



Service Repair Manual

Models

320D RR Excavator

Product: EXCAVATOR

Model: 320D RR EXCAVATOR YDS

Configuration: 320D RR Excavator YDS00001-UP (MACHINE) POWERED BY C6.4 Engine

Disassembly and Assembly 320D RR Excavator Machine Systems

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i02706615

Travel Motor - Disassemble

SMCS - 4351-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	8T-6699	Bolt	2
	126-7183	Crossblock	1
	126-7181	Sliding Plate	2
B	8H-0663	Bearing Puller Gp	1

Start By:

- a. Remove the travel motor. Refer to Disassembly and Assembly, "Travel Motor - Remove".

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, PERJ1017, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat[®] products.

Dispose of all fluids according to local regulations and mandates.

Note: Thoroughly clean the outside of the travel motor prior to disassembly.

1. Fasten the travel motor to a suitable lifting device in a vertical position. The weight of the travel motor is approximately 60 kg (132 lb).

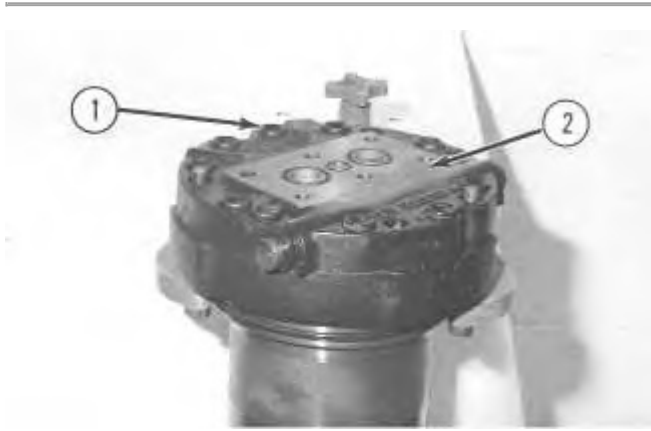


Illustration 1

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Note: Put an alignment mark across the head and the body of the travel motor for assembly purposes. The head must be reinstalled in the head's original position on the body of the travel motor.

Note: During the removal of head (2) from the body of the travel motor, be careful not to damage the mating surfaces of the components.

2. Remove socket head bolts (1).
3. Remove head (2) from the body of the travel motor.

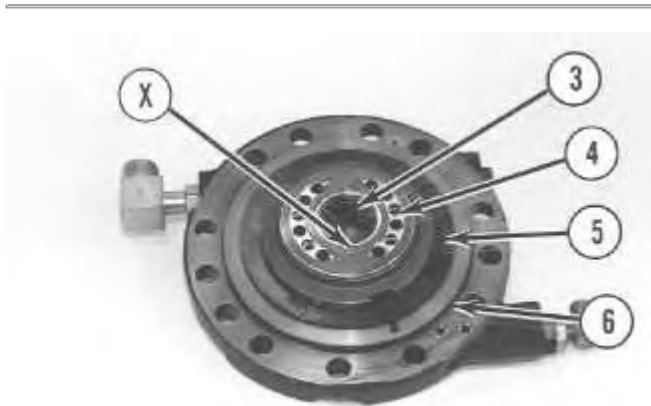


Illustration 2

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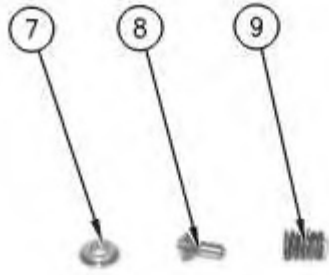


Illustration 3

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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.

4. Turn over head (2).
5. Remove O-ring seal (6), shims (5), port plate (4), and bearing (3) from the head.
6. Remove the check valve assemblies from the head.

Note: There is a retainer under spring (9). This retainer is a press fit in head (2). Do not remove the retainer.

7. Insert a dowel rod with a small diameter into Hole (X). Tap the dowel rod with a plastic hammer in order to remove spring (9), poppet (8), and seat (7) from the head.
-



8. Remove fittings (10) and plugs (11) from the head. Remove the O-ring seal from each fitting.



Illustration 5

9. Remove O-ring seals (12) and washer set (13) from the body of the travel motor.
10. Use Tooling (A) and low air pressure to remove brake piston (14). Remove brake piston (14) from the body of the travel motor.

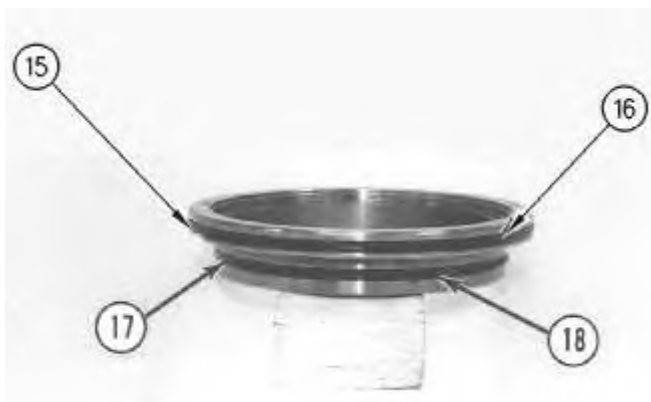


Illustration 6

11. Remove O-ring seal (16) from the brake piston. Remove backup ring (15) from the brake piston.
 12. Remove O-ring seal (17) from the brake piston. Remove backup ring (18) from the brake piston.
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