

Product: COMPACTOR

Model: CB10 COMPACTOR P8P

Configuration: CB10 Asphalt Compactor P8P00001-UP (MACHINE) POWERED BY C4.4 Engine

Disassembly and Assembly CB10 Vibratory Asphalt Compactor Machine Systems

Media Number -M0079158-02

Publication Date -01/12/2014

Date Updated -29/11/2017

i04855310

Eccentric Weight - Disassemble - Solid Drum

SMCS - 6606-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	6V-2157	Link Bracket	3
B	8B-7554	Bearing Cup Puller Gp	1
C	1P-0510	Driver Gp	1

Start By:

- a. Remove the eccentric weight. Refer to Disassembly and Assembly, "Eccentric Weight - Remove".

Note: Cleanliness is an important factor. Before you begin the disassembly procedure, the exterior of the components should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism. Precision components can be damaged by contaminants or by dirt. Perform disassembly procedures on a clean work surface. Keep components covered and protected at all times.

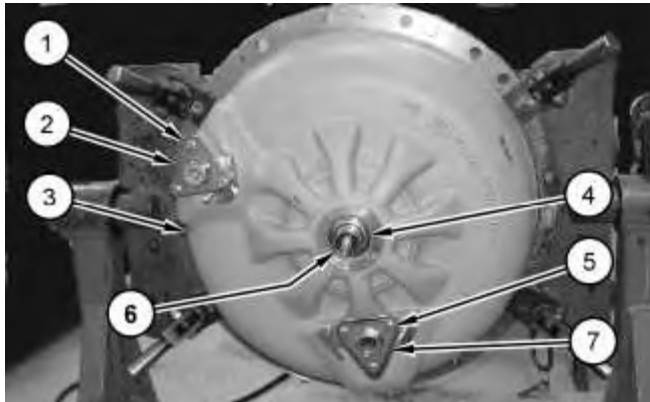


Illustration 1

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1. Remove bolts (1), plate (2), bolts (5), and plate (7).
2. Remove the dust cover (4) and lip seal (6) from eccentric weight group (3), if equipped.

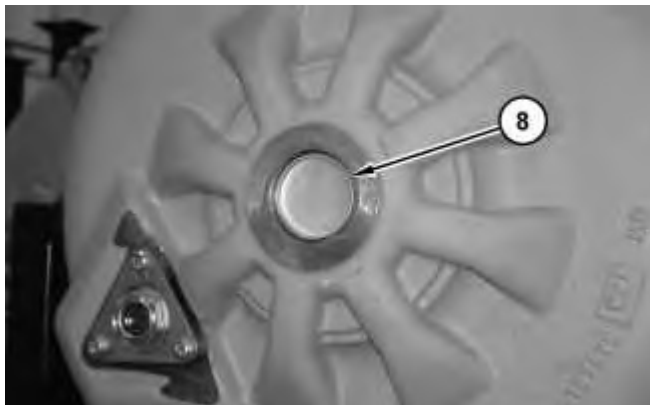


Illustration 2

g01218923

3. Remove cup plug (8), if equipped.



Illustration 3

g01219057

4. Remove dust cover (9) and lip seal (10).
-



Illustration 4

g01121048

5. Remove pin (13) and bolts (12).
6. Attach Tooling (A) and a suitable lifting device to eccentric weight housing (11). Remove eccentric weight housing (11). The weight of eccentric weight housing (11) is approximately 58 kg (128 lb).

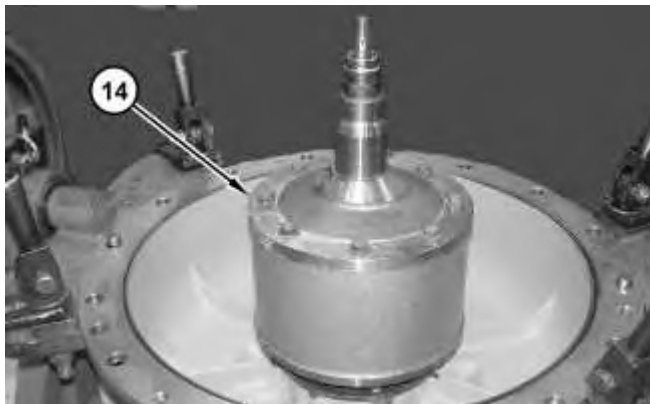


Illustration 5

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7. Use a suitable lifting device in order to remove eccentric weight (14). The weight of eccentric weight (14) is approximately 50 kg (110 lb).

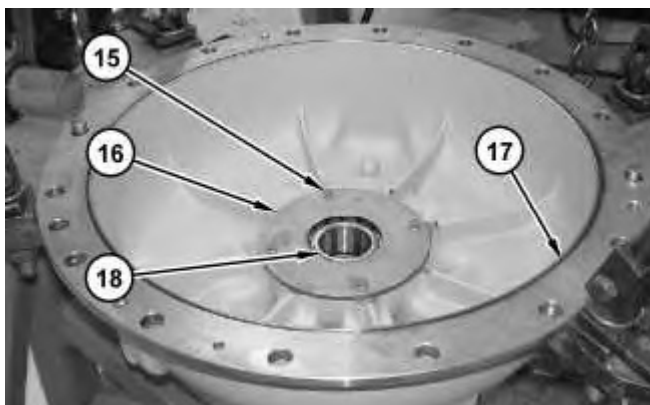


Illustration 6

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8. Remove bolts (15) and bearing retainer (16).
9. Use Tooling (B) in order to remove bearing (18). Remove O-ring seal (17).

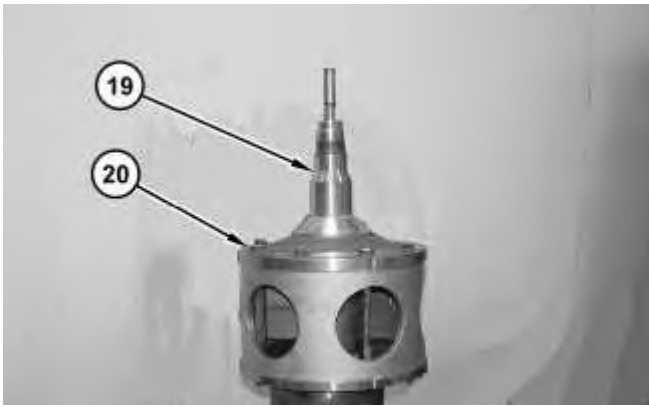


Illustration 7

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10. Remove bolts (20) and shaft (19).



Illustration 8

g01121241

11. Remove weight (21) from shaft (22).

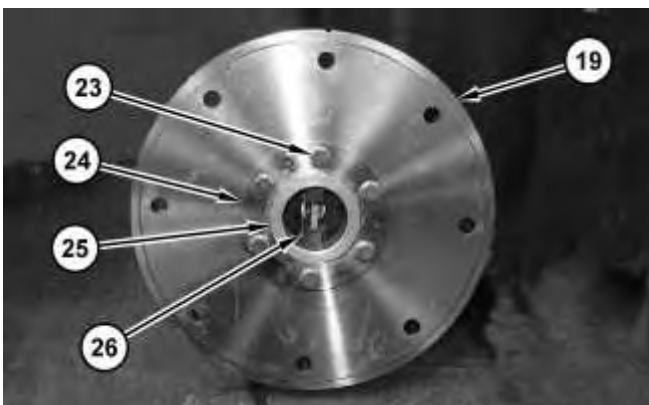


Illustration 9

g01121242

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.

12. Remove bolts (23). Remove thrust block (24) from shaft (19).
13. Use Tooling (C) in order to remove bushing (25). Remove shaft (26).

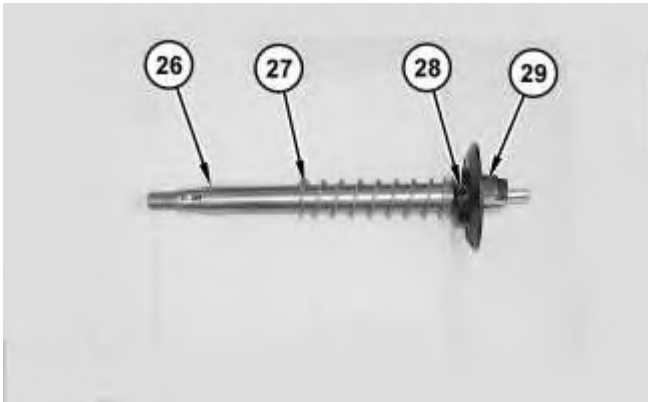


Illustration 10

g01122175

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.

14. Remove roll pin (28), spring (27), and key (29) from shaft (26).
-

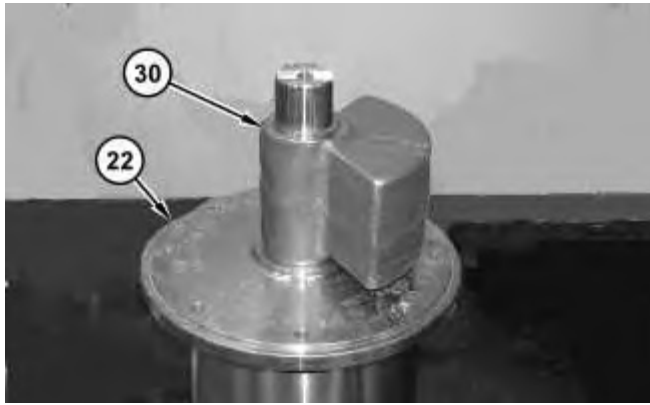


Illustration 11

g01121436

15. Remove weight assembly (30) from shaft (22).

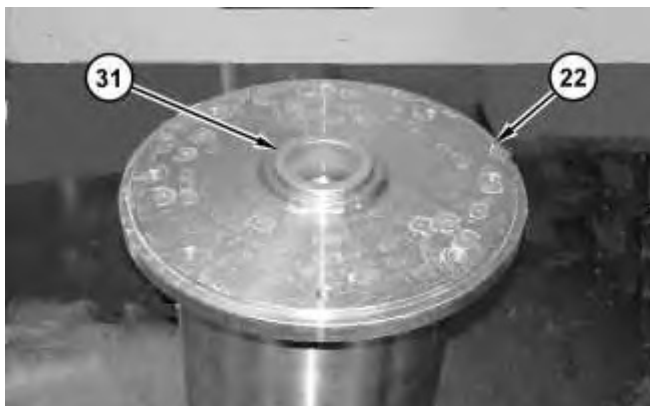


Illustration 12

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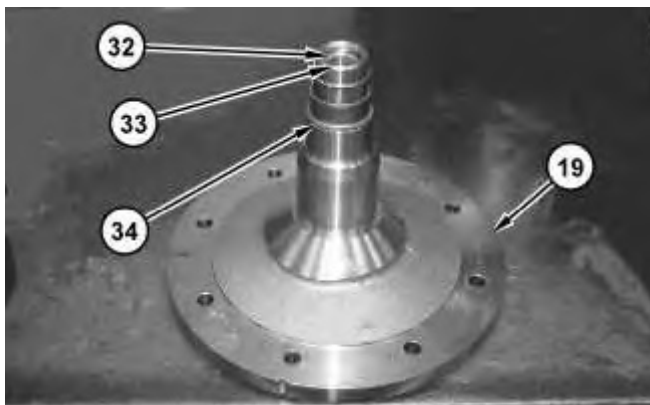


Illustration 13

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16. Use Tooling (C) in order to remove bushing (31) from shaft (22).
17. Remove oil ring (32), sleeve bearing (33), and sleeves (34) from shafts (19) and (22).

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Media Number -M0079158-02

Publication Date -01/12/2014

Date Updated -29/11/2017

i05976525

Eccentric Weight - Disassemble - Split Drum

SMCS - 6606-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7575	Link Bracket	2
B	138-7573	Link Bracket	2
C	127-8458	Final Drive Bench Ar	1
D	194-3885	Adapter Ring	1
E	347-1694	Spanner Socket	1
F	3S-6224	Electric Hydraulic Pump Gp	1
G	FT-3160	Shaft As	1
H	1P-0520	Driver Gp	1

Start By:

- A. Remove the eccentric weight. Refer to Disassembly and Assembly, "Eccentric Weight - Remove".

Note: Cleanliness is an important factor. Before you begin the disassembly procedure, the exterior of the components should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism. Precision components can be damaged by contaminants or by dirt. Perform disassembly procedures on a clean work surface. Keep components covered and protected at all times.

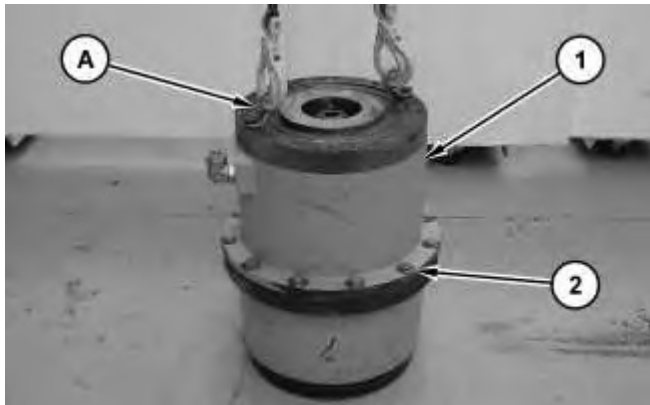


Illustration 1

g02039418

1. Attach Tooling (A) and a suitable lifting device to housing (1) . The weight of housing (1) is approximately 102 kg (225 lb). Remove bolts (2) . Use Tooling (A) and the suitable lifting device to remove housing (1) .

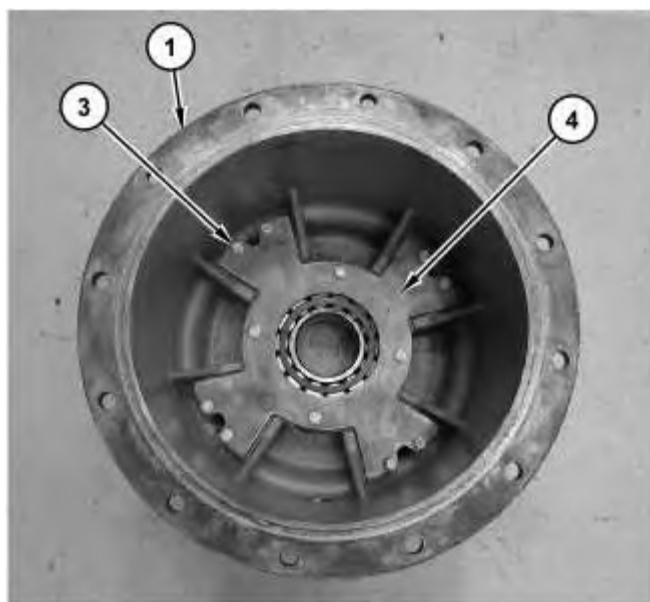


Illustration 2

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2. Remove bolts (3) and plate (4) from housing (1) .
-

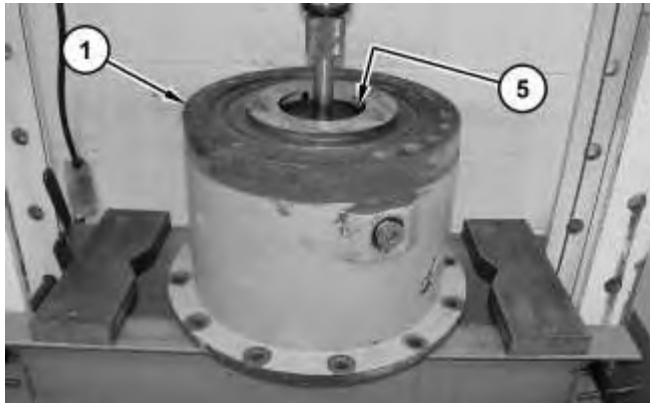


Illustration 3

g02039439

3. Use Tooling (A) and the suitable lifting device to position housing (1) onto a suitable press.
4. Use Tooling (H) and the suitable press to remove bearing (5) from housing (1) .

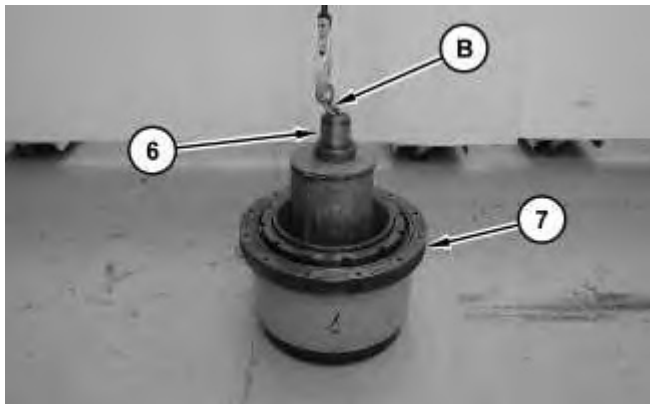


Illustration 4

g02039441

5. Attach one of Tooling (B) and a suitable lifting device to shaft group (6) . The weight of shaft group (6) is approximately 77 kg (170 lb). Remove shaft group (6) from bearing housing (7) .



6. Remove set screws (8) . Remove O-ring seal (9) .

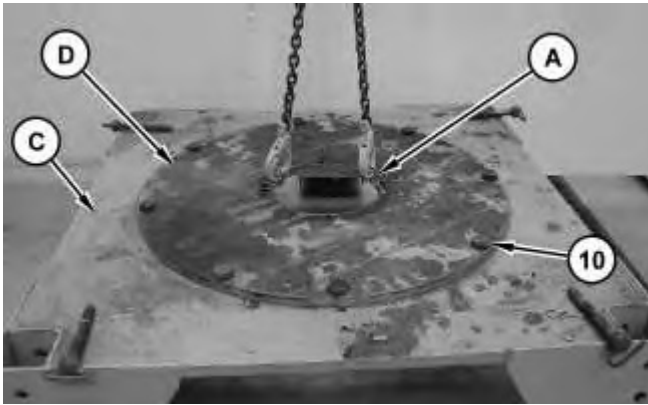


Illustration 6

7. Use Tooling (A) and a suitable lifting device to position Tooling (D) onto Tooling (C) . The weight of Tooling (D) is approximately 100 kg (220 lb). Secure Tooling (D) to Tooling (C) with bolts (10) : Refer to Tool Operating Manual, NEHS0673, "127-8458 Final Drive Disassembly and Assembly Bench". Remove Tooling (A) and the suitable lifting device.

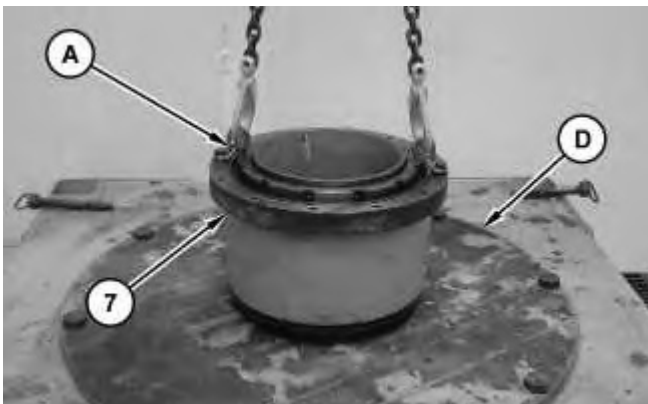


Illustration 7

8. Use Tooling (A) and a suitable lifting device to position bearing housing (7) onto Tooling (D) . The weight of bearing housing (7) is approximately 193 kg (425 lb).
-

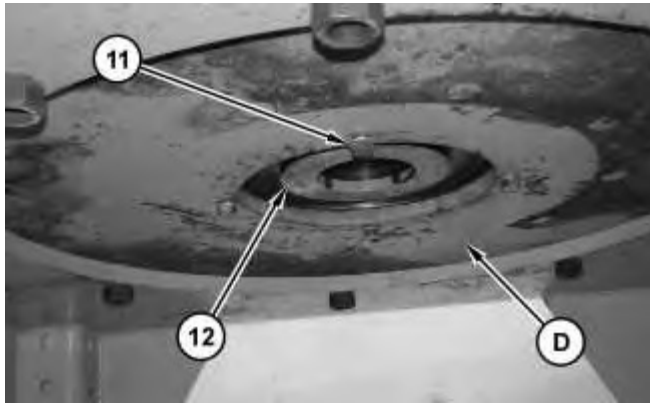


Illustration 8

g02040334

- Secure shaft housing (12) to Tooling (D) with bolts (11) . Do not tighten bolts (11) all the way.

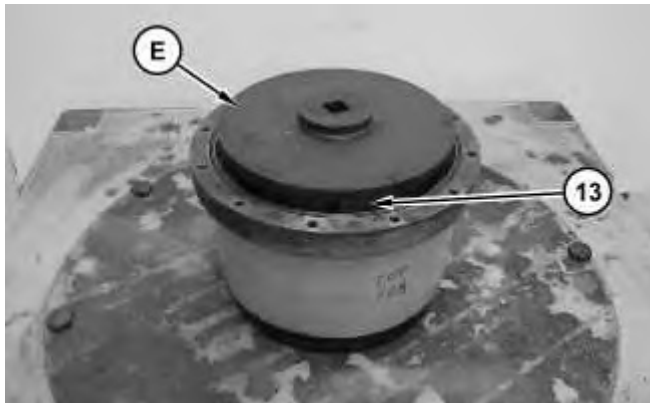


Illustration 9

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- Use two people to position Tooling (E) on nut (13) . The weight of Tooling (E) is approximately 25 kg (54 lb).

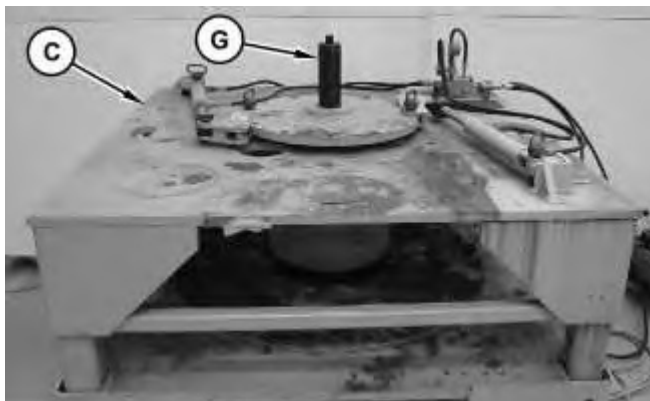


Illustration 10

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11. Use a suitable lifting device to position the upper bench of Tooling (C) on the lower bench of Tooling (C) . The weight of the upper bench of Tooling (C) is approximately 794 kg (1750 lb). Secure the upper bench of Tooling (C) to the lower bench of Tooling (C) with pins. Refer to Tool Operating Manual, NEHS0673, "127-8458 Final Drive Disassembly And Assembly Bench".
12. Install Tooling (G) .
13. Tighten bolts (11) on the underside of the lower bench for Tooling (C) in order to secure housing (7) : Refer to Illustration 8.
14. Use Tooling (G) , Tooling (E) , and Tooling (C) to loosen nut (12) . Refer to Tool Operating Manual, NEHS0673, "127-8458 Final Drive Disassembly and Assembly Bench" for the correct Tooling and the correct procedure.
15. Remove Tooling (G) .
16. Attach a suitable lifting device to the upper bench of Tooling (C) . The weight of the upper bench of Tooling (C) is approximately 794 kg (1750 lb).
17. Remove four pins that secure the upper bench of Tooling (C) to the lower bench of Tooling (C) : Refer to Tool Operating Manual, NEHS0673, "127-8458 Final Drive Disassembly and Assembly Bench".
18. Use the suitable lifting device to remove the upper bench of Tooling (C) from the lower bench of Tooling (C) .

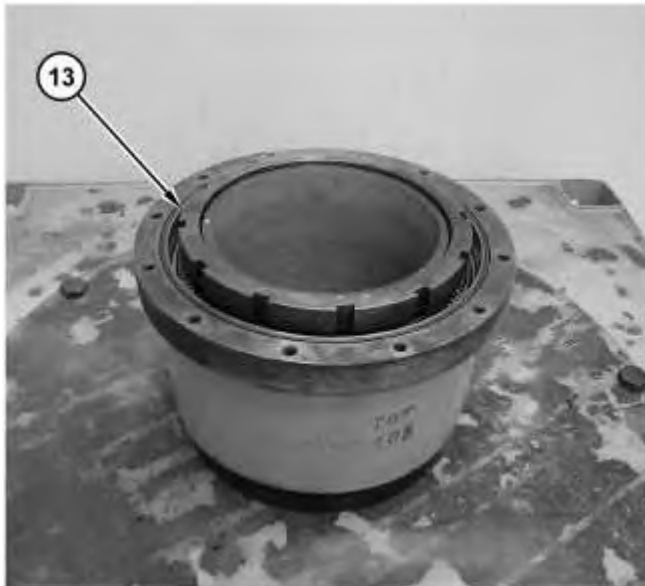


Illustration 11

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19. Remove nut (13) .
-

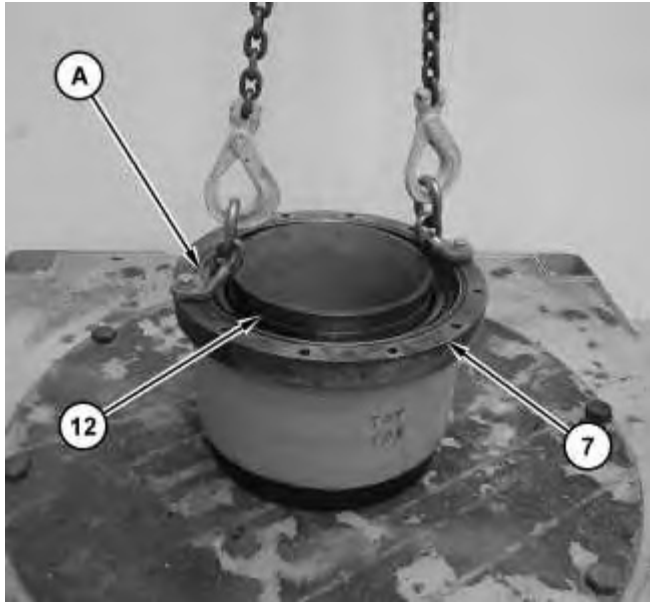


Illustration 12

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20. Use Tooling (A) and a suitable lifting device to remove bearing housing (7) from shaft housing (12) . The weight of bearing housing (7) is approximately 102 kg (225 lb).

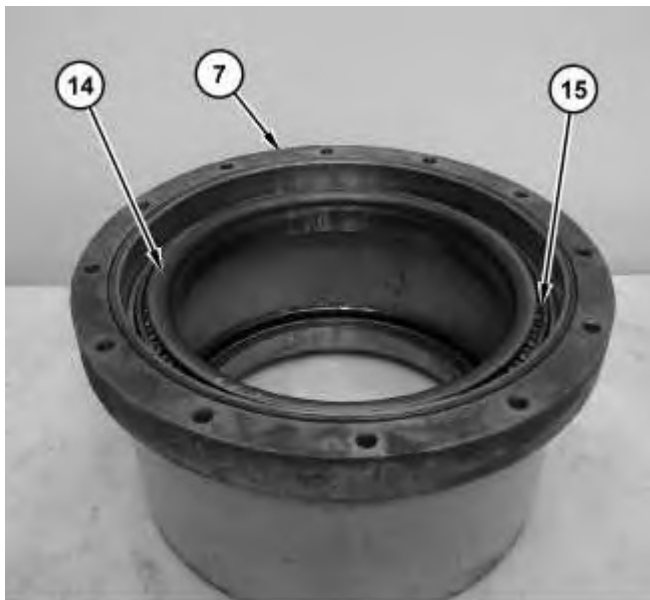


Illustration 13

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21. Remove bearing cone (14) and bearing cup (15) .
22. Use a suitable lifting device in order to turn over bearing housing (7) . The weight of bearing housing (7) is approximately 102 kg (225 lb).

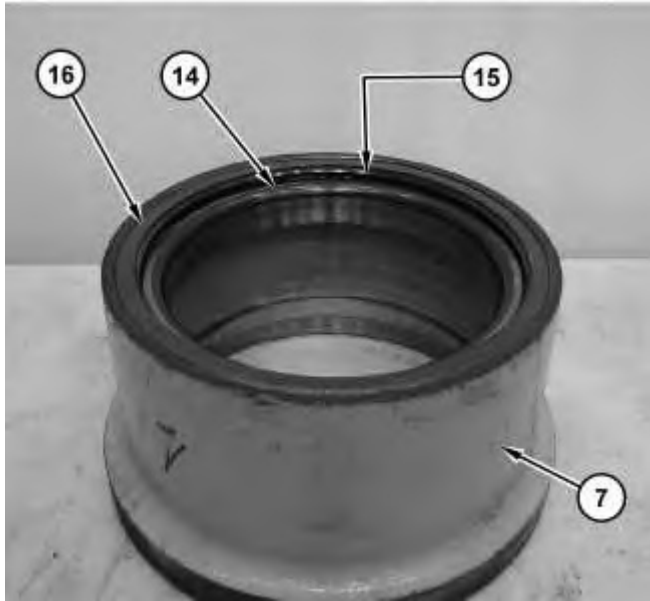


Illustration 14

g02042556

23. Remove lip seal (16) . Remove bearing cone (14) and bearing cup (15) from bearing housing (7) .

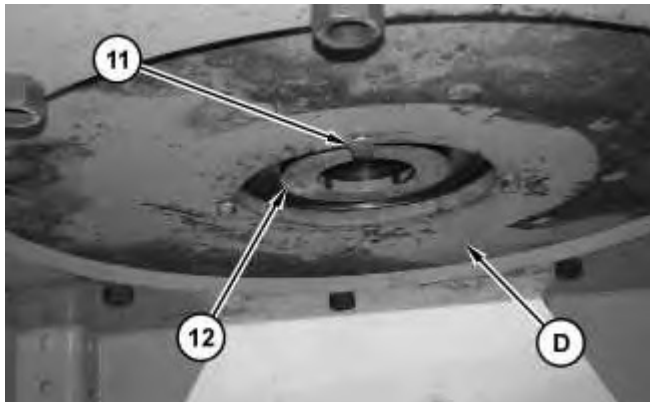


Illustration 15

g02040334

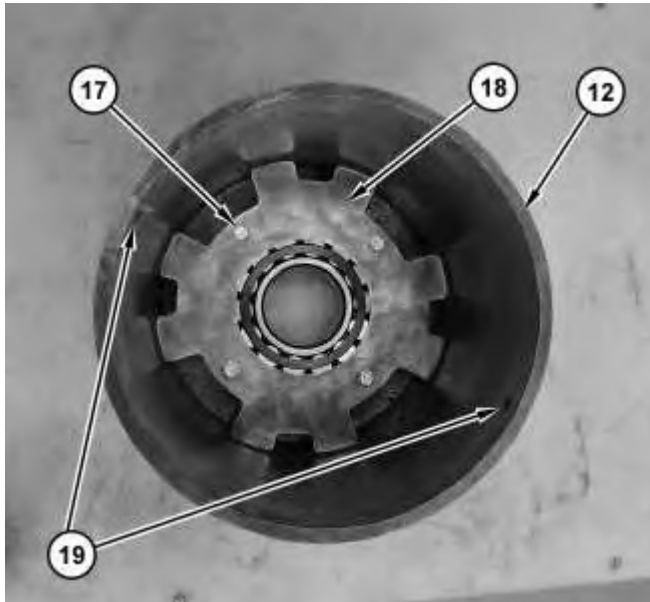


Illustration 16

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24. Remove bolts (11) that secured shaft housing (12) to Tooling (D) .
25. Install Tooling (B) in holes (19) . Attach a suitable lifting device to Tooling (B) . The weight of shaft housing (12) is approximately 84 kg (185 lb). Use Tooling (B) and the suitable lifting device to remove shaft housing (12) from Tooling (D) .
26. Remove bolts (17) and plate (18) .



Illustration 17

g02043154

27. Use Tooling (B) and the suitable lifting device to position shaft housing (12) in a suitable press.
28. Use the suitable press and Tooling (H) to remove bearing (20) .



Illustration 18

g02045518

29. Remove V-ring seal (21) .

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