



Service Repair Manual

Models

924H and 924HZ
Wheel Loader

Product: WHEEL LOADER

Model: 924HZ WHEEL LOADER PED

Configuration: 924H 924Hz Wheel Loader PED00001-UP (MACHINE) POWERED BY C6.6 Engine

Disassembly and Assembly 924H, 924HZ, 928HZ and 930H Wheel Loaders Power Train

Media Number -KENR7606-09

Publication Date -01/03/2015

Date Updated -09/10/2017

i07376985

Transmission and Torque Converter - Disassemble

SMCS - 3001-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1U-9200	Lever Puller Hoist	1
	138-7575	Link Bracket	3
B	8T-0372	Bolt M12 - 1.75 by 90mm	3
	180-3033	Jack Stand Gp	2
	180-3032	Jack Stand Gp	1
	189-0410	Shackle As	2
C	8T-0644	Bolt M10 - 1.5 by 90mm	2
D	1U-9200	Lever Puller Hoist	1
	138-7575	Link Bracket	4
	189-0409	Shackle As	1
E	154-6181	Forcing Screw	2
F	136-1452	Retaining Ring Pliers As	1
G	1P-0074	Slide Hammer Puller Gp	1
	4C-5653	Threaded Adapter	1

H	1P-1863	Retaining Ring Pliers	1
J	4C-6136	Lifting Bracket	1
K	1P-1861	Retaining Ring Pliers	1
L	1P-0510	Driver Gp	1
M	4C-3652	Compressor Assembly	1
N	1P-1857	Retaining Ring Pliers	1
P	1P-2322	Combination Puller	1
	1P-0510	Driver Gp	1
	1U-9889	Crossblock	1
	3H-0469	Leg	2
Q	3H-0468	Puller Plate	4
	1A-1935	Full Nut	2
	1U-7540	Hydraulic Cylinder	1
	1U-5230	Hand Hydraulic Pump	1
	1H-3110	Bearing Puller Gp	1
R	4C-6399	Compressor Assembly	1

Start By:

- Remove the transmission oil pump. Refer to Disassembly and Assembly, "Transmission Oil Pump - Remove".
- Remove the transmission and the torque converter. Refer to Disassembly and Assembly, "Transmission and Torque Converter - Remove".

Note: Put identification marks on all hoses, on all hose assemblies, on all harness assemblies, and on all tube assemblies for installation purposes. Plug all hose assemblies and all tube assemblies. This helps to prevent fluid loss, and this helps to keep contaminants from entering the system.

Note: Cleanliness is an important factor. Before you begin the disassembly procedure, the exterior of the components should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism. Precision components can be damaged by contaminants or by dirt. Perform disassembly procedures on a clean work surface. Keep components covered and protected at all times.

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, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat[®] products.

Dispose of all fluids according to local regulations and mandates.



Illustration 1

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1. Attach Tooling (A) and a suitable lifting device to the transmission and the torque converter. The weight of the transmission and torque converter is approximately 476 kg (1050 lb).

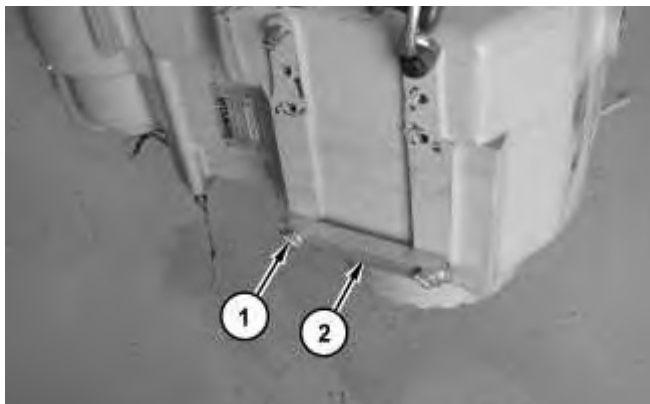


Illustration 2

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2. Remove bolts (1) and sight gauge (2).
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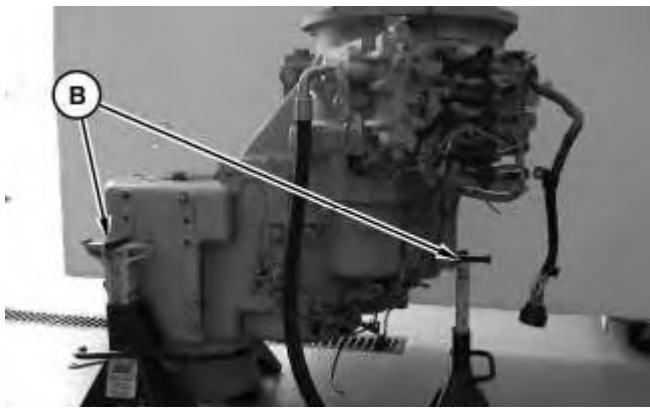


Illustration 3

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3. Position the transmission and the torque converter onto Tooling (B), as shown.

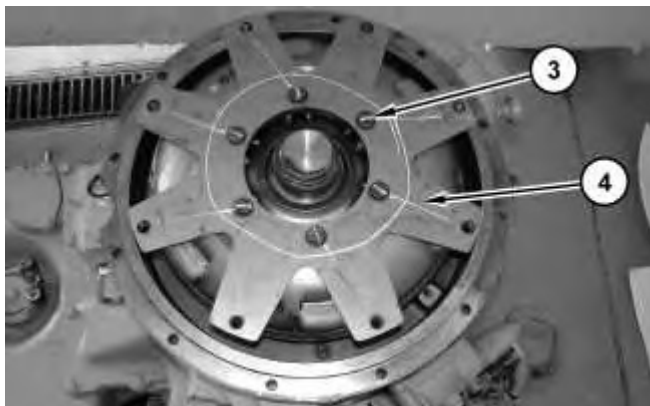


Illustration 4

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4. Remove bolts (3) and coupling (4).



Illustration 5

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5. Remove torque converter (5).

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