

<b>440-0015-148</b>		Sht. 1 of 5	APP'D BY SGA
ISSUE	EDO NO.	APP'D	DATE
1	08-16-102	JEN	8/26/16

## 700-0005-594 SENSING ELEMENT CLEANING PROCEDURE

### Purpose:

Provide guidance for cleaning the 700-0005-594 sensing element. Cleaning the insulator inside the sensing element may be required in some applications to prevent false alarms caused by moisture condensing on the surface of a contaminated insulator inside the sensing element.

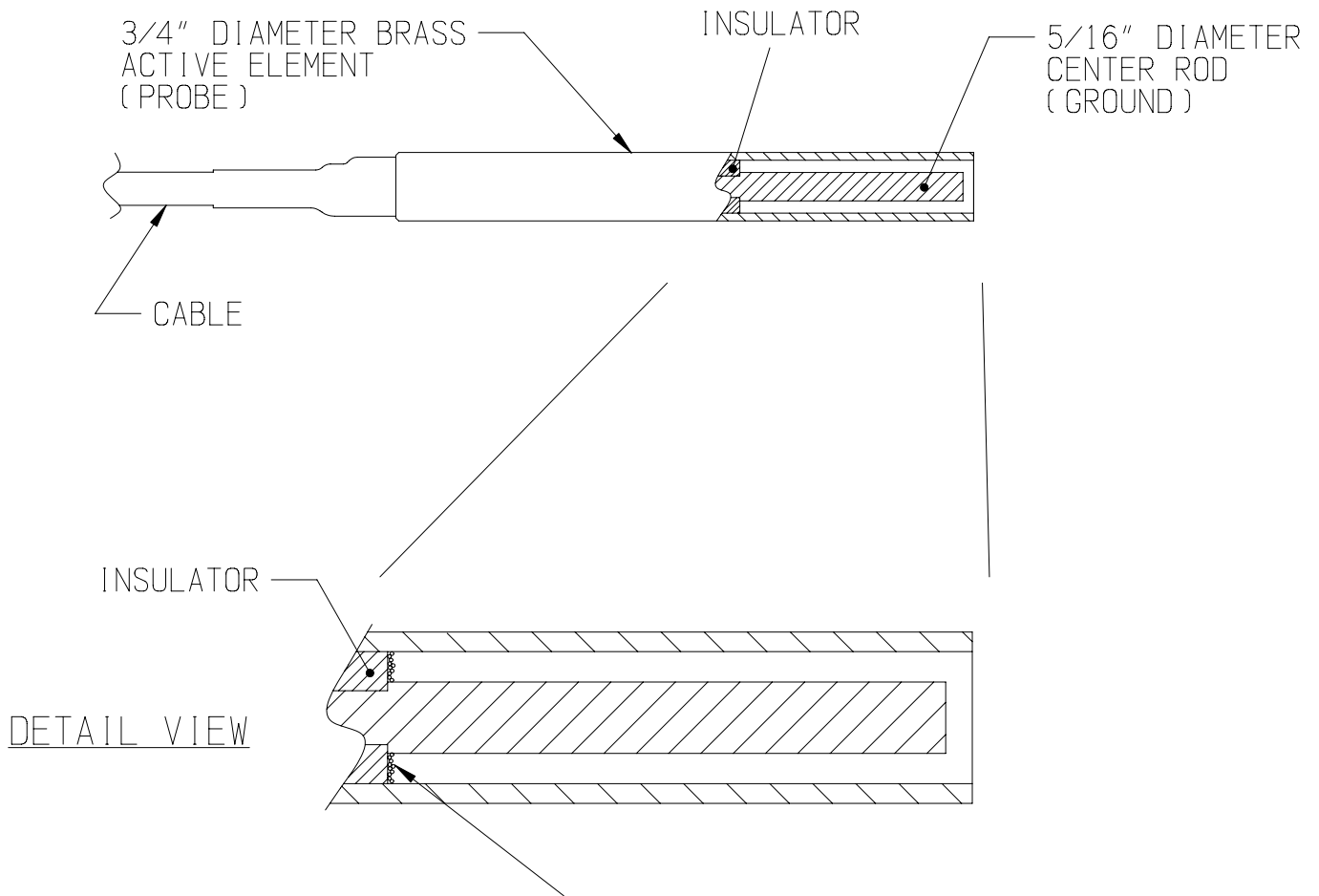
### Tools and supplies:

- Eye and hand protection  
**Caution:** Use safety glasses or goggles and chemical resistant gloves.
  
- Aerosol contact cleaner with straw extension nozzle  
 (Note: Use Plastic Safe Contact Cleaner)  
 Example: PF Precision Cleaner manufactured by CRC, Part No. 03190  
 Available from Fastenal, Grainger and other distributors
  
- 1/8" diameter brush  
 Available from Ametek, Part No. 440-0502-111
  
- Penlight type flashlight



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# SECTIONED VIEW OF THE SENSING ELEMENT



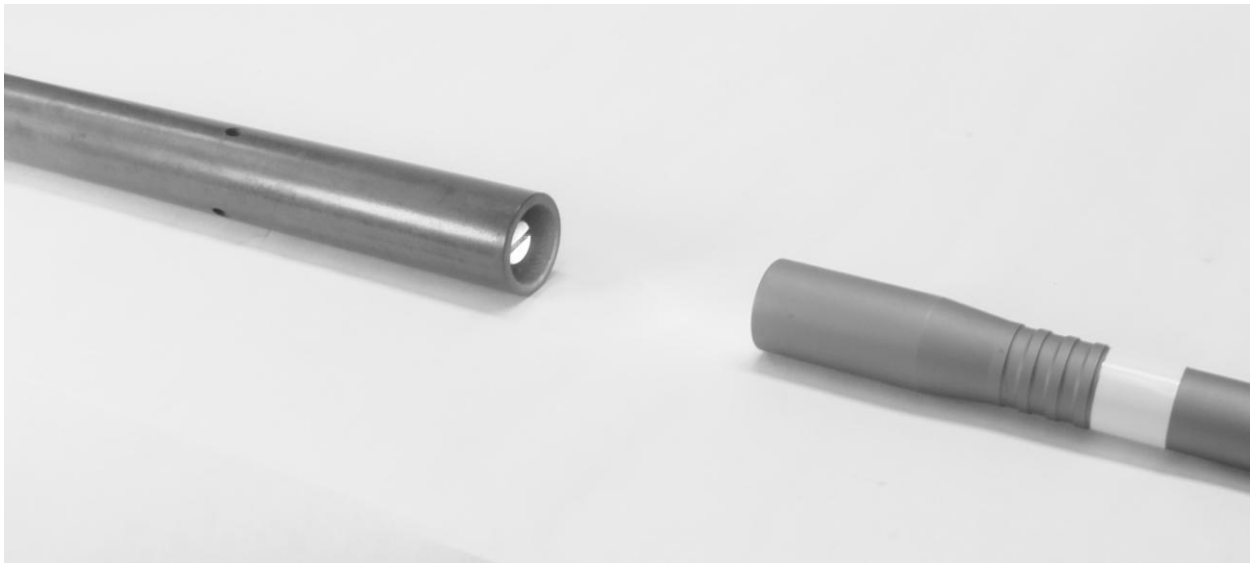
REMOVE CONTAMINANTS FROM THE EXPOSED SURFACE OF THE INSULATOR.

Procedure:

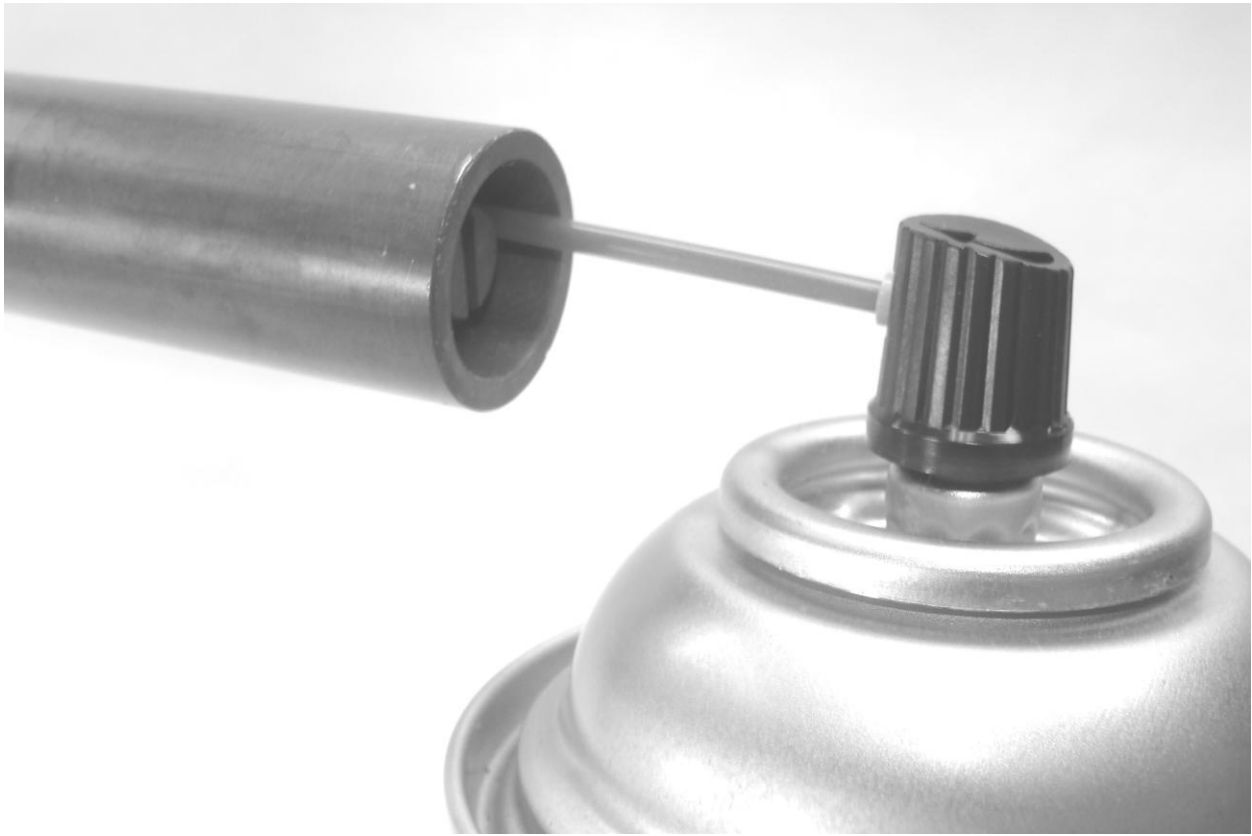
**Important:** Deactivate the switch from the monitoring system because handling the sensing element will cause a high level alarm condition.



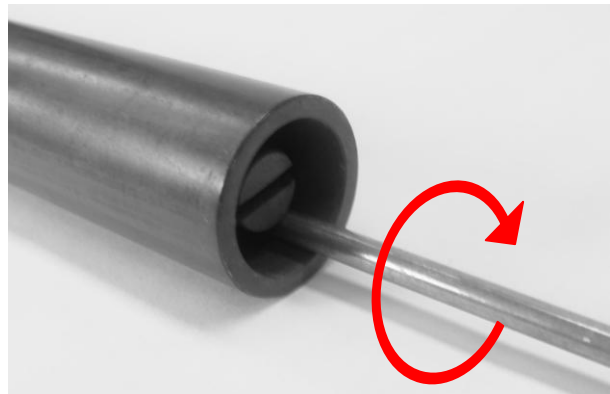
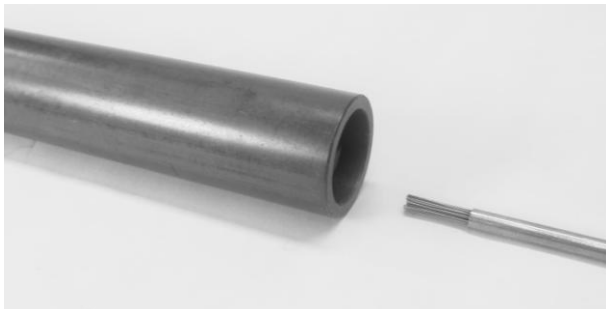
**Step 1.** Remove the brass sensing element from the tank.



**Step 2.** Use a small flash light to inspect the inside of the sensing element. Look for contaminants that have accumulated onto the surface of the insulator inside the open end of the sensing element.



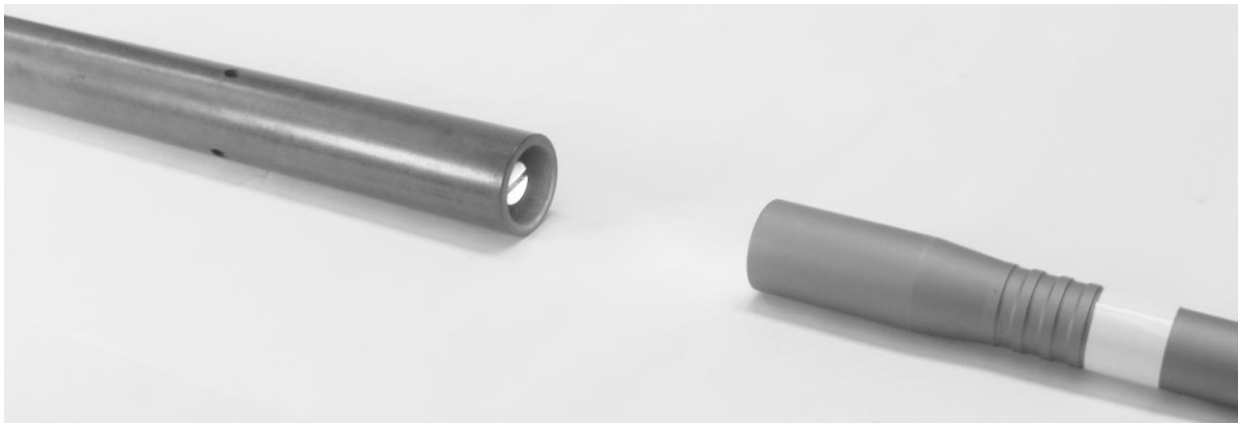
**Step 3.** Use contact cleaner to flush out contaminants.



**Step 4.** Use the 1/8" diameter brush to clean the insulator inside the sensing element.



**Step 5.** Again flush the inside of the sensing element with contact cleaner.



**Step 6.** Allow the contact cleaner to dry then inspect the inside of the sensing element. The color of the insulator should be white or light tan when it is clean. Repeat steps 4, 5, and 6 until the insulator is clean.

**Step 7.** Reinstall the sensing element and perform a Re-Calibration.

**Notice:** Do not push the “ReCal” Button without first ensuring the material being measured is below the sensing element.

**Re-Calibration Instructions:**

Press and hold the “Re-Cal” Button for 5 seconds. The green LED flashes for 60 seconds before reset occurs. Note: The Re-Cal Button is labeled PB1 as shown on the label inside the lid.