



Service Repair Manual

Models

972G Wheel Loader

Product: WHEEL LOADER

Model: 972G WHEEL LOADER 7LS

Configuration: 972G Wheel Loader 7LS00001-UP (MACHINE) POWERED BY 3306 Engine

Disassembly and Assembly 966G and 972G Wheel Loaders Power Train

Media Number -REN2106-08

Publication Date -01/05/2004

Date Updated -28/05/2004

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Transmission from Output Transfer Gears - Separate

SMCS - 3002-076

Separation Procedure

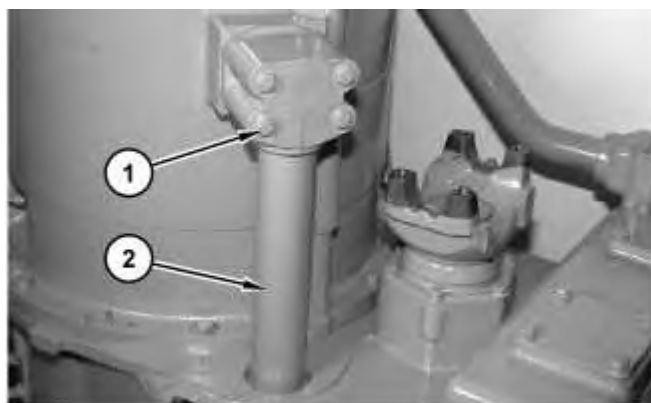
Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7575	Link Bracket	3

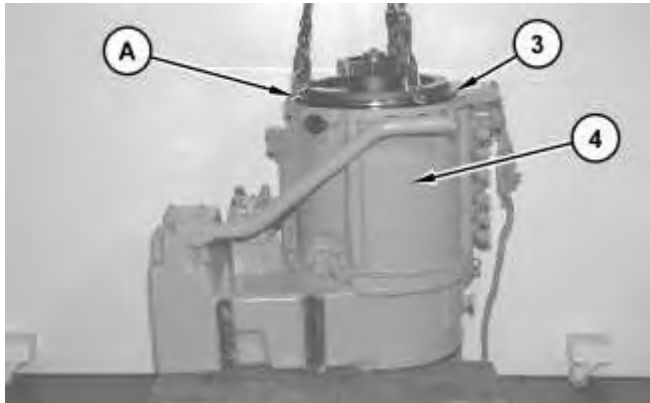
Start By:

- A. Separate the torque converter from the transmission. Refer to Disassembly and Assembly, "Torque Converter from Transmission, Output Transfer Gears - Separate".

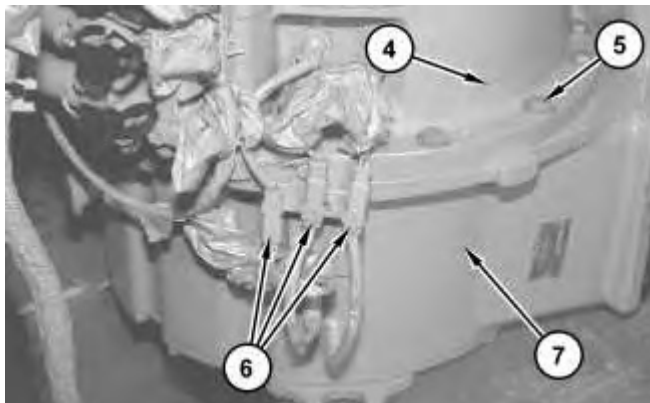
Note: Put identification marks on all harness assemblies for installation purposes. Plug all tube assemblies. This helps to prevent fluid loss, and this helps to keep contaminants from entering the system.



1. Remove bolts (1) and remove drain tube assembly (2) .



2. Attach Tooling (A) and a suitable lifting device to transmission planetary (4) .
3. Remove O-ring seal (3) .



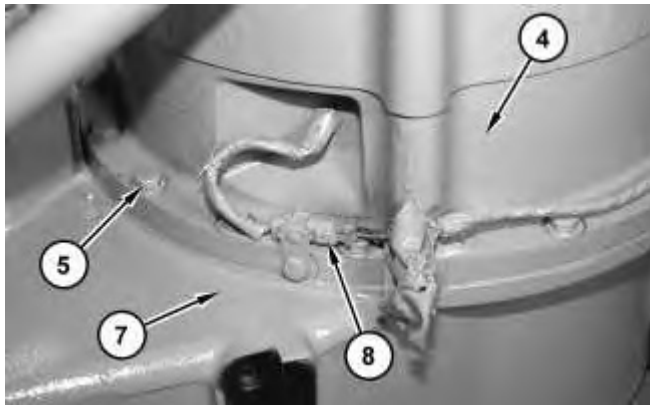


Illustration 4

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4. Disconnect harness assemblies (6). Disconnect harness assembly (8) .
5. Remove bolts (5) which hold transmission planetary (4) to output transfer gear case (7) .

Note: If necessary, use forcing screws in order to separate transmission planetary (4) from output transfer gear case (7) .

6. Use Tooling (A) and the suitable lifting device in order to separate transmission planetary (4) from output transfer gear case (7). The weight of transmission planetary (4) is approximately 545 kg (1200 lb).

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Transmission Planetary - Disassemble

SMCS - 3160-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7575	Link Bracket	3
B	1P-0520	Driver Gp	1
C	8H-0663	Bearing Puller	1

Start By:

- Separate the transmission from the output transfer gears. Refer to Disassembly and Assembly, "Transmission from Output Transfer Gears - 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.

Note: Put identification marks on all lines, on all hoses, on all wires, and on all tubes for installation purposes. Plug all lines, hoses, and tubes. This helps to prevent fluid loss and this helps to keep contaminants from entering the system.

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