



Service Repair Manual

Models

938G II Wheel Loader

Product: WHEEL LOADER

Model: 938G II WHEEL LOADER CRD

Configuration: 938G II Wheel Loader CRD00001-UP (MACHINE) POWERED BY 3126B Engine

Disassembly and Assembly

938G Series II Wheel Loader and IT38G Series II Integrated Toolcarrier Power Train

Media Number -REN6068-03

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i01879674

Transmission - Disassemble

SMCS - 3030-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7573	Link Bracket	1
	3H-0465	Push-Puller Plate	4
	5F-7344	Puller Block	1
B	5P-8715	Forcing Bolt	1
	8B-7550	Push-Puller Leg	2
	8H-0663	Bearing Puller Gp	1
C	1P-2420	Transmission Repair Stand	1
D	2P-8312	Retaining Ring Pliers	1
E	8S-2328	Dial Indicator Gp	1
F	9U-7480	Compressing Tube	1
G	1P-1863	Retaining Ring Pliers	1
H	9U-7479	Compressing Tube	1
J	1U-6341	Threaded Rod	1
K	5P-7970	Nut	1

Start By:

- A. Separate the transmission from the torque converter. Refer to Disassembly and Assembly, "Transmission and Torque Converter - Separate".

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.

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.

Note: Put identification marks on all sections of the transmission for assembly purposes.

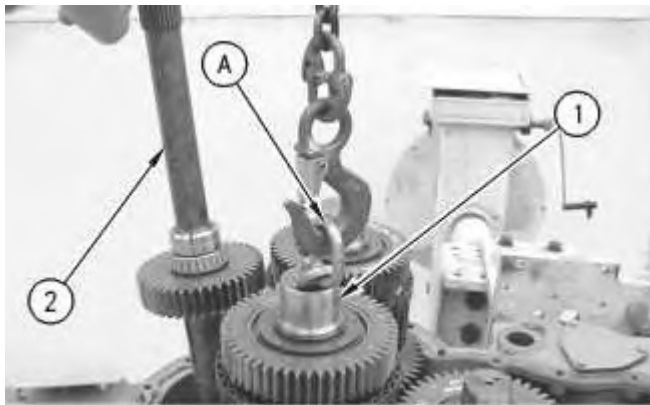


Illustration 1

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1. Install Tooling (A) to shaft (1). Attach a suitable lifting device to Tooling (A) .

Note: Hold input shaft (2) away from shaft (1) for clearance.

2. Use a suitable lifting device to lift shaft (1) straight up out of transmission case. The weight of shaft (1) is approximately 50 kg (110 lb).

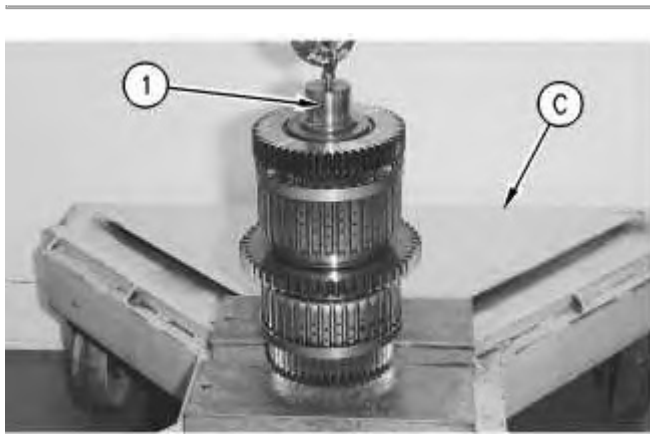


Illustration 2

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3. Position shaft (1) on Tooling (C), as shown.

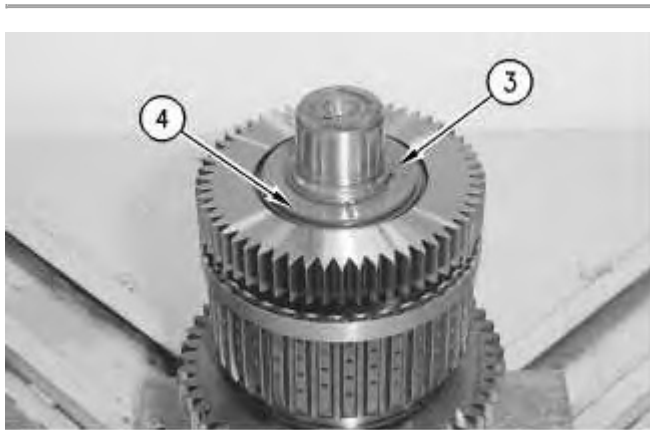
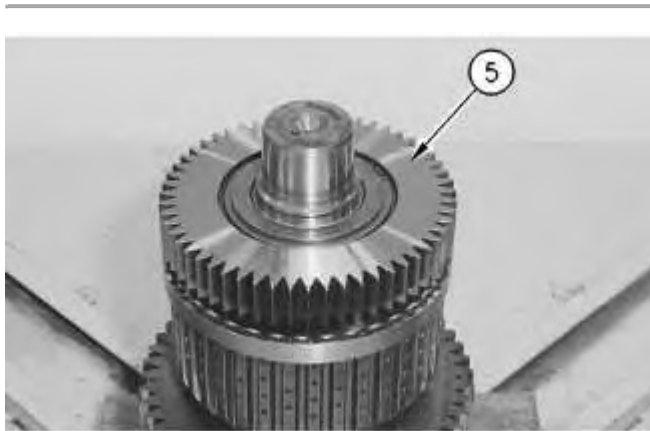


Illustration 3

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4. Use Tooling (D) to remove retaining ring (3) and remove thrust disc (4) .



5. Remove gear and hub assembly (5) .

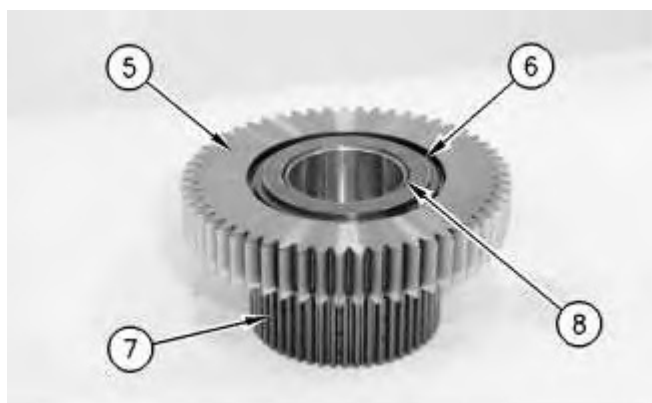


Illustration 5

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6. Use Tooling (G) to remove retaining ring (6) .
7. Separate hub (7) from gear (5). If necessary, remove sleeve bearing (8) .

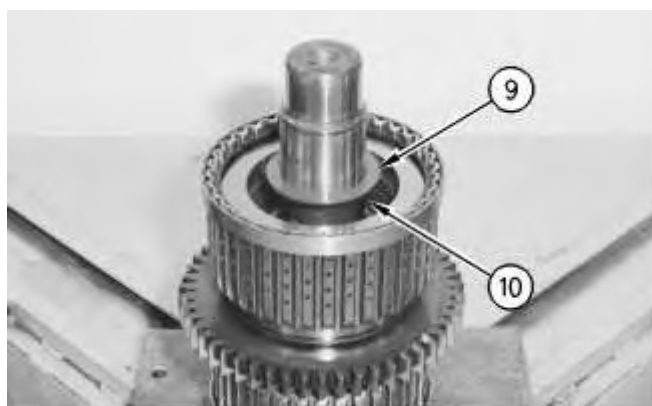


Illustration 6

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8. Remove thrust disc (9) and retainer (10) .
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