



Service Repair Manual

Models

M318C WHEELED Excavator

Product: WHEELED EXCAVATOR

Model: M318C WHEELED EXCAVATOR H2F

Configuration: M318C Excavator H2F00001-UP (MACHINE) POWERED BY 3056E Engine

Disassembly and Assembly M318C and M322C Excavators Machine Systems

Media Number -REN9213-02

Publication Date -01/12/2006

Date Updated -05/12/2006

i02346354

Swing Drive - Remove

SMCS - 5459-011

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7575	Link Bracket	2

Start By:

- A. Release the hydraulic system pressure. Refer to Disassembly and Assembly, "Hydraulic System Pressure - Release".
- B. Remove the swing motor. Refer to Disassembly and Assembly, "Swing Motor - Remove".

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

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.



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 work tools have been lowered to the ground, and the 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.

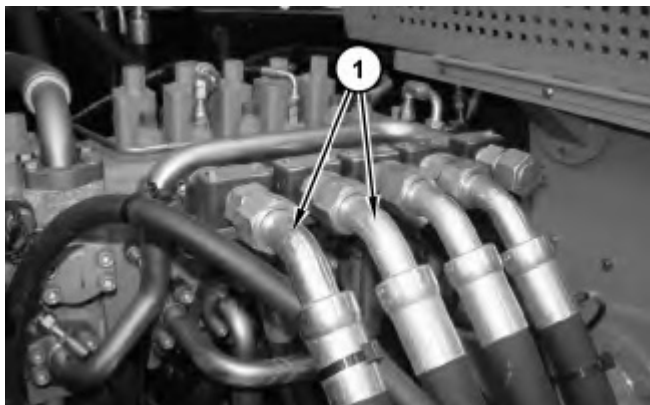


Illustration 1

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1. Disconnect two hose assemblies (1) .
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Illustration 2

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2. Disconnect hose assemblies (2) .

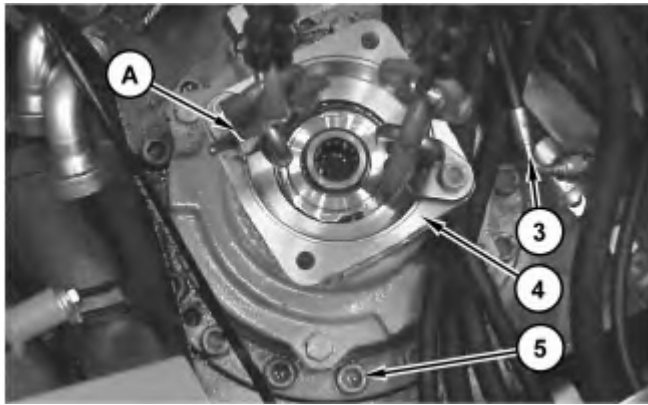


Illustration 3

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3. Disconnect hose assembly (3) .
4. Attach Tooling (A) and a suitable lifting device to swing drive (4). The weight of swing drive (4) is approximately 85 kg (187 lb).
5. Remove bolts (5). Remove swing drive (4) .

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Swing Drive - Disassemble

SMCS - 5459-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7575	Link Bracket	2
B	1P-0510	Driver Gp	1
C	1U-8759	Retaining Ring Pliers	1
D	5P-4758	Retaining Ring Pliers	1
E	1P-1859	Retaining Ring Pliers	1
F	1P-1855	Retaining Ring Pliers	1
G	156-7100	Puller	1
H	1P-1863	Retaining Ring Pliers	1
J	305-4538	Spanner Socket ⁽¹⁾	1
	240-8274	Insert ⁽²⁾	1
	174-9465	Spanner Socket ⁽³⁾	1
K	1P-0520	Driver Gp	1

⁽¹⁾ Used on the part number **152-7372** Swing Drive Gp

⁽²⁾ Used on the part number **152-7372** Swing Drive Gp

⁽³⁾ Used on the part number **152-7375** Swing Drive Gp

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