



# Service Repair Manual

## **Models**

# 345B II MH EXCAVATOR

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a	1P-2420	Transmission Repair Stand	1
B	138-7573	Link Bracket	2
C	1P-0510	Drive Group	1

**Start By:**

- A. Remove the swing drive. Refer to Disassembly and Assembly, "Swing Drive - Remove and Install".

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**NOTICE**

**Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.**

**Refer to Special Publication, NENG2500, "Caterpillar Tools and Shop Products Guide" for tools and supplies suitable to collect and contain fluids on Caterpillar products.**

**Dispose of all fluids according to local regulations and mandates.**

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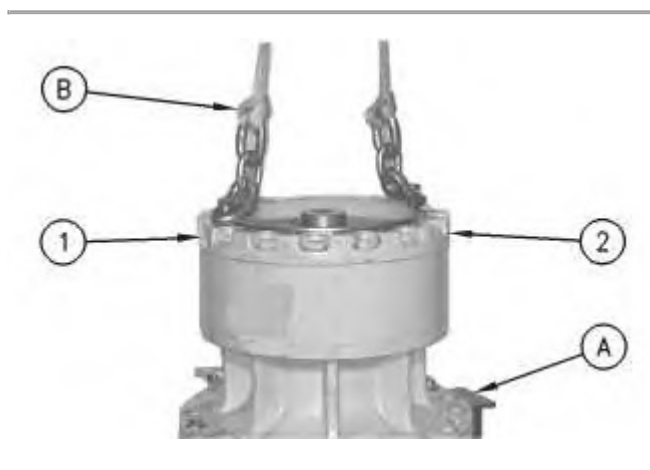


Illustration 1

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1. Attach Tooling (A) and a suitable lifting device to the swing drive. The weight of the swing drive is approximately 227 kg (500 lb).
2. Open the drain valve, and drain the oil from the swing drive into a suitable container for storage or disposal. The capacity of the swing drive is approximately 11 L (2.9 US gal). If necessary, remove the drain valve from the swing drive housing.
3. Put an alignment mark on the cover and on the ring gear of the swing drive for assembly purposes.

4. Remove bolts (1) and the washers that secure cover (2) to the ring gear and the housing of the swing drive.
5. Attach Tooling (B) and a suitable lifting device to cover (2). Carefully remove cover (2) from the ring gear on the swing drive.

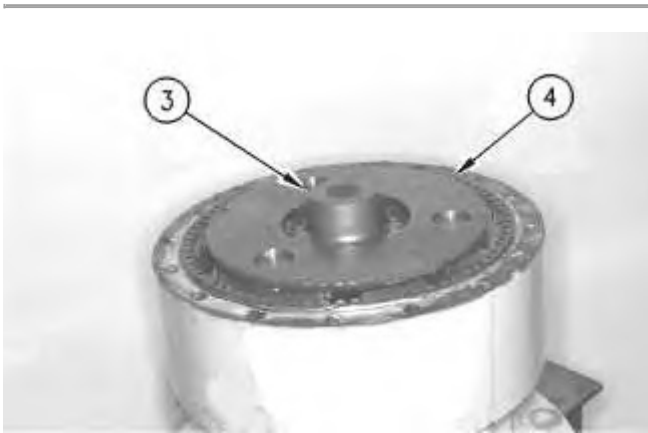


Illustration 2

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6. Remove sun gear (3) from the carrier assembly (4) .

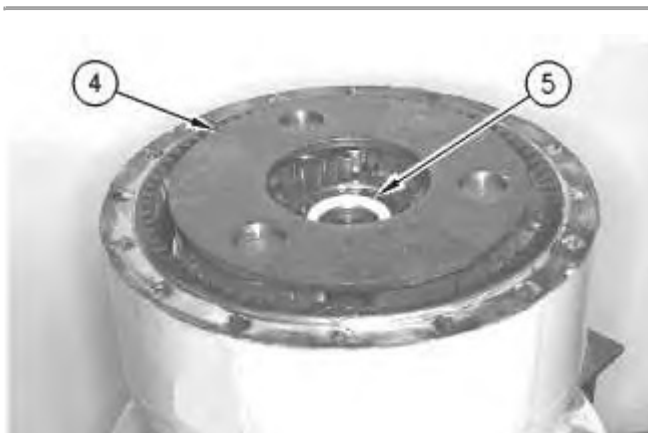


Illustration 3

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7. Remove spacer (5) from carrier assembly (4) .
  8. Remove carrier assembly (4) from the swing drive.
  9. Disassemble carrier assembly (4), as follows:
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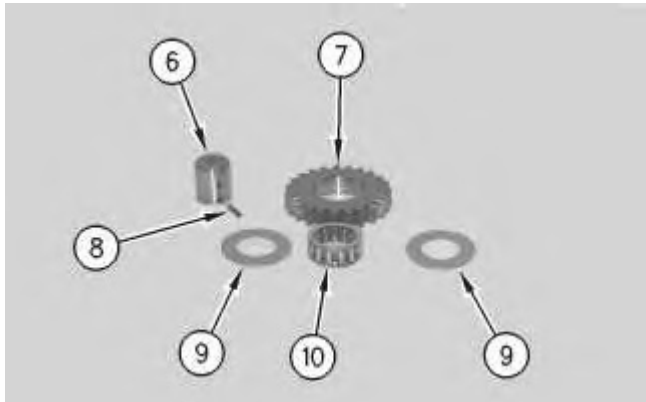


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Illustration 4

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- a. Use a hammer and a punch in order to drive spring pin (8) into planetary shaft (6) .

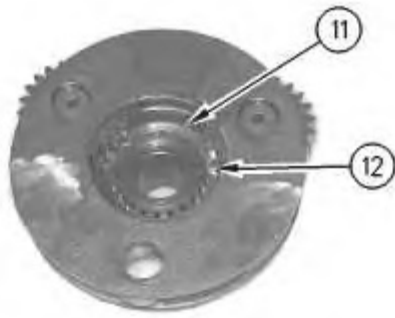


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Illustration 5

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- b. Remove planetary shaft (6), thrust washers (9) and planetary gear (7) from the carrier.
  - c. Remove bearing (10) from planetary gear (7) .
  - d. Use a hammer and a punch in order to remove spring pin (8) from the planetary shaft (6) .
  - e. Repeat Steps 9.a through 9.d in order to remove the remaining planetary gears from the carrier.
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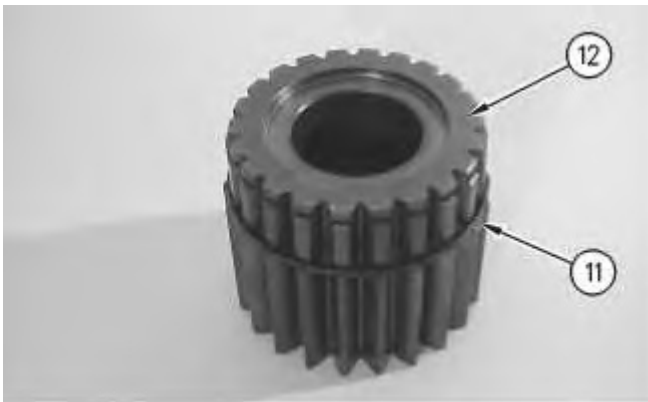


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Illustration 6

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10. Use a screwdriver in order to remove the upper retaining ring (11) from sun gear (12) .
11. Remove sun gear (11) from the carrier.



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Illustration 7

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12. Use a screwdriver in order to remove the lower retaining ring (11) from sun gear (12) .



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Illustration 8

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