



# Service Repair Manual

## **Models**

# 986K Wheel Loader

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Product: WHEEL LOADER

Model: 986K WHEEL LOADER NL8

Configuration: 986K Wheel Loader NL800001-UP (MACHINE) POWERED BY C15 Engine

## Disassembly and Assembly 986K Wheel Loader Power Train

Media Number -M0085189-01

Publication Date -01/09/2014

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i02071477

# Torque Converter (Lockup) - Disassemble

SMCS - 3101-015-L7

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7573	Link Bracket	1
	138-7575	Link Bracket	2
B	5F-7366	Screw	1
	3H-0465	Plate	2
	1P-5546	Crossblock	1
	5H-7369	Puller Leg	2
	6B-6682	3/4" - 16 NF Nut	2
	1P-0520	Driver Gp	1
	4C-5653	Threaded Adapter	2
C	188-1456	Metric Eyebolt	1
D	138-7575	Link Bracket	2
E	138-7575	Link Bracket	3
F	5F-7366	Screw	1
	3H-0465	Plate	2
	1P-5546	Crossblock	1

	5H-7369	Puller Leg	2
	8B-7551	Bearing Puller	1
	6B-6682	3/4" - 16 NF Nut	2
	1P-0520	Driver Gp	1
	5F-7366	Screw	1
	3H-0465	Plate	2
	1P-5546	Crossblock	1
G	8B-7549	Puller Leg	2
	5F-7343	Bearing Puller	1
	6B-6682	3/4" - 16 NF Nut	2
	1P-0520	Driver Gp	1
	5F-7342	Adapter	2
H	1P-0520	Driver Gp	1
J	138-7574	Link Bracket	2

**Start By:**

- a. Remove the torque converter. Refer to Disassembly and Assembly, "Torque Converter - Remove" for the machine that is being serviced.
  - b. Remove the transmission oil pump. Refer to Disassembly and Assembly, "Transmission Oil Pump - Remove" for the machine that is being serviced.
  - c. Remove the torque converter outlet relief valve. Refer to Disassembly and Assembly, "Relief Valve (Torque Converter Outlet) - Remove" for the machine that is being serviced.
  - d. Remove the modulating valve for the torque converter impeller clutch. Refer to Disassembly and Assembly, "Modulating Valve (Torque Converter Impeller Clutch) - Remove" for the machine that is being serviced.
  - e. Remove the modulating valve for the torque converter lockup clutch. Refer to Disassembly and Assembly, "Modulating Valve (Torque Converter Lockup Clutch) - Remove" for the machine that is being serviced.
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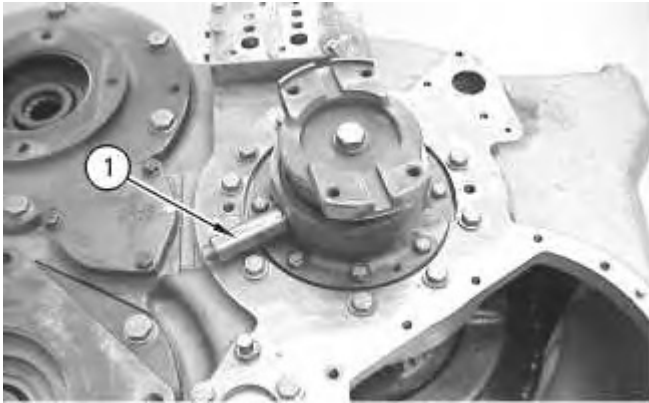


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Illustration 1

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1. Place the torque converter assembly on cribbing. The weight of the torque converter assembly is 545 kg (1200 lb).

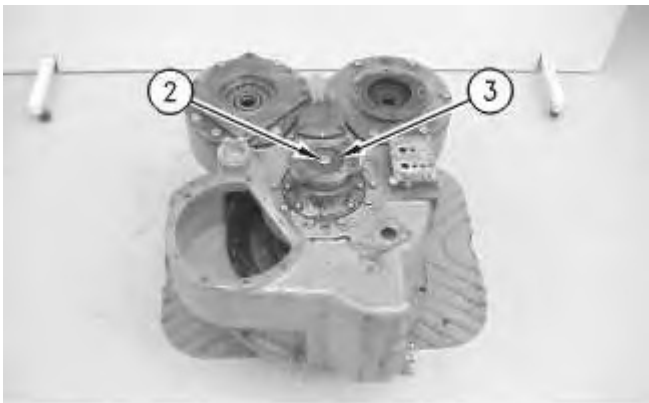


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Illustration 2

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2. Remove speed sensor (1).



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Illustration 3

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3. Remove bolt (2) and retainer (3).
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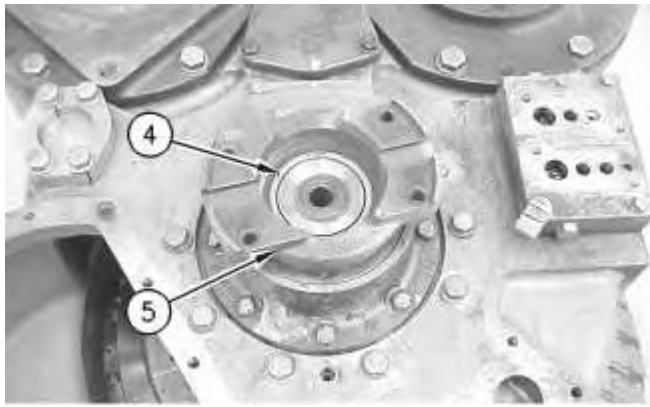


Illustration 4

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4. Remove O-ring seal (4) and yoke (5).



Illustration 5

g00665412

5. Remove eleven bolts (6) and the washers.



Illustration 6

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6. Install Tooling (A) to housing assembly.
7. Attach a suitable lifting device and lifting chains to Tooling (A).

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