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FOR USE IN SERVICE MANUAL: D4D TRACTOR (SA), REG00784

Disassembly & Assembly

D4D Tractor Power Train

INTRODUCTION

This publication has instructions and procedures for the subject on the front cover. The information, specifications, and illustrations in this publication are on the basis of information that was current at the time this issue was written.

The "Alphabetical Index" is a list of all components and service operations in this manual section. It gives page numbers and also the operations numbers as found in the "Service Index".

The "Service Index" is a list of all component operations found in this manual section. All operations in the column "Component Operation" are removal and installation instructions, unless other descriptions are given for the operation. The arrangement of the components in this list is by location on the machine or engine. The column "Other Needed Operations" gives the number of all other component operations that are necessary to do the respective job.

Correct operation, maintenance, test and repair procedures will give this product a long service life. Before starting a test, repair or rebuild job, the serviceman must read the respective sections of the Service Manual, and know all the components he will work on.

Your safety, and the safety of others, is at all times very important. When you see this symbol or this symbol in the manual, you must know that caution is needed for the procedure next to it. The symbols are warnings. To work safely, you must understand the job you do. Read all instructions to know what is safe and what is not safe.

It is very important to know the weight of parts. Do not lift heavy parts by hand. Use a hoist. Make sure heavy parts have a good stability on the ground. A sudden fall can cause an accident. When lifting part of a machine, make sure the machine has blocks at front and rear. Never let the machine hang on a hoist, put blocks or stands under the weight.

When using a hoist, follow the recommendation in the manual. Use correct lift tools as shown in illustrations to get the correct balance of the component you lift. This makes your work safer at all times.

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REMOVE TRACK CARRIER ROLLERS

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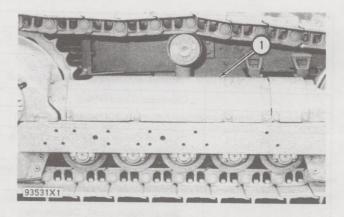
WARNING: The adjuster cylinder for the track is under high hydraulic pressure. Do not visually inspect the relief valve to see if grease is being released. Check the adjuster cylinder to see that it moves to the rear into the front pilot for the recoil springs. Use this warning any time that the track is loosened or tightened.

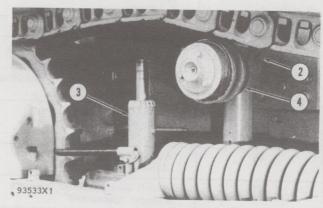
- 1. Loosen the track. Remove guard (1) from the track roller frame.
- 2. Put hydraulic jack (3) and block in position under the track. Lift the track off of the track carrier roller.
- 3. Remove four bolts (2).
- 4. Remove the track carrier roller (4).

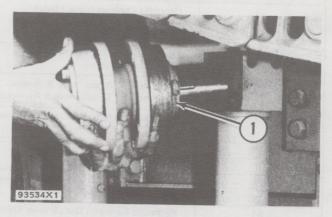
INSTALL TRACK CARRIER ROLLERS

12-4154

- 1. Put the track carrier roller (1) in position in the bracket.
- 2. Install the four bolts in the bracket.
- 3. Remove the hydraulic jack and block.
- 4. Make an adjustment to the track. See TRACK ADJUSTMENT in LUBRICATION AND MAINTENANCE GUIDE.







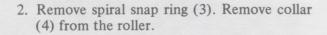
DISASSEMBLE TRACK CARRIER ROLLERS

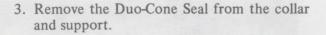
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	Tools Needed	A	В
1P2321	Puller	1	
8B7560	Step Plate	1	
8B7548	Puller Assembly		1
8H663	Bearing Pulling Attachment		1
8H684	Ratchet Box Wrench		1
9S9155	Spacer		1

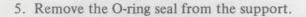


- a) remove track carrier rollers
- 1. Loosen bolts (1) and remove bracket (2) from the shaft.

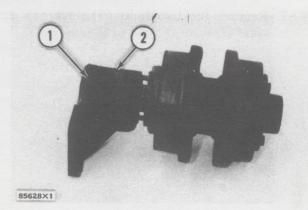


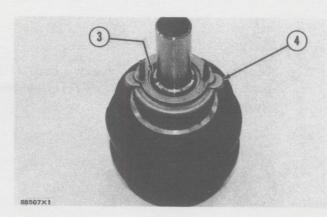


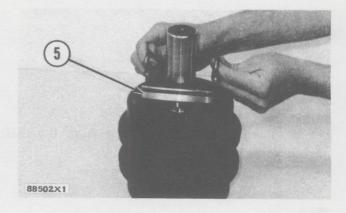
4. Install two 1/4"-20NC forged eyebolts in support (5). Remove the support from the roller.

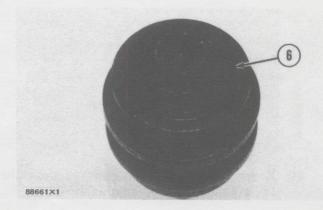


6. Remove the three bolts that hold cover (6) to the roller. Remove the cover from the roller. Remove the O-ring seal from the cover.

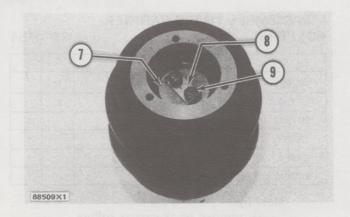




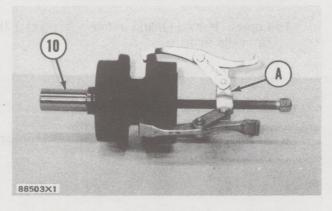




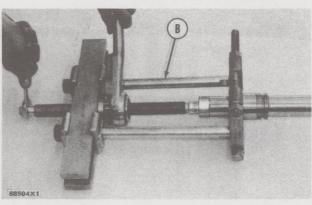
7. Remove the two bolts (9), lock (8), and plate (7) from the end of the shaft.



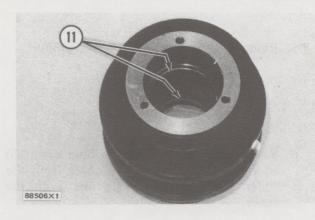
8. Install tooling (A) and remove shaft (10) from the roller. Remove the O-ring seal from the shaft.

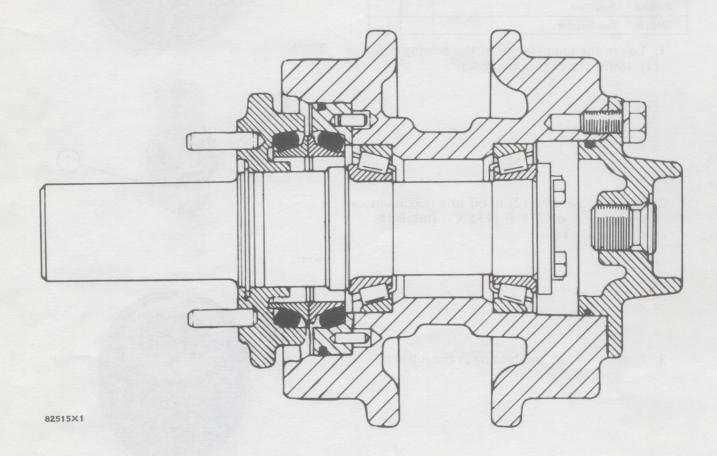


9. Remove the bearing cone from the shaft with tooling (B).



10. Remove the two bearing cups (11) from the roller with a hammer and punch.





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TRACK CARRIER ROLLERS

ASSEMBLE TRACK CARRIER ROLLERS

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	Tools Needed	A	В
8B7548	Puller Assembly	1	
8H663	Bearing Pulling Attachment	1	
8H684	Ratchet Box Wrench	1	
5H9976	Screw	1	
8B7560	Step Plate	1	
5M2196	Seal Installer		1

1. Lower the temperature of the bearing cups (1). Install the cups in the roller.

