



Service Repair Manual

Models

349F and 349F L Excavator

Product: EXCAVATOR

Model: 349F EXCAVATOR HLB

Configuration: 349F & 349F L Excavators HLB00001-UP (MACHINE) POWERED BY C13 Engine

Disassembly and Assembly 349F and 352F Excavators Machine Systems

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i07203491

Travel Motor - Disassemble

SMCS - 4351-015

Disassemble Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-2420	Transmission Repair Stand	1
B	421-5662	Lifting Eye Assembly	1
C	154-6182	M12x1.75 mm Forcing Bolt	2
	6V-8149	M12x1.75 mm Nut	4
	5P-8245	M12 Hard Washer	4
D	-	M3x0.5 Threaded Rod	1
	3K-3068	3 mm Thrust Washer	1
	3C-6969	M3x0.5 Nut	2
E	8T-0276	M8x45mm Bolt	2
	9M-1974	M8 Hard Washer	2

Start By:

- Remove travel motor.

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, "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.



Illustration 1

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1. Use Tooling (B) and a suitable lifting device to position travel motor (1) in a vertical position on Tooling (A). The weight of travel motor (1) is approximately 136 kg (300 lb). Use Tooling (C) to attach travel motor (1) to Tooling (A).
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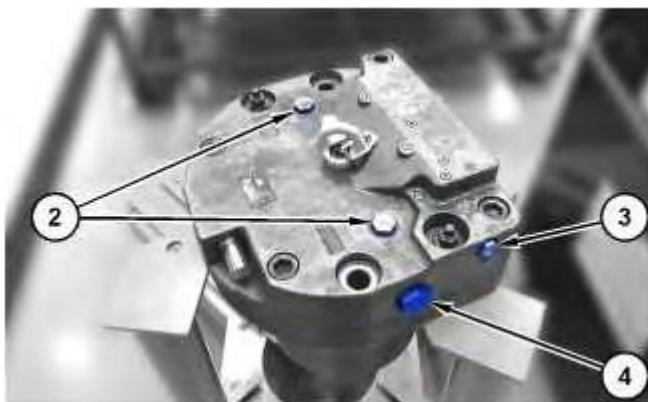


Illustration 2

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2. Remove plugs (2), plug (3), plug (4), and the O-ring seals.



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.

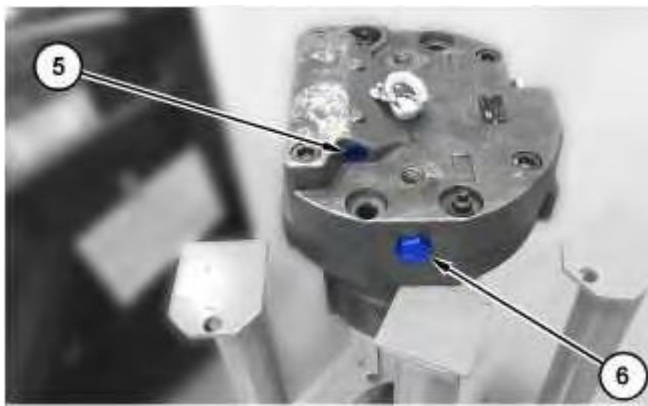


Illustration 3

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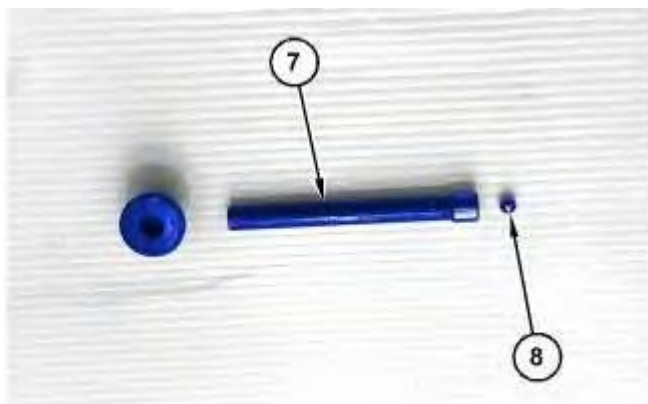


Illustration 4

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3. Remove plug (6) and the O-ring seal.
 4. Remove plug (5), stopper (7), and ball (8).
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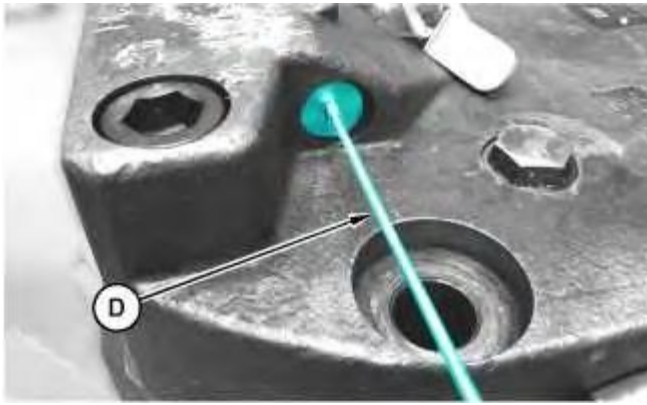


Illustration 5

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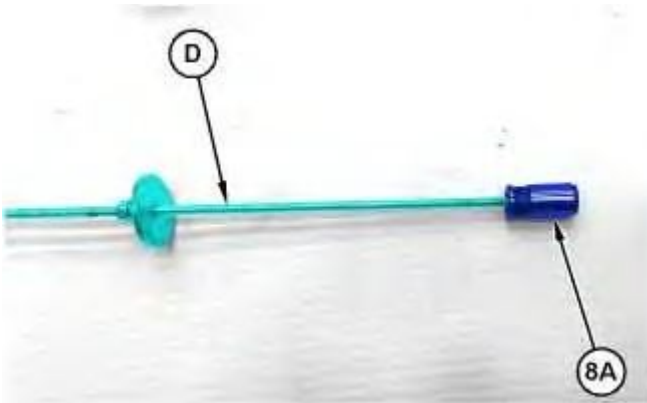


Illustration 6

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5. Use Tooling (D) and a suitable washer to extract seat (8A).

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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