

Product: WHEEL SCRAPER

Model: 621E WHEEL SCRAPER 6BB

Configuration: 621E TRACTOR-SCRAPER / POWER SHIFT / 6BB00001-01234 (MACHINE) POWERED BY 3406 ENGINE

Disassembly and Assembly 621E, 623E, & 627E TRACTORS POWER TRAIN

Media Number -SEN3303-01

Publication Date -01/02/1991

Date Updated -10/03/2010

SEN33030005

Brake Shoes And Brake Drums

SMCS - 4252-011; 4252-012; 4253

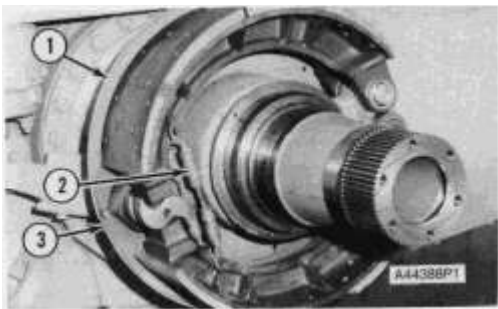
Remove Brake Shoes And Brake Drums

Tools Needed		A
1P541	Brake Spring Pliers	1

Start By:

a. remove final drive gears and hubs

1. Remove the tire and wheel. See the topic, Remove Tire and Wheel, Wheel Bearings and Duo-Cone Seals.



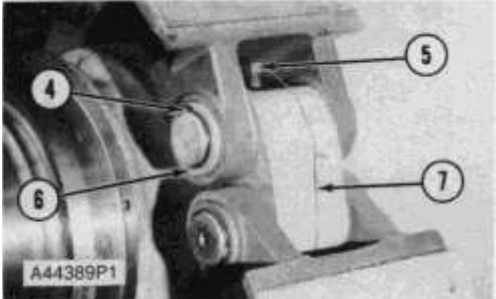
2. Remove shield (1) and shield (3).



Both brake springs are under tension. Wear safety glasses or goggles when removing these springs. Use only the correct tooling for this

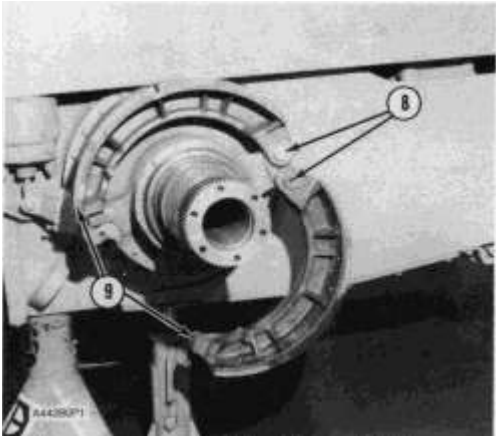
procedure, do not substitute. Check tooling (A) for any wear or damage. Do not attempt to remove brake springs with damaged tooling.

3. Remove springs (2) with tool (A).



4. Remove lockwire (7) and two bolts (5).

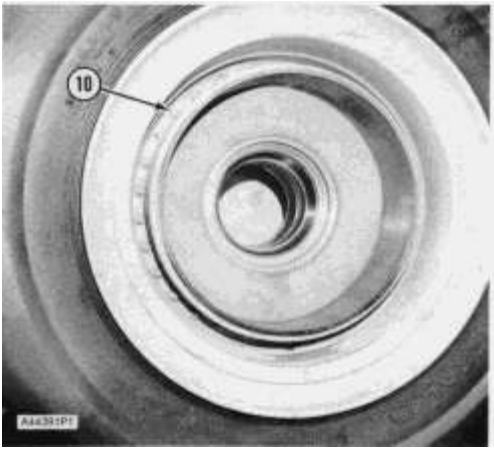
5. Remove spring (4), retainer (6) and the felt washer from one side of each pin.



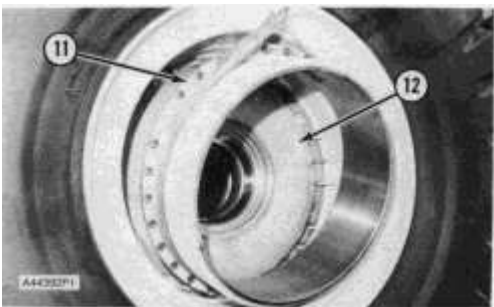
6. Remove two pins (8) and brake shoes (9). The weight of each brake shoe is **21 kg (46 lb.)**.

NOTICE

Remove the Duo-Cone seal from the wheel assembly before the brake drum is removed. The brake drum can cause damage to the Duo-Cone seal when it is removed.



7. Remove nuts (10) and lockwashers that hold the brake drum in position.

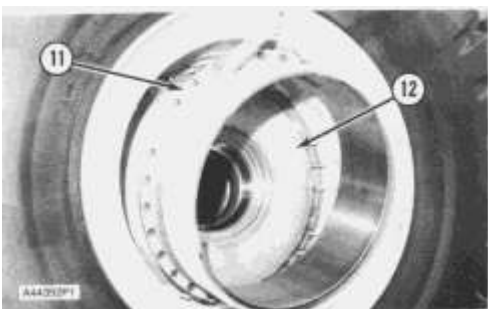


8. Fasten a hoist to brake drum (11) and remove it from the wheel assembly. Weight of the brake drum is **54.7 kg (120 lb)**.

9. Remove guard (12) from the wheel assembly.

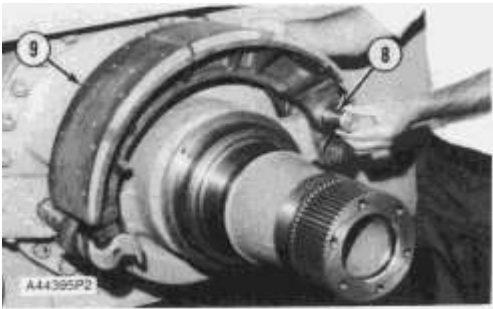
Install Brake Shoes And Brake Drums

Tools Needed		A
1P541	Brake Spring Pliers	1

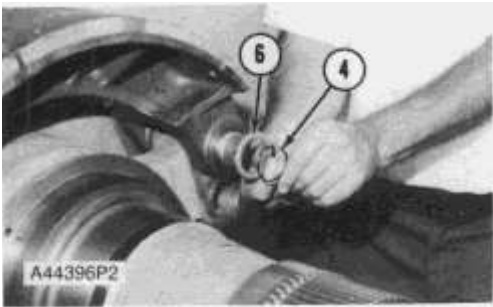


1. Put guard (12) in position in the wheel assembly.

2. Fasten a hoist to brake drum (11) and put it in position in the wheel assembly. Install the washers and nuts that hold it. Tighten the nuts to a torque of **120 ± 7 N·m (90 ± 5 lb ft)**.



3. Put upper brake shoe (9) in position on the axle housing. Install pin (8) that holds the brake shoe in position.



4. Install the felt washers, retainer (6) and spring (4).

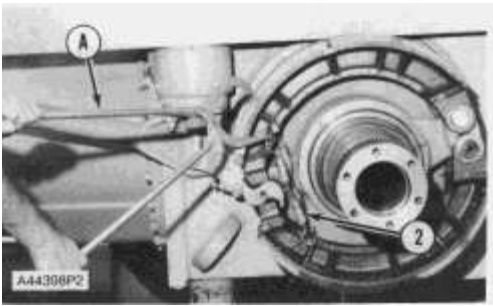
5. Install the lower brake shoe as in Steps 3 and 4.



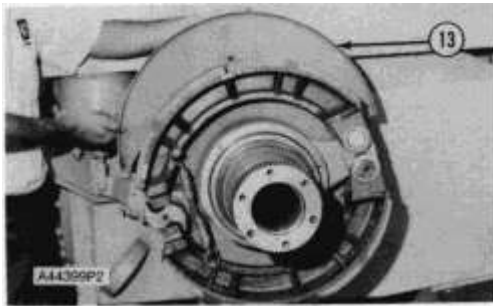
6. Install two bolts (5) and lockwire (7) that hold pins (8) in position.



Both brake springs are under tension. Wear safety glasses or goggles when installing these springs. Use only the correct tooling for this procedure, do not substitute. Check tooling (A) for any wear or damage. Do not attempt to install brake springs with damaged tooling.



7. Install two springs (2) as shown with tool (A).



8. Install two shields (13).

9. Install the Duo-Cone seal in the wheel assembly. Install the tire and wheel. See the topic, Install Tire and Wheel, Wheel Bearings and Duo-Cone Seals.

End By:

a. install final drive gears and hubs

Product: WHEEL SCRAPER

Model: 621E WHEEL SCRAPER 6BB

Configuration: 621E TRACTOR-SCRAPER / POWER SHIFT / 6BB00001-01234 (MACHINE) POWERED BY 3406 ENGINE

Disassembly and Assembly 621E, 623E, & 627E TRACTORS POWER TRAIN

Media Number -SEN3303-01

Publication Date -01/02/1991

Date Updated -10/03/2010

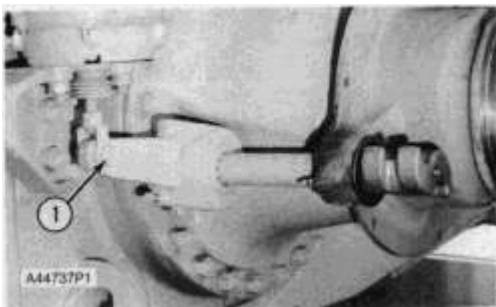
SEN33030006

Brake Camshafts And Slack Adjusters

SMCS - 4261-011; 4261-012

Remove Brake Camshaft And Slack Adjuster

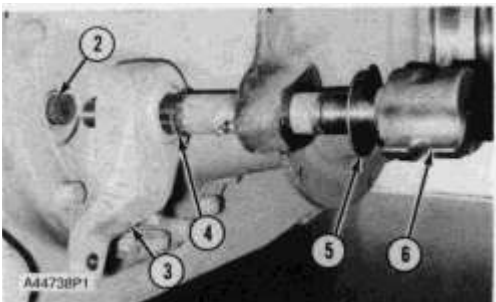
1. Remove the tire and wheel. See the topic, Remove Tires and Wheels, Wheel Bearings and Duo-Cone Seals.



NOTE: The brake shoes are removed for better photo illustration of the brake camshaft and slack adjuster.

2. Put small wood blocks between the brake shoes and axle housing before the brake camshaft and slack adjuster is removed. The wood blocks will hold the brake shoes in position.

3. Remove pin (1) to disconnect the adjuster assembly from the brake rotachamber.



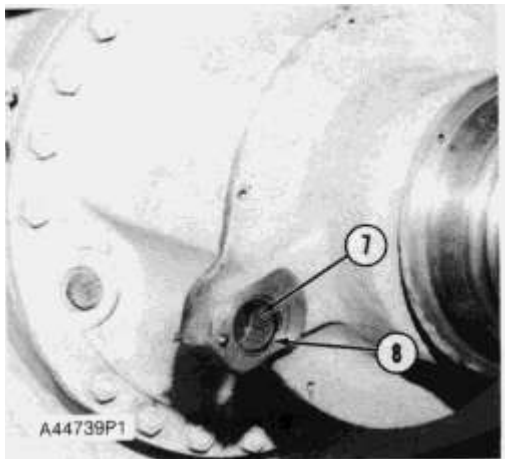
4. Remove ring (4) from the groove in the camshaft, and remove the washer.

5. Pull camshaft (6) out of the axle housing as shown.

NOTE: Oil will drain out of location (2) when the camshaft is pulled out of the differential case and axle housing.

6. Remove the camshaft and slack adjuster (3).

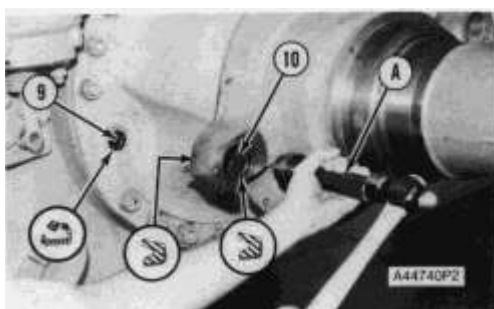
7. Remove washer (5) from the camshaft.



8. Remove three seals (8) and two bearings (7) from the axle housing.

Install Brake Camshaft And Slack Adjuster

Tools Needed		A
1P510	Driver Group	1

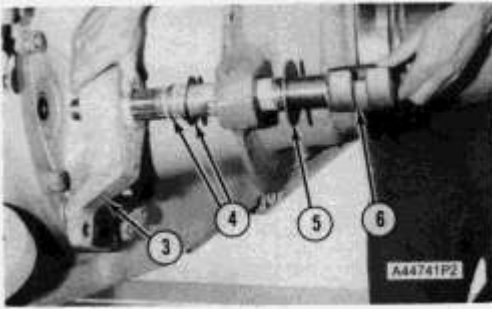


1. Install bearing (9) in the axle housing with tool (A).

2. Install the lip type seal in the axle housing with tooling (A). Install the seal with the lip of the seal toward the differential case as shown.

3. Install bearing (10) in the axle housing with tooling (A). Install the bearing until it is **7.14 mm (.281 in.)** below the outside surface of the axle housing.

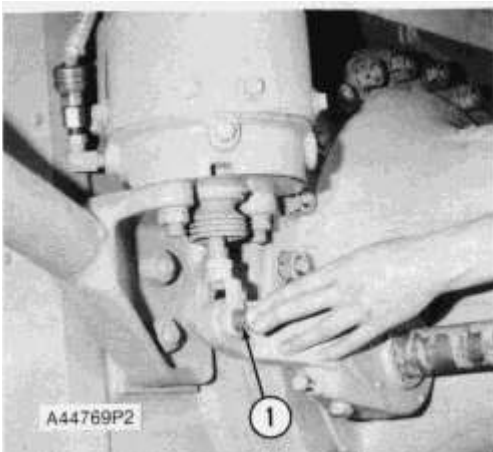
4. Install the two lip type seals on each side of bearing (10) with tooling (A). Install the seals even with the outside surface of the axle housing and with the lips of the seals toward the differential case as shown.



5. Install washer (5) on camshaft (6). Slide the camshaft through the axle housing and install the washer and ring (4) on the camshaft.

6. Put slack adjuster (3) in position on the camshaft and install the end of the camshaft in the axle housing.

7. Put ring (4) in the groove on the camshaft.



8. Put the slack adjuster in position in the rod of the brake rotochamber. Install pin (1) and the cotter pin.

9. Install the tires and wheels. See the topic, Install Tire and Wheels, Wheel Bearings and Duo-Cone Seals.



Download the full PDF manual instantly.

Our customer service e-mail:

aservicemanualpdf@yahoo.com