

Note: Cleanliness is an important factor. Before the disassembly procedure, thoroughly clean the exterior of the component. This action will prevent dirt from entering the internal mechanism.

1. Put an alignment mark across the sections of the final drive for assembly purposes. The parts must be reinstalled in the original locations.



Illustration 1

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2. Fasten the final drive to Tooling (A), as shown. The combined weight of the final drive and final drive sprocket is approximately 312 kg (688 lb).
3. Remove bolts (1) and the washers that hold the cover in position.

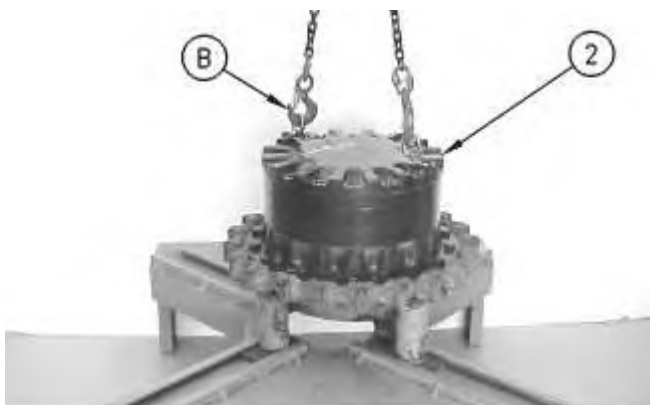


Illustration 2

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4. Remove the setscrews from cover (2), and fasten Tooling (B) and a suitable lifting device to cover (2), as shown. The weight of cover (2) is approximately 32 kg (70 lb). Remove cover (2).
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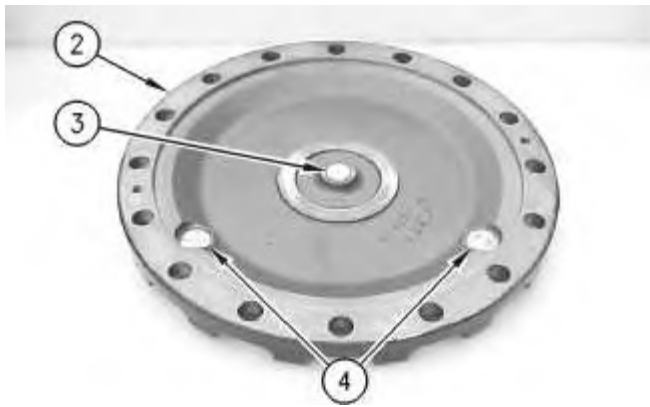


Illustration 3

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5. Remove thrust plate (3) from cover (2).
6. Remove plugs (4) from cover (2).



Illustration 4

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7. Remove O-ring seals (5) from both plugs (4) that were in the cover.

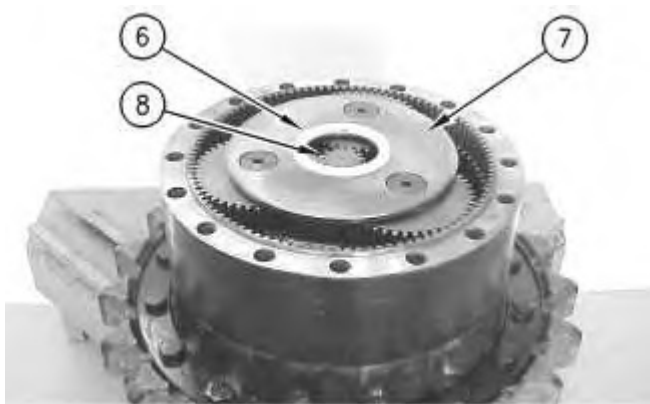


Illustration 5

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8. Remove spacer (6) from carrier assembly (7).
9. Remove sun gear (8) from carrier assembly (7).

10. Remove carrier assembly (7) by lifting the carrier assembly straight up. The weight of carrier assembly (7) is approximately 14 kg (30 lb).



Illustration 6

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11. Disassemble carrier assembly (7), as follows.

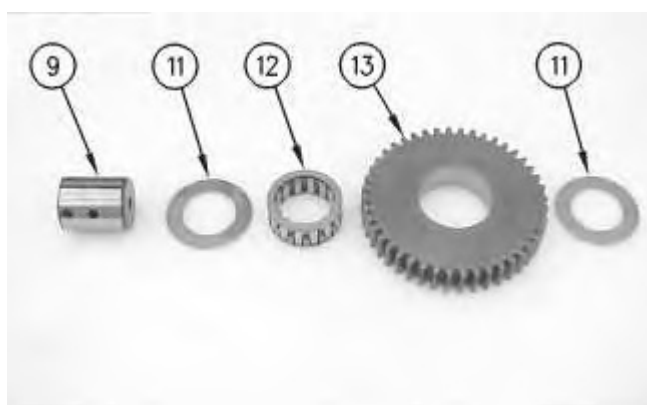
- a. Drive spring pin (10) into planetary shaft (9) with a hammer and a punch.



Illustration 7

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- b. Remove planetary shaft (9) with spring pin (10) from the carrier assembly.
- c. Remove spring pin (10) from planetary shaft (9) with a hammer and a punch.



- d. Remove thrust washers (11) and planetary gear (13) from the carrier assembly.
 - e. Remove bearing (12) from planetary gear (13).
12. Repeat Steps 11.a through 11.e in order to remove the remaining planetary gears from the carrier assembly.

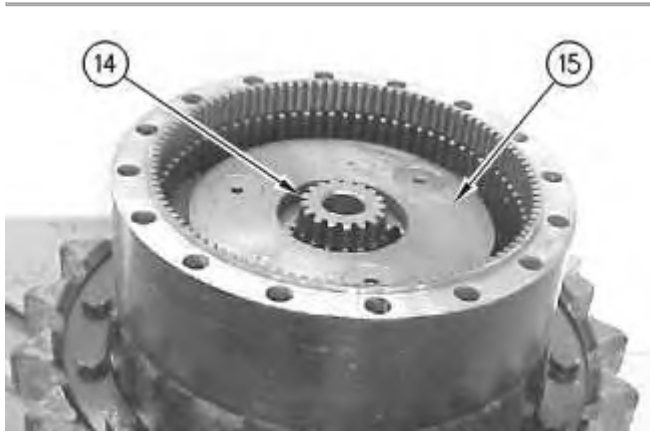


Illustration 9

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13. Remove sun gear (14) from carrier assembly (15).

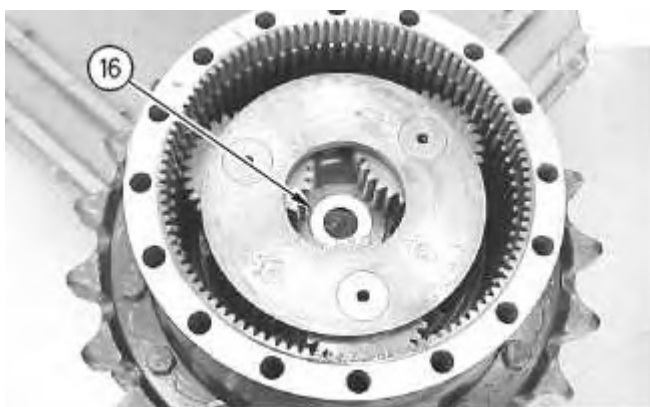


Illustration 10

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14. Remove spacer (16).
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