



Service Repair Manual

Models

M325D MH EXCAVATOR

Product: EXCAVATOR

Model: M325D MH EXCAVATOR EDF

Configuration: M325D L Material Handler EDF02000-UP (MACHINE) POWERED BY C7 Engine

Disassembly and Assembly M325D Material Handler Machine Systems

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Swing Motor - Disassemble

SMCS - 5058-015-ZW

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1U-7506	Mounting Adapter Gp	1
	8T-4244	Nut	6
	8T-4223	Hard Washer	6
	-	Threaded Rod (M12 by 1.75 by 150 mm)	1
B	6V-7887	Puller Leg	2
	5F-7344	Puller Block	1
	1P-0074	Slide Hammer Puller Gp	1
	5P-4750	Adjustment Screw	1
C	8T-0651	Bolt	2
	8T-4167	Hard Washer	2
D	1P-1853	Retaining Ring Pliers	1
E	9S-9152	Bearing Puller Gp	1
	1P-0510	Driver Gp	1

Start By:

A. Remove the swing motor. Refer to Disassembly and Assembly, "Swing Motor - Remove".

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

Note: If a failure occurs, an accurate diagnosis of the cause can prevent a recurrence. Information is available to analyze failures for piston motors. Refer to Special Publication, SEBD0641, "Analyzing Axial Piston Pump and Motor Failures".

Note: Inspect all parts. If any parts are worn or damaged use new parts for replacement. The installation of used parts during reconditioning is acceptable. Reuse and salvage information is available on piston motors. Refer to Guideline For Reusable Parts and Salvage Operations, SEBF8032, "Piston Pumps and Motors". During reconditioning, correct any conditions that might have caused the original failure.

NOTICE

Keep all parts clean from contaminants.

Contamination of the hydraulic system with foreign material will reduce the service life of the hydraulic system components.

To prevent contaminants from entering the hydraulic system, always plug or cap the lines, fittings, or hoses as they are disconnected. Cover any disassembled components and clean them properly before assembly.

Clean the hydraulic system properly after any major component exchange or especially after a component failure, to remove any contamination.

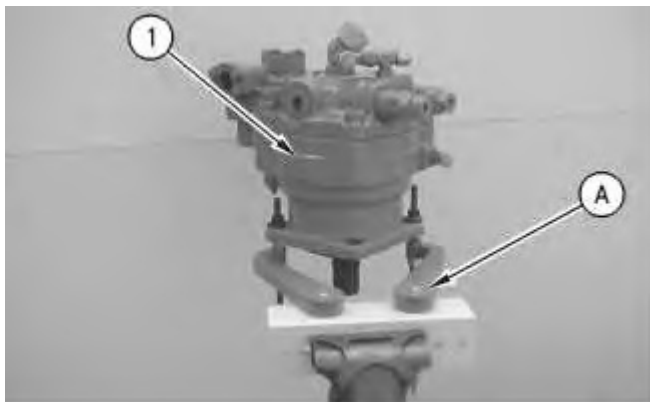


Illustration 1

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1. Install swing motor (1) to Tooling (A) .

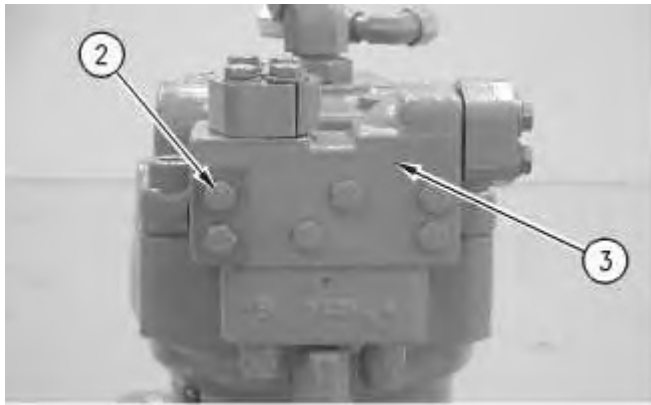


Illustration 2

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2. Remove bolts (2). Remove anti-reaction valve (3) from the head.



Illustration 3

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3. Remove relief valves (4) from the head.
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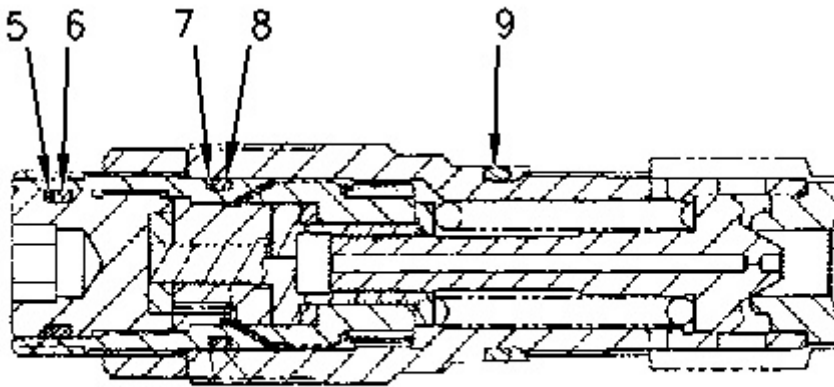


Illustration 4

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4. Remove O-ring seals (6), (8), and (9). Remove backup rings (5) and (7) .

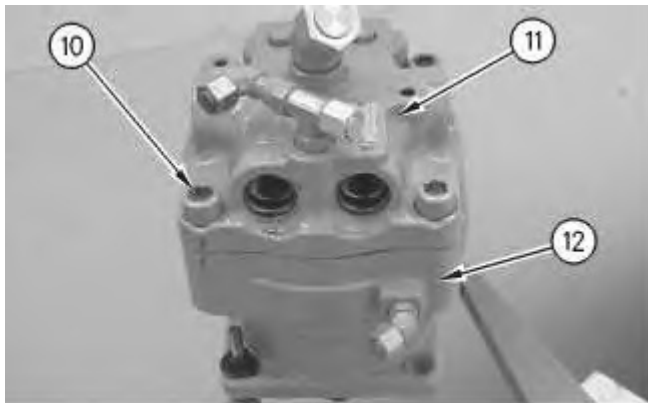


Illustration 5

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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.

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