



Service Repair Manual

Models

966F SERIES II WHEEL LOADER

Product: WHEEL LOADER

Model: 966F WHEEL LOADER 7HL

Configuration: 966F SERIES II WHEEL LOADER 7HL00306-UP (MACHINE)

Disassembly and Assembly 966F WHEEL LOADER VEHICLE SYSTEMS

Media Number -SEN4779-01

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SEN47790005

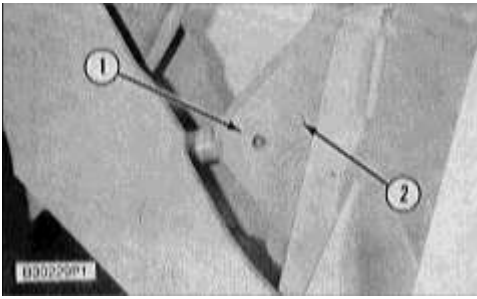
Tilt Link And Lever

SMCS - 6116; 6117-011; 6117-012

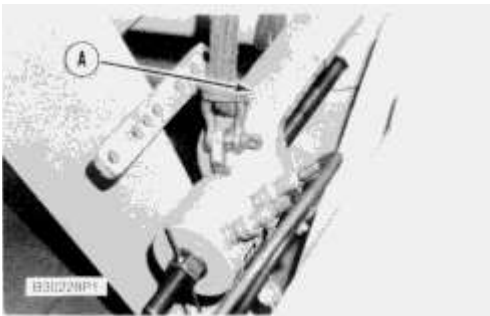
Remove Tilt Link And Lever

Tools Needed		A	B	C
9S5558	Stud, 1 1/4"	1		1
5P7370	Sleeve Assembly	1	1	
5P7371	Adapter	1	1	
1P0544	Nut	1		1
4K0684	Washer	1		
5P3100	Pump Group	1	1	1
5H6197	Pin	1	1	1
8S6377	Key	1	1	
5P2998	Hydraulic Puller	1		1
6H4158	Pin		2	
7B2499	Ring		4	
9S8900	Cylinder Group		1	
9S5557	Adapter	1	1	
7M9774	Coupling		1	
7S7112	Pin		1	
6V0086	Sleeve			1

1. Position the bucket flat on the ground and shut the machine off.



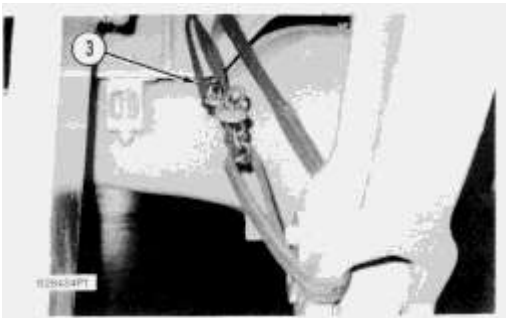
2. Remove bolt (2) that holds pin (1).



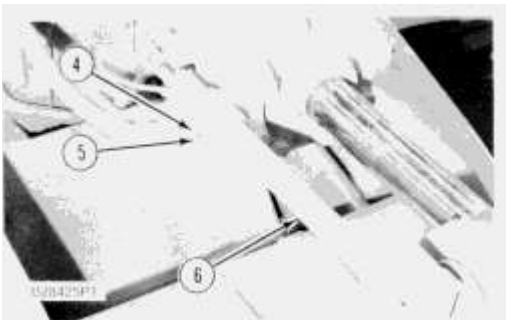
3. Install Puller (A) on the pin, as shown.

4. Fasten a hoist to the tooling and link so they do not fall when the pin is removed.

5. Remove pin (1).

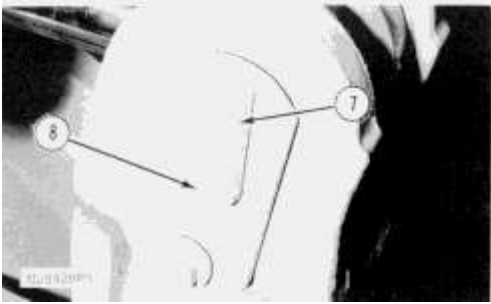


6. Fasten strap (3) to the tilt lever, as shown, to hold the tilt lever in position.



7. Put a mark on the location of the bucket positioner. Loosen two bolts (4) and tighten bolt (5) so that bucket positioner (6) can be moved back.

8. Move the bucket positioner back so that the pin in the cylinder can be removed.



9. Loosen two setscrews (8) and remove magnet assembly (7).



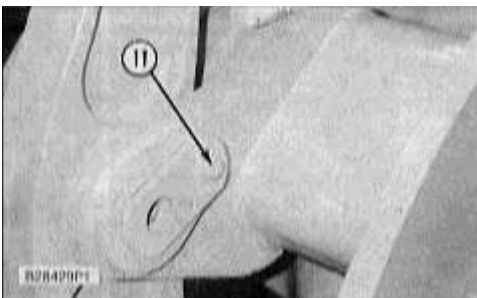
10. Remove bolt (9).



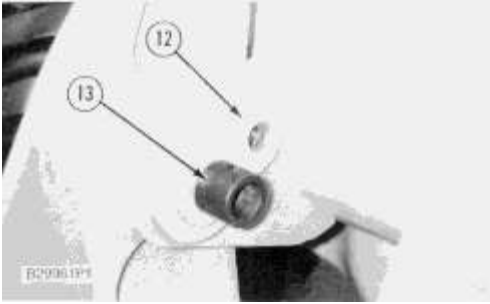
11. Put Puller Group (A) in position. Use a hoist to support the tooling. Use another hoist to support the tilt cylinder.

12. Remove the pin and Puller Group (A).

13. Use the machine hydraulics to move the cylinder rod into the cylinder and lower the cylinder onto the loader frame.

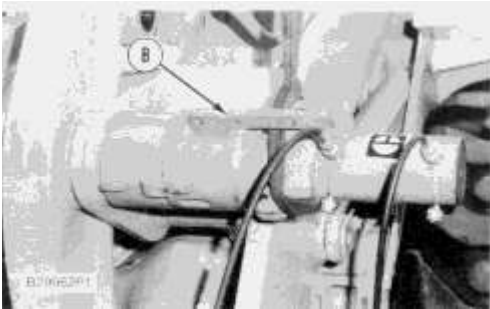


14. Remove bolt (11).



15. Fasten a hoist to the lever assembly.

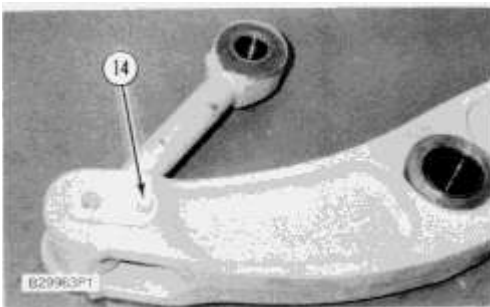
16. Put adapter (13), part of tooling (B), in the pin.



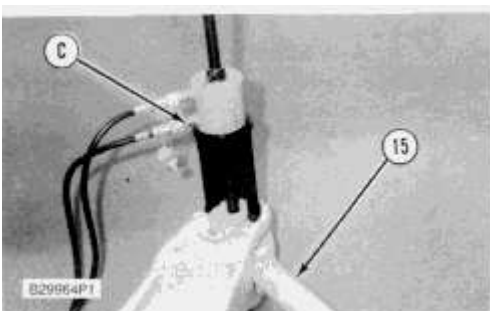
17. Install the remainder of tooling (B), as shown. Use a hoist to support the tooling so it does not fall when the pin is removed.

18. Remove the pin with tooling (B).

19. Remove the lever and link assembly. The weight of the lever and link assembly is **376 kg (825 lb)**.



20. Remove bolt (14).



21. Install Puller Group (C), as shown.

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