



Service Repair Manual

Models

972M Wheel Loader

Product: WHEEL LOADER

Model: 972M WHEEL LOADER GGN

Configuration: 972M Wheel Loader GGN00001-UP (MACHINE) POWERED BY C9.3 Engine

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

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i06909951

Transmission Planetary - Disassemble

SMCS - 3160-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-2420	Transmission Repair Stand	1
B	439-3940	Bracket As	3
C	1P-0520	Driver Gp	1
D	8B-7551	Bearing Puller	1

Start By:

- a. Separate the transmission from the output transfer gears.

Note: Cleanliness is an important factor. Before the disassembly procedure, clean the exterior of the component . Cleaning will help to prevent dirt from entering the internal mechanism.

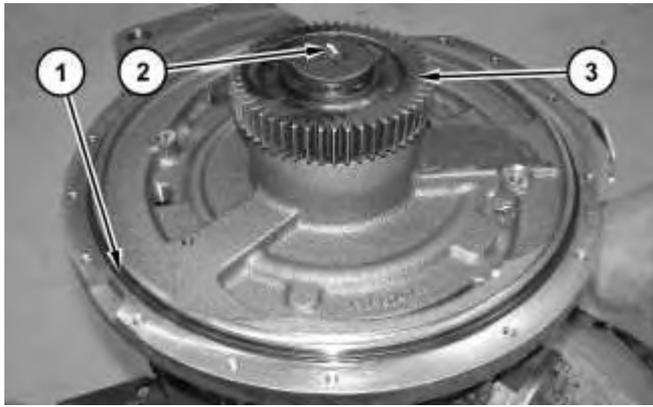


Illustration 1

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1. Remove O-ring seal (1) from the housing.
2. Remove bolt (2). Remove drive gear (3) from the end of the input shaft.

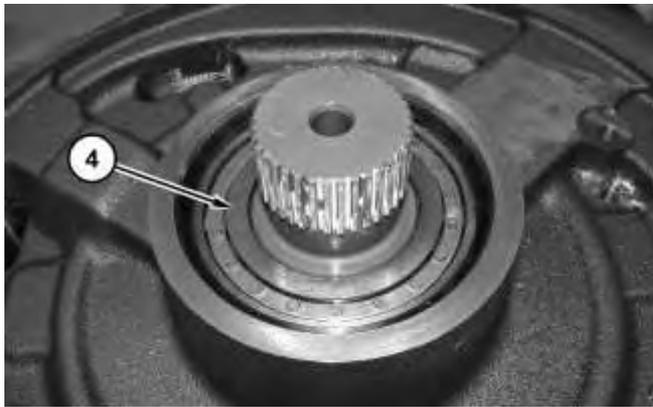


Illustration 2

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3. Remove plate (4).

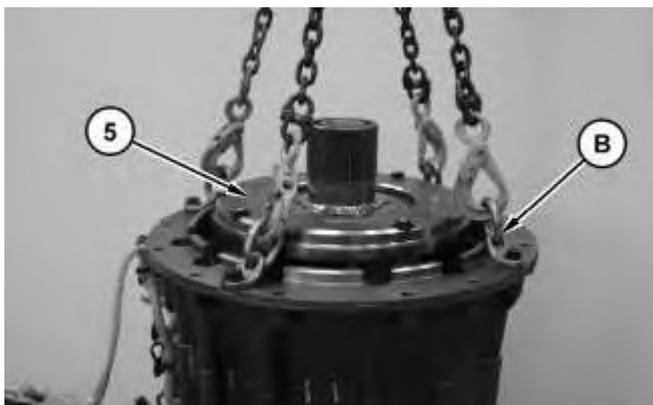


Illustration 3

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4. Attach Tooling (B) and a suitable lifting device to the transmission, as shown. The weight of the transmission is approximately 425 kg (936 lb).

5. Carefully position the transmission on the opposite end so that No. 6 clutch housing (5) is facing upward, as shown.

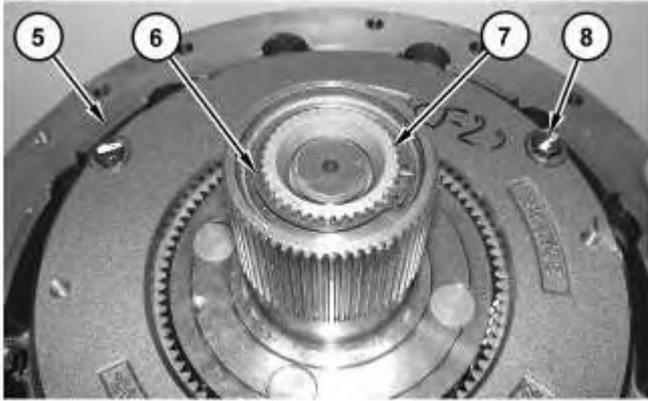


Illustration 4

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Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

6. Remove retaining ring (6) from output shaft assembly (7). Remove bolts (8) and No. 6 clutch housing (5). Mark the location of the long bolts.

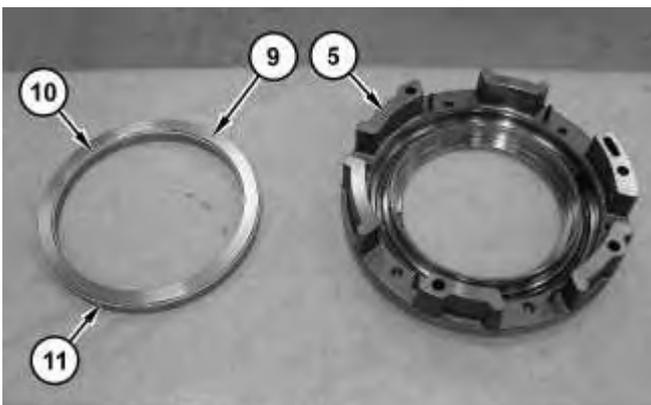


Illustration 5

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7. Remove clutch piston (9) from No. 6 clutch housing (5).
8. Remove seal rings (10) and (11) from clutch piston (9).



Illustration 6

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9. Remove clutch plate (12), springs (13), and the pins.



Illustration 7

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10. Remove clutch plates (12) and friction discs (14). Remove dowels (15).



Illustration 8

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11. Remove ring gear (16).
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