



Service Repair Manual

Models

972G Wheel Loader

Product: WHEEL LOADER

Model: 972G WHEEL LOADER AAW

Configuration: 972G WHEEL LOADER (COMMAND CONTROL STEER.) AAW00001-00196 (MACHINE) POWERED BY 3306 ENGINE

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

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i02299289

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 the output transfer gears. Refer to Disassembly and Assembly, "Torque Converter from Transmission, 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.

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.



Illustration 1

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1. Use Tooling (A) and a suitable lifting device to position the torque converter assembly on suitable blocking, as shown. The weight of the torque converter assembly is approximately 191 kg (420 lb).

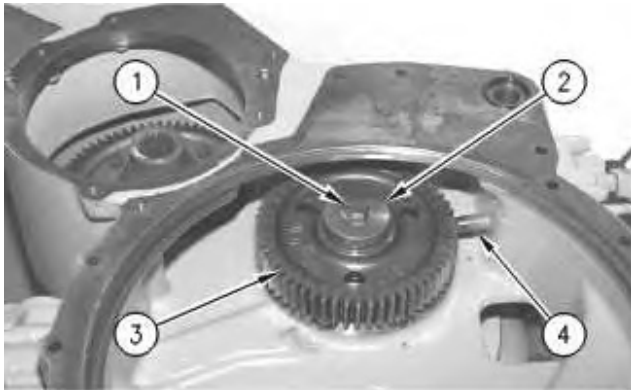


Illustration 2

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2. Remove torque converter speed sensor (4) , the seal, and the washer.
 3. Remove bolt (1) and retainer (2) . Remove gear (3) from the torque converter housing.
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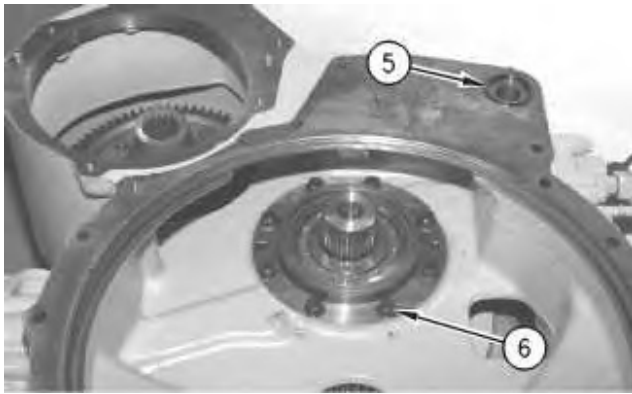


Illustration 3

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4. Remove bolts (6) and the washers that hold the torque converter to the torque converter housing.
5. Remove O-ring seal (5) .

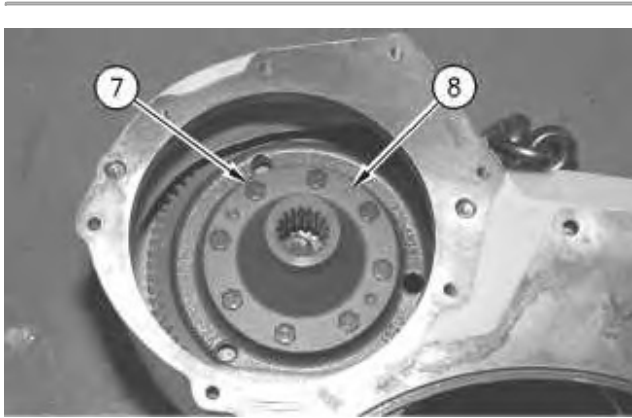


Illustration 4

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6. Remove bolts (7) and pump drive flange (8) .

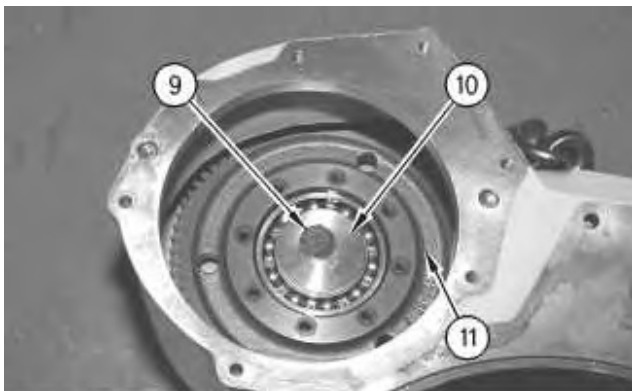


Illustration 5

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7. Remove bolt (9) and the washer that holds drive gear shaft (10) to the torque converter housing.
8. Remove pump drive gear (11) and drive gear shaft (10) .
9. Remove drive gear shaft (10) from pump drive gear (11) .



Illustration 6

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10. Use Tooling (A) and a suitable lifting device to remove the torque converter housing. The weight of the torque converter housing is approximately 113 kg (250 lb).



Illustration 7

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11. Remove bearing (12) from pump drive gear (11) . Use Tooling (B) in order to remove the bearing.
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