



Service Repair Manual

Models

120H Motor Grader

Product: MOTOR GRADER

Model: 120H MOTOR GRADER 2AN

Configuration: 120H Motor Grader 2AN00001-UP (MACHINE) POWERED BY 3116 Engine

Disassembly and Assembly 120H & 135H MOTOR GRADERS POWER TRAIN

Media Number -SEN8543-02

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SEN85430004

Brake & Wheel Spindle Housings

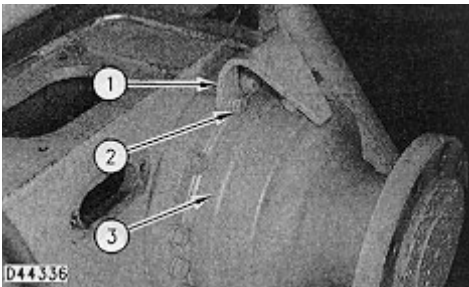
SMCS - 4002-015; 4002-016; 4002-011; 4002-012

Remove Brake & Wheel Spindle Housings

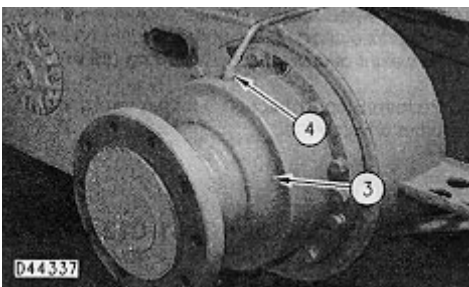
Tools Needed	A
5P-9736 Lifting Link	1

Start By:

a. remove drive chains



1. Remove two bolts (2), the washers and guard (1) from brake and wheel spindle housing (3).

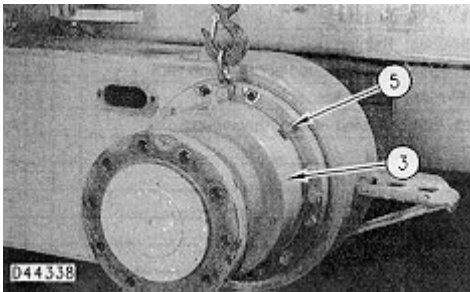




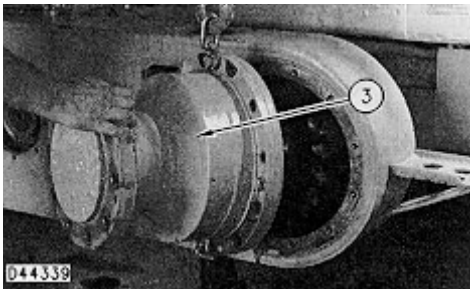
WARNING

Do not disconnect any air line to the machine until the air pressure in the air tank is to zero. Release the air pressure in the air tank by opening the bleed valves. The bleed valves are on the air tank underneath the rear bumper. Close the bleed valves.

2. Disconnect air line (4) from brake and wheel spindle housing (3). Disconnect the other end of the air line from the block on the tandem housing.



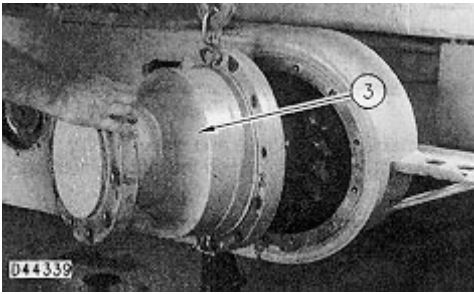
3. Attach Tool (A), a lifting chain and a hoist to brake and wheel spindle housing (3).
4. Remove bolts (5) and the washers from brake and wheel spindle housing (3).



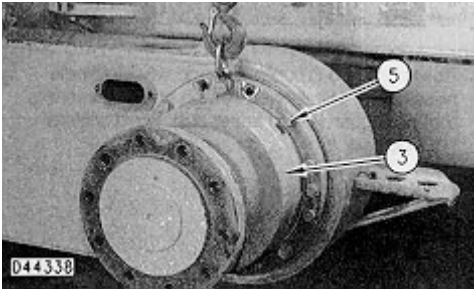
5. Remove brake and wheel spindle housing (3) from the tandem housing. The weight of brake and wheel spindle housing (3) is **159 kg (350 lb)**.
6. Repeat Steps 1 through 5 in order to remove the remaining brake and wheel spindle housing.

Install Brake & Wheel Spindle Housings

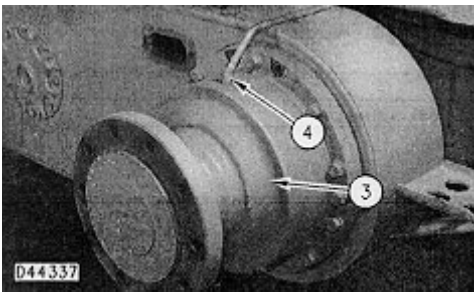
Tools Needed		A
5P-9736	Lifting Link	1



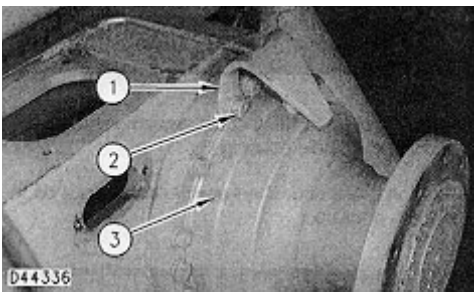
1. Attach Tool (A), a lifting chain and hoist to brake and wheel spindle housing (3).
2. Position brake and wheel spindle housing (3) on the tandem housing.



3. Install bolts (5) and the washers that hold brake and wheel spindle housing (3) to the tandem housing.
4. Remove the hoist, chain and Tooling (A) from the tandem housing.



5. Install air line (4) on brake and wheel spindle housing (3) and the block on the tandem housing.



6. Position guard (1) on brake and wheel spindle housing (3). Install two bolts (2) and the washers that hold guard (1) to brake and wheel spindle housing (3).

End By:

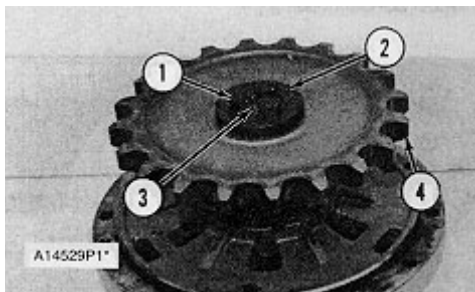
- a. install drive chains

Disassemble Brake & Wheel Spindle Housings

Tools Needed	A	B	C
7M-3976 Adapter	1		
8H-0684 Ratchet Box Wrench		1	
8B-7554 Bearing Cup Pulling Attachment		1	
8B-7548 Puller Assembly		1	
8B-7551 Bearing Pulling Attachment			1
5F-7369 Leg			2
8B-7555 Adapter			2
1P-0820 Puller Group			1
8B-7560 Step Plate			1
9U-6600 Pump Group			1

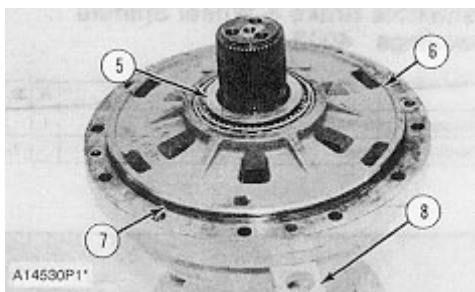
Start By:

a. remove brake and wheel spindle housings.



1. Remove wire (3) from bolts (1). Remove bolts (1). Remove the retainer (2) and shims that are under retainer (2).

2. Remove sprocket (4). The weight of sprocket is **16 kg (36 lb)**.



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