

Product: WHEEL LOADER

Model: 980K HLG WHEEL LOADER NEP

Configuration: 980K Wheel Loader High Lift Grapple NEP00001-UP (MACHINE) POWERED BY C13 Engine

## Disassembly and Assembly 980K Wheel Loader Power Train

Media Number -KENR6447-03

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i04400923

# Torque Converter - Disassemble - Heavy Duty

SMCS - 3101-015

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7573	Link Bracket	1
B	8B-7548	Push-Puller	1
	8B-7550	Leg	2
	8H-0684	Ratchet Wrench	1
	8B-7560	Step Plate	1
	8H-0663	Bearing Puller Attachment	1
C	8B-7548	Push-Puller	1
	8H-0684	Ratchet Wrench	1
	8B-7549	Leg	2
	5P-4808	Cap	2
	8B-7554	Bearing Cup Puller Attachment	1
D	5F-7343	Bearing Puller Attachment	1
	1P-0520	Driver Group	1
E	1P-0520	Driver Group	1

**Start By:**

- a. Separate the torque converter from the transmission and from the output transfer gears. Refer to Disassembly and Assembly, "Torque Converter from Transmission, Output Transfer Gears - Separate" for the machine that is being serviced.

1. Place the torque converter housing assembly on wood blocks.

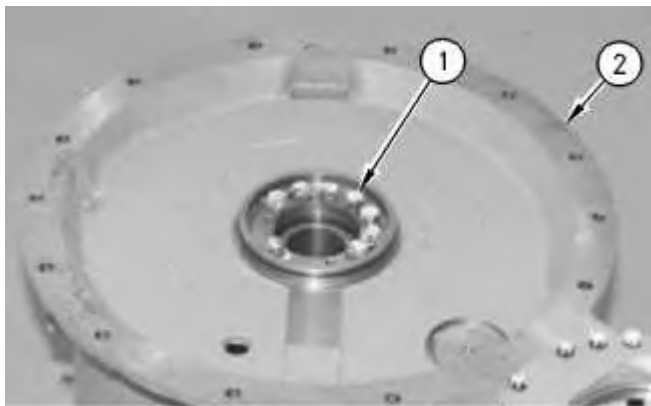


Illustration 1

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2. Remove eight bolts (1) and the washers from torque converter housing assembly (2).

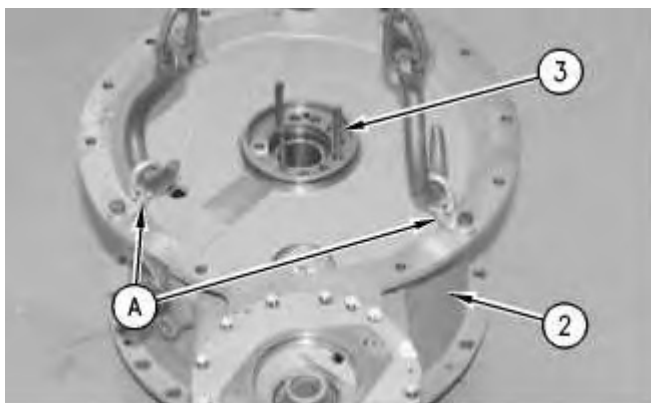


Illustration 2

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3. Install Tooling (A) to torque converter housing assembly (2), as shown. Attach a hoist and suitable lifting chains to Tooling (A).
  4. Use three 3/8" - 16 NC forcing screws (3) to loosen housing assembly (2) from the torque converter.
  5. Use the hoist to remove housing assembly (2) from the torque converter. The weight of housing assembly (2) is 120 kg (265 lb).
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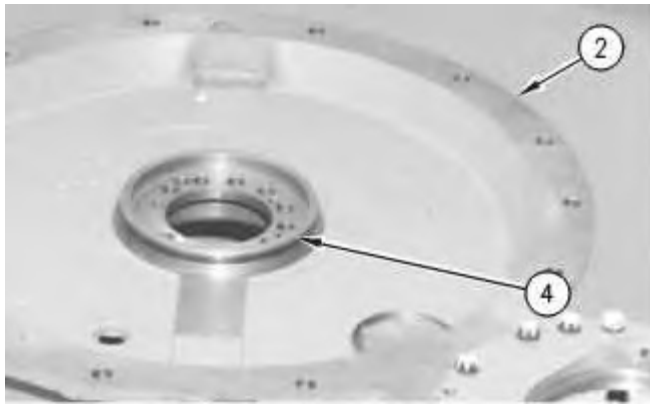


Illustration 3

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6. Remove O-ring seal (4) from torque converter housing assembly (2).

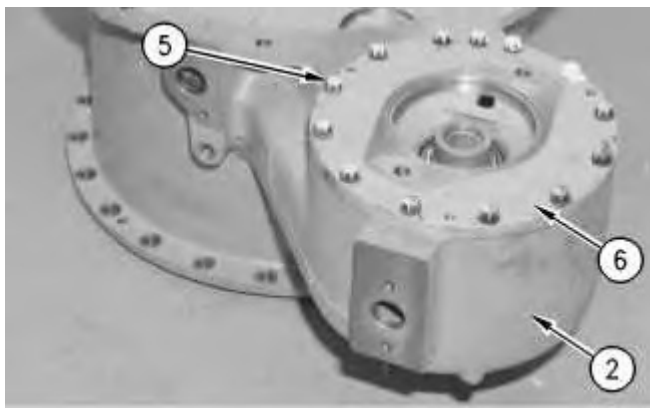


Illustration 4

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7. Remove thirteen bolts (5) and the washers from pump adapter (6) and torque converter housing assembly (2).

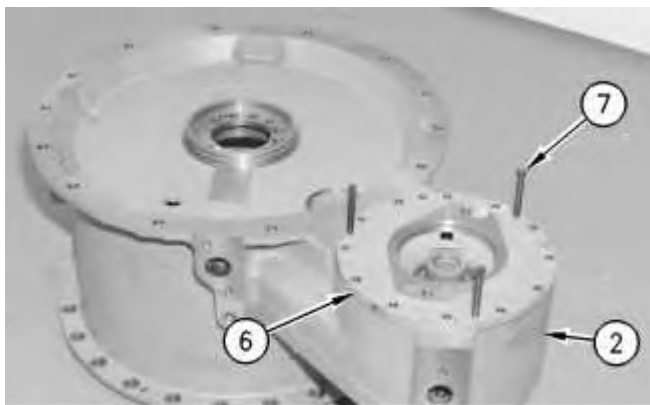


Illustration 5

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8. Use three 3/8" - 16 NC forcing screws (7) to remove pump adapter (6) from torque converter housing assembly (2).

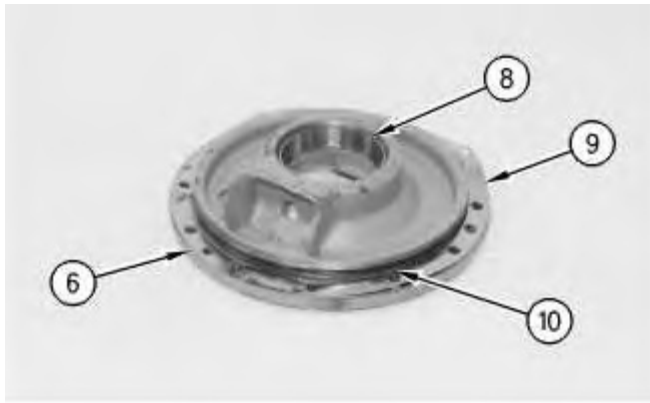


Illustration 6

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9. Remove bearing cup (8), O-ring seal (10) and shims (9) from pump adapter (6).



Illustration 7

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10. Remove pump drive gear (11) from torque converter housing assembly (2).

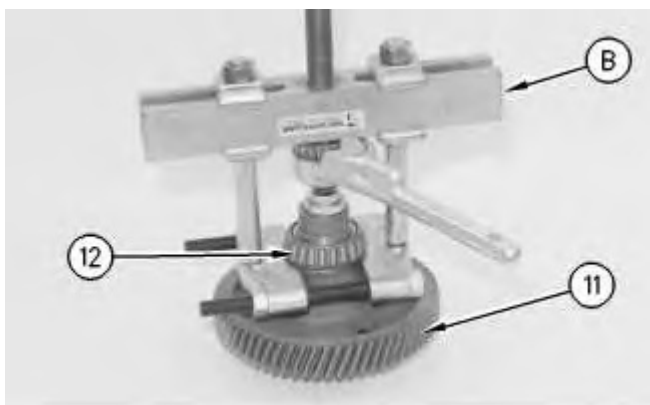


Illustration 8

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11. Use Tooling (B) to remove bearing cones (12) from each side to pump drive gear (11).



Illustration 9

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12. Use Tooling (C) to remove bearing cup (13) from torque converter housing assembly (2).

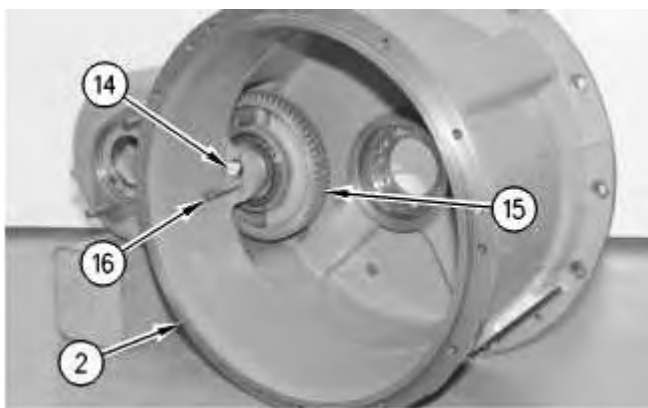


Illustration 10

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13. Remove bolt (14) and the washer from torque converter housing assembly (2).
14. Use 3/8" - 16 NC forcing screw (16) to push the shaft assembly out of torque converter housing assembly (2).
15. Remove idler gear (15) from torque converter housing assembly (2).

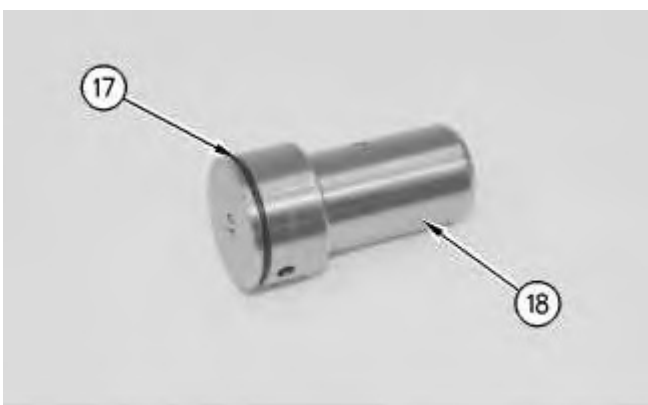


Illustration 11

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16. Remove O-ring seal (17) from shaft assembly (18).

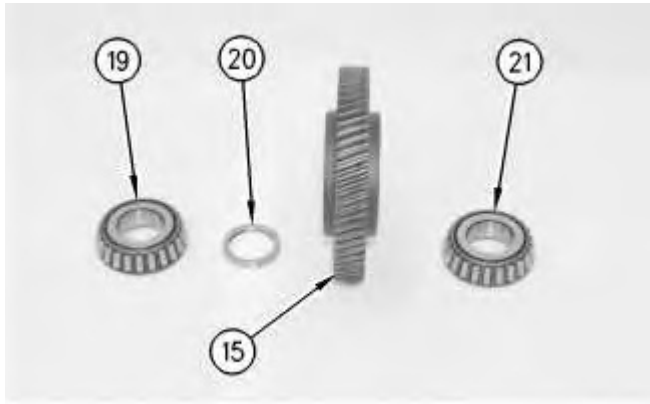


Illustration 12

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17. Remove bearing cone (19), bearing cone spacer (20) and bearing cone (21) from idler gear (15).

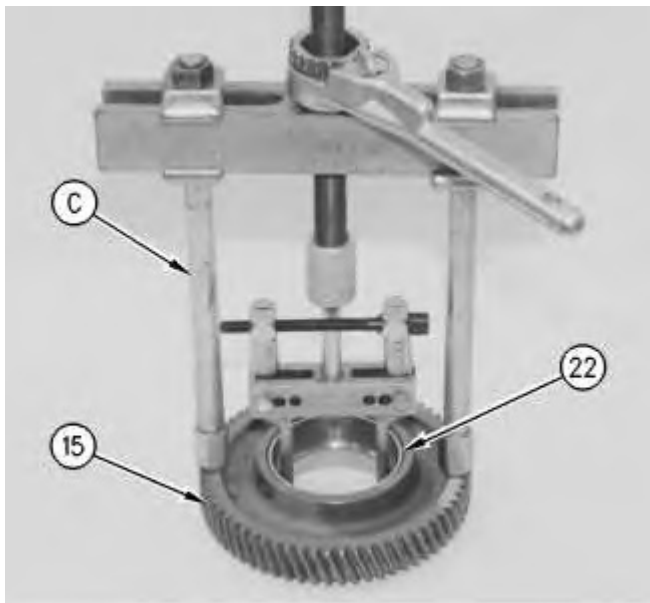


Illustration 13

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18. Use Tooling (C) to remove bearing cup (22) from idler gear (15).

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Illustration 14

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19. Remove bearing cup spacer (23) from idler gear (15).

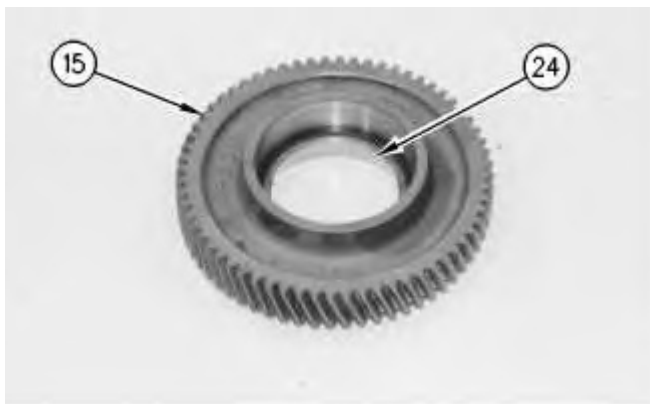


Illustration 15

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20. Remove retaining ring (24) from idler gear (15).



Illustration 16

g00503309

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