

Product: WHEEL LOADER

Model: 990H WHEEL LOADER BWX

Configuration: 990H Wheel Loader BWX00001-UP (MACHINE) POWERED BY C27 Engine

Disassembly and Assembly 844H Wheel Dozer and 990H Wheel Loader Power Train

Media Number -REN8812-02

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i02499644

Input Transfer Gears - Disassemble

SMCS - 3159-015-IV

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1H-3112	Bearing Cup Puller	1
	8B-7548	Push-Puller Tool Gp	1
B	8B-7548	Push-Puller Tool Gp	1
	8B-7551	Bearing Puller	1
	8H-0684	Ratchet Wrench	1
	8B-7560	Step Plate	1
C	8B-7548	Push-Puller Tool Gp	1
	8B-7551	Bearing Puller	1
	8H-0684	Ratchet Wrench	1
	8B-7560	Step Plate	1
	1P-0510	Driver Gp	1

Start By:

- a. Separate the transfer gears from the transmission. Refer to Disassembly and Assembly, "Transmission from Transfer Gears - Separate".
 1. Place the input transfer gears on suitable blocks.

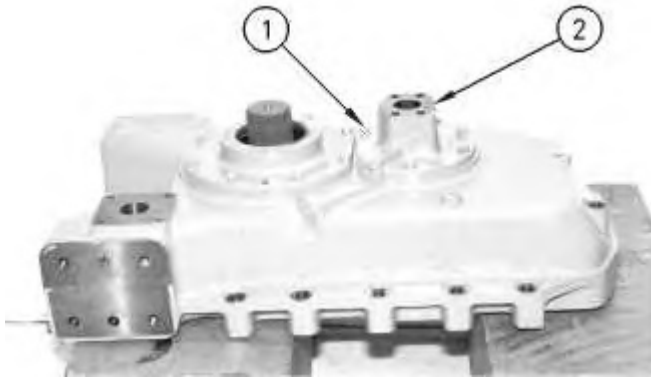


Illustration 1

g00862308

2. Remove bolts (1) from manifold (2).

Note: Bolts (1) can be used as forcing screws in order to loosen manifold (2).

3. Remove manifold (2).



Illustration 2

g00862309

4. Remove O-ring seal (3) and O-ring seal (4) from manifold (2).

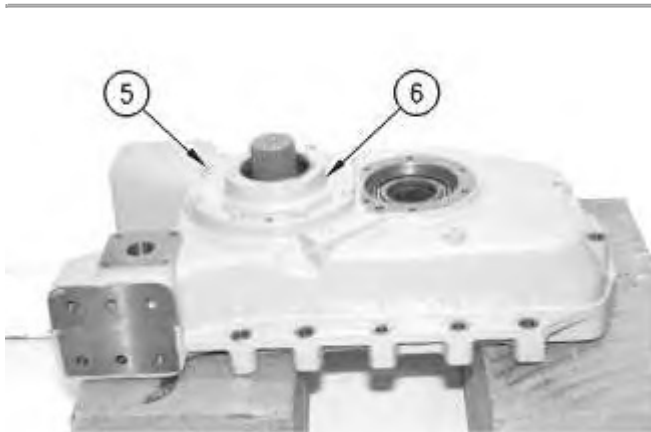


Illustration 3

g00862310

5. Remove bolts (5) from input bearing cage (6).

Note: Bolts (5) can be used as forcing screws in order to loosen input bearing cage (6).

6. Remove input bearing cage (6) from the transfer case assembly.



Illustration 4

g00862311

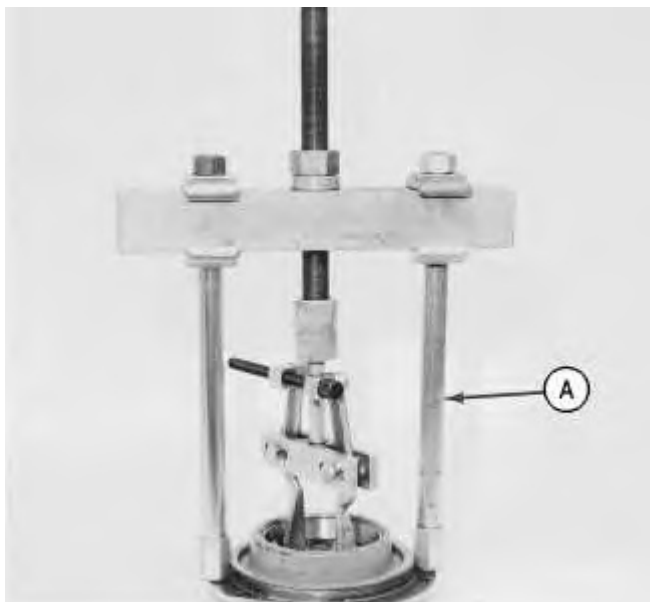


Illustration 5

g00512372

Typical Example

7. Remove O-ring seal (7) from the bearing cage.

8. Use Tooling (A) in order to remove bearing cup (8) from the bearing cage.



Illustration 6

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9. Remove lip seal (9) from input bearing cage (6).

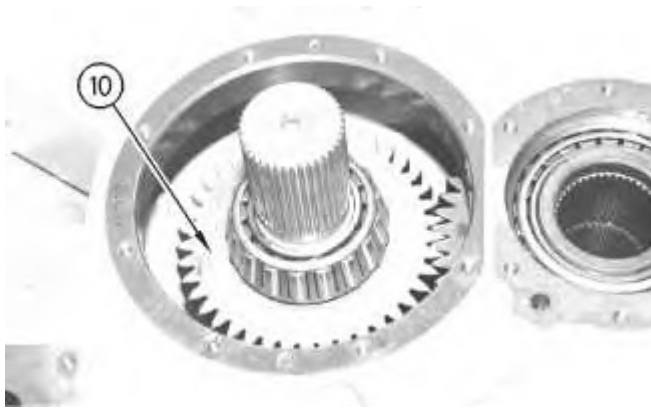


Illustration 7

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10. Remove input gear assembly (10) from the transfer case.

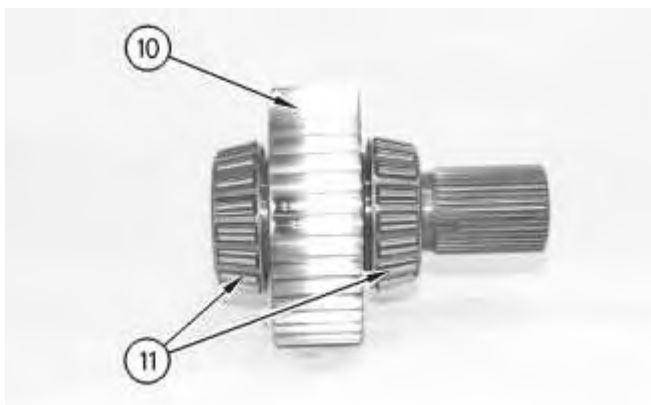


Illustration 8

g00862315

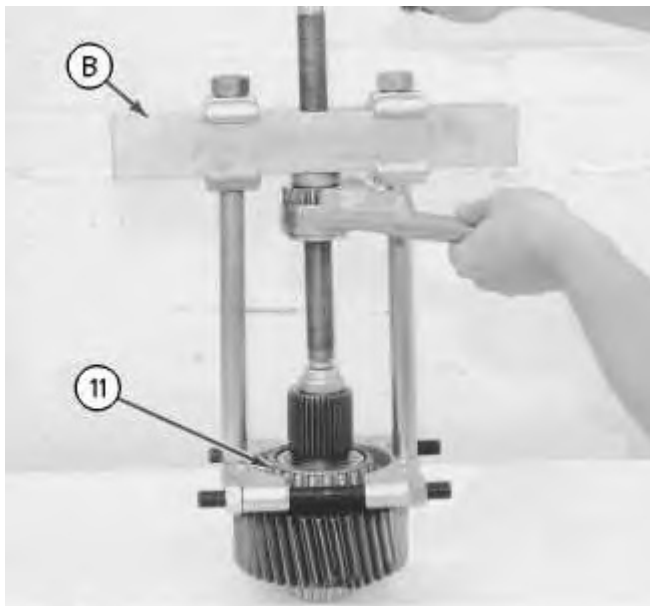


Illustration 9

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11. Use Tooling (B) in order to remove bearing cones (11) from input gear assembly (10).

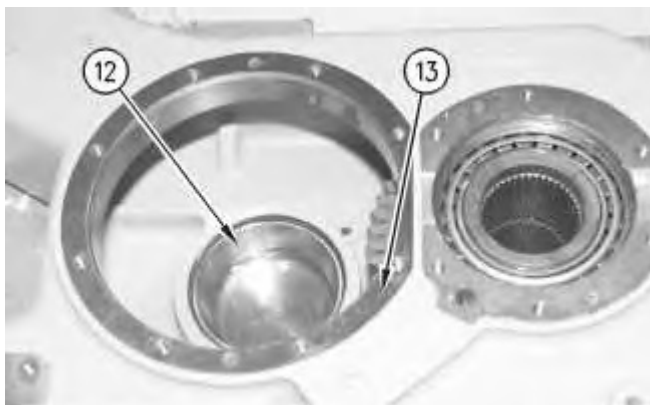


Illustration 10

g00862316

12. Use Tooling (A) in order to remove bearing cup (12).
13. Remove shim pack (13) from the transfer case assembly.



14. Turn over the transfer case assembly, as shown.
15. Remove bolts (14) from output bearing cage (15).

Note: Use bolts (14) as forcing screws, if necessary.



Illustration 12

16. Use Tooling (A) in order to remove bearing cup (16) from output bearing cage (15).

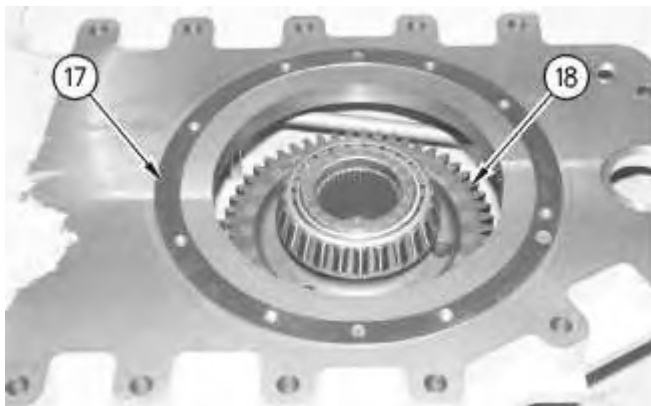


Illustration 13

17. Remove shim pack (17) and output gear assembly (18) from transfer case assembly.
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