



# Service Repair Manual

## **Models**

# 972H Wheel Loader

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Product: WHEEL LOADER

Model: 972H WHEEL LOADER A7D

Configuration: 972H Wheel Loader A7D00001-UP (MACHINE) POWERED BY C13 Engine

## Disassembly and Assembly 966H and 972H Wheel Loaders Power Train

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i02299218

## Torque Converter from Transmission, Output Transfer Gears - Separate

SMCS - 3003-076

S/N - A7D1-UP

S/N - A7G1-UP

S/N - A7J1-UP

S/N - GTA1-UP

S/N - LCC1-UP

## Separation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7574	Link Bracket	1
B	138-7575	Link Bracket	3
	1U-9200	Lever Puller Hoist	1

### Start By:

- Remove the torque converter, the transmission, and the transfer gears. Refer to Disassembly and Assembly, "Torque Converter, Transmission and Output Transfer Gears - Remove".

**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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## NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.

Refer to Special Publication, NENG2500, "Caterpillar Tools and Shop Products Guide" for tools and supplies suitable to collect and contain fluids on Caterpillar products.

Dispose of all fluids according to local regulations and mandates.

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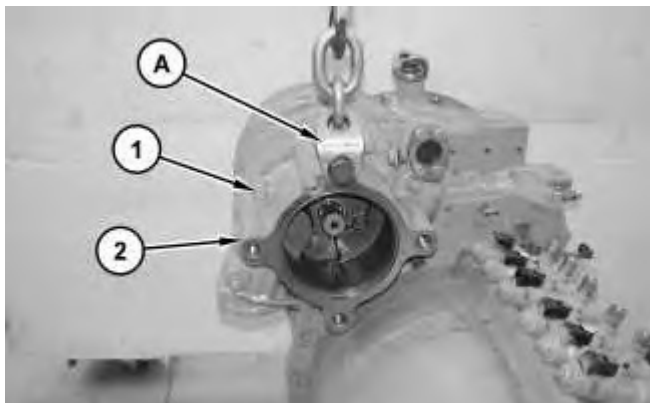


Personal injury can result from hydraulic oil pressure and hot oil.

Hydraulic oil pressure can remain in the hydraulic system after the engine has been stopped. Serious injury can be caused if this pressure is not released before any service is done on the hydraulic system.

Make sure all of the work tools have been lowered to the ground, and the oil is cool before removing any components or lines. Remove the oil filler cap only when the engine is stopped, and the filler cap is cool enough to touch with your bare hand.

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Illustration 1

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1. Attach Tooling (A) and a suitable lifting device to transmission oil pump (2). The weight of transmission oil pump (2) is approximately 36 kg (80 lb).
2. Remove bolts (1) and transmission oil pump (2) .

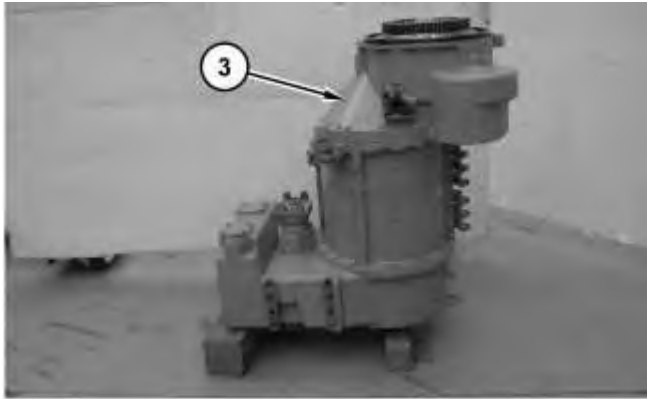


Illustration 2

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3. Reposition torque converter (3), as shown.

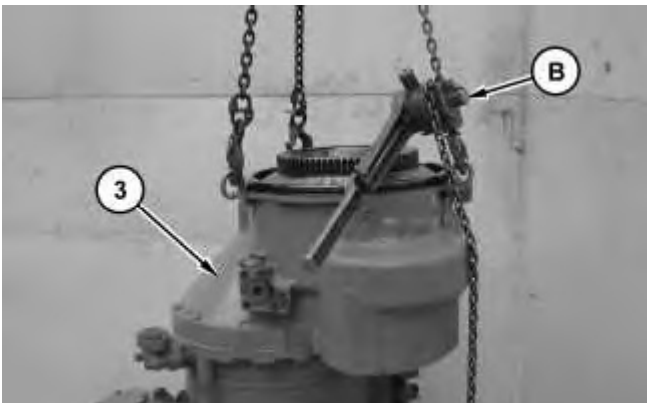


Illustration 3

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4. Attach Tooling (B) and a suitable lifting device to torque converter (3). The weight of torque converter (3) is approximately 191 kg (420 lb).
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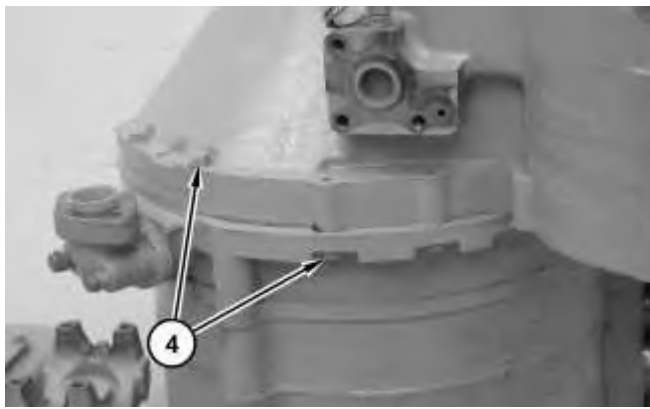


Illustration 4

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5. Remove bolts (4) .

**Note:** Note the lengths and locations of bolts (4) .

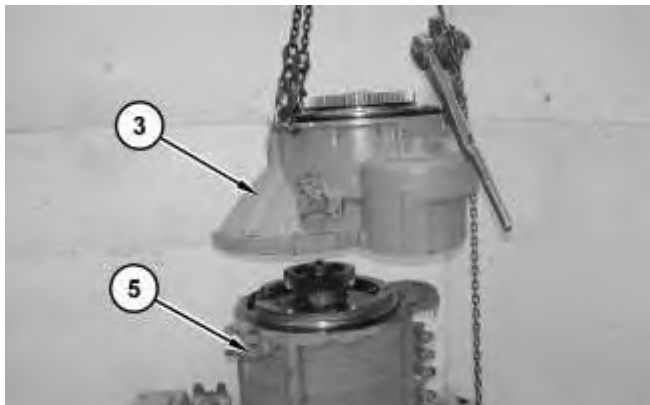


Illustration 5

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6. Remove torque converter (3) from transmission (5) .

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