



# Service Repair Manual

## **Models**

924G and 924Gz Wheel Loader

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Product: WHEEL LOADER

Model: 924G WHEEL LOADER RBB

Configuration: 924G 924Gz Wheel Loader RBB00001-UP (MACHINE) POWERED BY 3056E Engine

## Disassembly and Assembly IT28G Integrated Toolcarrier and 924G, 924GZ and 928G Wheel Loaders Power Train

Media Number -REN6422-07

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i02247494

# Transmission and Torque Converter - Disassemble

SMCS - 3001-015

## Disassembly Procedure

Table 1

| Required Tools |             |                                     |     |
|----------------|-------------|-------------------------------------|-----|
| Tool           | Part Number | Part Description                    | Qty |
| A              | 1P-2420     | Transmission Repair Stand           | 1   |
| B              | 180-3033    | Repair Stand Set                    | 1   |
| C              | 138-7574    | Link Bracket                        | 2   |
| D              | 4C-6136     | Lifting Bracket                     | 1   |
| E              | 4C-6399     | Compressor Assembly (Clutch Spring) | 1   |
| F              | FT-2343     | Plexiglass Cover                    | 1   |
| G              | 1P-2321     | Combination Puller                  | 1   |
| H              | 4C-3652     | Compressor Assembly (Clutch Spring) | 1   |

### Start By:

- a. Remove the transmission. Refer to Disassembly and Assembly, "Transmission and Torque Converter - Remove".

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

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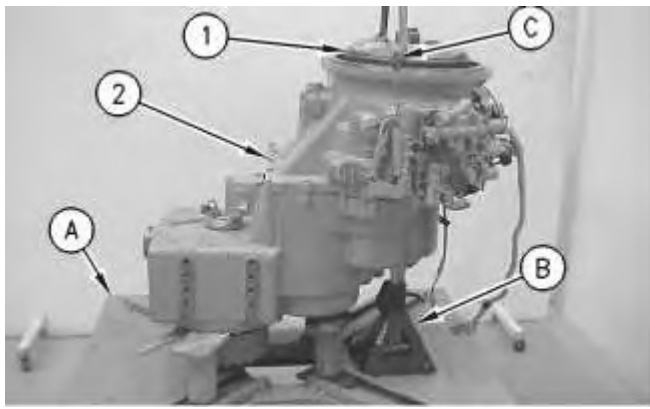


Illustration 1

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1. Use Tooling (C) and a suitable lifting device in order to position transmission (2) on Tooling (A) and (B), as shown. The weight of transmission (2) is approximately 500 kg (1100 lb).
2. Remove torque converter (1).



Illustration 2

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

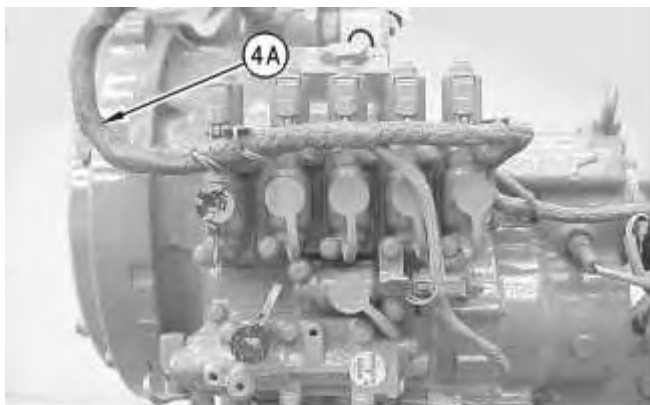


Illustration 3

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4. Disconnect harness assembly (4A) from the valve assembly.

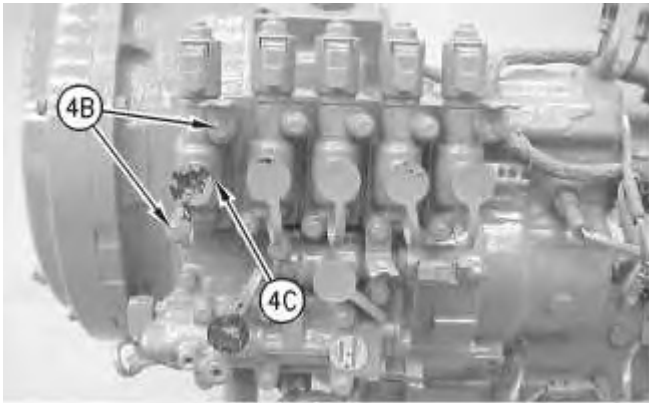


Illustration 4

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**Note:** Mark each valve group for installation purposes.

5. Remove bolts (4B) and remove valve assembly (4C).
6. Repeat Step 5 for the remaining valve assemblies.

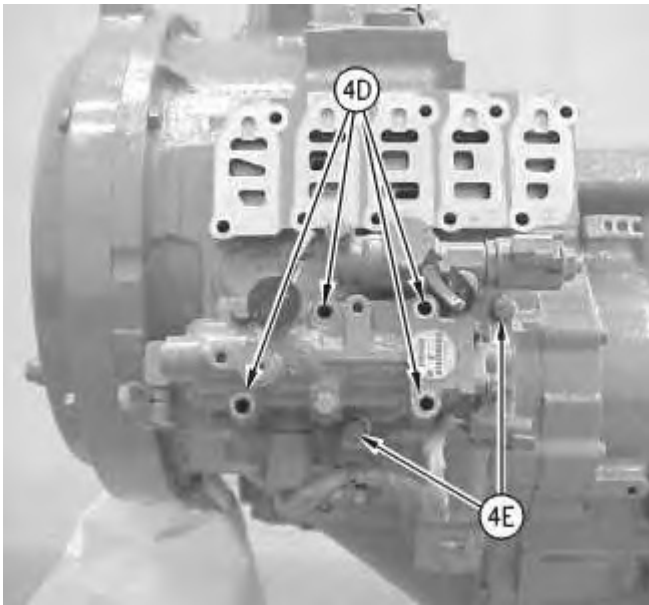


Illustration 5

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7. Remove bolts (4D) from the relief valve. Remove bolts (4E) and remove the manifold assembly.
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Illustration 6

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



Illustration 7

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9. Remove lip seal (7) and seal (8).

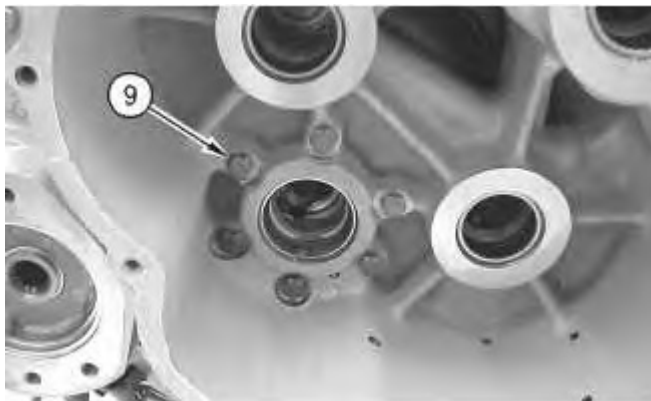


Illustration 8

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10. Remove bolts (9).

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