

Product: WHEEL LOADER
Model: 992 WHEEL LOADER 25K
Configuration: 992 WHEEL LOADER 25K00001-00698 (MACHINE)

Disassembly and Assembly 992 WHEEL LOADER POWER TRAIN

Media Number -REG00919-00

Publication Date -01/04/1971

Date Updated -21/07/2004

REG009190006

Brake Linings And Expander Tubes

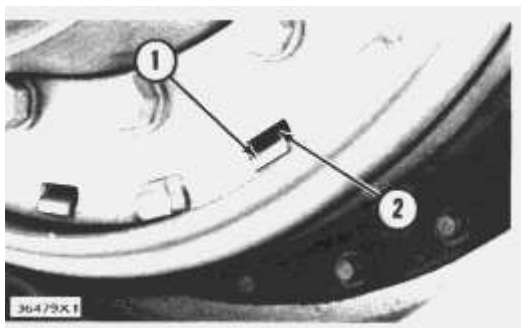
SMCS - 4254-11; 4254-12; 4270

Remove Brake Linings And Expander Tubes

Tools Required		A
1S790	Spring Inserter	1

preparatory step:

a) remove tires and wheel assemblies

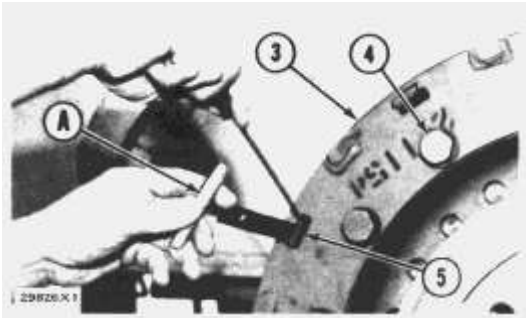


NOTE: Brake lining wear can be checked without removing the tire and wheel assembly. Apply the brakes and observe the position of edge (2) of the brake shoe. Maximum permissible lining wear is indicated when edge (2) of shoe contacts face (1) of retracting spring. However, linings should always be replaced before this point is reached.

1. Remove the brake linings from the frame assemblies as follows:

NOTICE

When removing brake linings and frame assemblies, be careful not to get dirt or other contaminants on wheel outer bearing cone and Duo-Cone seal.



- a) Place a screwdriver against the hook of retracting spring (5), and insert the spring inserter (A) between the hook of spring and the frame assembly.
- b) Using the screwdriver, drive the spring through the frame assembly and out the opposite side.
- c) Lift the brake lining out of frame assembly.

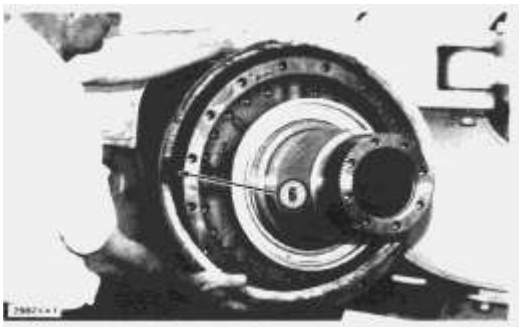
NOTICE

Always reline with full sets of linings only, and install each new lining with a new retracting spring. In most cases, it is advisable to replace expander tubes when replacing linings.

- 2. Remove the mounting bolts (4) from each side of frame assemblies (3), and remove the two frame assemblies.
- 3. Remove the expander tube as follows:



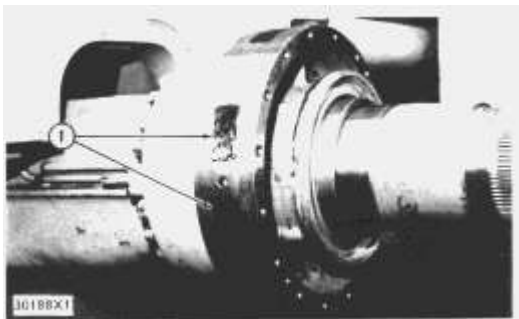
- a) Using two pry bars, raise the expander tube until nozzle (6) clears the hole in spindle.
- b) Slide the tube off the spindle as far as possible.



c) Pull the second nozzle (6) out of spindle, and remove the expander tube.

Install Brake Linings And Expander Tubes

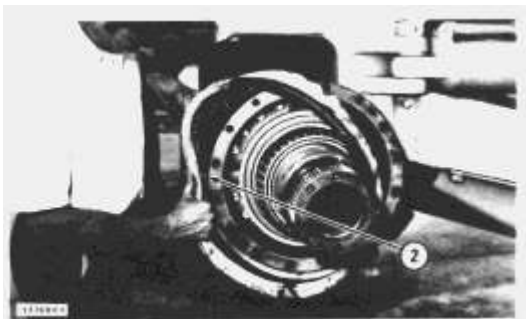
Tools Required		A
1S790	Spring Inserter	1



1. Thoroughly clean the outside diameter and the nozzle holes in spindle. Apply a thin coat of 7F2770 Rubber Cement to the inside of expander tube and to outside of spindle at four locations. The cement (1) should be applied 1 in. (2,5 cm) from nozzles and nozzle holes in a pattern 2 in. (5 cm) wide by 4 in. (10 cm) long as shown.

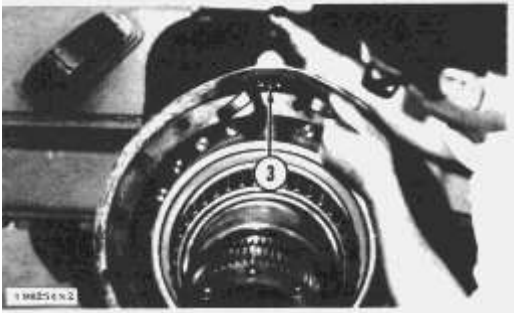
NOTE: The surface of expander tube and spindle must be clean, dry, and free of dust. The cement must be applied at a temperature above 65°F (18°C) and should be allowed to dry until it becomes tacky but does not transfer to the hand when touched.

2. Install the expander tube as follows:



a) Install and lubricate the O-ring seals on expander tube nozzles. Carefully insert the nozzle (2) in the spindle.

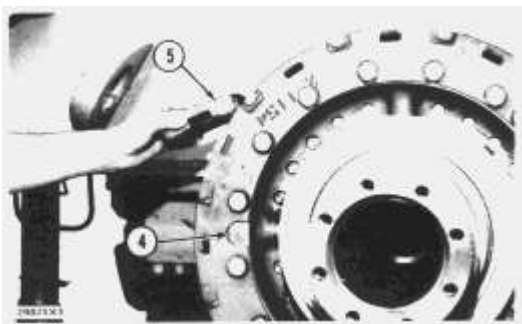
b) Position the top nozzle on top of spindle. Using two bars, slide expander tube in place until nozzle is near hole in the spindle.



c) Reposition the two bars to raise nozzle (3). Slide the expander tube until nozzle is directly over the hole. Carefully remove the bars, and seat the nozzle into the hole.

d) Using the hand, firmly apply pressure at the four cemented locations to properly seat the expander tube to the spindle.

3. Position the brake frame assemblies on spindle, and install mounting bolts. Tighten bolts to 375 ± 35 lb. ft. ($51,9 \pm 4,8$ mkg).



NOTE: The brake frame assemblies should be installed with notches (4) in the 3 o'clock and 9 o'clock positions for the right rear and right front. Notches should be 6 o'clock and 12 o'clock positions on left rear and left front frame assemblies.

4. Position the lining (5) in frame assembly. Using spring inserter (A) and a soft hammer, install the new retracting spring. Repeat procedure until all linings are installed.

concluding steps:

a) install tires and wheel assemblies

b) bleed brake system (See BRAKE SYSTEM BLEEDING in TESTING AND ADJUSTING)

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REG009190007

Wheel Bearings And Duo-Cone Seals

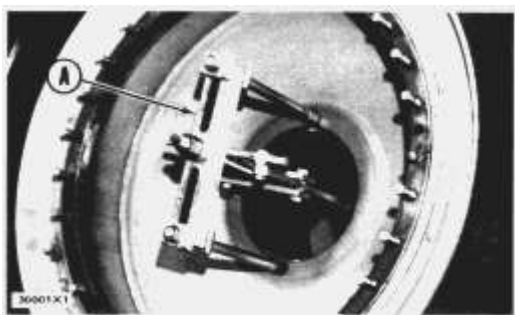
SMCS - 4204-11; 4204-12; 4209

Remove Wheel Bearings And Duo-Cone Seals

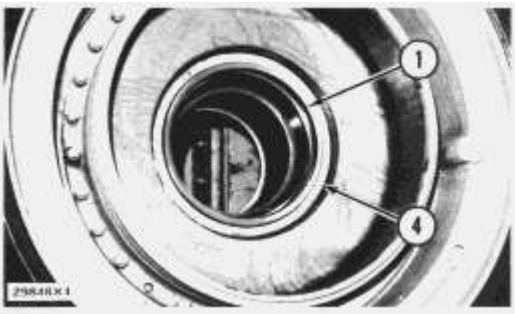
Tools Required		A	B
8B7548	Push-Puller	1	
1H3112	Bearing Cup Pulling Attachment	1	1
1H3107	Push-Puller		1
1H3108	Leg		2

preparatory step:

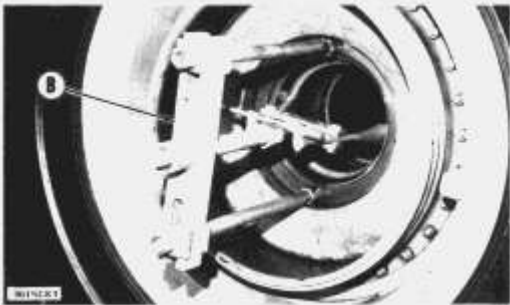
a) remove tires and wheel assemblies



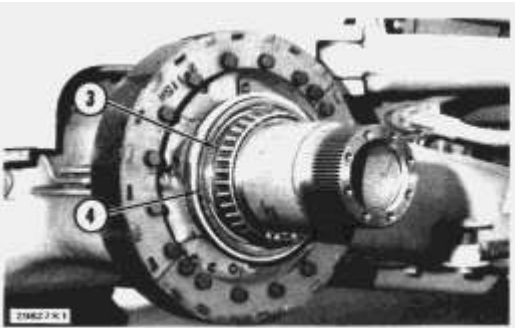
1. Install tool setup (A), and remove the wheel outer bearing cup.



2. Remove the outer metal floating ring seal (1).
3. Install two 3/8"-16NC forcing screws in seal retainer (2), and separate the retainer from wheel.



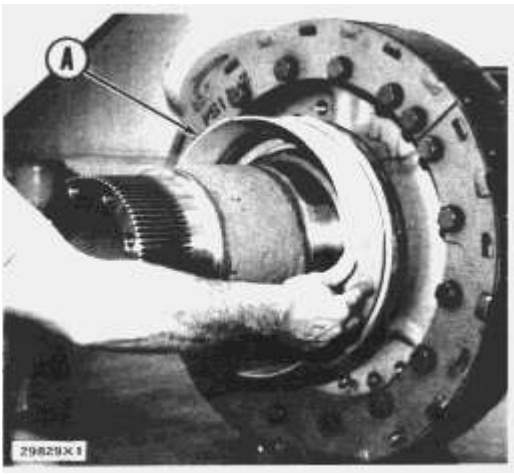
4. Using tool setup (B), remove the wheel inner bearing cup.



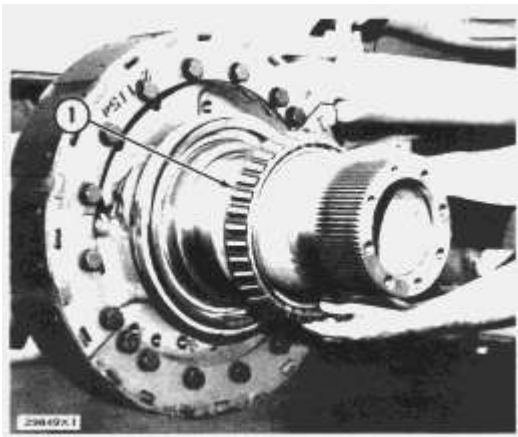
5. Remove the wheel inner bearing cone (3) from the spindle.
6. Remove the metal floating ring seal (4) from the spindle.

Install Wheel Bearings And Duo-Cone Seals

Tools Required		A
8M7913 Duo-Cone Seal Installer		1



1. Using seal installer (A), install the metal floating ring seal on spindle.



2. Install the wheel, inner bearing cone (1) on the spindle.

3. Install the bearing cups in the wheel.



4. Position the seal retainer (2) in wheel with dowels in retainer, aligned with dowel holes (3) in wheel.

5. Using seal installer (A), install the metal floating ring seal in the wheel.

concluding step:

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