

Product: COMPACTOR

Model: CB16 COMPACTOR HP5

Configuration: CB16 Asphalt Compactor HP500001-UP (MACHINE) POWERED BY C4.4B Engine

Disassembly and Assembly CB13, CB15, and CB16 Asphalt Compactors Machine Systems

Media Number -M0091213-00

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i07332262

Final Drive Planetary - Disassemble

SMCS - 4050-015; 4084-015

Disassembly Procedure

Start By:

- a. Remove the final drive planetary.

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	150-1782	Crossblock	1
	1U-5230	Hydraulic Pump Assembly	1
	126-7179	Puller Leg	2
	4C-4660	Adapter-Threaded	2
	3H-0465	Push-Puller Plate	4
	360-6956	Hydraulic Cylinder	1
B	6V-8359	Bolt	2
C	1P-2420	Transmission Repair Stand	1
D	1U-6400	Three Jaw Puller	1
E	8B-7554	Bearing Cup Puller Gp	1
	1P-0510	Driver Gp	1
F	6V-6080	Torque Multiplier Gp	1
	524-2773	Socket As	1

G	1U-9889	Crossblock	1
	4C-5660	Adapter-Threaded	2
	5F-7369	Puller Leg	2
	3H-0465	Push-Puller Plate	2
	5P-5247	Hydraulic Puller As	1
H	439-3939	Link Bracket As	3
J	1U-9889	Crossblock	1
	3H-0469	Leg	2
	3H-0465	Push-Puller Plate	4
	1P-0520	Driver Gp	1
	360-6964	Hydraulic Cylinder	1
	1U-5230	Hydraulic Pump Assembly	1

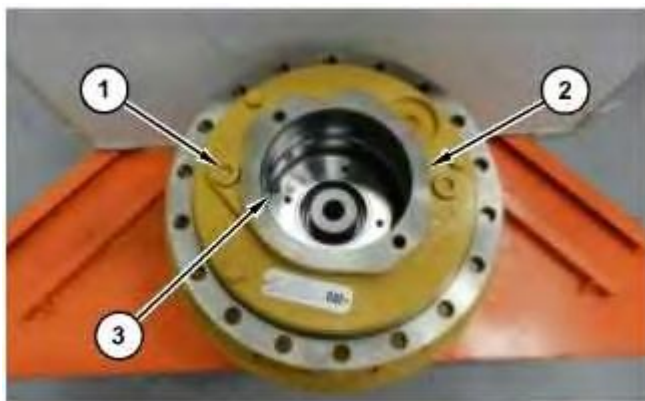


Illustration 1

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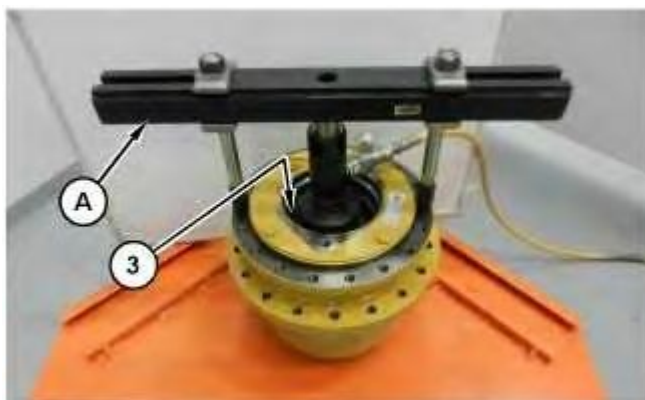


Illustration 2

g06172710

WARNING

Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

1. Remove bolts (1), flange (2), and the O-ring seal.
2. Use Tooling (A) to compress the plate away from retaining ring (3).
3. Remove retaining ring (3) and release pressure from Tooling (A). Remove Tooling (A).

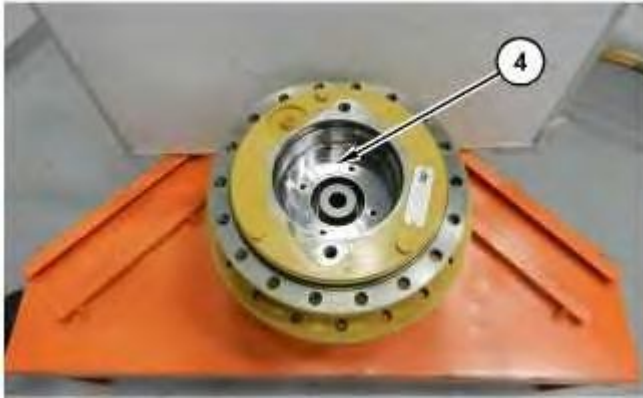


Illustration 3

g06172716

4. Remove plate (4).

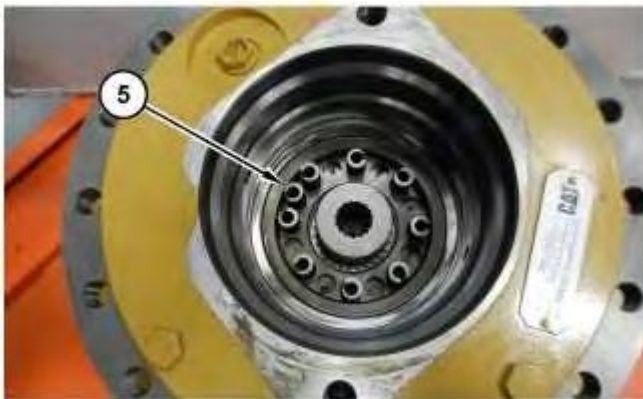


Illustration 4

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5. Remove springs (5).
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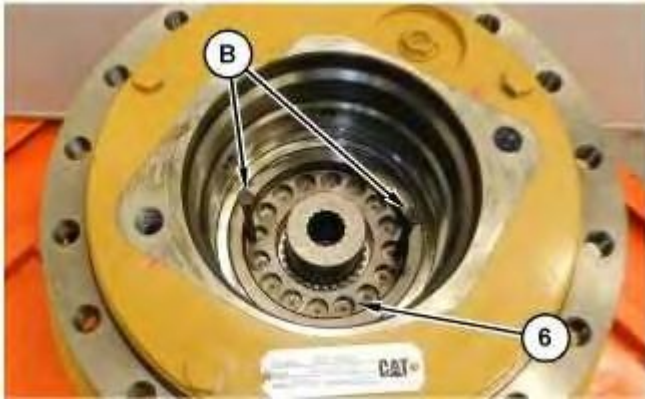


Illustration 5

g06172730

6. Use Tooling (B) to remove piston (6).



Illustration 6

g06172740

7. Remove discs (7) and the shims.



Illustration 7

g06172742

8. Remove backup rings (8) and O-ring seals (9).

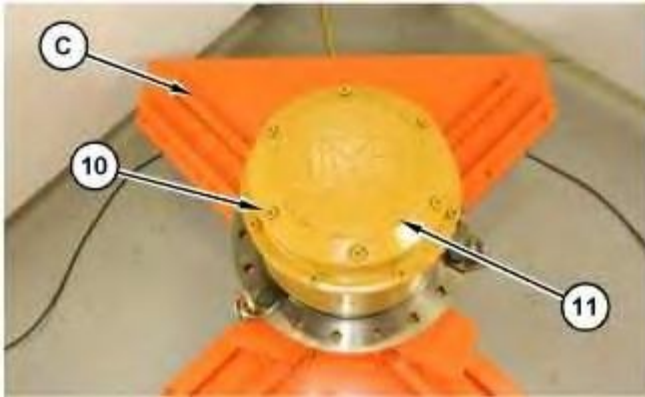


Illustration 8

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9. Secure the final drive to Tooling (C) or a suitable bench. The weight of the final drive is approximately 110 kg (243 lb).
10. Remove bolts (10) and cover (11).

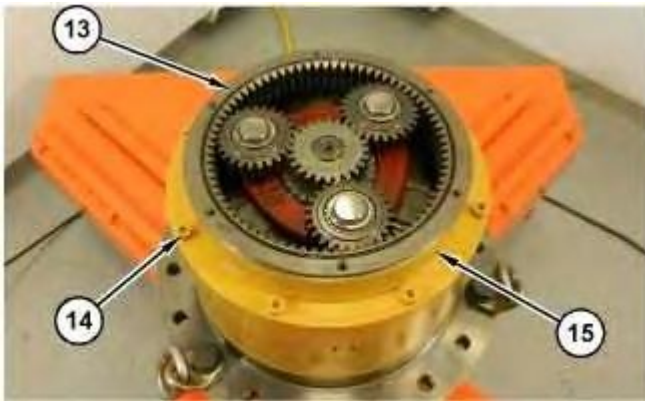


Illustration 9

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11. Remove O-ring seal (13), bolts (14), and gear (15).



Illustration 10

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12. Remove O-ring seal (16) from gear (15).



Illustration 11

g06172753

13. Remove gear (17) and carrier assembly (18).

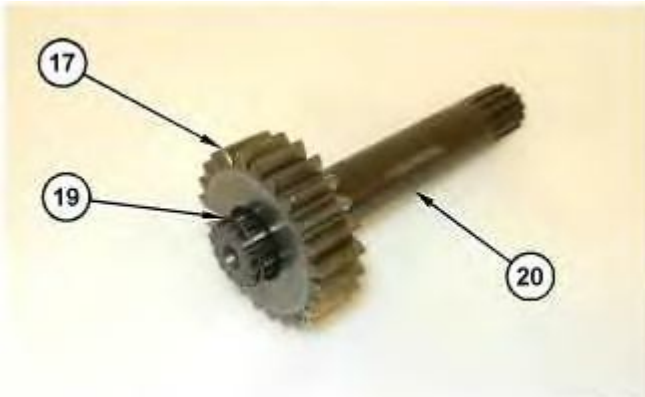


Illustration 12

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14. Remove retaining ring (19) and gear (17) from shaft (20).



Illustration 13

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15. Remove retaining rings (21).

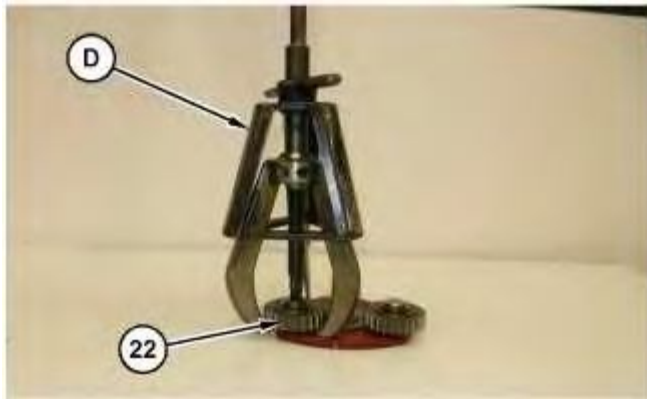


Illustration 14

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16. Use Tooling (D) to remove gears (22).

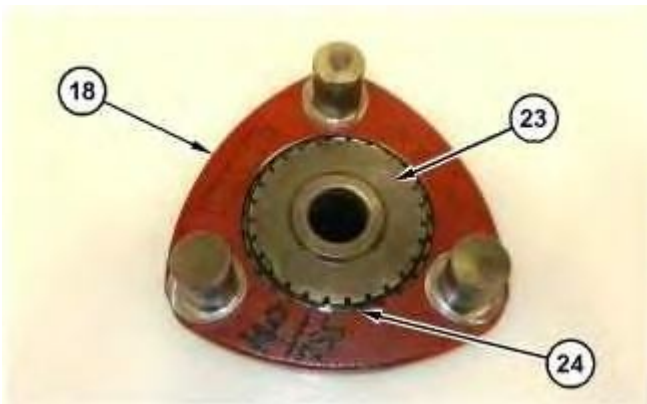


Illustration 15

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17. Remove retaining ring (24) and gear (23) from carrier assembly (18).



Illustration 16

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18. Remove carrier assembly (25).



Illustration 17

g06172766

19. Remove spacer (26) and retaining rings (27) from carrier assembly (25).

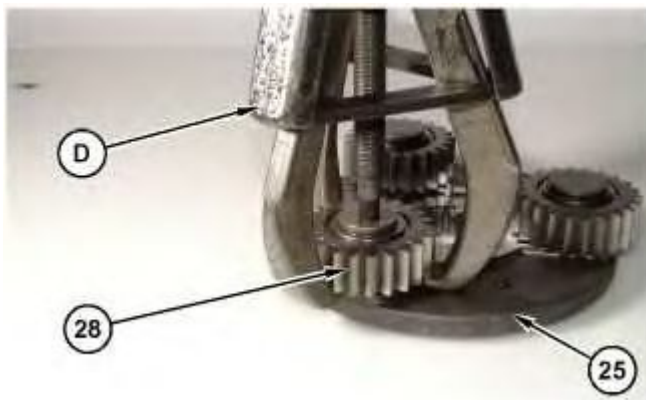


Illustration 18

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20. Use Tooling (B) to remove gears (28) from carrier assembly (25).



Illustration 19

g06172771

21. Remove gear (29).
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Illustration 20

g06172772

22. Use pry bars to remove gear (30).



Illustration 21

g06172773

23. Remove retaining rings (31).

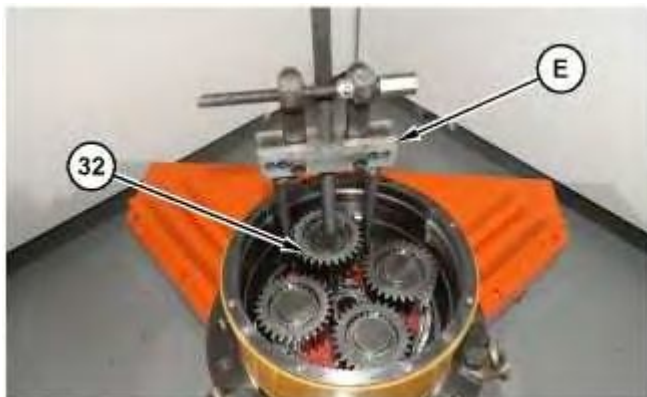


Illustration 22

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24. Use Tooling (E) to remove gears (32).



Illustration 23

g06172775



Illustration 24

g06172776



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Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

25. Use Tooling (F) to remove bearing locknut (33).



Illustration 25

g06172777



Illustration 26

g06172778

26. Use Tooling (G) to separate hub (34).
27. Use Tooling (H) and a suitable lifting device to remove hub (34). The weight of hub (34) is approximately 37 kg (80 lb).



Illustration 27

g06172910

28. Remove bearing cone (35) from hub (34).



Illustration 28

g06172779

29. Remove duo-cone seal (36) from hub (34).



Illustration 29

g06172906

30. Remove bearing cups (37) from hub (34).



Illustration 30

g06173076

31. Use Tooling (J) to remove spacer (38) and bearing cone (39).



Illustration 31

g06173085

32. Remove duo-cone seal (40) from spindle (41).



Illustration 32

g06173089

33. Remove retaining ring (42) from spindle (41).
34. Use a soft faced hammer to remove shaft assembly (43) from the opposite side on spindle (41).



Illustration 33

g06173098

35. Remove retaining ring (44) and roller bearing (45) from shaft assembly (43).

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