



# Service Repair Manual

## **Models**

# 325B EXCAVATOR

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Product: EXCAVATOR  
Model: 325B EXCAVATOR 8GM  
Configuration: ISJ HEX COMMONALITY CHART 8GM00001-UP (MACHINE)

## Disassembly and Assembly Flexxaire Fan

Media Number -REN3699-07

Publication Date -01/02/2012

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i01742852

## Mechanical Actuated Fan - Disassemble

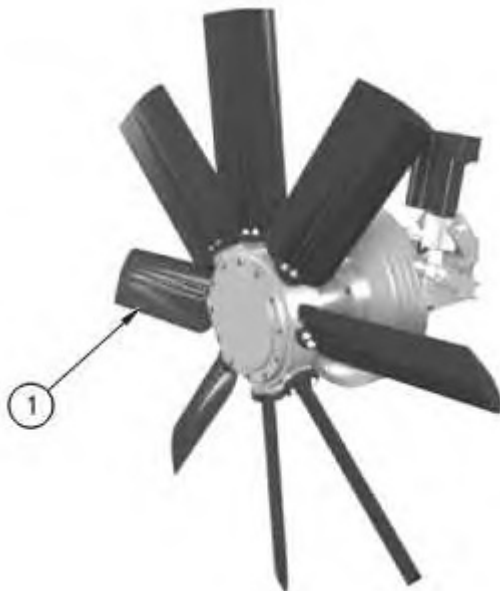
SMCS - 1356-015

### Preliminary Disassembly Procedure

The following procedures will aid you in failure analysis.

**Note:** Removal of the fan is not always necessary in order to remove the bellcrank and the control shaft assembly.

**Note:** If removal of the fan is required, refer to Disassembly and Assembly, "Fan - Remove and Install" for your machine for the procedure to remove the fan.



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Illustration 1

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1. Remove blades (1) from the fan assembly.

2. Mount the fan assembly to a stand, if a stand is available.

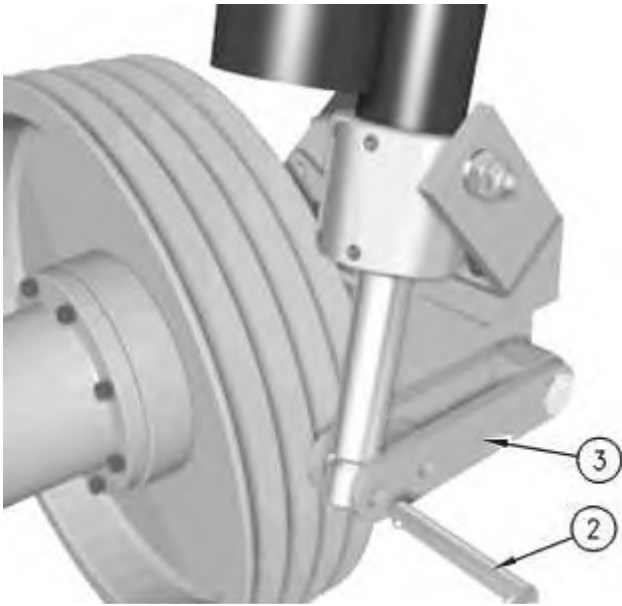


Illustration 2

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3. Remove hitch pin (2) from operator fork (3).

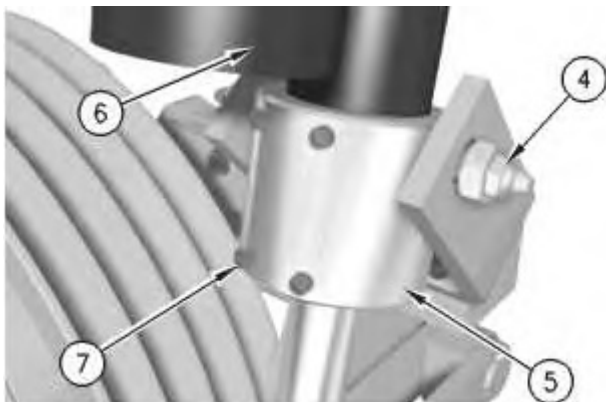


Illustration 3

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4. Loosen four setscrews (7) and remove actuator (6) from actuator collar (5). If you are unable to loosen setscrews (7), remove shoulder bolts (4) from actuator collar (5).
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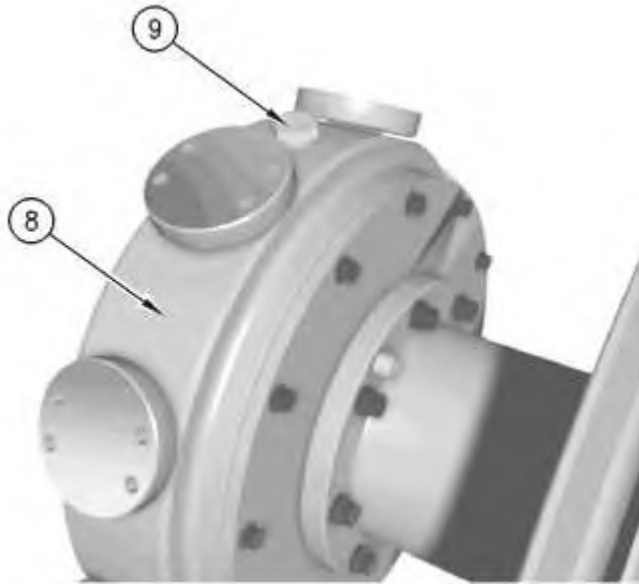


Illustration 4

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5. Rotate hub (8) until oil filler plug (9) is facing upward.
6. Remove oil filler plug (9).

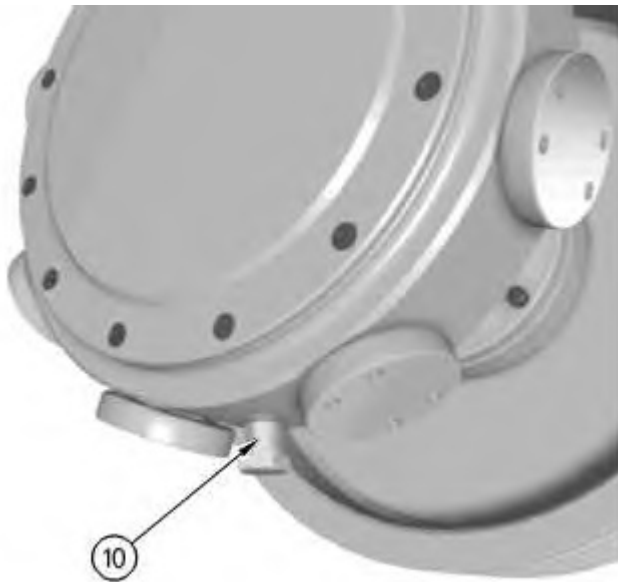


Illustration 5

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7. Remove oil drain plug (10) and drain the oil into a suitable container. Record the amount of oil that is contained.
8. Install two bolts into one of the blade mounting shafts. Use the bolts in order to rotate the blade mounting shaft through the full range of motion. The operator fork should contact both of the mechanical stops that are located on the alignment plate.

## Pressure Test

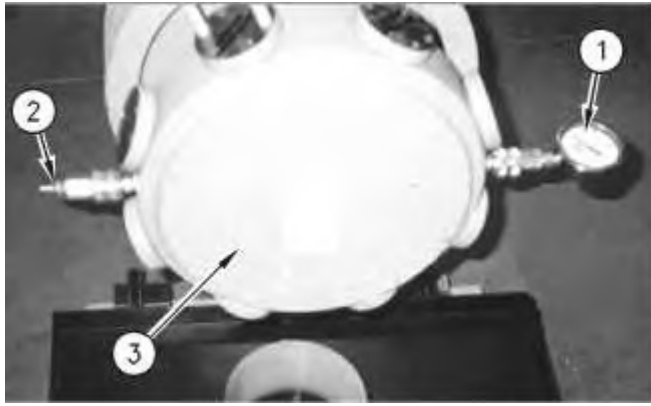


Illustration 6

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1. Attach air pressure gauge (1) and air chuck (2) into the ports that contained the oil plugs.
2. Pressurize hub (3) with 103.0 kPa (15.0 psi) to 138.0 kPa (20.0 psi) of air.

**Note:** A 6.9 kPa (1.0 psi) to 20.7 kPa (3.0 psi) pressure drop is immediately evident.

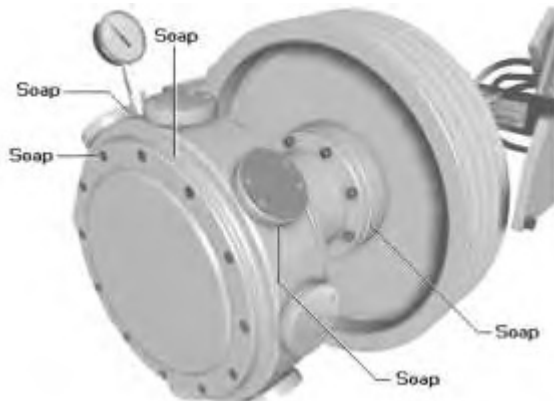


Illustration 7

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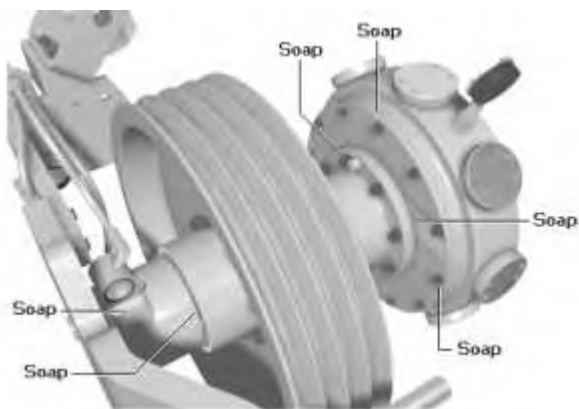


Illustration 8

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