



Service Repair Manual

Models

938G II Wheel Loader

Product: WHEEL LOADER

Model: 938G II WHEEL LOADER RTB

Configuration: 938G II Wheel Loader RTB00001-UP (MACHINE) POWERED BY 3126B Engine

Disassembly and Assembly

938G Series II Wheel Loader and IT38G Series II Integrated Toolcarrier Power Train

Media Number -REN6068-03

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Axle Housing - Disassemble

SMCS - 3260-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7573	Link Bracket	2
B	1P-2420	Transmission Repair Stand	1
	FT-0996	Positioning Group	4
	FT-0957	Adapter Group	4
C	1P-1863	Pliers	1
D	4C-8358	Lifting Eyes	3
E	6V-7820	Torque Multiplier	1
	120-9877	Spanner Wrench As ⁽¹⁾	1
	1U-9478	Spanner Wrench As ⁽²⁾	1
F	150-1782	Crossblock	1
	5F-7366	Forcing Screw	1
	3H-0466	Nut	1
	3H-0468	Plate	2
	9U-7692	Threaded Rod	2

(1) For use with M105 bearing nut.

(2) For use with M95 bearing nut.

Start By:

- a. Remove the fixed axle. Refer to Disassembly and Assembly, "Fixed Axle (Front) - Remove and Install".
- b. Remove the oscillating axle. Refer to Disassembly and Assembly, "Oscillating Axle (Rear) - Remove".

Note: The axle housing assemblies that are used in the front fixed axle and in the rear oscillating axle are similar. Therefore, both axle housing assemblies can be removed in the same manner.

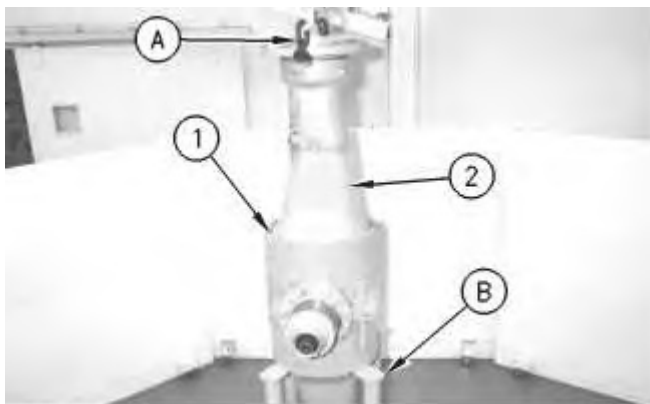


Illustration 1

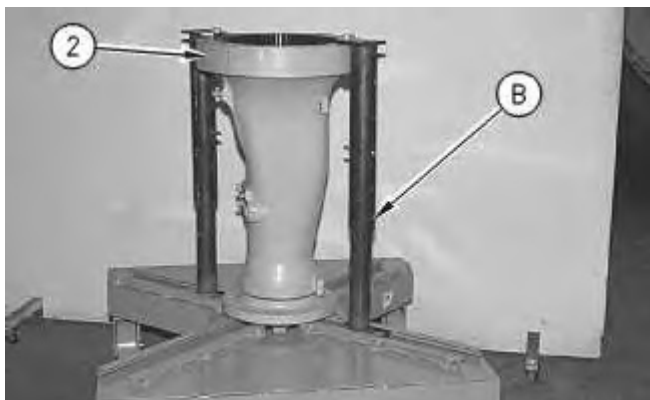
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Typical Example

1. Install the axle housing in a vertical position on Tooling (B).

Note: Carefully remove the axle housing assembly. Part of the wear gauge pin will remain in the axle housing assembly. The pin will remain in the axle housing assembly. The spring and the piston will remain in the differential housing.

2. Fasten Tooling (A) and a hoist to the rim of the axle shaft, as shown. Remove bolts (1) that secure axle housing assembly (2) to the differential housing. Carefully remove the axle housing assembly. The weight of axle housing assembly (2) is 295 kg (650 lb).



3. Remove the bottom half of the axle housing from Tooling (B). Install axle housing assembly (2) on Tooling (B), as shown.

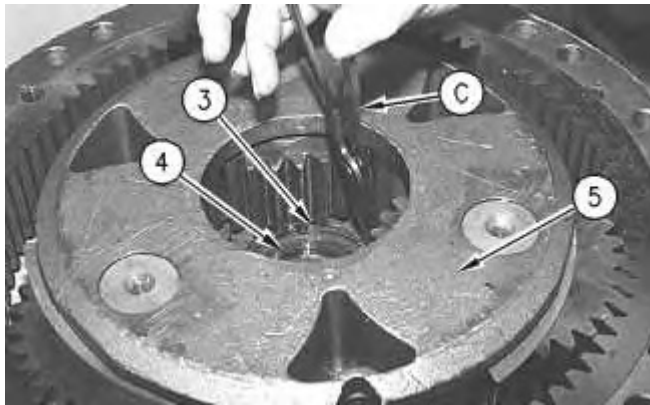


Illustration 3

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Note: To remove retaining ring (3), planetary carrier assembly (5) must be disassembled.

4. Use Tooling (C) to remove retaining ring (3) from axle shaft (4).

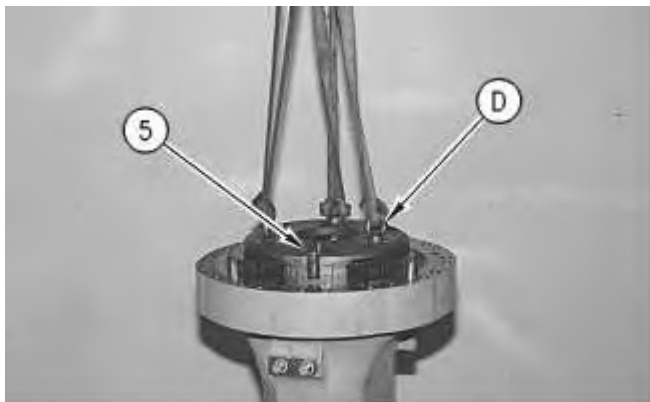


Illustration 4

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5. Install Tooling (D) and suitable lifting slings to planetary carrier assembly (5), as shown.
6. Use a hoist to remove the planetary carrier assembly from the axle housing assembly. The weight of the planetary carrier assembly is 80 kg (175 lb).

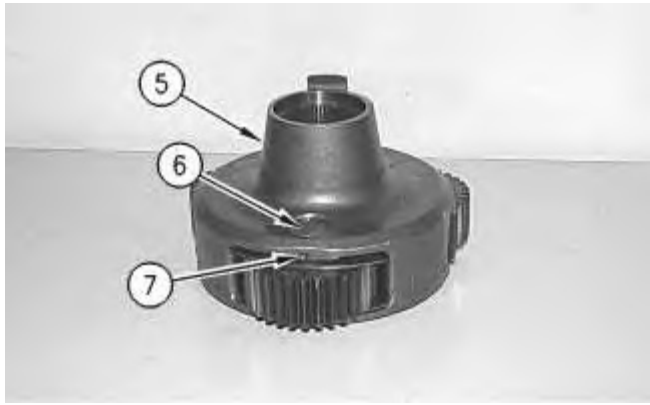


Illustration 5

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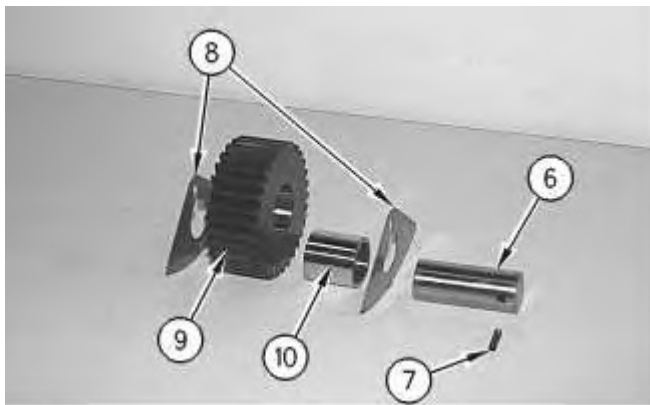


Illustration 6

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7. Use the following steps to disassemble planetary carrier assembly (5):
 - a. Use a hammer and a punch to push spring pin (7) all the way into shaft (6).
 - b. Remove shaft (6), thrust washers , and (8) planetary gear (9) from the carrier.
 - c. Remove bearing (10) from planetary gear (9).
 - d. Use a hammer and a punch to remove spring pin (7) from shaft (6).
 - e. Repeat Steps 7.a through 7.d for the remaining two planetary gears.
 - f. Remove retaining ring (3) from the carrier.

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