



# Service Repair Manual

## **Models**

# 345B EXCAVATOR

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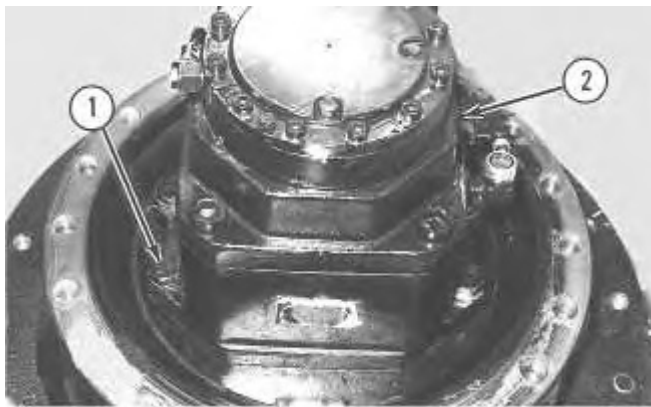


Illustration 1

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3. Remove bolts (1) and the washers that hold travel motor (2) to the final drive. Fasten a suitable lifting device to the travel motor, and carefully remove the travel motor from the final drive. The weight of the travel motor is approximately 125 kg (275 lb).



Illustration 2

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4. Remove O-ring seal (3) and coupling (4) from the final drive.
  5. Fasten a suitable lifting device to the final drive, and turn the final drive over 180 degrees. The weight of the final drive is approximately 590 kg (1300 lb).
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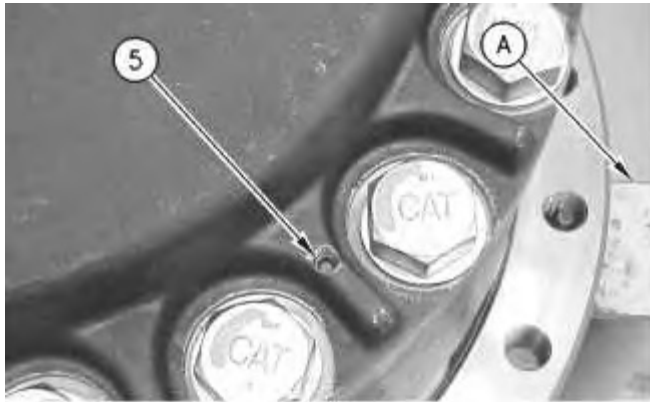


Illustration 3

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6. Fasten the final drive to Tooling (A) . Put an alignment mark across the sections of the final drive for assembly purposes. All parts must be reinstalled in the original locations.
7. Remove two socket head cap screws (5) from the final drive cover.



Illustration 4

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8. Attach Tooling (B) and a suitable lifting device to cover (7) , as shown.
9. Remove bolts (6) and the washers that hold the cover in place.
10. Use a soft faced hammer in order to break the seal between cover (7) and the ring gear. Remove the cover. The weight of cover (7) is approximately 45 kg (100 lb).

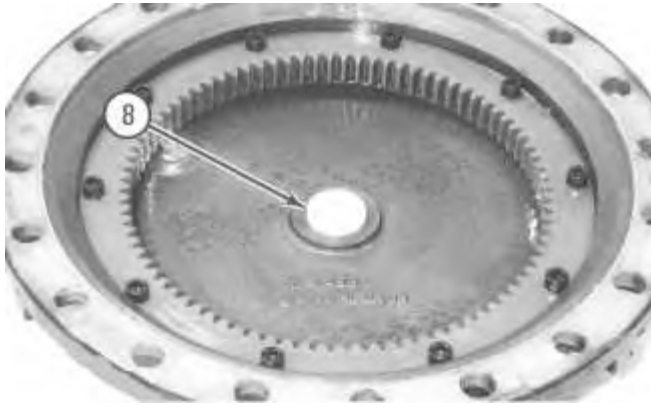


Illustration 5

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11. Remove spacer (8) from the cover.



Illustration 6

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12. Remove shims (9) from the cover.

13. Remove socket head bolts (10) and ring gear (11) from the cover.

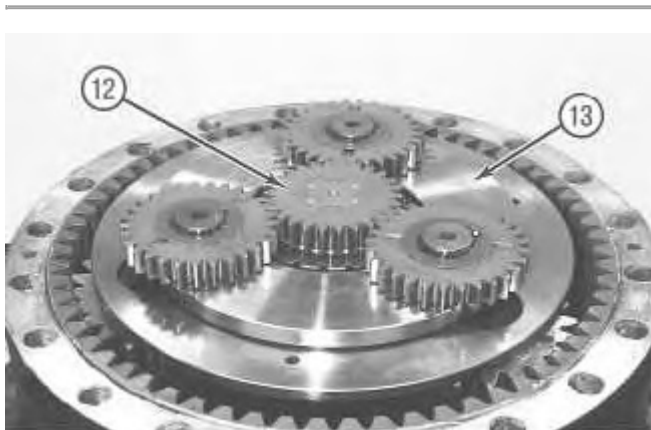


Illustration 7

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14. Remove sun gear (12) from carrier assembly (13) . Remove carrier assembly (13) by lifting the carrier assembly straight up.
15. Disassemble carrier assembly (13) , as follows:

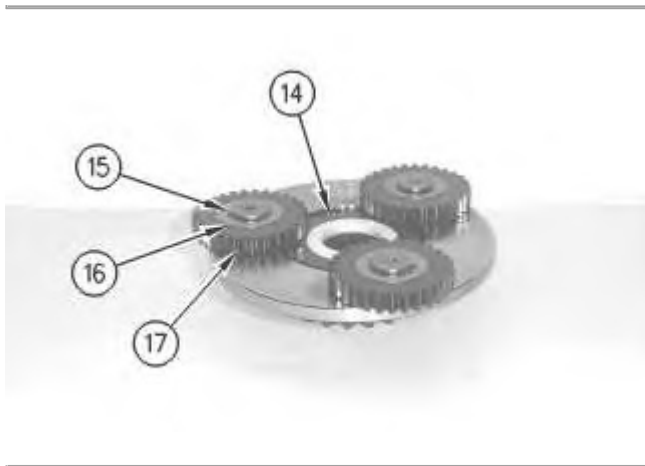


Illustration 8

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- a. Remove spacers (14) . A spacer is located on each side of the sun gear in carrier assembly (13) .

**Note:** Planetary gears (17) might be stamped with identification marks "L". Note the position of the identification marks in relation to the carrier for assembly purposes.

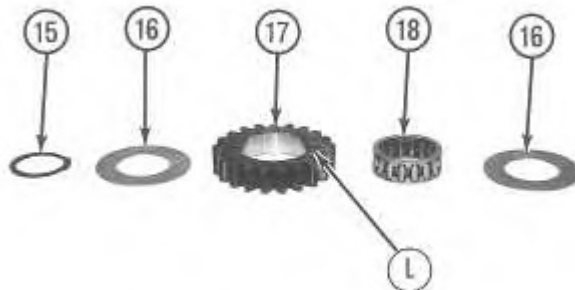


Illustration 9

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- b. Remove retaining ring (15) with Tooling (C) .
  - c. Remove thrust washers (16) and planetary gear (17) from the carrier.
  - d. Remove bearing (18) from planetary gear (17) .
  - e. Repeat Steps 15.b through 15.d for the remaining planetary gears.
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