



Service Repair Manual

Model

426C BACKHOE LOADER

Product: BACKHOE LOADER

Model: 426C BACKHOE LOADER 7WN

Configuration: 426C Backhoe Loader Center Pivot, Single Tilt 7WN01100-01110 (MACHINE) POWERED BY 3054 Engine

Disassembly and Assembly

416C, 426C, 428C, 436C AND 438C BACKHOE LOADERS MACHINE SYST

Media Number -SEN1209-02

Publication Date -01/10/2004

Date Updated -05/06/2012

SEN12090032

Steering Cylinder

SMCS - 4303-010

Remove & Install Steering Cylinder

Start By:

- a. remove tie rods

Fluid Spillage Containment

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting and repair of the machine. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids. Refer to "Tools And Shop Products Guide", NENG2500 for tools and supplies suitable to collect and contain fluids in Caterpillar machines. Dispose fluids according to local regulations and mandates.

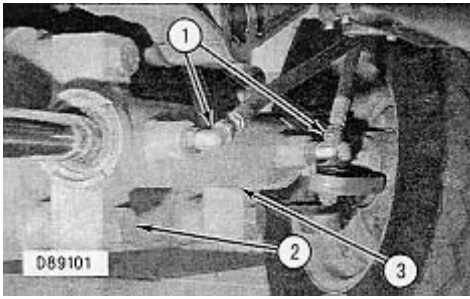


WARNING

At operating temperature, the hydraulic oil tank is hot and under pressure. Hot oil can cause burns. Remove the breather filter cap only when the engine is stopped and the breather filter cap is cool enough to touch. Slowly loosen the breather filter cap to release any pressure in the hydraulic tank. Be cautious of hot hydraulic oil when any lines are disconnected in the hydraulic system.

NOTE: Put identification on all lines, hoses, wires and tubes for installation purposes. Cap and plug all lines, hoses and tubes to prevent foreign material from entering the system.

NOTE: Drain all fluids in a suitable container for storage or disposal.



1. Disconnect two hose assemblies (1). Cap or plug immediately.
2. Remove four bolts (2).
3. Remove steering cylinder (3).

NOTE: For installation of the steering cylinder, reverse the removal steps.

End By:

- a. install tie rods

NOTE: Refer to the Operation & Maintenance Manual for all fluid capacities and the proper filling procedures.

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SEN12090033

Air Conditioner Compressor Group

SMCS - 1802-010; 1802-015; 1802-016

Remove & Install Air Conditioner Compressor Group



WARNING

Effective July 1, 1992 regulations prohibit the venting of any refrigerant into the atmosphere. Refer to Caterpillar publication SENR5664 and NEDG5065 for the proper procedure, equipment and tools to reclaim refrigerant from any Caterpillar machine.

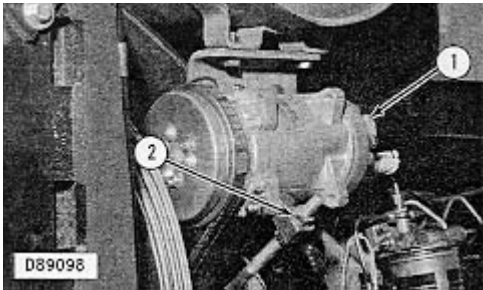


WARNING

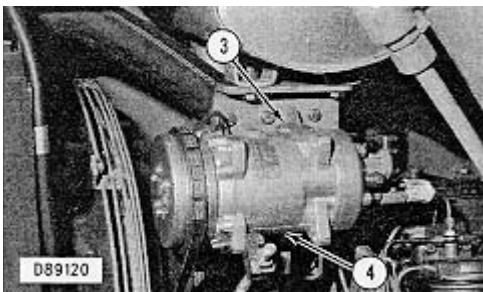
Always wear goggles when working on air conditioning systems. The system is under pressure at all times, engine running or not. Escaping refrigerant R-134A can cause freezing of human flesh.

Do Not smoke while working on air conditioning systems. **INHALING REFRIGERANT R-134A THROUGH ANY SMOKING MATERIAL, ALTHOUGH NOT TOXIC OR FLAMMABLE, CAN GENERATE LETHAL PHOSGENE GAS AND CAUSE VIOLENT ILLNESS OR DEATH. ALSO HEAT MUST NEVER BE APPLIED TO A CHARGED SYSTEM.** See Air Conditioning And Heating Service Manual, Form No. SENR5664, for more information on removal and installation of lines and refrigerant from the system.

NOTE: For purging and charging the air conditioning system, refer to the Air Conditioning And Heating Service Manual SENR5664.



1. Disconnect wiring harness (1).
2. Loosen nuts (2).
3. Position fan belt for compressor removal.
4. Disconnect the refrigerant lines.



5. Remove two bolts (3).
6. Remove compressor (4).

NOTE: For installation of the air conditioner compressor group, reverse the removal steps.

NOTE: For purging and charging the air conditioning system, refer to the Air Conditioning And Heating Service Manual SENR5664.

Remove & Install Air Conditioner Compressor Group (416C)



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