



# Service Repair Manual

## **Models**

# 972M Wheel Loader

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Product: WHEEL LOADER

Model: 972M WHEEL LOADER LSJ

Configuration: 972M Wheel Loader LSJ00001-UP (MACHINE) POWERED BY C9.3 Engine

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

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i06909991

# Transmission Planetary - Disassemble

SMCS - 3160-015

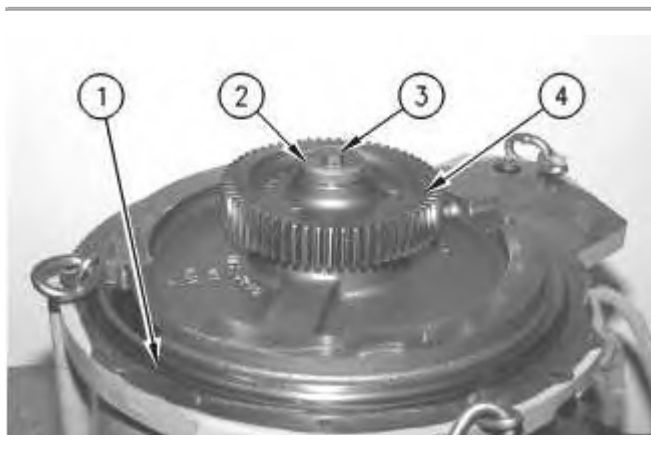
## Disassembly Procedure

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	8H-0663	Bearing Puller	1

### Start By:

- Separate the transmission from the output transfer gears.



1. Remove O-ring seal (1) from the housing.
2. Remove bolt (3), retainer (2), and drive gear (4) from the end of the input shaft.

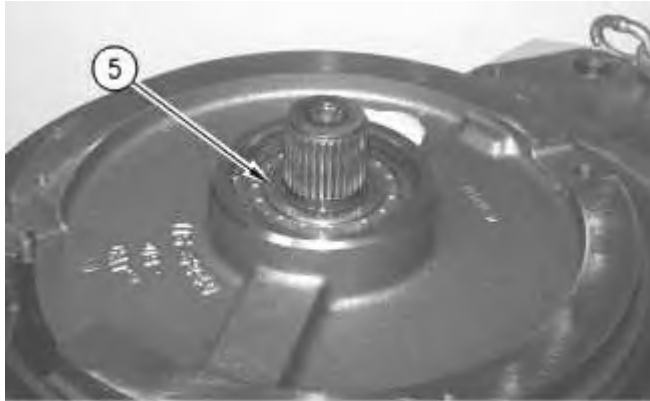


Illustration 2

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3. Remove plate (5).

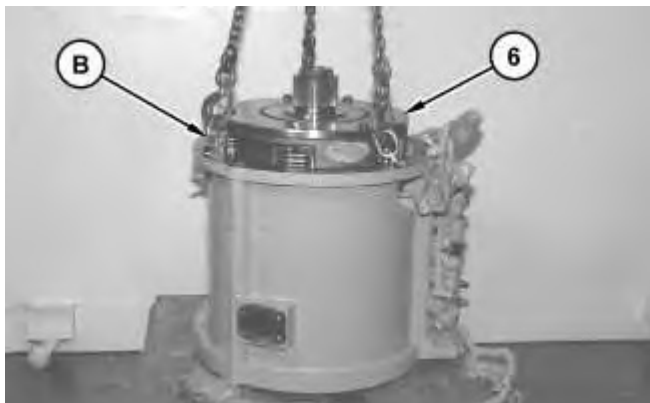


Illustration 3

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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 544 kg (1200 lb).
  5. Carefully position the planetary group on the opposite end so that No. 6 clutch housing (6) is facing upward, as shown.
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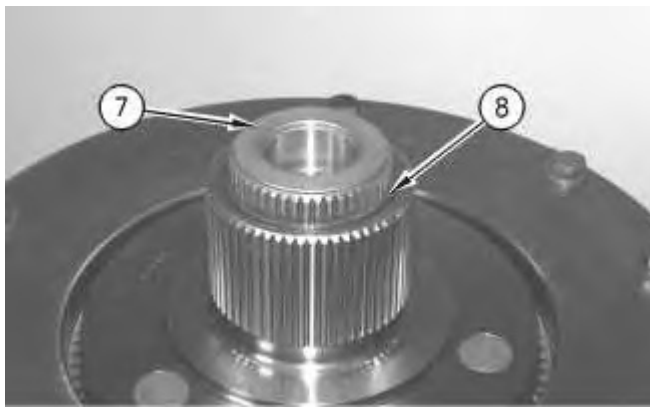


Illustration 4

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6. Remove retaining ring (8) from output shaft (7).



Illustration 5

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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.**

7. Remove bolts (9) and No. 6 clutch housing (6). Mark the location of the long bolts.

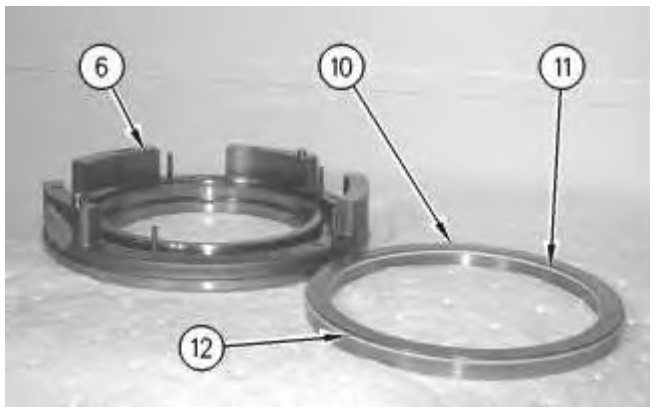


Illustration 6

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8. Remove clutch piston (10) from No. 6 clutch housing (6).
9. Remove seal rings (11) and (12) from clutch piston (10).



Illustration 7

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10. Remove clutch plate (14) and springs (13).



Illustration 8

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11. Remove clutch plates (15) and friction discs (16).

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