



Service Repair Manual

Models

M325D L MH EXCAVATOR

Product: EXCAVATOR

Model: M325D L MH EXCAVATOR KGG

Configuration: M325D L Material Handler KGG02000-UP (MACHINE) POWERED BY C7 Engine

Disassembly and Assembly M325D Material Handler Machine Systems

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i02334409

Main Hydraulic Pump - Disassemble

SMCS - 5070-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	5F-7465	Puller Group	1
B	1P-2420	Transmission Repair Stand	1
C	138-7575	Link Bracket	3
D	1P-0510	Driver Group	1
E	1P-1859	Retaining Ring Pliers	1
F	9S-9152	Bearing Puller	1
G	8B-7551	Bearing Puller	1

Start By:

- A. Remove the main hydraulic pump. Refer to Disassembly and Assembly, "Piston Pump (Main Hydraulic) - Remove".
- B. Remove the pump control. Refer to Disassembly and Assembly, "Pump Control - Remove".

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.

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 pumps and 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 pumps. 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.

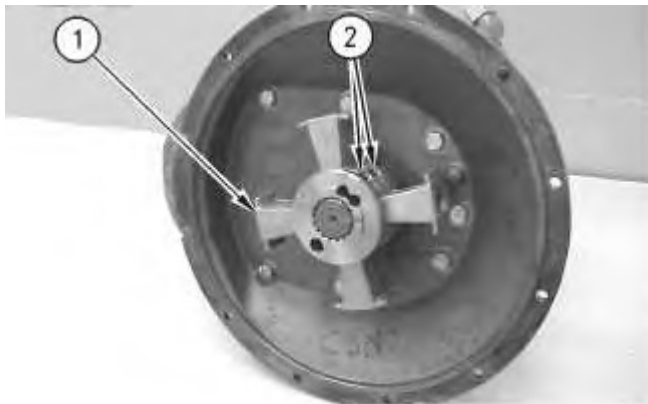


Illustration 1

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1. Loosen bolts (2) from pump coupling (1). Place a mark across pump coupling (1) and the shaft for assembly purposes. Remove pump coupling (1) .
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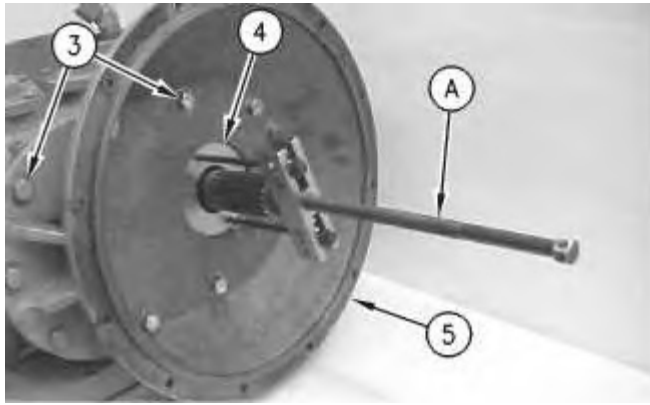


Illustration 2

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2. Use Tooling (A) to remove seal assembly (4). Remove bolts (3). Remove bell housing (5) and the gasket.



Illustration 3

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3. Remove O-ring seal (6) and lip seal (7) from the seal assembly.

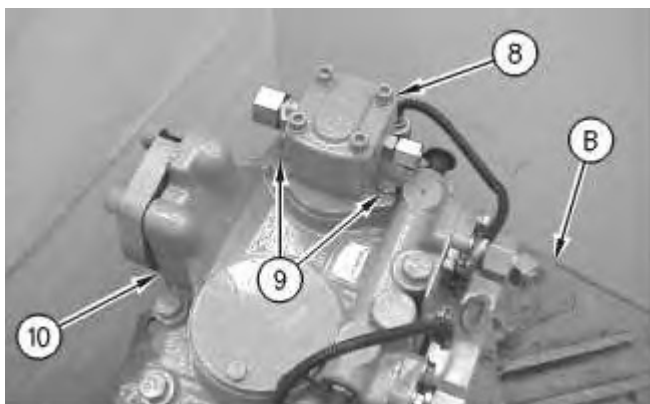


Illustration 4

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4. Place the main hydraulic pump on Tooling (B). Remove bolts (9) from head (10). Remove charge pump (8) from head (10) .

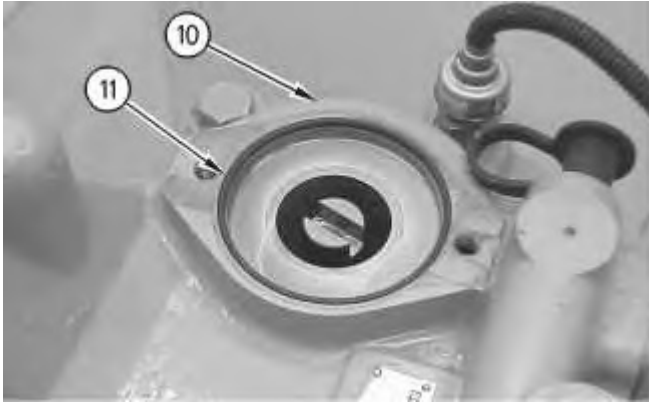


Illustration 5

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5. Remove O-ring seal (11) from head (10) .

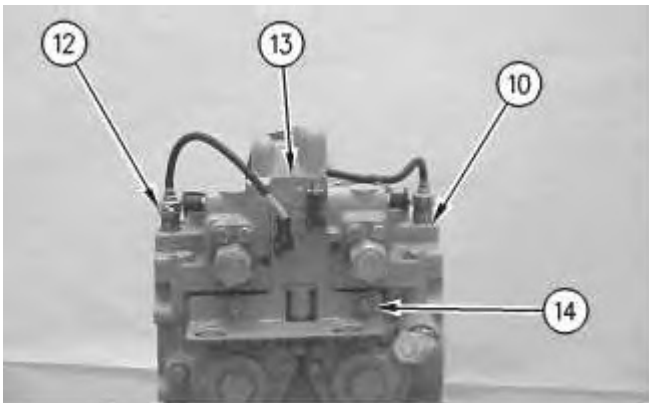


Illustration 6

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6. Remove the harness assembly from the wire clips. Remove pressure sensors (12) from head (10). Remove bolts (14). Remove bracket (13) from head (10) .
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