



Service Repair Manual

Models

307D Mini Hydraulic Excavator

Product: MINI HYD EXCAVATOR
Model: 307D MINI HYD EXCAVATOR WZX
Configuration: 307D Mini Hydraulic Excavator WZX00001-UP (MACHINE)

Disassembly and Assembly 307D Excavator Machine Systems

Media Number -REN9744-01

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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.

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.

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

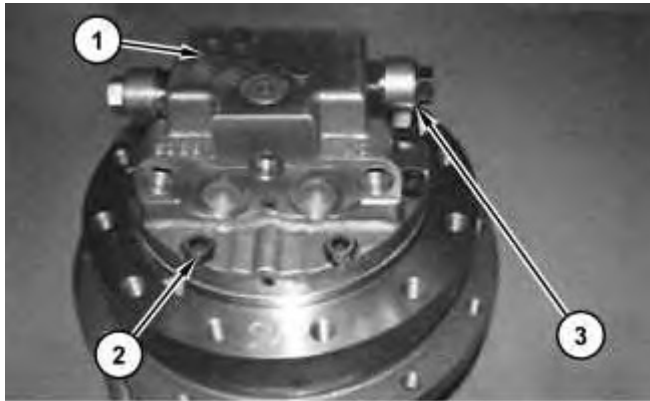


Illustration 1

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

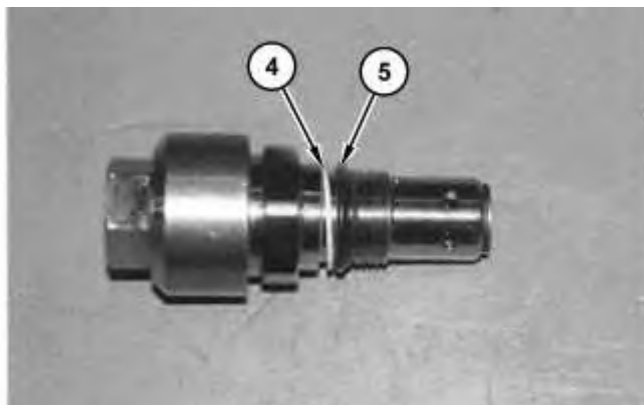


Illustration 2

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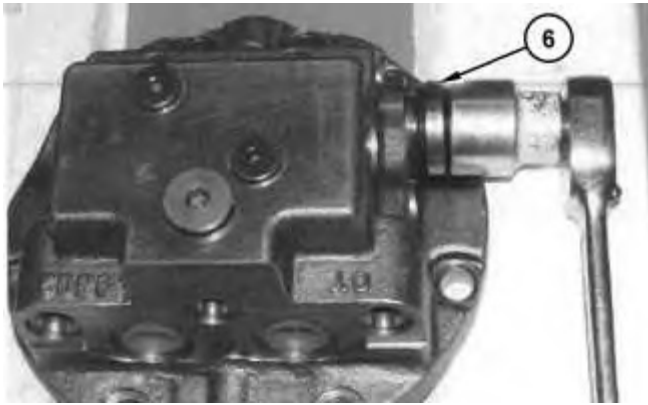


Illustration 3

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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.

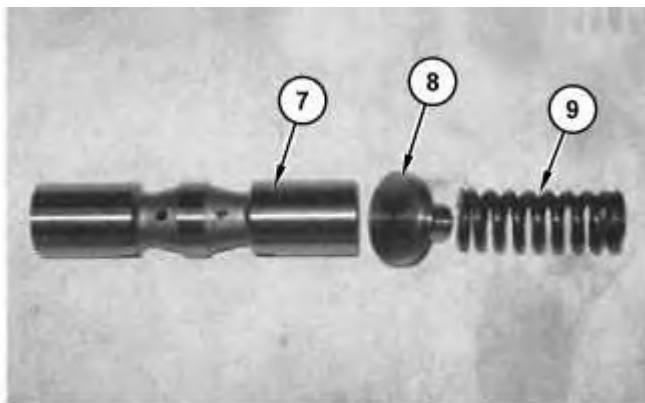


Illustration 4

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

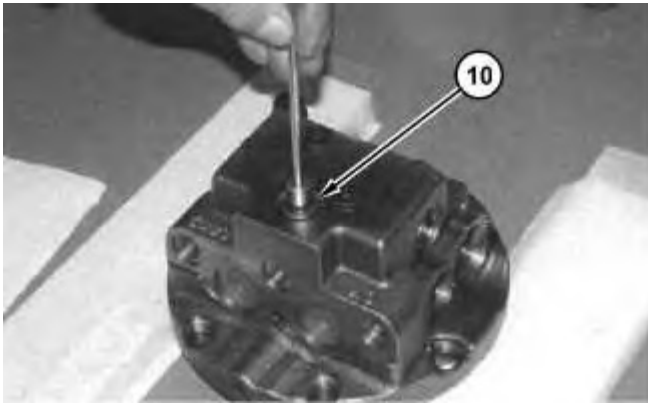


Illustration 5

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5. Remove plug (10) .

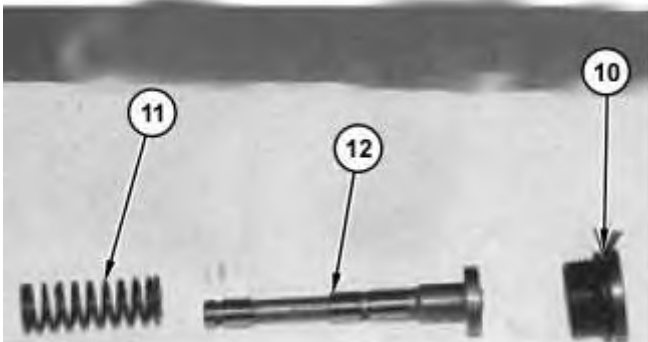


Illustration 6

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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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