



Service Repair Manual

Models

972H Wheel Loader

Product: WHEEL LOADER

Model: 972H WHEEL LOADER NPE

Configuration: 972H Wheel Loader NPE00001-UP (MACHINE) POWERED BY C13 Engine

Disassembly and Assembly 966H and 972H Wheel Loaders PowerTrain

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i03894983

Torque Converter (Freewheel Stator) - Disassemble

SMCS - 3101-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7575	Link Bracket	2
B	1P-0510	Driver Gp	1
C	2P-8312	Retaining Ring Pliers	1

Start By:

- A. Separate the torque converter from the transmission and from output transfer gears.

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.

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 Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Caterpillar products.

Dispose of all fluids according to local regulations and mandates.



Illustration 1

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1. Use Tooling (A) and a suitable lifting device to position torque converter assembly (1) on suitable blocking, as shown. The weight of torque converter assembly (1) is approximately 186 kg (410 lb).

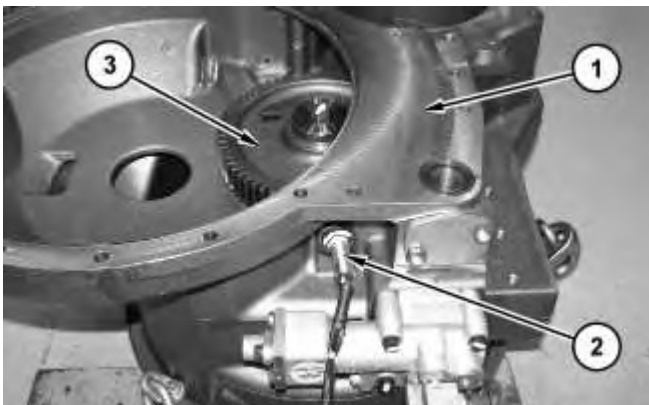


Illustration 2

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2. Remove torque converter speed sensor (2), the seal, and the washer.
 3. Remove gear (3) from torque converter assembly (1) .
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Illustration 3

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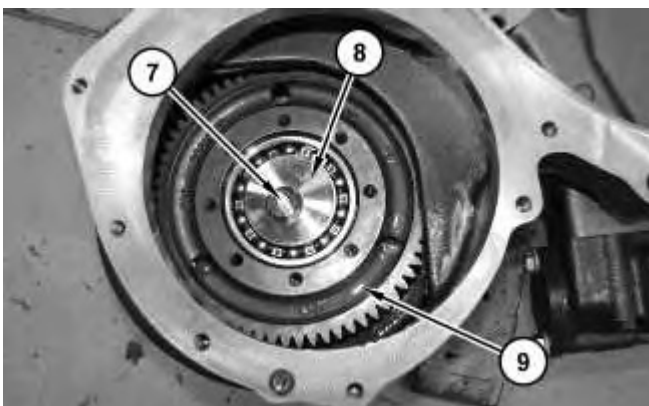
4. Remove bolts (4) and washers that hold the torque converter to the torque converter housing.
5. Remove O-ring seal (5) .



Illustration 4

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6. Remove pump drive flange (6) .



7. Remove bolt (7) and the washer that holds drive gear shaft (8) to the torque converter housing.
8. Remove drive gear shaft (8) from pump drive gear (9).



Illustration 6

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9. Use Tooling (A) and a suitable lifting device to remove the torque converter housing. The weight of torque converter housing is approximately 100 kg (220 lb).

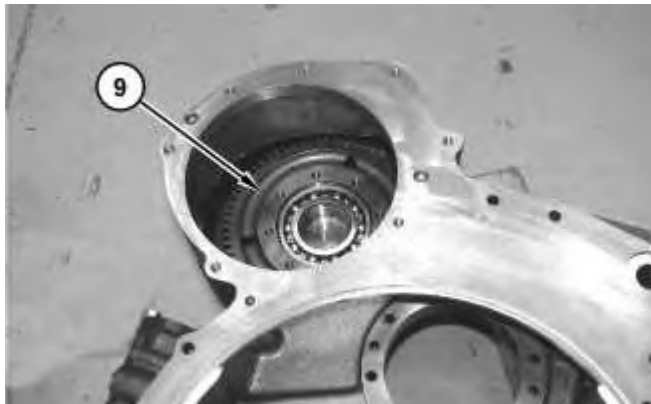


Illustration 7

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10. Remove pump drive gear (9) from the torque converter housing.
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