



**LIGHTNING**

# SERVICE BULLETIN No.006

*Circulate to listed addressees.*

<b>PRODUCT MODEL</b>	: CCS Lightning
<b>BULLETIN TYPE</b>	: Product Testing
<b>MANUAL / SECTION</b>	: N/A
<b>PARTS LIST REVISION</b>	: N/A
<b>EFFECTIVE DATE</b>	: June 27, 2006
<b>SUBJECT</b>	: <b>HVAC Performance Evaluation Procedure</b>
<b>UNITS AFFECTED</b>	: S/N < 61499999
<b>PARTS AFFECTED</b>	: N/A
<b>TERMS &amp; CONDITIONS</b>	: N/A

**DESCRIPTION:**

The CHEB units cooling capacity is in question due to possible capillary tube defect. Please perform the test (see next page) and if the unit fails to meet criteria #2 and #3, the CHEB should be replaced.

*Service personnel: Please read, initial and circulate.*

<b>Service Manager</b>	<b>Parts Manager</b>	<b>Warranty administrator</b>	<b>Workshop Foreman</b>	<b>Service Technician</b>

**PARTS AND PRODUCTS :**

PN:	Description:	Qty:
1058689	10K CHEB unit	
1058691	14K CHEB unit	

**SYMPTOMS :**

- Decreased cooling performance

**EVALUATION PROCEDURE :**

To accurately determine proper operating parameters, the unit will need to run before data collection. Please follow these steps for determination of proper operation:

1. Turn unit on in COOL mode; allow to operate for five minutes.
2. After five minutes, look for the following:
  - a. On the **10K unit**, the return bends on the evaporator coil should be cold and sweaty all the way up the coil (Fig. 1)
  - b. On the **14K unit**, the coil circuitry is a little different. The return bends should be checked for saturation height (**All three coils should be sweaty to equal heights**); as well as making sure each of the three circuits is active (Fig. 2). The return bends should be cold and sweaty all the way up the coil (Figure 1.)
3. The unit should have at least 15°F (8°C) differential from intake at the coil to discharge grill with the Fan on high.



Figure 1

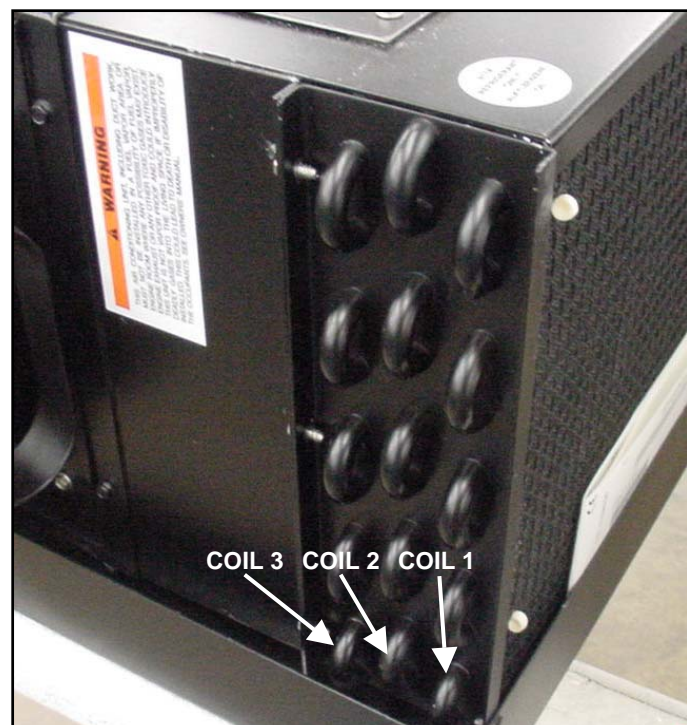


Figure 2