



Service Repair Manual

Models

303.5 Mini Hydraulic Excavator

Product: MINI HYD EXCAVATOR
Model: 303.5 MINI HYD EXCAVATOR AFW
Configuration: 303.5 Mini Hydraulic Excavator AFW00001-UP (MACHINE)

Disassembly and Assembly 303.5 Mini Hydraulic Excavator Machine Systems

Media Number -REN3538-02

Publication Date -01/05/2007

Date Updated -15/05/2007

i02763565

Piston Motor (Travel) - Disassemble

SMCS - 4351-015; 5058-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
(A)	1U-7600	Slide Hammer	1
(B)	205-0633	Spanner Wrench	1
(C)	9S-9152	Bearing Puller	1
(D)	1P-0510	Driver Group	1
(E)	1P-1862	Snap Ring Pliers	1
(F)	5B-0841	Bolt	1
(G)	6B-6683	Nut	2

Start By:

- A. Remove the travel motor. Refer to Disassembly and Assembly, "Travel Motor - Remove" in this manual.

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

Dispose of all fluids according to local regulations and mandates.

Note: Put identification marks on the travel motor and on all lines for installation purposes. Plug all lines. This will help to prevent fluid loss and this helps to keep contaminants from entering the system.

Note: Cleanliness is an important factor. Before the disassembly procedure, the exterior of the component should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism.

1. Put an alignment mark across the section of the travel motor for assembly purposes. The parts must be reinstalled in the original locations of the parts.

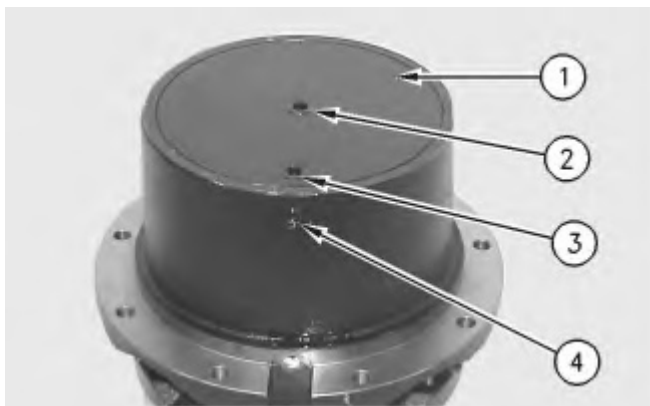


Illustration 1

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2. Remove plug (2) , plug (3) , plug (4) , and the O-ring seals.
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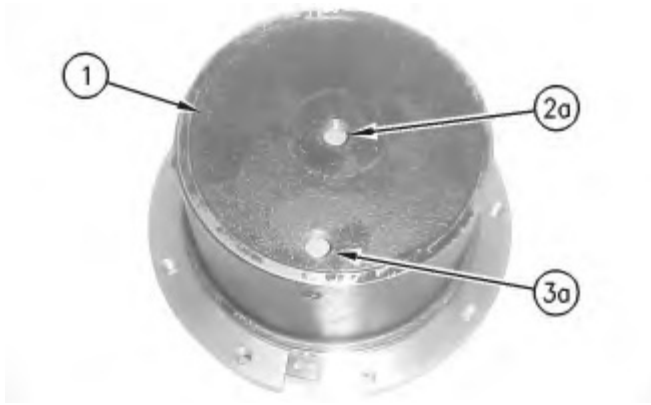


Illustration 2

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3. Install Tooling (F) and (G) at opening (2a) . Use opening (3A) in order to remove wire (5) .



Illustration 3

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4. Install Tooling (F) and Tooling (G) .

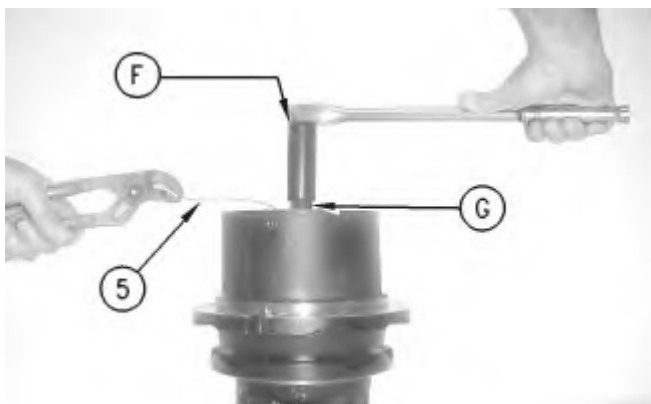


Illustration 4

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5. Remove wire (5) . through opening (3a) . Pull wire (5) and turn cover (1) in order to remove the wire from the motor assembly.

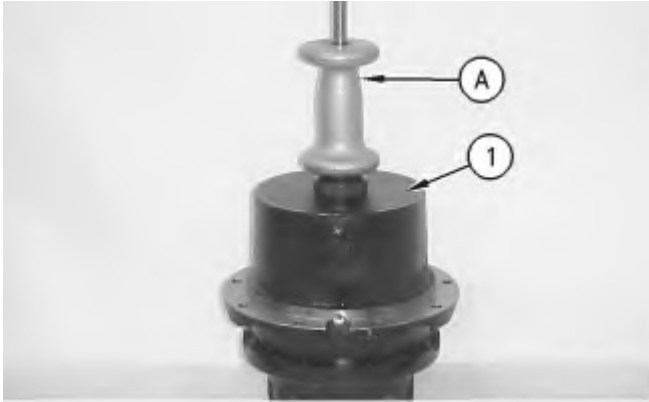


Illustration 5

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6. Use Tooling (A) in order to remove cover (1) .



Illustration 6

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7. Remove O-ring seal (6) .
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