

Product: WHEEL SCRAPER

Model: 623F WHEEL SCRAPER 3XW

Configuration: 623F Wheel Tractor-Scraper 3XW00001-UP (MACHINE) POWERED BY 3406C Engine

## Disassembly and Assembly 623F Wheel Tractor-Scraper Machine Systems

Media Number -REN1466-00

Publication Date -01/11/1998

Date Updated -09/10/2001

i02323250

# Vane Pump (Hydraulic and Steering) - Disassemble

SMCS - 5055-015

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-1859	Retaining Ring Pliers	1

### Start By:

- A. Remove the hydraulic and steering pump. Refer to Disassembly and Assembly, "Vane Pump (Hydraulic and Steering) - Remove".

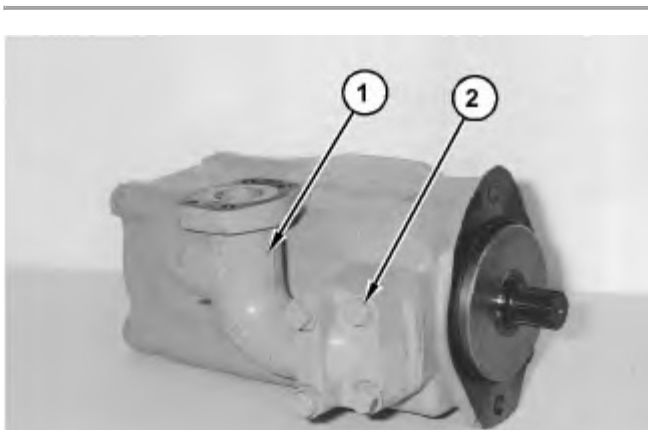


Illustration 1

g01035322

1. Remove bolts (2) that secure elbow (1) to the hydraulic and steering pump. Remove elbow (1) and the O-ring seal.

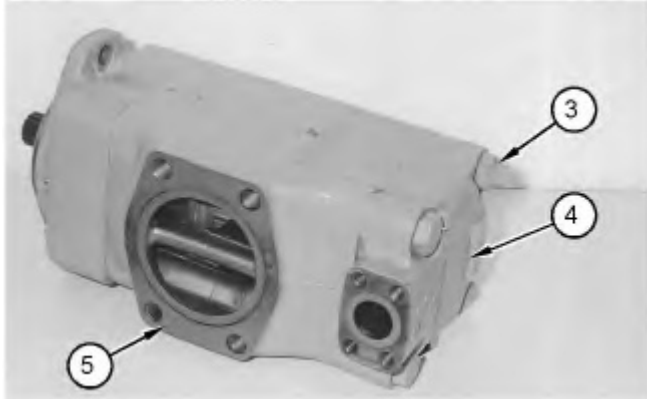


Illustration 2

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2. Remove bolts (3) and cover (4) from cover assembly (5) .

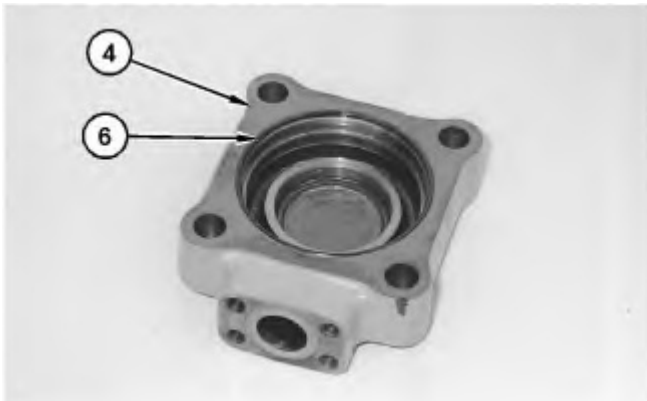


Illustration 3

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3. Remove O-ring seal (6) from cover (4) .
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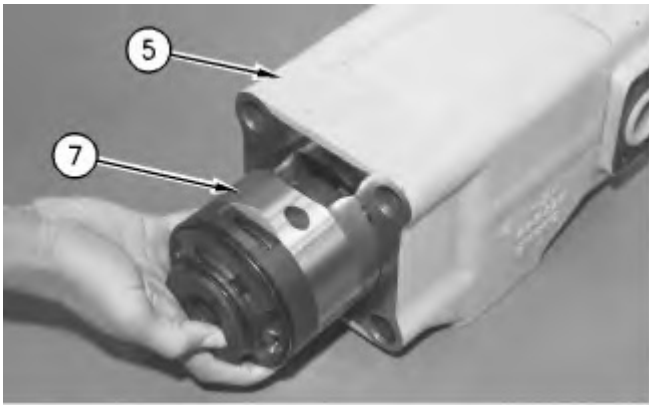


Illustration 4

g00508670

4. Remove cartridge assembly (7) from cover assembly (5) .



Illustration 5

g00508671

5. Remove cover assembly (5) from body (8) .

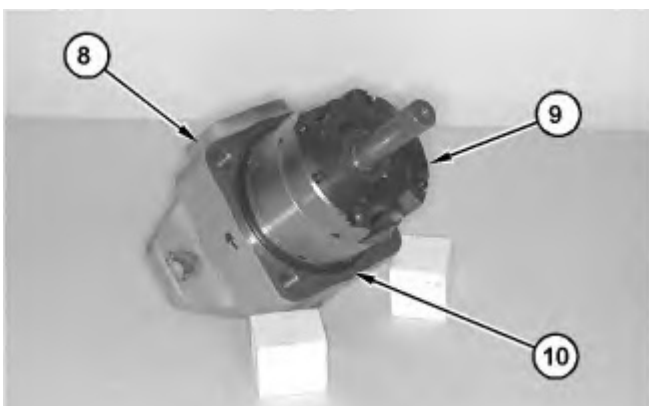
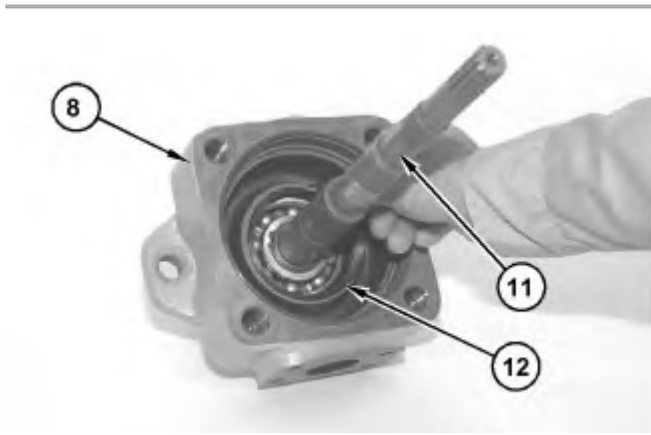


Illustration 6

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6. Remove cartridge assembly (9) and O-ring seal (10) from body (8) .

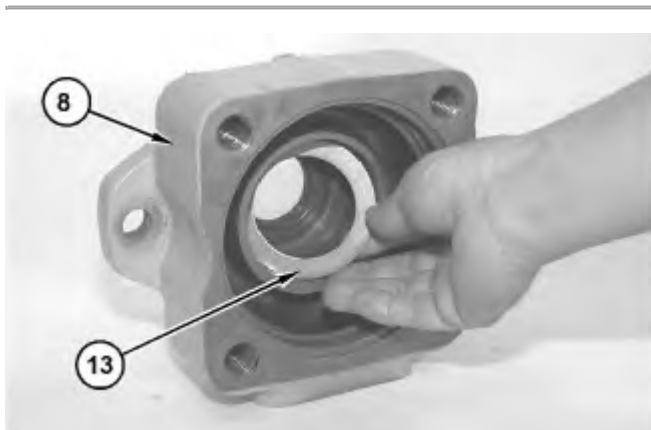


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Illustration 7

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7. Remove retaining ring (12) from body (8) .
8. Remove shaft (11) from body (8) .

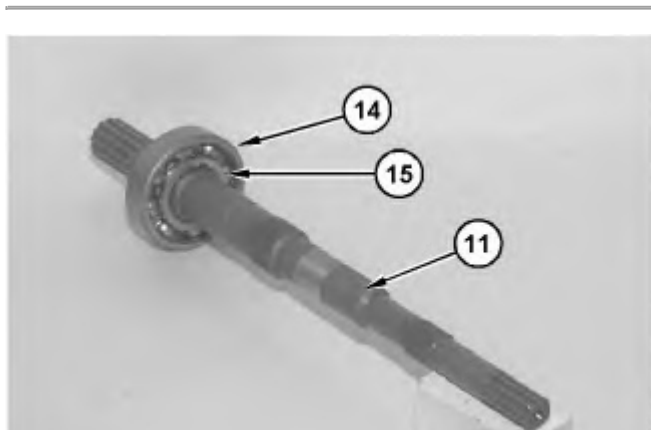


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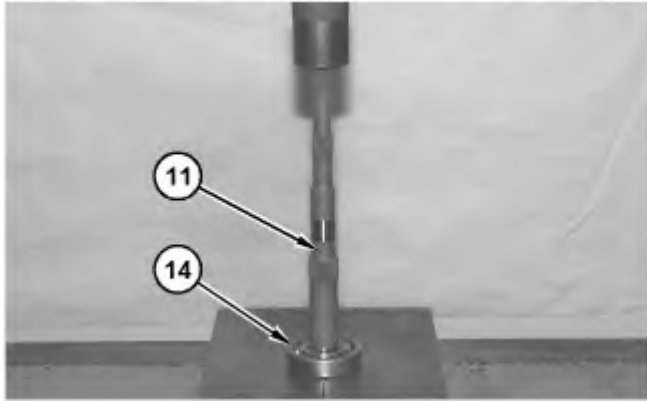
Illustration 8

g01070056

9. Remove washer (13) from body (8) .



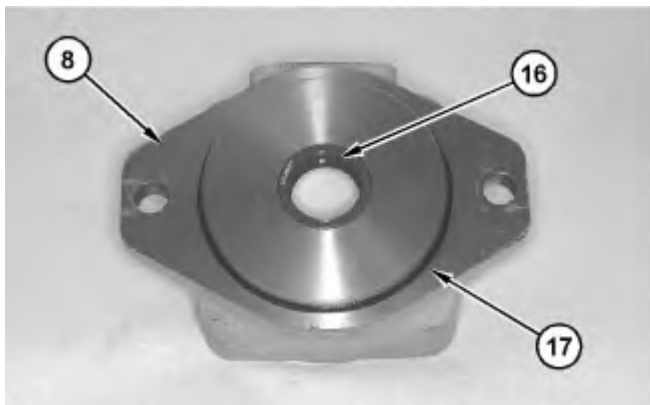
10. Use Tooling (A) to remove retaining ring (15) from bearing (14) and shaft (11) .



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Illustration 10

11. Use a suitable press to remove bearing (14) from shaft (11) .



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Illustration 11

12. Remove lip seals (16) and O-ring seal (17) from body (8) .
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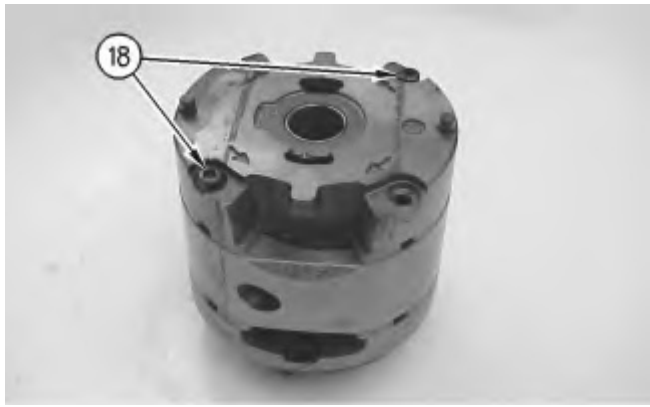


Illustration 12

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13. Remove bolts (18) .

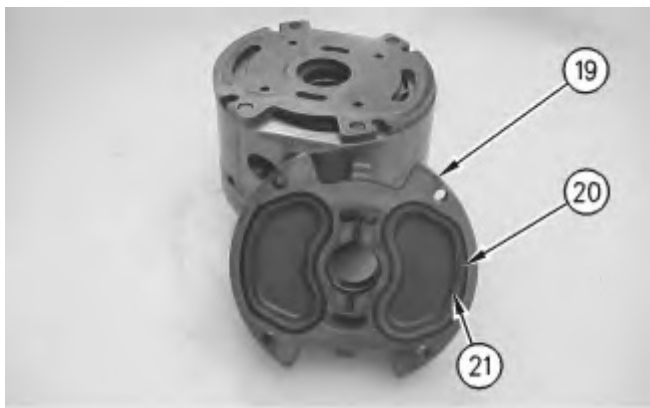


Illustration 13

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14. Remove cap (19) .

15. Remove seals (20) and backup rings (21) .

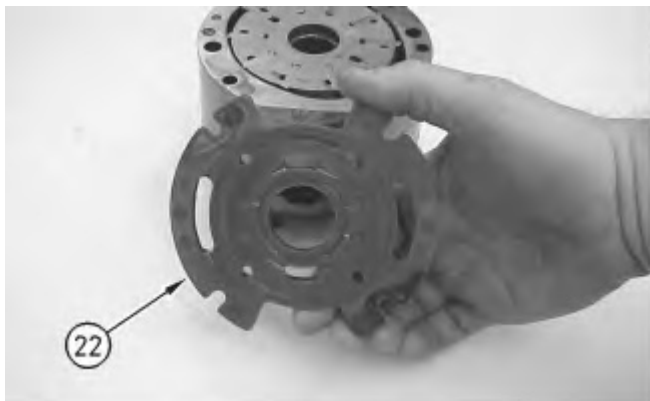


Illustration 14

g00839075

16. Remove plate (22) .



Illustration 15

g00839059

**Note:** The arrow on cam ring (23) shows the direction of rotation of the vane pump.

17. Note the location of the arrow on cam ring (23) for assembly purposes.

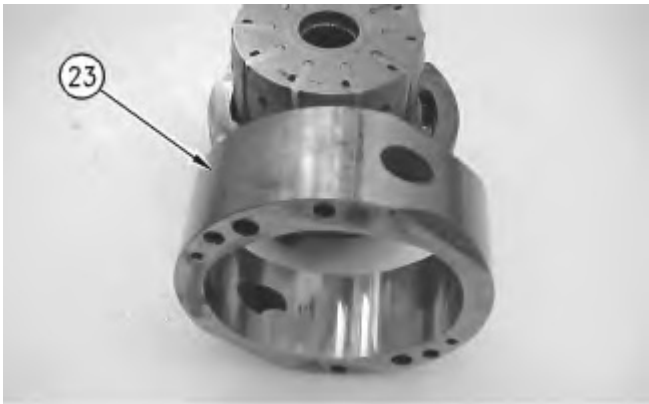


Illustration 16

g00839076

18. Remove cam ring (23) .

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