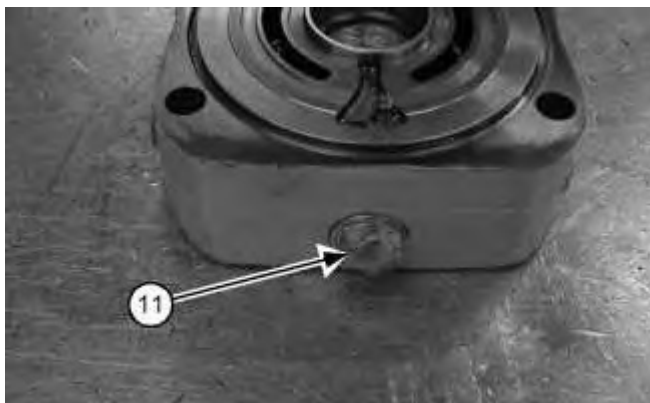


Illustration 7

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7. Remove O-ring seal (10) from plug (9) .



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