



Service Repair Manual

Models

CS-583D Vibratory Compactor

Product: VIBRATORY COMPACTOR

Model: CS-583D VIBRATORY COMPACTOR 2CZ

Configuration: CS-583D Vibratory Compactor 2CZ00001-UP (MACHINE) POWERED BY 3116 Engine

Disassembly and Assembly

CP-563D, CS-563D , CS-573D & CS-583D VIBRATORY COMPACTORS MA

Media Number -KENR7037-07

Publication Date -01/06/2004

Date Updated -13/08/2012

KENR70370010

Vibratory Pump

SMCS - 5070-010; 5070-015; 5070-016

Remove & Install Vibratory Pump

Tools Needed		A
6V-2082	Hook Assembly	1

Start by:

- a. tilt operators platform or tilt cab



WARNING

Personal injury can result from hydraulic oil pressure and hot oil.

Hydraulic oil pressure can remain in the hydraulic system after the engine has been stopped. Serious injury can be caused if this pressure is not released before any service is done on the hydraulic system.

Make sure all of the attachments have been lowered, oil is cool before removing any components or lines. Remove the oil filler cap only when the engine is stopped, and the filler cap is cool enough to touch with your bare hand.

NOTICE

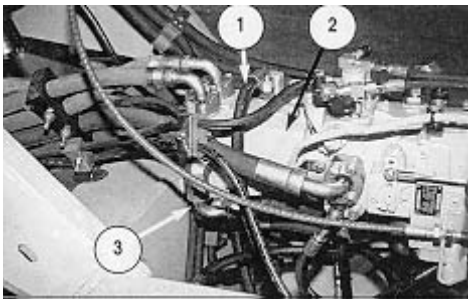
Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.

Refer to Special Publication, NENG2500, "Caterpillar Tools and Shop Products Guide", for tools and supplies suitable to collect and contain fluids on Caterpillar products.

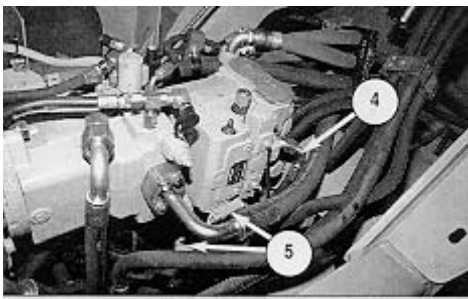
Dispose of all fluids according to local regulations and mandates.

NOTE: Identify all hydraulic lines as they are removed for reinstallation purposes. Cap and plug all lines and fittings to prevent any contaminants from entering the hydraulic system.

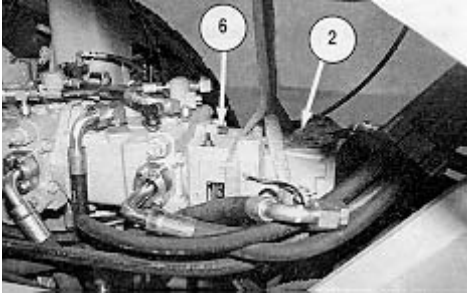
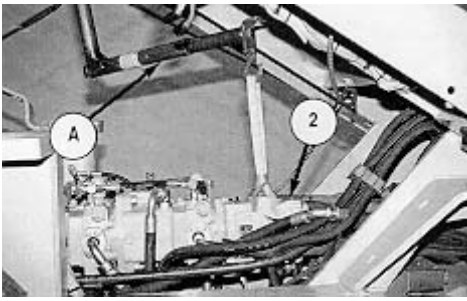
1. Release the pressure in the hydraulic system by slowly loosening the fill cap located on the top of the hydraulic oil tank.
2. Drain the hydraulic oil from the hydraulic oil tank. The capacity of the hydraulic oil tank is 80 liters (21.1 U.S. gal).



3. Disconnect hose assemblies (1) and (3) from vibratory pump (2).



4. Disconnect two hose assemblies (4) from vibratory pump.
5. Disconnect electrical connectors (5) from vibratory pump.



6. Use a hoist to attach a lifting strap and Tool (A) to vibratory pump (2) as shown. Remove two bolts (6) and washers, then remove the vibratory pump from the propel pump. The weight of the vibratory pump is 39 kg (85 lb).

NOTE: After the vibratory pump has been installed, fill the hydraulic oil tank to the correct level. See the Operation & Maintenance Manual for the correct filling procedure.

NOTE: For installation of the vibratory pump, reverse the removed steps.

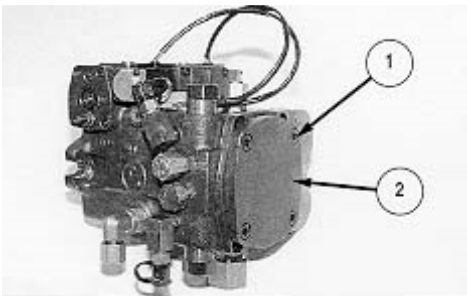
End By:

a. lower operators platform or lower cab

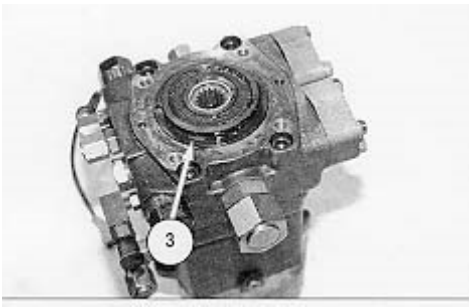
Disassemble Vibratory Pump

Start By:

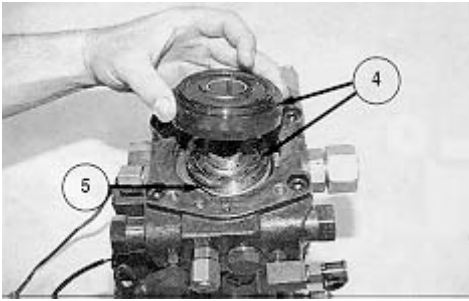
a. remove vibratory pump



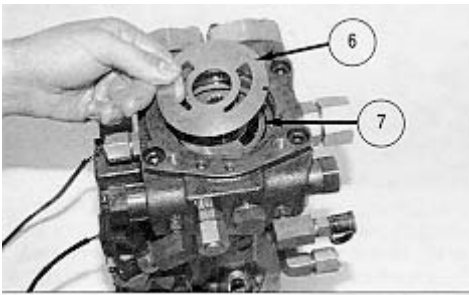
1. Remove four bolts (1), and remove cover (2) from the end cover.



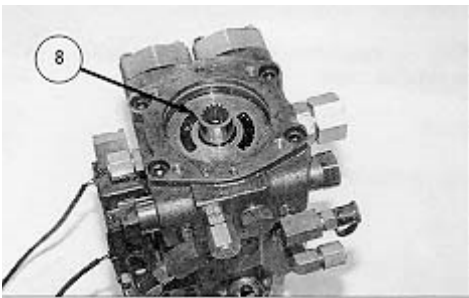
2. Remove O-ring seal (3) from the charge pump. Check the O-ring seal for wear or damage, and replace if necessary.



3. Remove charge pump (4) and O-ring seal (5) from the end cover. Check the O-ring seal for wear or damage, and replace if necessary.



4. Remove wear plate (6) and O-ring seal (7) from the end cover. Check the O-ring seal for wear or damage, and replace if necessary.



5. Remove shaft (8) from the end cover. Remove the key from the shaft.

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