



# Service Repair Manual

## **Model**

226 Skid Steer Loader

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Product: SKID STEER LOADER

Model: 226 SKID STEER LOADER 5FZ

Configuration: 216 226 232 242 Skid Steer Loader 5FZ06700-UP (MACHINE) POWERED BY 3024C, 3034 Engine

## Disassembly and Assembly 216, 226, 232 and 242 Skid Steer Loaders Machine Systems

Media Number -REN4838-02

Publication Date -01/11/2009

Date Updated -04/11/2009

i01671430

## Tilt Cylinder - Remove

SMCS - 5104-011

S/N - 4NZ3400-UP

S/N - 5FZ6700-UP

## Removal Procedure

Table 1

REQUIRED TOOLS			
Tool	Part Number	Part Description	Qty
A	1U-9759	Jack Stand	2
B	1U-9760	Jack Stand	2

### Start By:

- A. Release the hydraulic system pressure. Refer to Disassembly and Assembly, "Hydraulic System Pressure - Release".
- B. Remove the quick coupler. Refer to Disassembly and Assembly, "Quick Coupler - Remove and Install".



**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.**

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## **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.**

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**Note:** Put identification marks on all lines and on all cylinders for installation purposes. Plug all lines. This will help to prevent fluid loss and this helps to keep contaminants from entering the system.

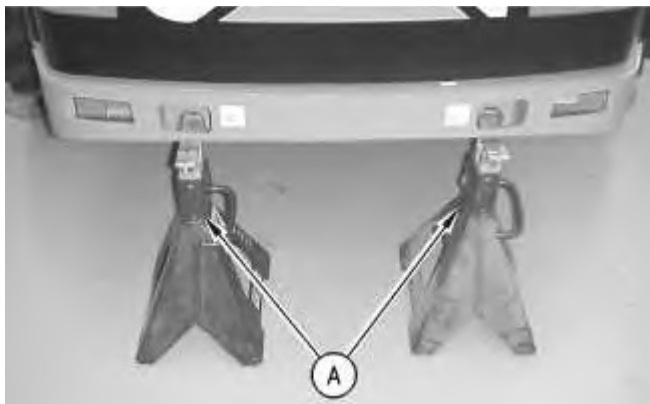


Illustration 1

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1. Use Tooling (A) to support the rear of the machine.
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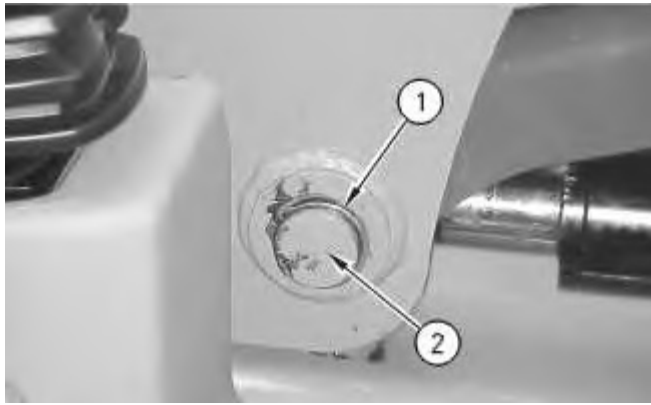


Illustration 2

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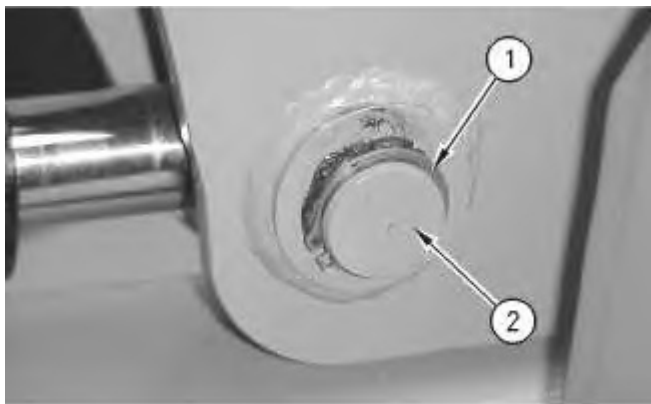


Illustration 3

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2. Remove snap ring (1) from the front of each lift cylinder.
3. Remove pin (2) from the front of each lift cylinder.

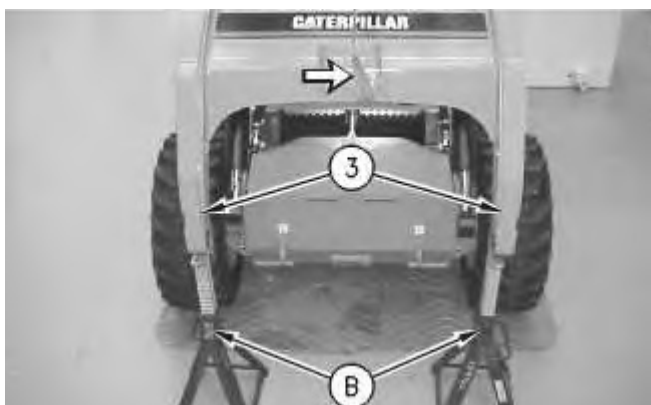


Illustration 4

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4. Attach a suitable lifting device in order to raise the lift arm assembly.

5. Use Tooling (B) in order to support lift arm assembly (3) .

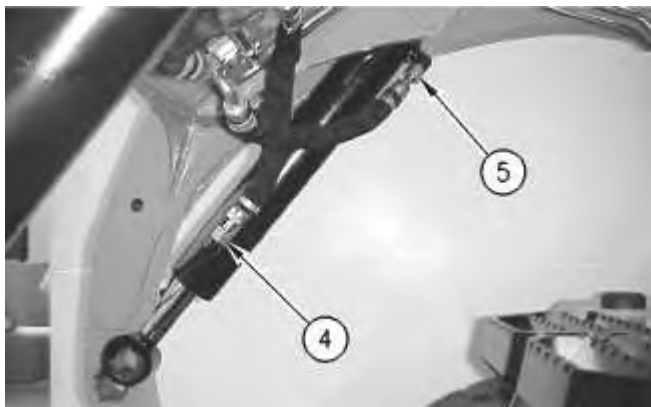


Illustration 5

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6. Disconnect lines (4) and (5) from each tilt cylinder.



Illustration 6

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7. Remove nut (7) and bolt (6) .
8. Remove pin (8) from the tilt cylinder.
9. Remove the tilt cylinder from the lift arm assembly (9) .
10. Repeat Steps 7 through 9 for the opposite side.

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