



# Service Repair Manual

## **Models**

# 950H WHEEL LOADER

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Product: WHEEL LOADER

Model: 950H WHEEL LOADER MXL

Configuration: 950H Wheel Loader MXL00001-UP (MACHINE) POWERED BY C7 Engine

## Disassembly and Assembly 950H and 962H Wheel Loaders Power train

Media Number -UENR0789-00

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i05018792

# Transmission Planetary - Assemble

SMCS - 3160-016

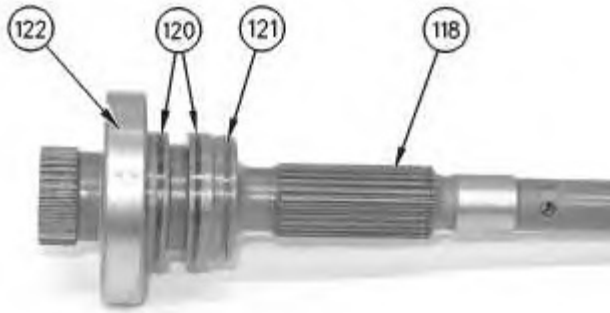
## Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7575	Link Bracket	2
C	136-1452	Retaining Ring Pliers	1
D	5P-5197	Retaining Ring Pliers	1
E	1P-1863	Retaining Ring Pliers	1
F	1P-0520	Driver Group	1
H	1P-0510	Driver Group	1

**Note:** Cleanliness is an important factor. Before assembly, clean all parts thoroughly in cleaning fluid. Allow the parts to air dry. Wiping cloths or rags should not be used to dry parts. Lint may be deposited on the parts causing later trouble. Inspect all parts. If any parts are worn or damaged, use new parts for replacement. During assembly, put clean transmission oil on all internal parts.

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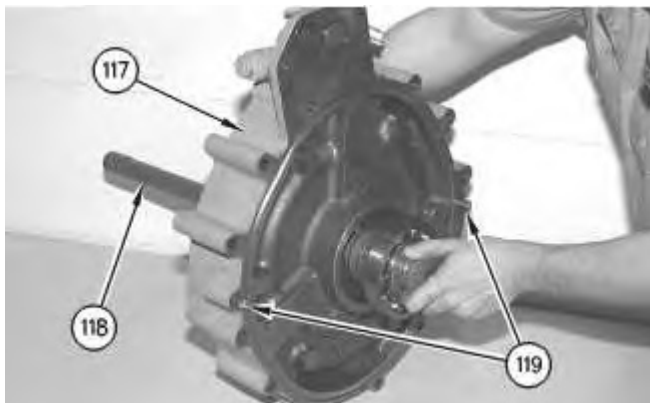


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Illustration 1

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1. Raise the temperature of bearing (122) and install bearing (122) on input shaft (118), as shown.
2. Apply clean transmission oil to seals (120) and to seal ring (121). Install seals (120) and seal ring (121) on input shaft (118) .



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Illustration 2

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3. Install dowels (119) in housing (117). The dowels must protrude from the housing by  $10.5 \pm 0.5$  mm ( $0.41 \pm 0.02$  inch).
  4. Carefully install input shaft (118) in housing (117) .
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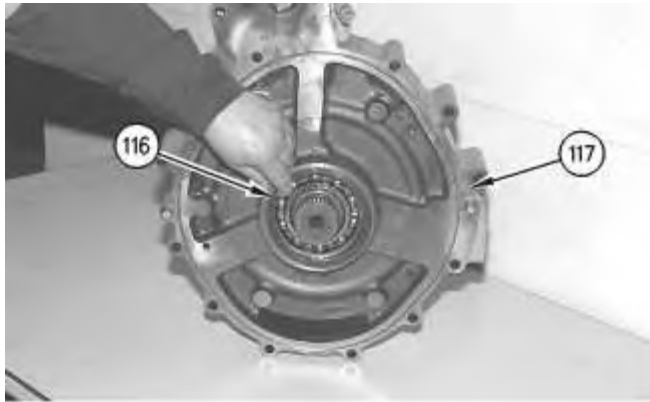


Illustration 3

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5. Install retaining ring (116) in order to hold the input shaft and the bearing in place in housing (117) .

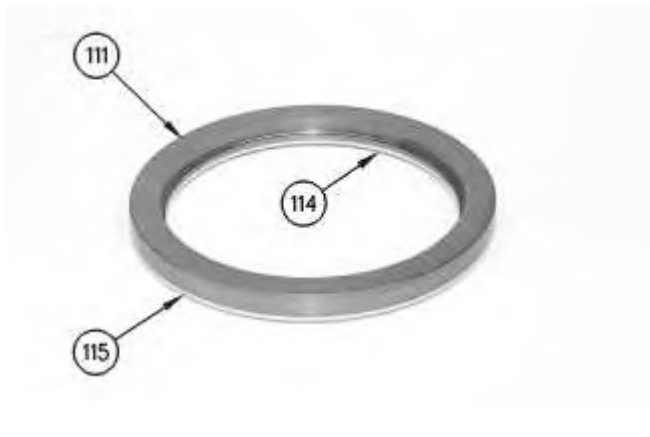


Illustration 4

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6. Install seal rings (114) and (115) on clutch piston (111) .

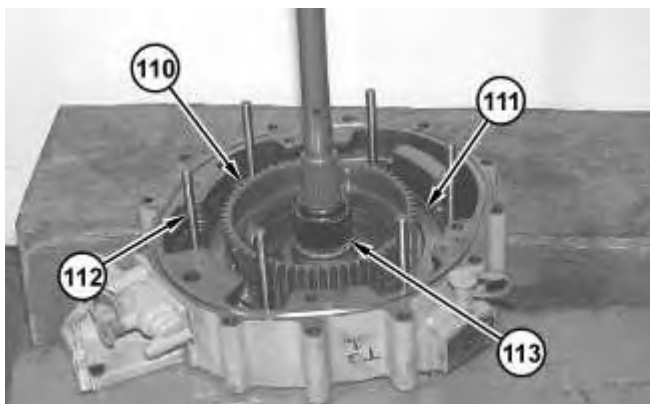


Illustration 5

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7. Install sun gear (113), clutch piston (111), coupling gear (110), and reaction dowels (112) .

**Note:** Make sure that the lips of the seals on clutch piston (111) are facing downward.

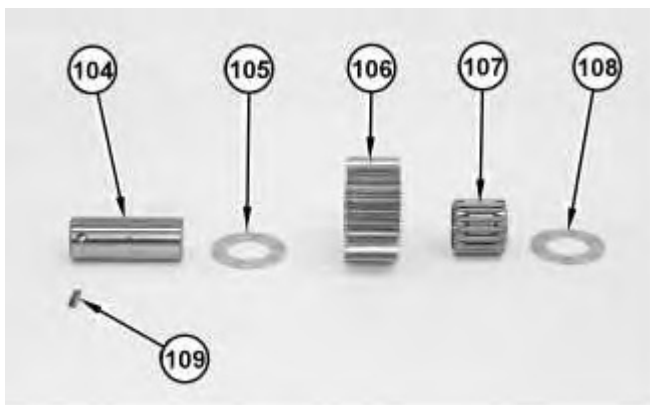


Illustration 6

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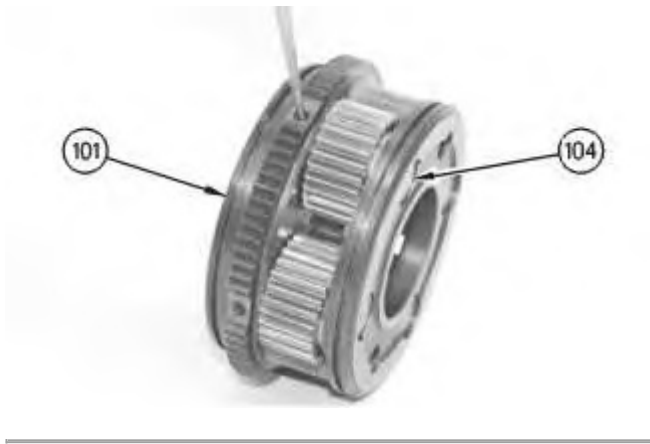


Illustration 7

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8. Install bearings (107) in planetary gears (106). Install the gear assemblies, thrust disc (105), thrust disc (108), and planetary shafts (104) in carrier assembly (101) .

9. Use a suitable hammer and a punch to install spring pins (109) that hold planetary shafts (104) in carrier assembly (101). Make sure that the spring pins are flush with the counterbore in the carrier.

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