



# Service Repair Manual

## **Models**

349E and 349E L Excavator

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Product: EXCAVATOR

Model: 349E EXCAVATOR FJB

Configuration: 349E & 349E L Excavators FJB00001-UP (MACHINE) POWERED BY C13 Engine

## Disassembly and Assembly 349E Excavator and 349E MHPU Mobile Hydraulic Power Unit C13 Engine Supplement

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# Fan Drive - Disassemble - Hydraulic Fan Drive

SMCS - 1359-015

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-1861	Retaining Ring Pliers	1
B	9U-7480	Compressing Tube	1
C	1P-1859	Retaining Ring Pliers	1
D	1P-1863	Retaining Ring Pliers	1

### Start By:

- a. Remove the Hydraulic fan Drive. Refer to Disassembly and Assembly, "Fan Drive - Remove and Install".

**Note:** Cleanliness is an important factor. Before you begin the disassembly procedure, thoroughly clean the exterior of the components. This procedure will help to prevent dirt from entering the internal mechanism. Precision components can be damaged by contaminants or by dirt. Perform disassembly procedures on a clean work surface. Keep components covered and protected at all times.

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### 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.

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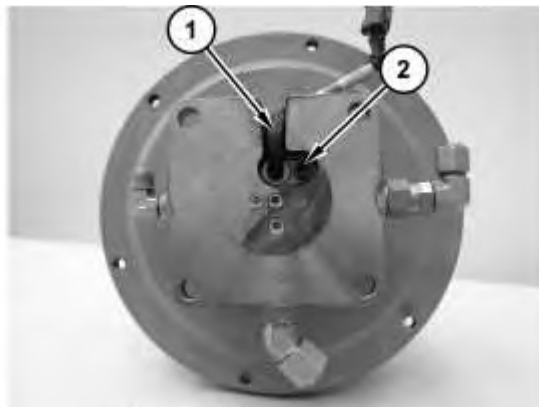


Illustration 1

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1. Remove bolt (2) and sensor (1).

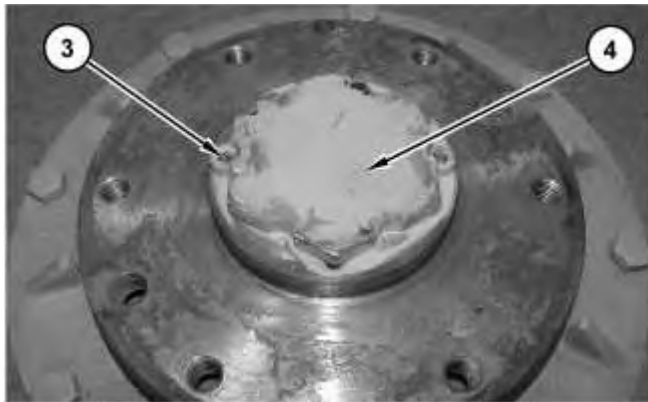


Illustration 2

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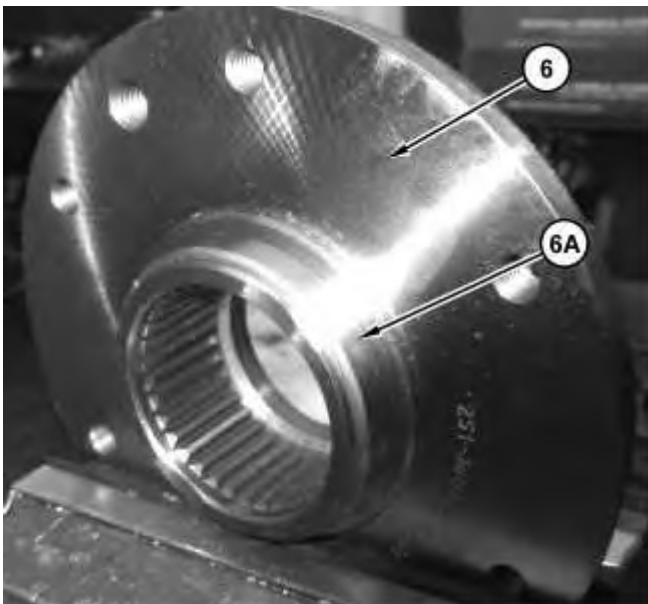
2. Remove bolts (3). Remove retainer (4).
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Illustration 3

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Illustration 4

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3. Remove O-ring seal (5) and drive flange (6).
  4. Firmly secure drive flange (6) with a suitable vise. Protect drive flange (6) in order to prevent damage during clamping.
  5. Use a hammer and a chisel in order to break sleeve (6A). Use extreme care to prevent damage to drive flange (6).
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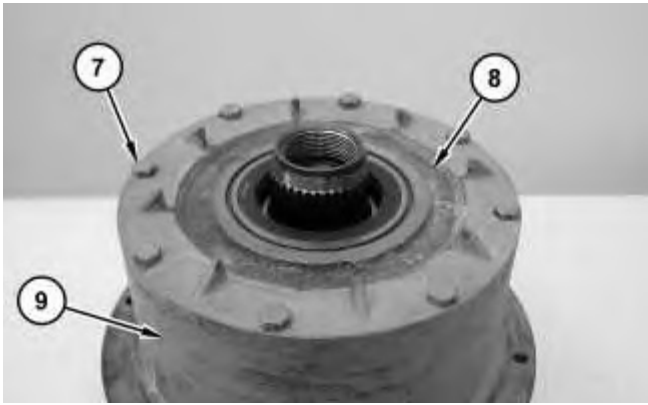


Illustration 5

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6. Remove bolts (7). Separate cover assembly (8) from case (9).



Illustration 6

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7. Position cover assembly (8) on the opposite side.
8. Remove O-ring seal (10) from cover assembly (8).

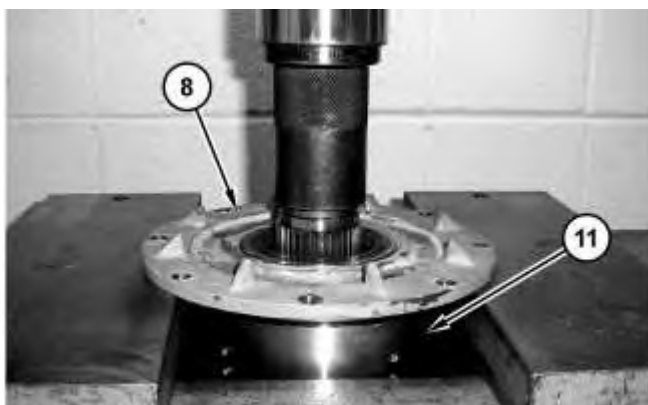


Illustration 7

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9. Use a suitable press in order to separate cover assembly (8) and clutch housing assembly (11).

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