



Service Repair Manual

Models

336D L and 336D LN Excavator

Product: EXCAVATOR

Model: 336D LN EXCAVATOR MYG

Configuration: 336D L & 336D LN Excavators MYG00001-UP (MACHINE) POWERED BY C9 Engine

Disassembly and Assembly

330D, 336D, 336D2, 340D and 340D2 Excavators and 336D MHPU Mobile Hydraulic Power Unit 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	Adapter Kit	1
	8T-4244	Nut	6
	8T-4223	Hard Washer	6
	-	Threaded Rod M12 by 1.75 by 150mm	1
B	6V-7887	Puller Leg	2
	5F-7344	Puller Block	1
	1P-0074	Slide Hammer Puller Gp	1
	5P-4750	Adjusting 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.

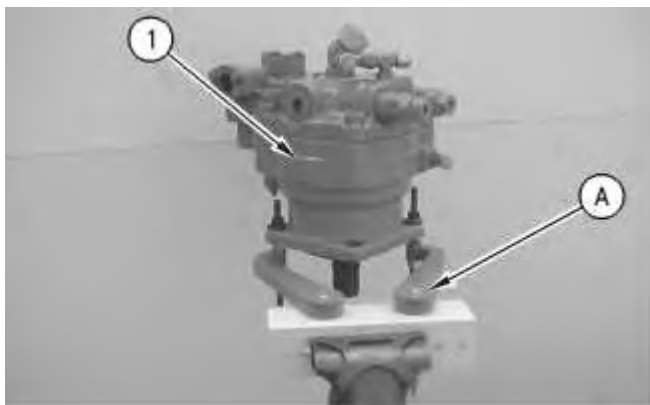


Illustration 1

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1. Use a suitable lifting device to position swing motor (1) onto Tooling (A). The weight of swing motor (1) is approximately 77 kg (170 lb). Install swing motor (1) to Tooling (A).

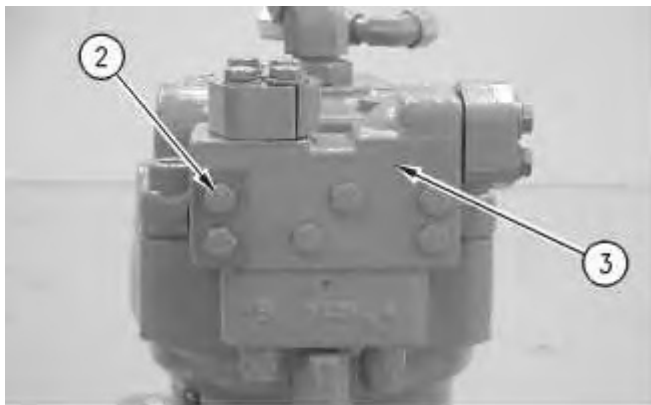


Illustration 2

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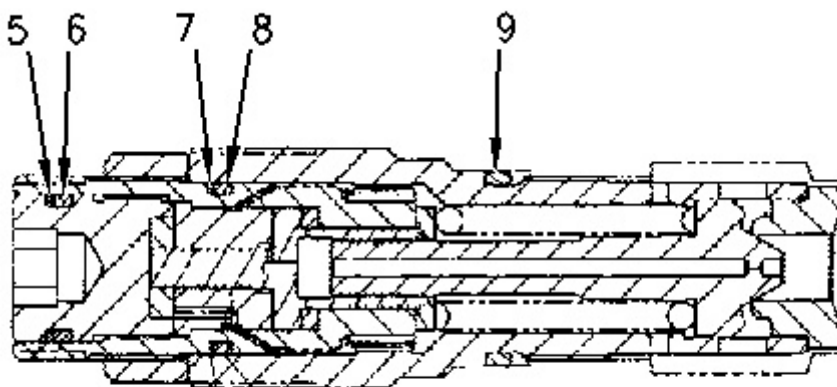
2. Remove bolts (2). Remove anti-reaction valve (3) from the head.



Illustration 3

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



! 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.

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

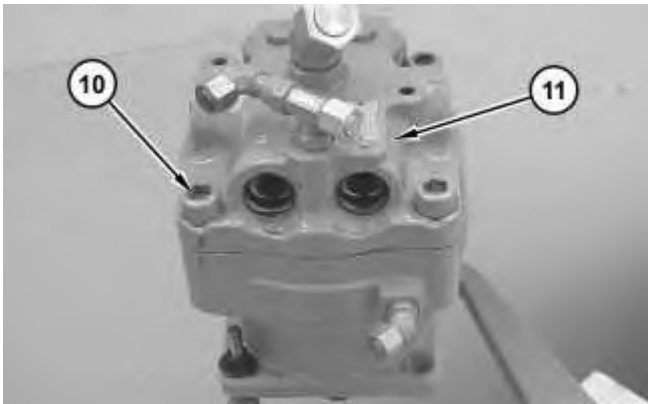


Illustration 5

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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.

5. Remove bolts 10.
 6. Remove head (11) from the motor housing.
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