



Service Repair Manual

Models

972G Wheel Loader

Product: WHEEL LOADER

Model: 972G WHEEL LOADER 9GW

Configuration: 972G WHEEL LOADER 9GW00293-UP (MACHINE) POWERED BY 3306 ENGINE

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

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Torque Converter (Freewheel Stator) - Assemble

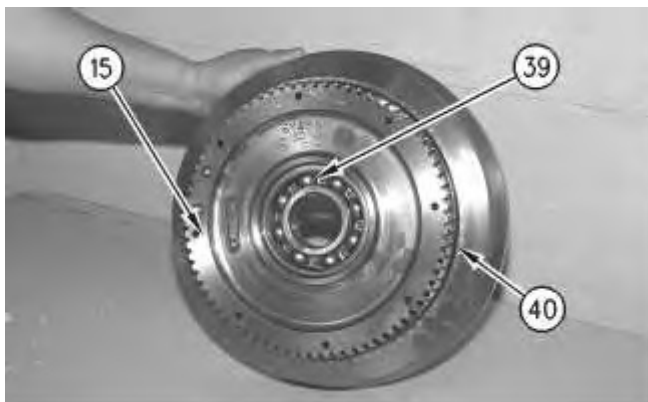
SMCS - 3101-016

Assembly Procedure

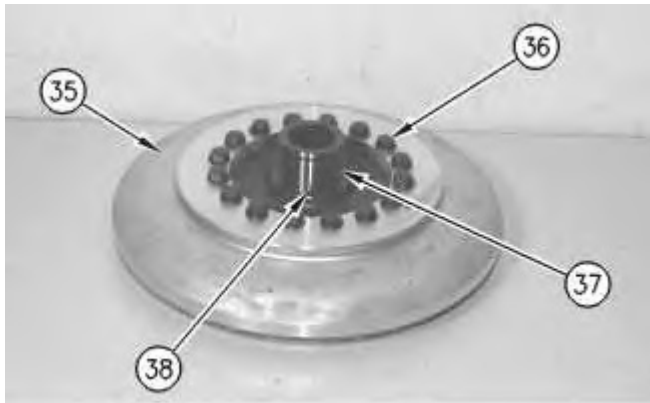
Table 1

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
D	7F-6068	Sleeve	1

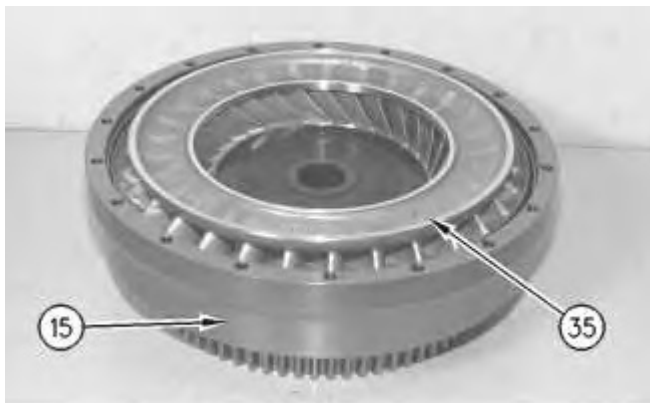
Note: Cleanliness is an important factor. Before assembly, all parts should be thoroughly cleaned in cleaning fluid. Allow the parts to air dry. Wiping cloths or rags should not be used to dry parts. Lint may be deposited on the parts which may cause later trouble. Inspect all parts. If any parts are worn or damaged, use new parts for replacement.



1. Install bearing (39) and ring (40) on rotating housing (15).



1. Install locating dowel (38) in turbine hub assembly (37).
2. Install turbine hub assembly (37) to turbine (35). Install bolts (36) and the washers. The torque for bolts (36) is $60 \pm 7 \text{ N}\cdot\text{m}$ ($44 \pm 5 \text{ lb ft}$).



3. Turn rotating housing (15) onto opposite side. Install turbine (35).



Illustration 4

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4. Install bearing spacer (34).
5. Use Tooling (C) to install retaining ring (33) on turbine hub assembly (37). Retaining ring (33) must be securely seated in the groove.
6. Install O-ring seal (32).



Illustration 5

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7. Install end cover (31) and retaining ring (30) in rotating housing (15).



Illustration 6

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8. Lower the temperature of bearing (29).

9. Install bearing (29) in impeller (14).

Note: The notch in bearing (29) must face downward, as shown.



Illustration 7

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10. Install drive gear (28) and bolts (27). The torque for bolts (27) is 105 ± 15 N·m (75 ± 11 lb ft).

Note: If the torque converter is equipped with a freewheel stator, continue with Steps 11 through 16.

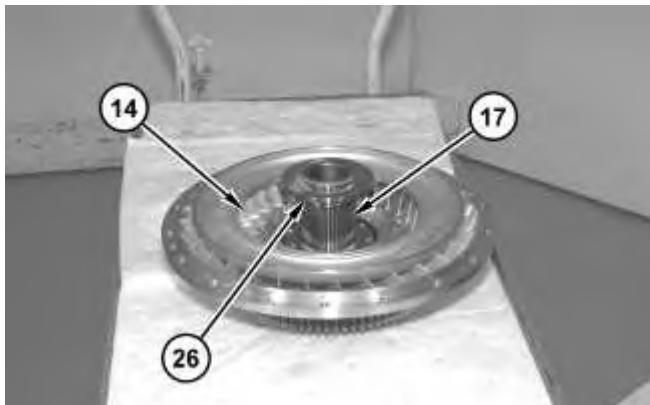


Illustration 8

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11. Install the seal ring (not shown) onto carrier shaft (17). Use a suitable press to install carrier shaft (17) in impeller (14).

12. Install spacer (26) over shaft (17).

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