



Service Repair Manual

Models

140G Motor Grader

Product: MOTOR GRADER

Model: 140G MOTOR GRADER 5MD

Configuration: 140G Motor Grader 5MD00001-UP (MACHINE) POWERED BY 3306 Engine

Disassembly and Assembly

12G, 120G, 130G & 140G MOTOR GRADERS POWER TRAIN

Media Number -SEN3649-00

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SEN36490004

Brake And Wheel Spindle Housings

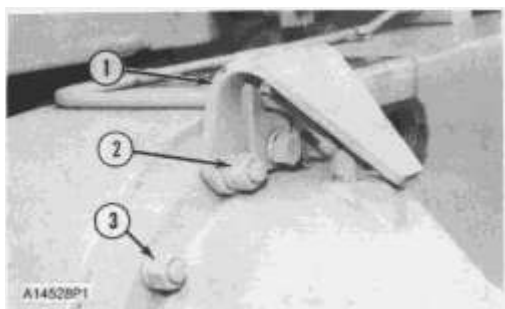
SMCS - 4205-015; 4205-016; 4205-011; 4205-012; 4251

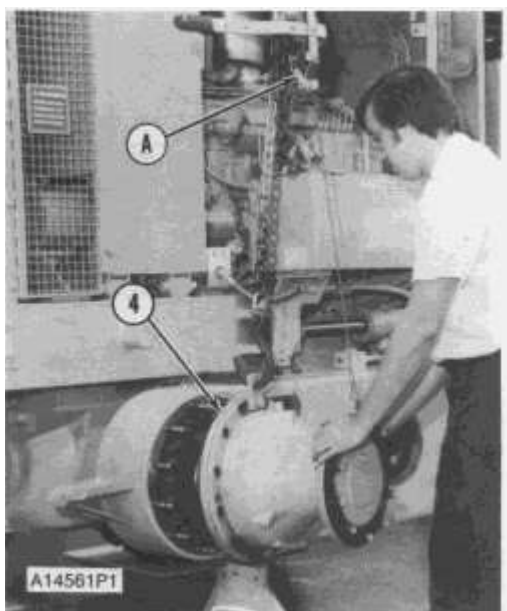
Remove Brake And Wheel Spindle Housings

Tools Needed		A
8S9906	Ratchet Assembly	1

Start By:

a. remove drive chains





1. Release the air pressure in the air tank by loosening the bleed valves.



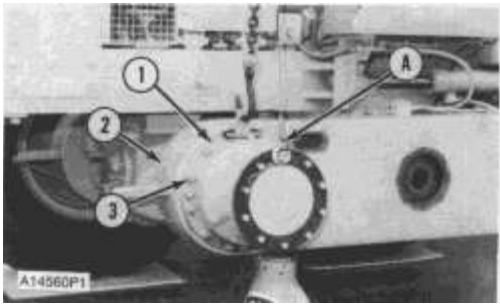
WARNING

Do not disconnect the air line to the brake and wheel spindle housing until the air pressure is zero.

2. Remove two nuts (2), the washers and guard (1) from the housing.
3. Disconnect the air line from the housing and the block on the tandem housing. Remove the air line.
4. Fasten a hoist and tooling (A) to the plate on the brake and wheel spindle housing and to the stud on the wheel spindle.
5. Remove nuts (3) and the washers that hold the brake and wheel spindle housing to the tandem housing. Remove brake and wheel spindle housing (4). Weight is 159 kg (350 lb.).

Install Brake And Wheel Spindle Housings

Tools Needed		A
8S9906	Ratchet Assembly	1



1. Fasten a hoist and tooling (A) to brake and wheel spindle housing. Put brake and wheel spindle housing (1) in position on the studs in tandem housing (2).
2. Install the nuts (3) and the washers that hold the brake and wheel spindle housing to the tandem housing.
3. Remove the hoist and tooling (A). Install the air line on the brake and wheel spindle housing and the block on the tandem housing. Install the guard on the housing. Install the two nuts and the washers that hold it.

End By:

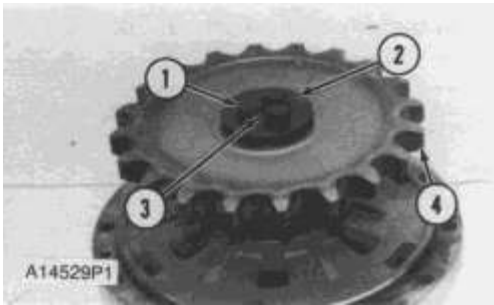
- a. install drive chains

Disassemble Brake And Wheel Spindle Housings

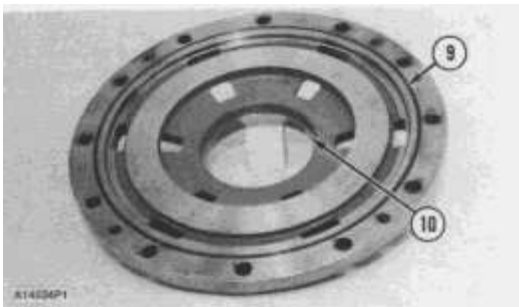
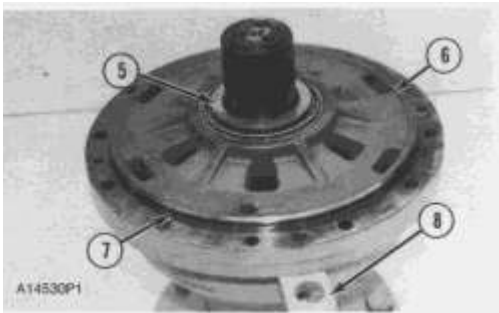
Tools Needed		A	B	C
8B7554	Bearing Cup Pulling Attachment		1	
8H684	Ratchet Box Wrench		1	
7M3976	Adapter	1		
8B7548	Puller Assembly		1	
8B7551	Bearing Pulling Attachment			1
5F7369	Leg			2
8B7555	Adapter			2
1P820	Puller Group			1
8B7560	Step Plate			1
9S5800	Pump Group			1

Start By:

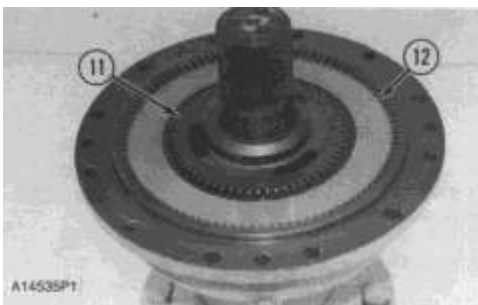
- a. remove brake and wheel spindle housings



1. Remove wire (3) from the bolts. Remove bolts (1). Remove retainer (2) and the shims that are under the retainer.
2. Remove sprocket (4). Weight is 16 kg (36 lb.).



3. Remove bearing cone (5) from the spindle and cover (6). Remove O-ring seal (7) from cover (6).
4. Remove the bolts and plate (8) that hold cover (6) to the housing. Install two 5/8" - 11 NC forged eyebolts in the cover. Fasten a hoist to the eyebolts and remove the cover. Weight is 23 kg (50 lb.). Remove bearing cup (10) from the cover.
5. Remove O-ring seal (9) from the cover.



6. Remove hub (11) from the wheel spindle.

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