

Product: WHEEL LOADER

Model: 924H WHEEL LOADER KLN

Configuration: 924H Wheel Loader KLN00001-UP (MACHINE) POWERED BY C6.6 Engine

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

Media Number -KENR7606-09

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i07377005

Transmission and Torque Converter - Assemble

SMCS - 3001-016

Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1U-9200	Lever Puller Hoist	1
	138-7575	Link Bracket	3
	8T-0372	Bolt M12 - 1.75 by 90mm	3
B	180-3033	Jack Stand Gp	2
	180-3032	Jack Stand Gp	1
	189-0410	Shackle As	2
	1U-9200	Lever Puller Hoist	1
D	138-7575	Link Bracket	4
	189-0409	Shackle As	1
F	136-1452	Retaining Ring Pliers As	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
R	4C-6399	Compressor Assembly	1
S	9S-3263	Thread Lock Compound	-
T	1U-8846	Gasket Sealant	-
U	4C-6402	Expander Tool Gp	1
V	8S-2328	Dial Indicator Gp	1

Note: Cleanliness is an important factor. Before assembly, thoroughly clean all parts in cleaning fluid. Allow the parts to air dry. Do not use wiping cloths or rags to dry parts. Lint may be deposited on the parts which may cause trouble. Inspect all parts. If any parts are worn or damaged, use new parts for replacement. Dirt and other contaminants can damage the precision component. Perform assembly procedures on a clean work surface. Keep components covered and protected at all times.

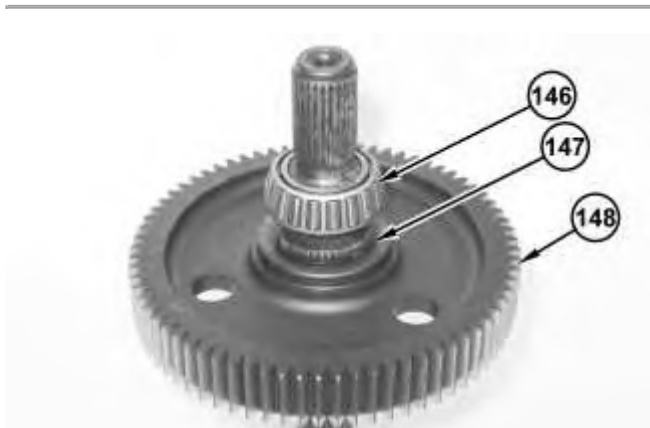
Note: Check the O-ring seals, the gaskets, and the seals for wear or for damage. Replace the components, if necessary.

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.



1. Install gear (148) and retaining ring (147). Raise the temperature of bearing cone (146) to install bearing cone (146).



Illustration 2

2. Raise the temperature of bearing cone (145) to install bearing cone (145).

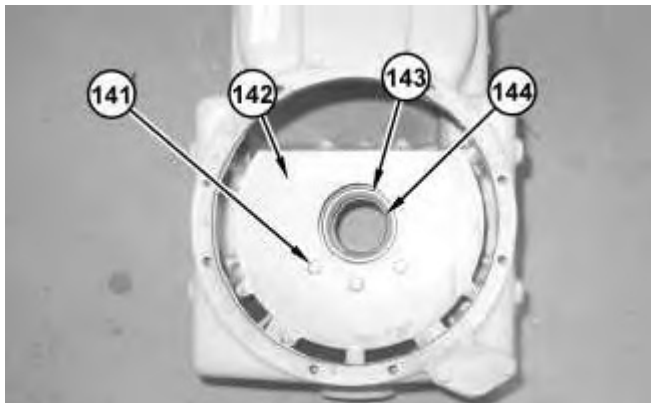


Illustration 3

3. Lower the temperature of bearing cup (143) and install bearing cup (143). Install lip seal (144).

Note: Lubricate the sealing lip with the lubricant that is being sealed.

4. Install shield assembly (142) and bolts (141). Tighten bolts (141) to a torque of $55 \pm 10 \text{ N}\cdot\text{m}$ ($41 \pm 7 \text{ lb ft}$).
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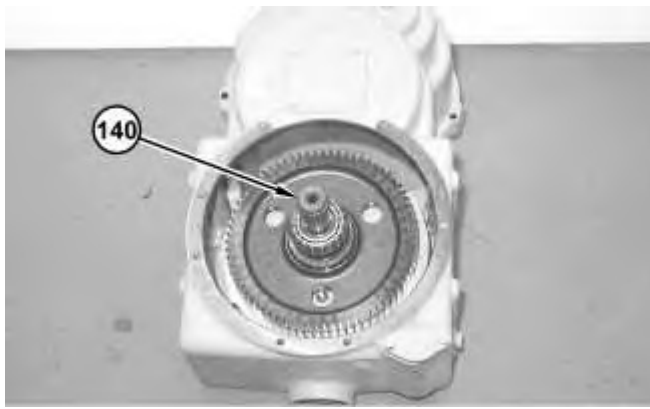


Illustration 4

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5. Install the output shaft and gear (140).



Illustration 5

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6. Install lip seal (137). Lower the temperature of bearing cup (136) and install bearing cup (143). Install seal (135).

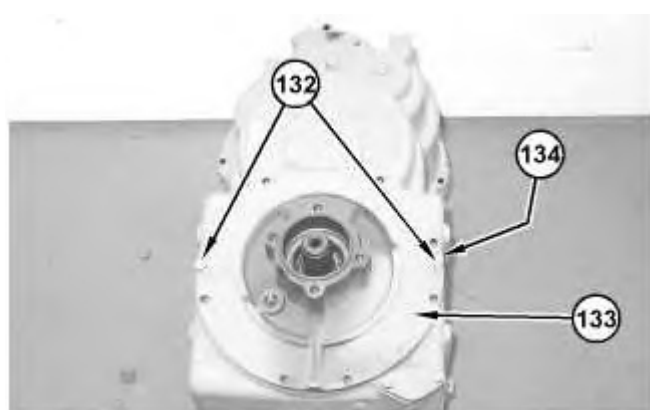


Illustration 6

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7. Install shims (134), cage (133), and bolts (132).

8. Use shims as required to achieve 0.06 mm (0.002 inch) to 0.13 mm (0.005 inch) of end play on the output shaft.
9. Tighten bolts (132) to a torque of 70 ± 10 N·m (52 ± 7 lb ft).

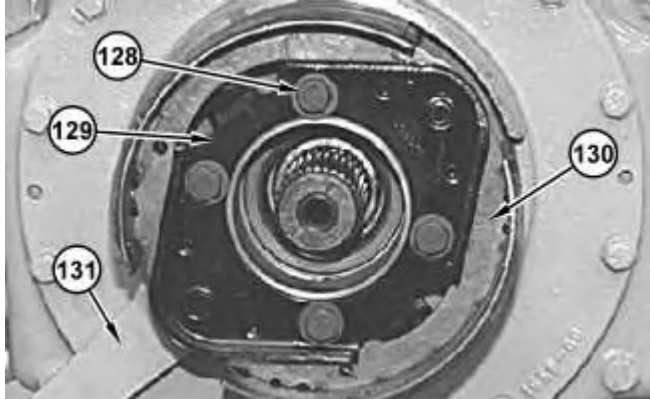


Illustration 7

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10. Install lever (131) and parking brake assembly (130).
11. Install plate (129). Install bolts (128).

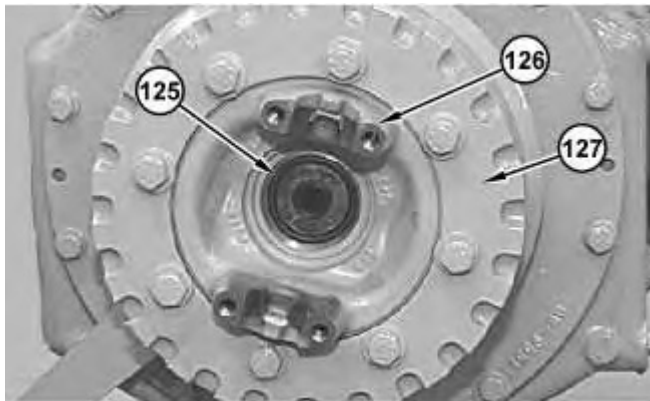
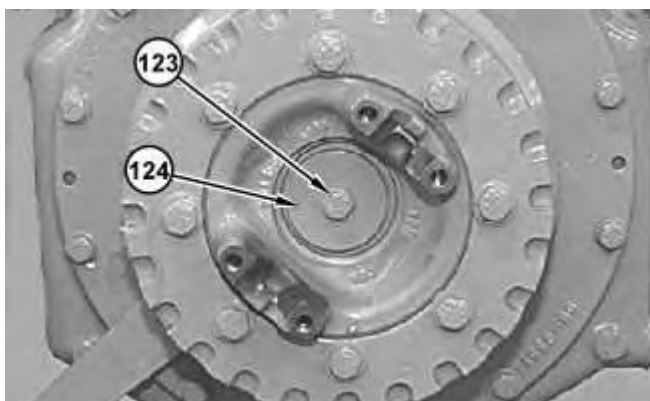


Illustration 8

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12. Install brake drum (127) and yoke (126) together. Install seal (125).



13. Install washer (124) and bolt (123). Tighten bolt (123) to a torque of $120 \pm 20 \text{ N}\cdot\text{m}$ ($89 \pm 15 \text{ lb ft}$).

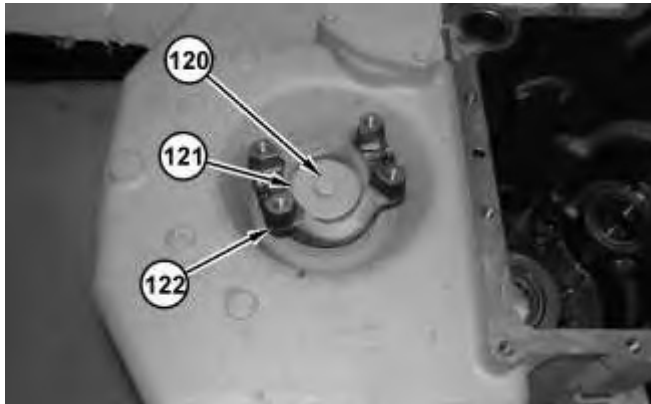


Illustration 10

14. Install yoke (122), washer (121), and bolt (120). Tighten bolt (120) to a torque of $120 \pm 20 \text{ N}\cdot\text{m}$ ($89 \pm 15 \text{ lb ft}$).

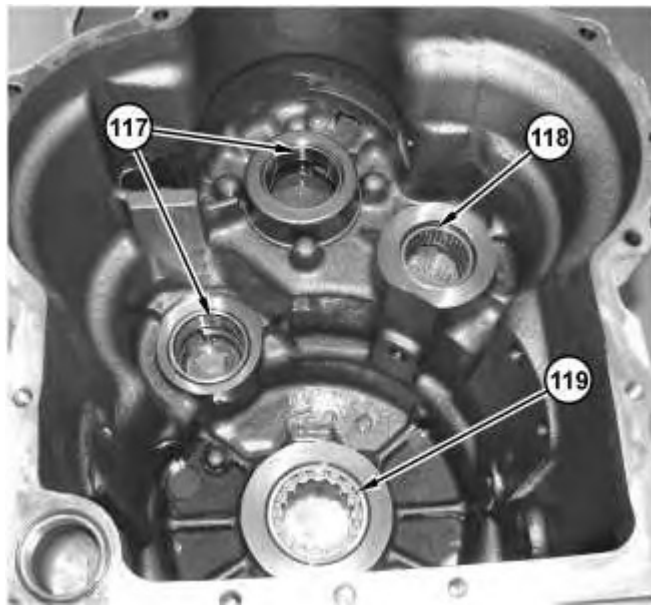


Illustration 11

15. Lower the temperature of bearing cup (117) and install bearing cup (117). Install bearings (118) and (119).
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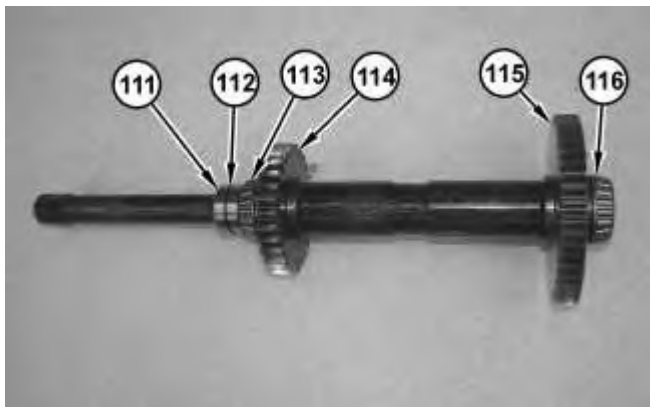


Illustration 12

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16. Install gear (114). Raise the temperature of bearing cone (113) and carrier (111). Install bearing cone (113) and carrier (111). Install ring seal (112) onto carrier (111).
17. Raise the temperature of bearing cone (116). Install gear (115) and bearing cone (116).

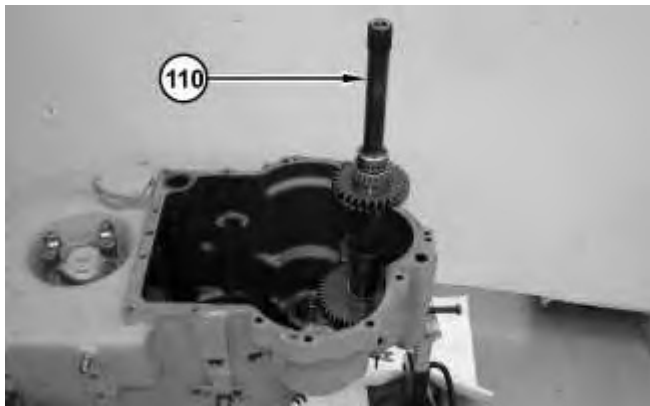


Illustration 13

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18. Install input shaft assembly (110).



Illustration 14

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19. Install seals (109) onto the piston.

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