



# Product Support Bulletin 2010-008

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## Maintenance of Way ~ Work Equipment Bulletin

**DATE:** August 10, 2010

**SUBJECT:** Fan Blade Depth Gauge Kit - 96510287

**RATING:**  **DIRECTIVE**  
(Action is required)

**ALERT**  
(Potential Problem)

**INFORMATION**  
(Action is optional)

**PRODUCT IMPROVEMENT**  
(Enhance Product)

**MACHINE MODEL(S):** BAAM – Bulk Automatic Anchor Machine  
CX Hammer

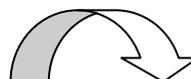
**SERIAL NUMBER(S):** All with Dust Collector Blower

**SUMMARY:** The location of the Fan Blade inside the Blower Housing is critical to proper blower operation. The Fan Blade may shift over time and if it is not located correctly, the Fan Blade may rub on the Blower Housing or it may not be properly secured to the motor shaft.

**OPERATIONAL IMPACT:** If the Fan Blade rubs on the Blower Housing, it may eventually wear through the housing causing the blower to fail. If the Fan Blade is not properly secured to the motor shaft, the shaft key could fall out and the shaft will turn inside the Fan Blade. Consequently, the bore of the Fan Blade could be worn and become loose on the shaft.

**ACTION:** A **Blower Depth Gauge Kit, p/n 96510287**, is available to check the location of the Fan Blade inside the Blower Housing. Depth Gauge p/n 7007102 and Blower Depth Decal, p/n 56420108 is included in this kit. See Figure 2 on page 2.

To use the Depth Gauge, a 1/4" hole must be drilled in the drive side of the Blower Housing as shown in Figure 1 on Page 2. The hole may be drilled in any one of 3 locations in the Blower Housing and care should be taken to avoid drilling into the Fan Blade itself. Drilling into the Fan Blade may cause it to become unbalanced. **Be sure to follow all Lock Out/Tag Out procedures before drilling and when testing the Fan Blade location.** See Figure 4 on Page 3.

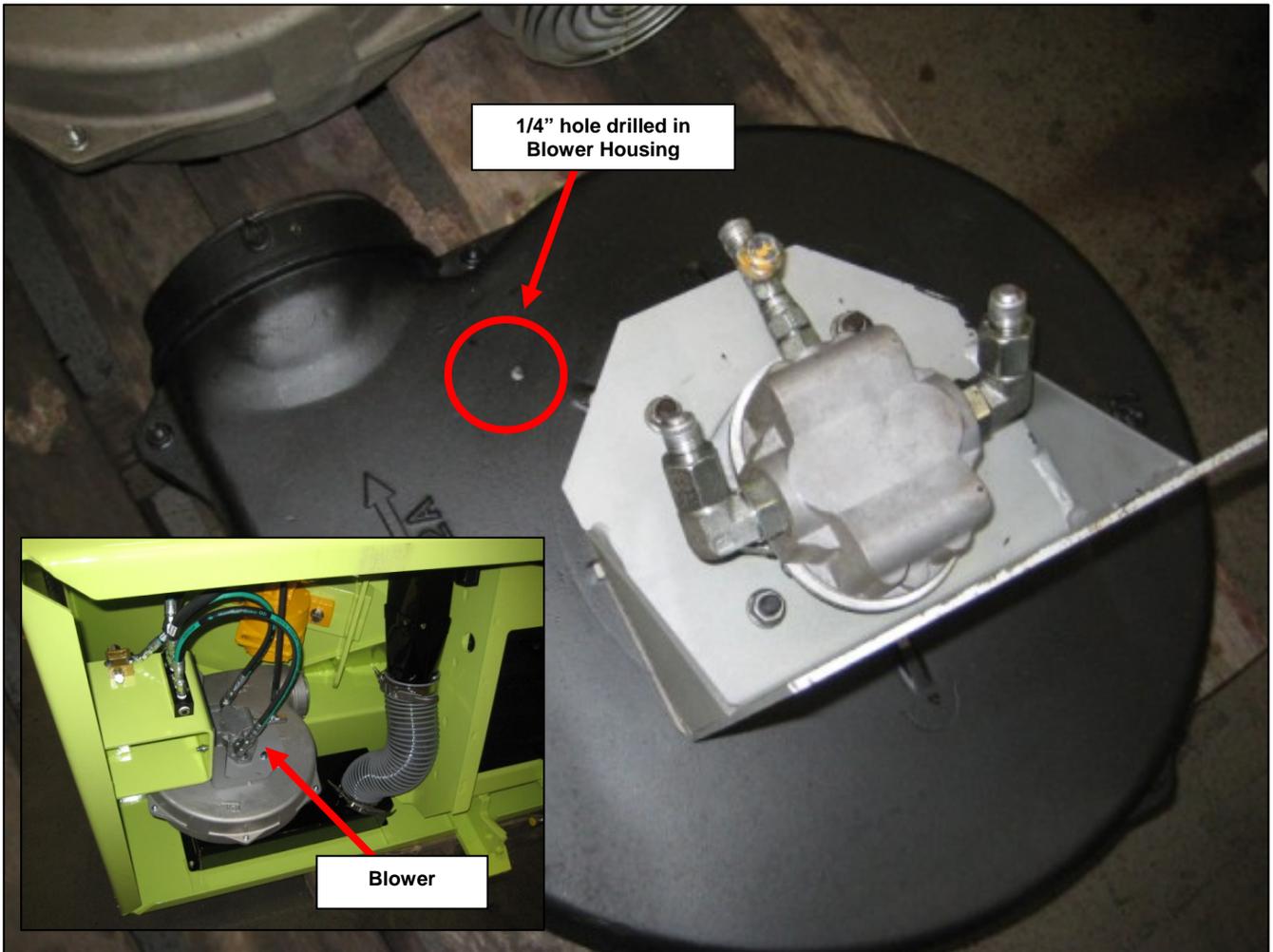


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**ACTION (cont'd)** The correct location of the Fan Blade should be between 9/32" and 20/32" (5/8") when measured with the 7007102 Depth Gauge. See Figure 3 on Page 3. A reading of less than 9/32" indicates that the Fan Blade is close to rubbing on the Blower Housing; a reading more than 20/32" indicates the Fan Blade setscrew may not be properly tightened on the motor shaft key and the Fan Blade is loose on the motor shaft.

The Blower Depth Measurement Decal, p/n 56420108, should be applied to the Blower Housing in the area of drilled hole as a reminder of the proper Blower Fan Blade/Blower Housing clearance.

**WARRANTY:** None

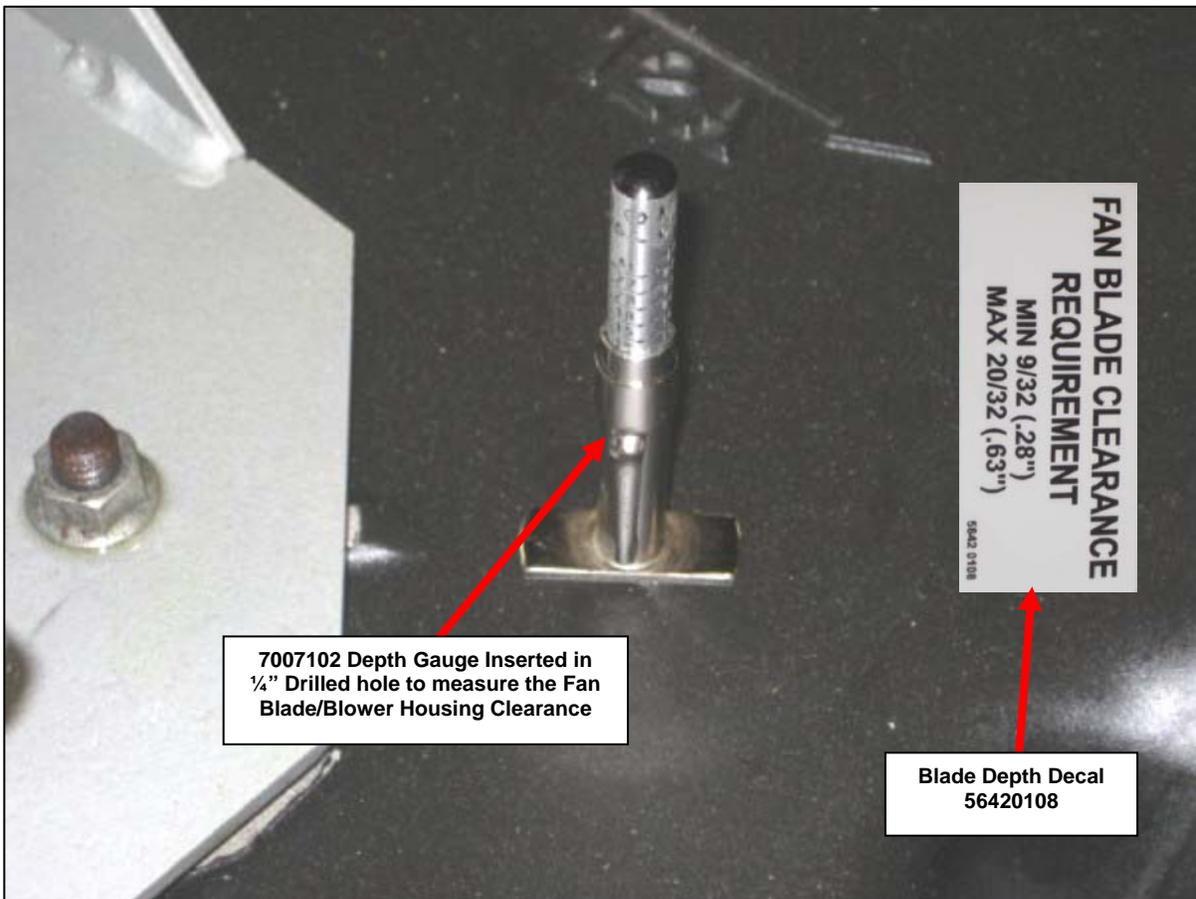


**Figure 1**

Drill a 1/4" diameter hole through the Blower Housing as shown. Take care to not drill into the Fan Blade. The Blower is shown mounted on a CX Hammer Bin (inset). The BAAM Bin is similar.



**Figure 2**  
7007120 Depth Gauge

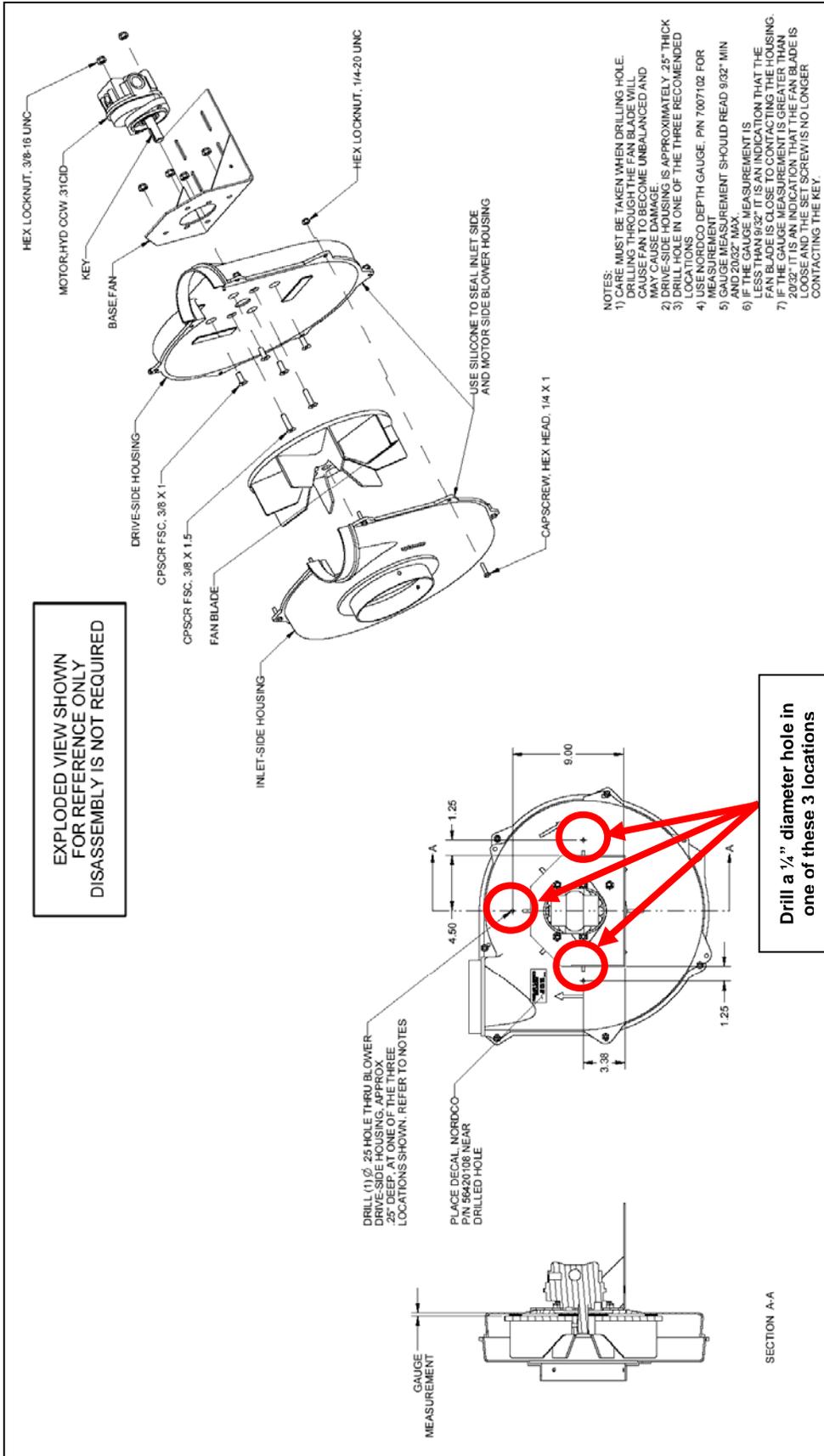


7007102 Depth Gauge Inserted in 1/4" Drilled hole to measure the Fan Blade/Blower Housing Clearance

Blade Depth Decal  
56420108

**Figure 3**

Using the 7007102 Depth Gauge to measure the clearance between the Fan Blade and Blower Housing. The clearance should be between 9/32" and 20/32" (5/8").



**Figure 4** Drill 1/4" diameter hole in one of the three locations shown. Avoid drilling into Fan Blade Blade.