



# Service Repair Manual

## **Models**

924G and 924Gz Wheel Loader

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Product: WHEEL LOADER

Model: 924G WHEEL LOADER 9SW

Configuration: 924G and 924Gz Wheel Loader 9SW00001-02428 (MACHINE) POWERED BY 3056 Engine

## Disassembly and Assembly 924G and 924GZ Wheel Loaders Power Train

Media Number -REN3506-05

Publication Date -01/05/2004

Date Updated -09/10/2017

i01738796

## Power Shift Transmission - Disassemble

SMCS - 3030-015

### Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-2420	Transmission Repair Stand	1
B	1U-9759	Jack Stand	1
C	6V-2156	Link Bracket	2
D	4C-6136	Lifting Bracket	1
E	4C-6399	Spring Compressor	1
F	FT-2343	Plexiglass Cover	1
G	1P-2321	Puller	1
H	4C-3652	Spring Compressor	1

#### Start By:

- Separate the engine, and the transmission. Refer to Disassembly and Assembly, RENR3503, "Engine from Torque Converter and Transmission - Separate".

**Note:** Cleanliness is an important factor. Before the disassembly procedure, the exterior of the component should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism.

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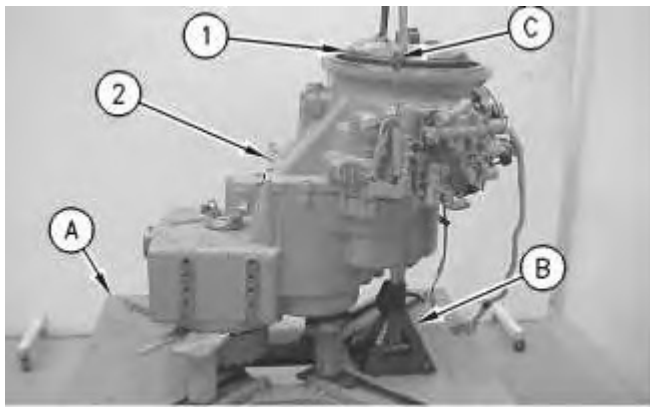


Illustration 1

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1. Use Tooling (C) and a suitable lifting device in order to place the transmission on Tooling (A) and (B), as shown. The weight of the transmission is approximately 500 kg (1100 lb).
2. Remove torque converter (1).
3. Remove bolts (2) and the top transmission case. The weight of the top transmission case is approximately 163 kg (360 lb).

**Note:** Remove the selector and pressure control valve. Install Tooling (F). Refer to Disassembly and Assembly, "Selector And Pressure Control Valve (Transmission)- Remove And Install".

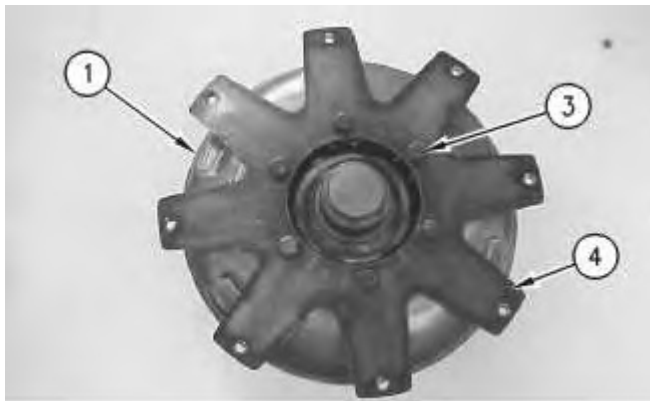


Illustration 2

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4. Remove bolts (3) and flex plate (4) from torque converter (1).



Illustration 3

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5. Remove bolts (5) and plate (6).



Illustration 4

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6. Remove lip type seal (7) and seal (8).

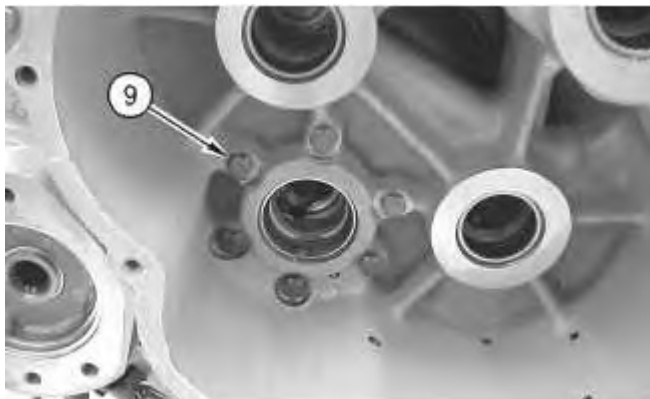


Illustration 5

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7. Remove bolts (9).



Illustration 6

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8. Remove gear assembly (10).

9. Remove O-ring seals (11).



Illustration 7

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10. Remove bolts (12) and gear (13).

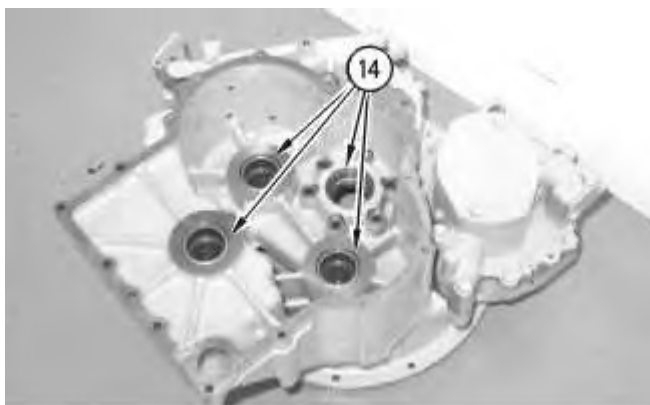


Illustration 8

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11. Remove bearings and race (14).

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