



Service Repair Manual

Models

966C WHEEL LOADER

Product: WHEEL LOADER

Model: 966C WHEEL LOADER 76J

Configuration: 966C WHEEL LOADER 76J06389-09655 (MACHINE) POWERED BY 3306 ENGINE

Disassembly and Assembly 966 WHEEL LOADER POWER TRAIN

Media Number -REG01117-02

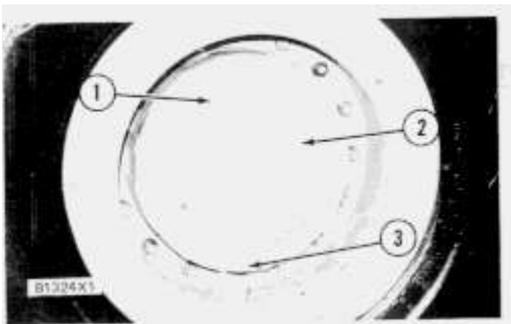
Publication Date -01/04/1992

Date Updated -10/10/2001

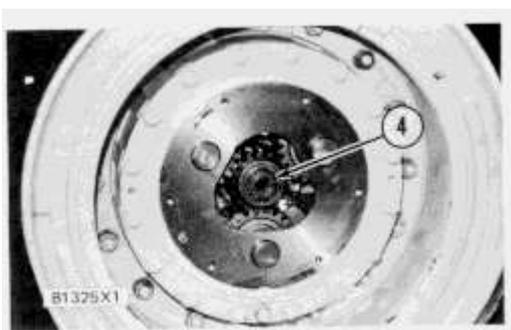
Axles

SMCS - 3259-11; 3259-12

Remove Axles

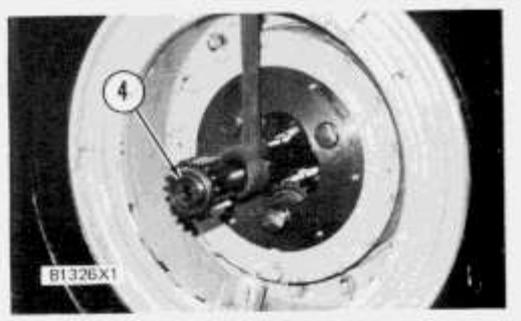


1. Remove plug (3). Drain the oil from the final drive.
2. Remove bolts (1). Remove cover assembly (2) from the final drive planet carrier.

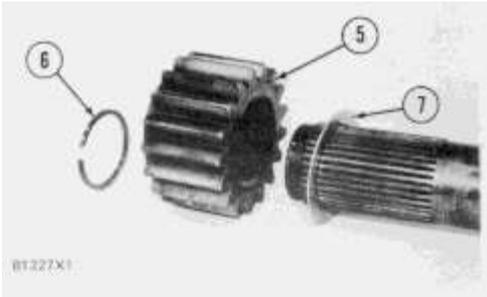


3. Pull axle (4) and gear part way out of the final drive.

NOTE: If the axle can not be removed, move the machine a small amount to the front or rear until the axle can be pulled from the final drive.



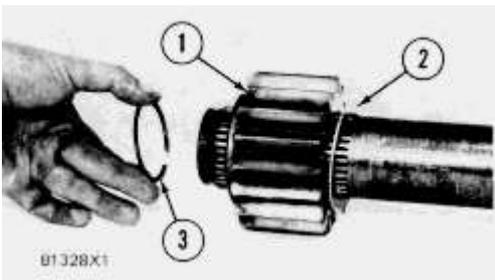
4. Fasten a hoist to the axle. Remove axle (4). The weight of the axle is 55 lb. (25 kg).



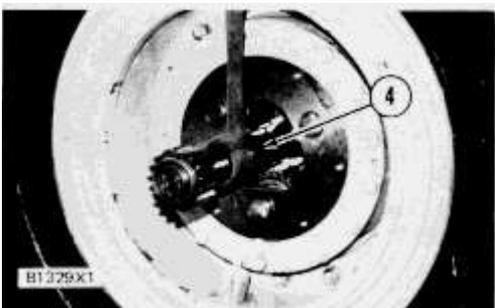
5. Remove retainer ring (6). Remove gear (5) and washer (7) from the axle.

Install Axles

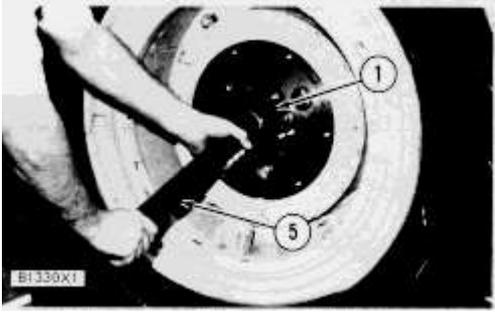
1. Make sure the axles are clean and free of all dirt or foreign material.



2. Put washer (2) [with the steel side next to the gear] and gear (1) in position on the axle. Install retainer ring (3).

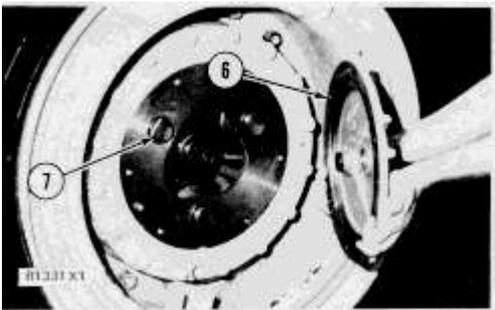


3. Fasten a hoist to the axle. Put axle (4) in position in the final drive.



4. Remove the retainer ring from the axle. Pull gear (1) part way off the axle. Put a piece of pipe (5) which has a 2" (5.1 cm) outside diameter and is approximately 24 in. (61 cm) long in the gear as shown. Push down on the pipe and slide the axle into position.

5. Remove the pipe. Slide gear (1) into position in the final drive planetary. Install the retainer ring on the axle.



6. Turn the flat sides of the three shafts (7) as shown to give clearance for counterbore in cover.

7. Check the O-ring seal in the cover assembly for wear or damage. If necessary, make a replacement.

NOTICE

If the cover does not fit flat up against the final drive without force, remove the cover and do Step 6 again.

8. Install cover assembly (6) on the final drive planetary carrier.

9. Fill the final drive with oil to the correct level. See LUBRICATION AND MAINTENANCE GUIDE.

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Final Drive Planet Carriers

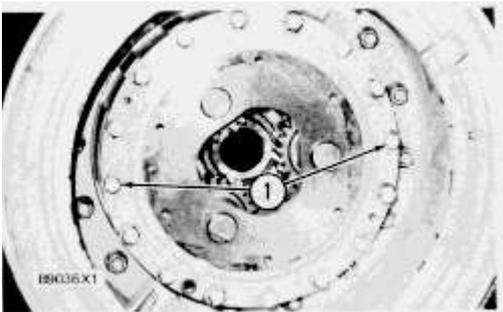
SMCS - 4092-11; 4092-12

Remove Final Drive Planet Carriers

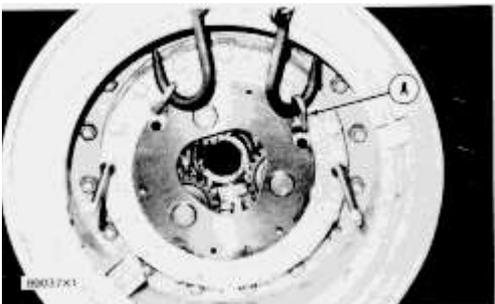
Tools Needed		A
5P9736	Bracket-Link	2

start by:

a) remove axles



1. Remove two bolts (1) (180° apart). Install two 5/8"-11 NC guide bolts in their place.



2. Fasten tooling (A) and a hoist to the final drive planet carrier as shown. Remove the remainder of the bolts that hold the final drive planet carrier to the wheel assembly.

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