



# Service Repair Manual

## **Models**

# 966C WHEEL LOADER

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Product: WHEEL LOADER

Model: 966C WHEEL LOADER 76J

Configuration: 966C WHEEL LOADER 76J09656-UP (MACHINE) POWERED BY 3306 ENGINE

## Disassembly and Assembly 966 WHEEL LOADER POWER TRAIN

Media Number -REG01117-02

Publication Date -01/04/1992

Date Updated -10/10/2001

### Wheels, Bearings And Duo-Cone Seals

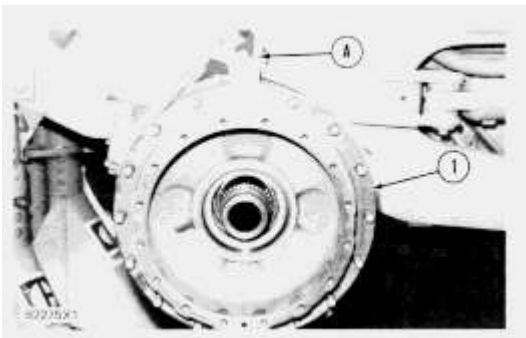
SMCS - 4208-11; 4208-12

## Remove Wheels, Bearings And Duo-Cone Seals

Tools Needed		A
FT522	Bracket	1

start by:

a) remove final drive ring gears and hubs



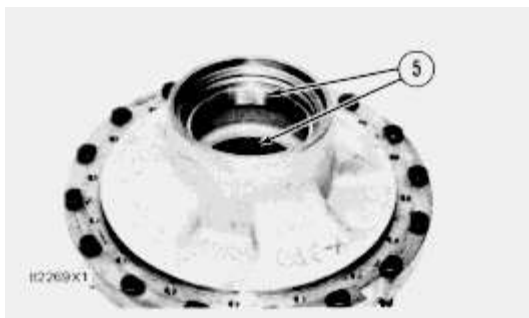
1. Use tool (A) and a hoist to remove wheel assembly (1) from the spindle. The weight of the wheel assembly is 330 lb. (149 kg).



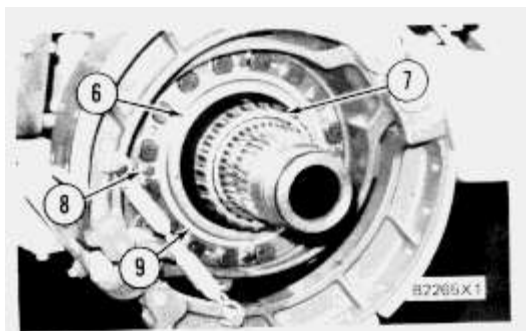
2. Remove Duo-Cone seal (2) from the wheel assembly.



3. Remove bolts (3) and locks. Use two persons to remove brake drum (4) from the wheel assembly. The weight of the brake drum is 100 lb. (45 kg).



4. Remove bearing cups (5) from the wheel assembly.



5. Remove bearing cone (7) from the spindle.

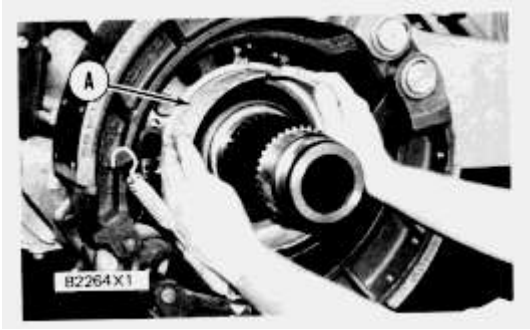
6. Remove Duo-Cone seal (6) from the retainer.

7. If necessary, remove locks, bolts and bars (8). Remove retainer (9) from the spindle. Remove the O-ring seal from the back of the retainer.

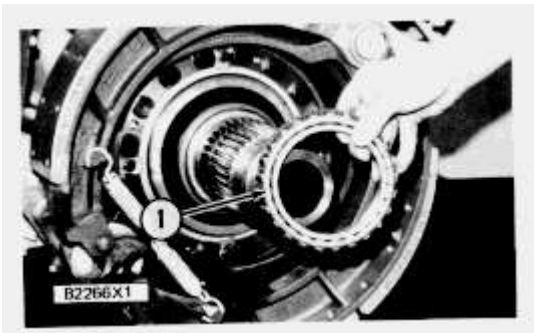
## Install Wheels, Bearings And Duo-Cone Seals

Tools Needed		A	B
8M7911	Installer	1	
FT522	Bracket		1

1. If retainer was removed, install O-ring seal on the back of the retainer. Put retainer in position on the spindle and install the bars, locks and bolts that hold it.



2. Make sure the rubber torus seals are clean and dry. Make sure all metal surfaces that make contact with the rubber torus seals are clean and dry. Use tool (A) to install the Duo-Cone seal in the retainer. Put a small amount of clean SAE 30 oil on the surfaces of the metal seals that make contact with each other.



3. Install bearing cone (1) on the spindle.



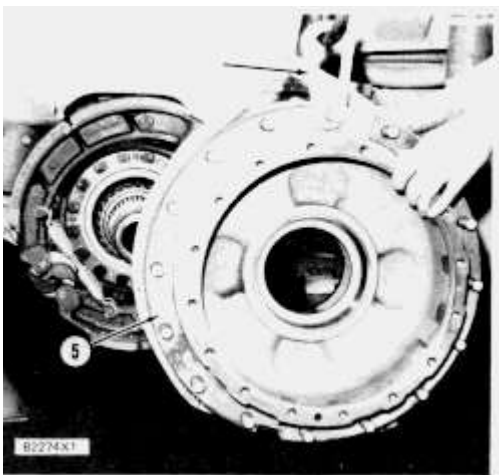
4. Lower the temperature of the bearing cups. Install bearing cups (2) in the wheel assembly.



5. Use two persons to install brake drum (4) on the wheel assembly. Install locks and bolts (3).



**6.** Make sure rubber torus seals are clean and dry. Make sure all metal surfaces that make contact with the rubber torus seals are clean and dry. Use tool (A) to install the Duo-Cone seal in the wheel assembly. Put a small amount of clean SAE 30 oil on the surfaces of the metal seals that make contact with each other.



**7.** Fasten tool (B) and a hoist to the wheel assembly. Put wheel assembly (5) in position on the spindle.

end by:

**a)** install final drive ring gears and hubs

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