



# Service Repair Manual

## **Models**

307C and 307CSB Mini  
Hydraulic Excavator

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Previous Screen

Product: MINI HYD EXCAVATOR

Model: 307C MINI HYD EXCAVATOR BCM

Configuration: 307C & 307C SB Excavators BCM00001-UP (MACHINE) POWERED BY 4M40 Engine

**Disassembly and Assembly  
307C Excavator Machine Systems**

Media Number -REN4029-02

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i06217139

## Final Drive and Travel Motor - Disassemble

SMCS - 4050-015; 4351-015

### Disassembly Procedure

Table 1

| Required Tools |             |                         |     |
|----------------|-------------|-------------------------|-----|
| Tool           | Part Number | Part Description        | Qty |
| A              | FT3209      | Retainer Nut Wrench As. | 1   |

**Start By:**

- A. Remove final drive and travel motor assembly.

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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, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat products.

Dispose of all fluids according to local regulations and mandates.

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## NOTICE

**Keep all parts clean from contaminants.**

**Contaminants may cause rapid wear and shortened component life.**

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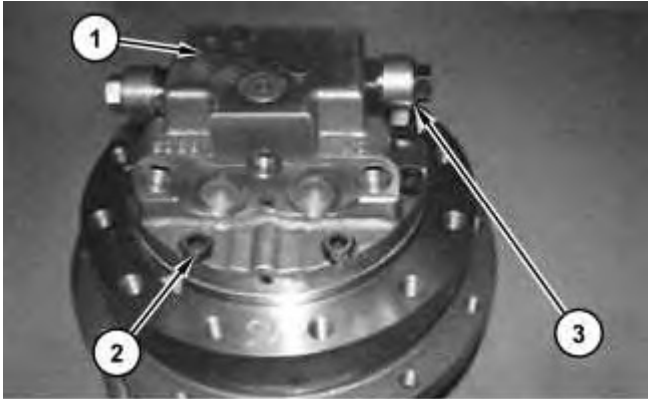


Illustration 1

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1. Remove relief valves (3) . Remove bolts (2) and remove motor cover (1) .

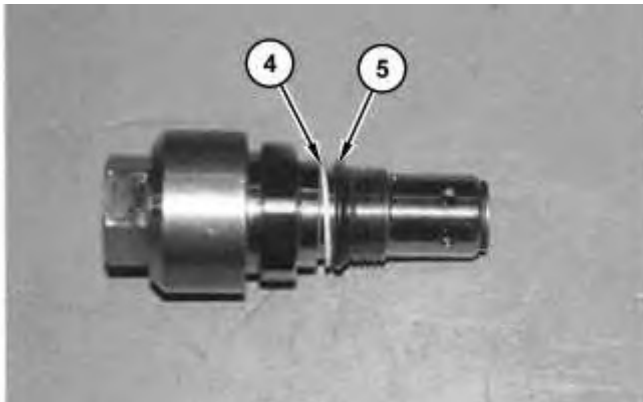


Illustration 2

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2. Remove backup ring (4) and O-ring seal (5) from relief valves (3) .
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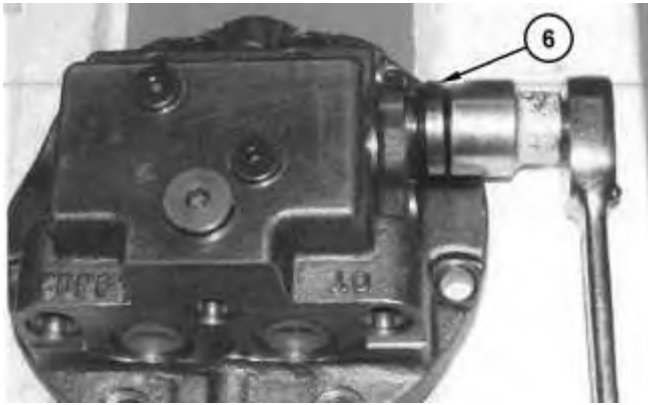


Illustration 3

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## **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.**

3. Remove cover (6) . Repeat step on the opposite side of the motor cover.

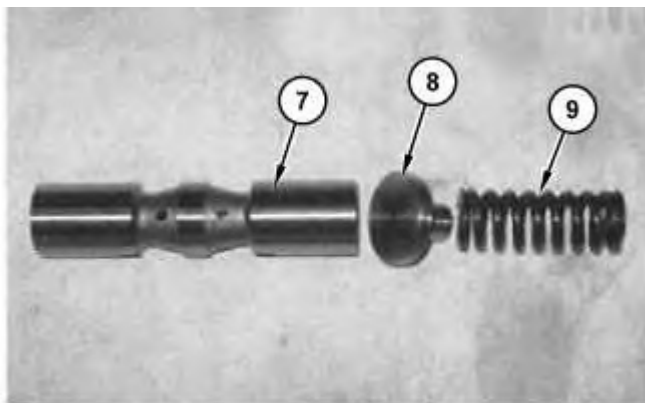


Illustration 4

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4. Remove spring (9) , pusher (8) and spool (7) from behind cover (6) .

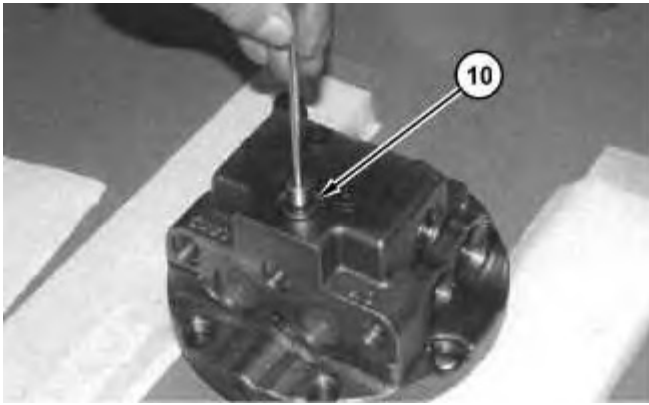


Illustration 5

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5. Remove plug (10) .

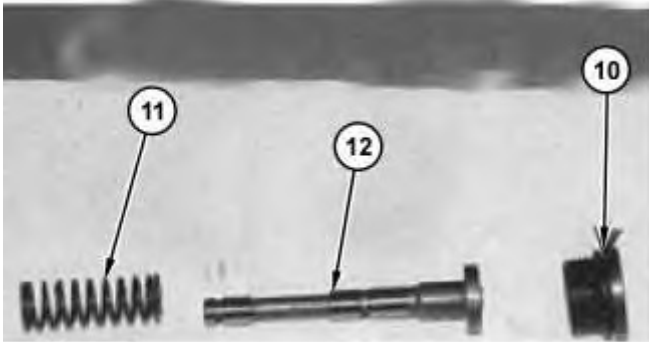


Illustration 6

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## **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.**

6. Remove spring (11) , spool (12) from under plug (10) .

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