



Service Repair Manual

Models

305CR Mini Hydraulic Excavator

Product: MINI HYD EXCAVATOR

Model: 305 MINI HYD EXCAVATOR DSA

Configuration: 305CR Mini Hydraulic Excavator DSA00001-UP (MACHINE) POWERED BY K4N Engine

Disassembly and Assembly 305 Mini Hydraulic Excavator Machine Systems

Media Number -REN5546-04

Publication Date -01/08/2007

Date Updated -07/08/2007

i01671197

Travel Motor - Remove

SMCS - 4351-011

Removal Procedure

Start By:

- A. Release the hydraulic system pressure. Refer to Disassembly and Assembly, "Hydraulic System Pressure - Release".
- B. Remove the track. Refer to Disassembly and Assembly, "Track - Remove and Install".
- C. Remove the final drive sprocket. Refer to Disassembly and Assembly, "Final Drive Sprocket - Remove and Install".



Personal injury can result from hydraulic oil pressure and hot oil.

Hydraulic oil pressure can remain in the hydraulic system after the engine has been stopped. Serious injury can be caused if this pressure is not released before any service is done on the hydraulic system.

Make sure all of the attachments have been lowered, oil is cool before removing any components or lines. Remove the oil filler cap only when the engine is stopped, and the filler cap is cool enough to touch with your bare hand.

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.

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

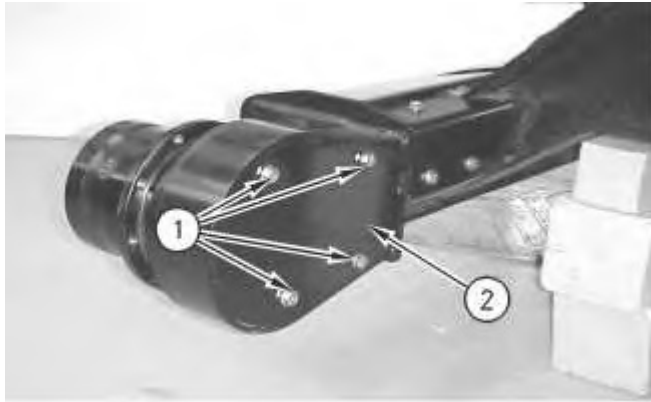


Illustration 1

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1. Remove bolts (1) and washers.
2. Remove cover (2) .

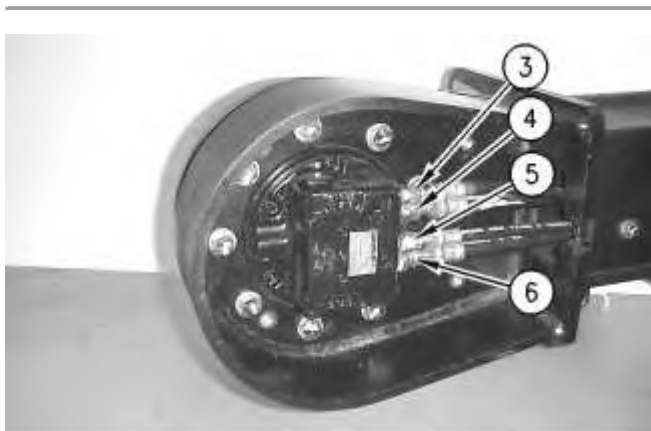


Illustration 2

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3. Disconnect hose assemblies (3), (4), (5), and (6) from the travel motor.

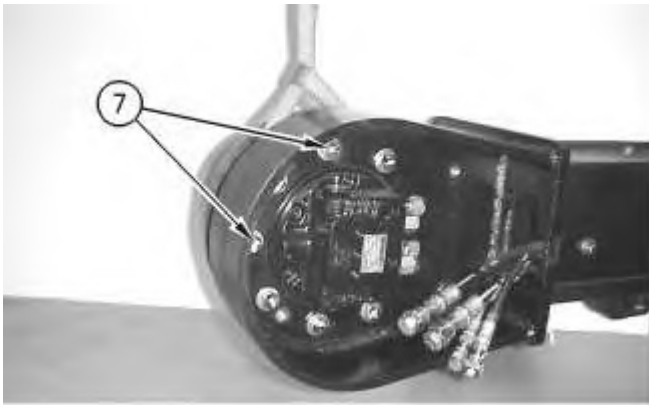


Illustration 3

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4. Use a suitable lifting device to support the travel motor.
5. Remove bolts (7) and washers from the travel motor.



Illustration 4

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6. Remove travel motor (8) from the undercarriage frame with a suitable lifting device. Weight of the travel is 60 kg (132 lb).
7. Repeat Steps 1 through 6 for the other side of the travel motor.

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Travel Motor - Disassemble

SMCS - 4351-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-1862	Snap Ring Pliers	1
B	1U-7588	Pry Bar	2

Start By:

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

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Dispose of all fluids according to local regulations and mandates.

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