

Tools Needed		A	B	C	D	E
5P-9736	Link Bracket	2				
3S-6224	Pump Group		1			
6V-4035	Sleeve Assembly		1			
8H-7539	Nut		2			
4C-9634	Stud Puller		1			
6V-3170	Cylinder Group		1			
1H-3112	H-Bar			1		
1U-9895	H-Bar			1	1	
4C-5809	Pump			1	1	
5P-9725	Cylinder			1		
6V-3175	Cylinder				1	
1H-3109	Legs				2	
1H-9889	H-Bar				1	
3H-0465	Brackets				2	
3H-0468	Brackets				2	
FT-1645	Spacer				1	
1P-0471	Plate				1	
1U-7244	Hammer					1

Start By:

- a. separate tractor and trailer

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 Product Guide, NENG2500", for Tools and supplies suitable to collect and contain fluids in Caterpillar machines. Dispose fluids according to local regulations and mandates.



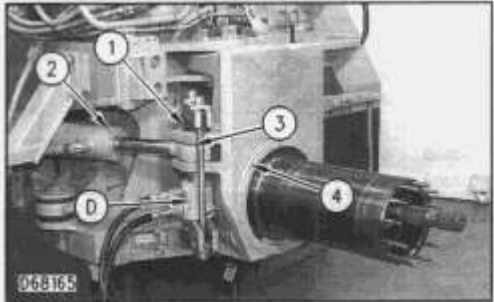
WARNING

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

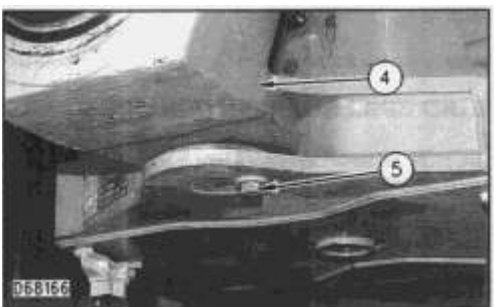
the hydraulic tank. Be cautious of hot hydraulic oil when any lines are disconnected in the hydraulic system.

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.

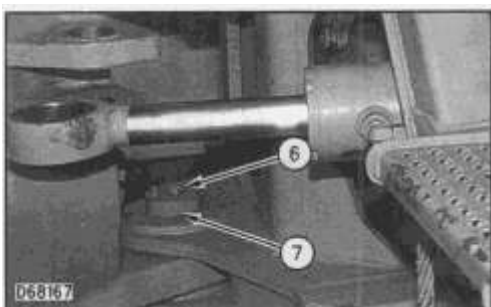
NOTE: Drain all fluids in a suitable container for storage or disposal.



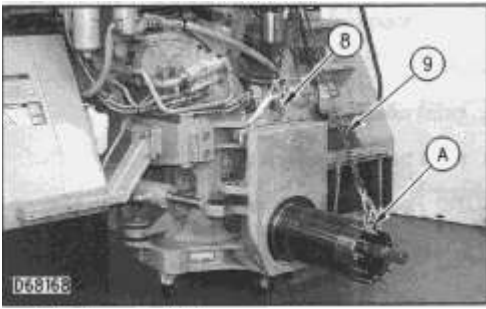
1. Use Tooling (D) to remove pin (1) from steering cylinder (2) at its pivot point (3) on hitch (4).
2. Repeat step number 1 for the opposite side of the hitch.



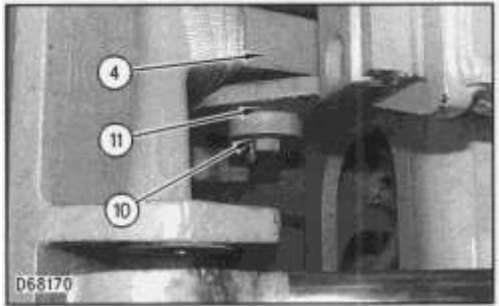
3. Remove bolt and retainer (5) from hitch (4).



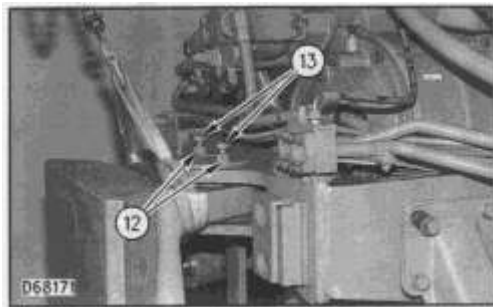
4. Remove bolt and retainer (6) from lower hitch pin (7).



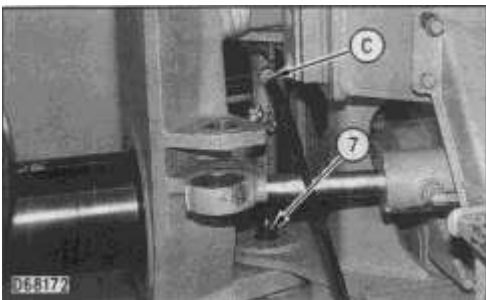
5. Install Tool (A) and attach lifting straps (8) and safety chains (9) as shown and attach to a suitable lifting device.



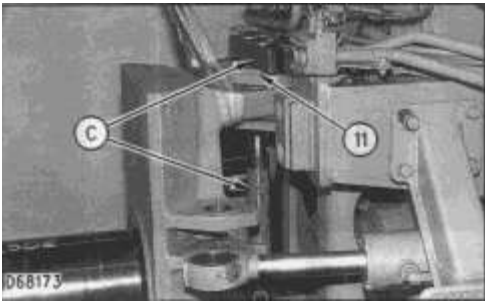
6. Remove bolt and retainer (10) from upper pivot pin (11) of hitch (4).



7. Loosen lock nuts (12) and remove thrust ring adjusting bolts (13).

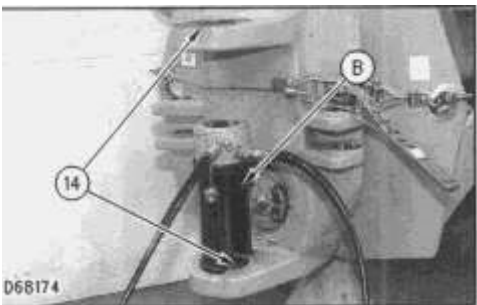


8. Use Tooling (C) to remove the lower hitch pin (7).



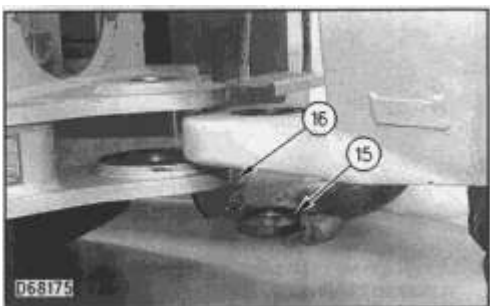
9. Use Tooling (C) to remove the upper hitch pin (11).

10. Remove hitch from the tractor. The weight of the hitch is **391 kg (860 lb)**.

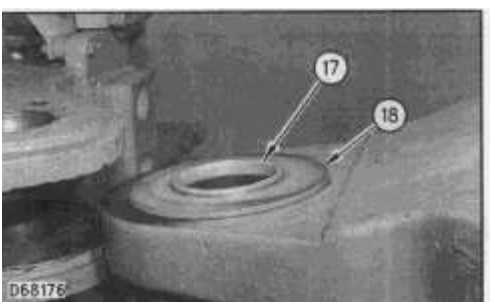


11. Use Tooling (B) to remove upper and lower spherical bearing (14), if necessary.

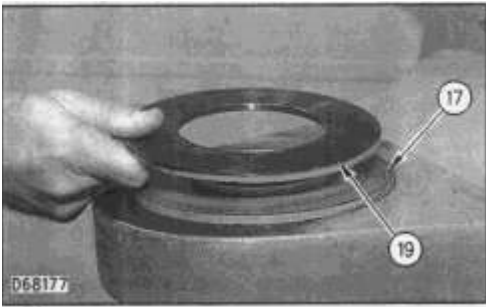
NOTE: The following steps are for the installation of the oscillating hitch.



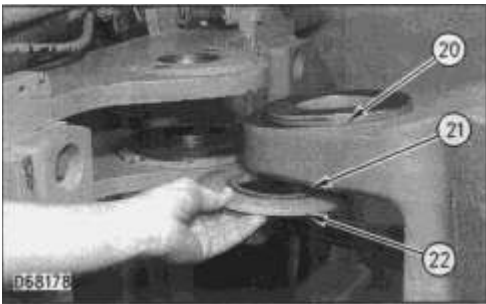
12. Using vacuum type grease position "V" seal with spacer (15) in lower hitch bearing cavity (16).



13. Position upper thrust ring (17) on upper pivot point hitch (18).

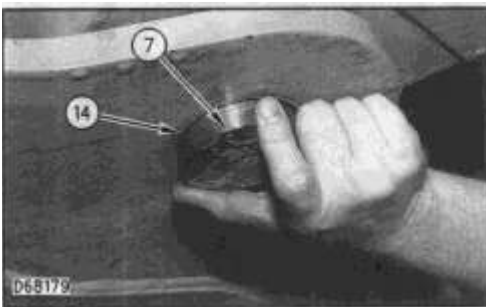


14. Position thrust ring (19) on top of thrust ring (17).



15. Using high vacuum grease position thrust ring (22) in bottom bearing cavity (21) of upper pivot hitch pin (20).

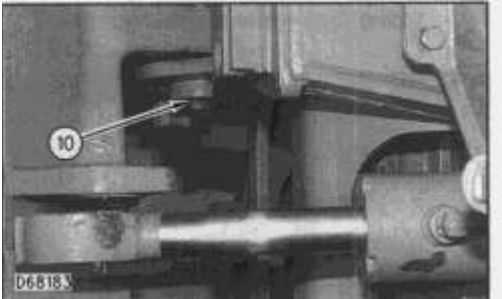
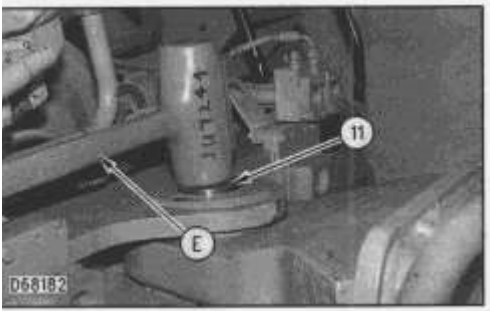
16. Using tow people, move hitch in position on the tractor using car not to disrupt "V" ring (15) and upper thrust ring (17).



17. Install tapered pin (7) in lower pivot bearing (14) of hitch and mating with frame of tractor.

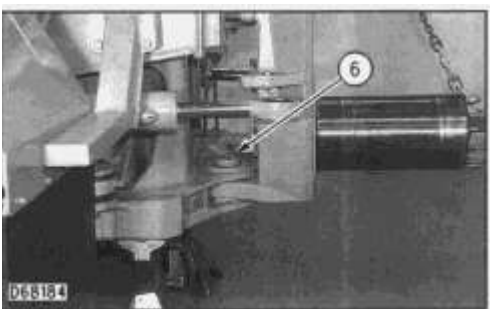
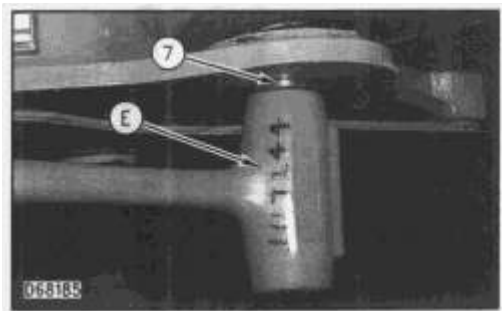


18. Install tapered pin (11) in upper bearing hitch pivot point (23).



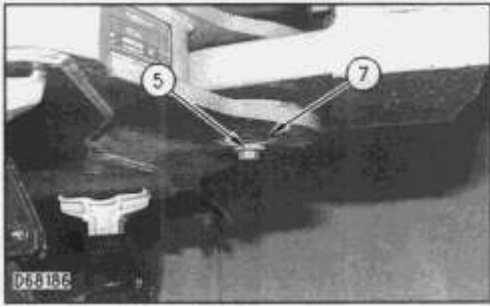
19. While impacting the tapered pin (11) with Tool (E), install bolt with retainer (10) and tighten to a torque of **360 N·m (270 lb ft)**.

NOTE: Continue to impact and tighten until impact no longer relaxes torque. Recheck after road test.

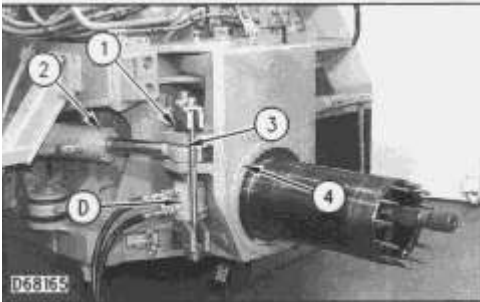


20. While impacting tapered pin (7) with Tool (E) install bolt with retainer (6) and tighten to a torque of **360 N·m (270 lb ft)**.

NOTE: Continue to impact and tighten until impact no longer relaxes torque. Recheck after road test.



21. Apply **9S-3263 Loctite** to the threads and install bolt and retainer (5) under tractor hitch at tapered pin (7).



22. Using Tooling (D) install pin (1) from steering cylinder (2) at its pivot point (3) on hitch (4).

End By:

a. connect tractor to trailer

NOTE: Reference SEBU6903, April 1995 for final adjustment.

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

Product: ARTICULATED TRUCK

Model: D300E ARTICULATED TRUCK 7FN

Configuration: D300E Articulated Truck 7FN00001-UP (MACHINE) POWERED BY 3306 Engine

Disassembly and Assembly 26SI Series Alternator

Media Number -REN1252-01

Publication Date -01/10/1999

Date Updated -09/10/2001

i01167081

Alternator - Disassemble

SMCS - 1405-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	6V-7070	Digital Multimeter	1
B		Variable Power Supply	1

Start By:

- A. Remove the alternator. Refer to Disassembly and Assembly, "Alternator - Remove" for the machine that is being serviced.

Note: Cleanliness is an important factor. Before the disassembly procedure, the exterior of the component should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism.

1. Remove the pulley nut, the washer, the pulley, and the fan.
-



Illustration 1

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2. Remove 4 screws (1). Remove plate (2) .

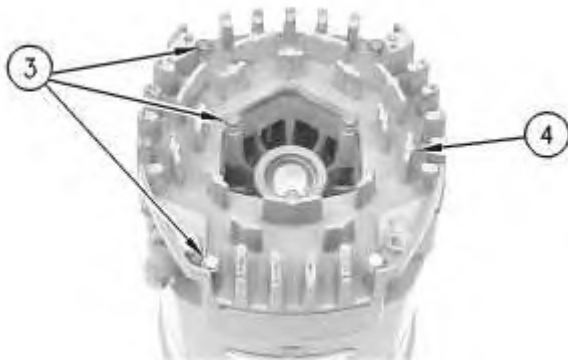


Illustration 2

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3. Remove 7 screws (3). Remove cover (4) .



Illustration 3

g00627794

4. Remove gasket (5) .



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