

# CAL Guide to Belfort B5-780 “Universal Recording Raingage” cleaning

Please call 800-952-7353 if you have concerns.

## 1. CLEANING PROCEDURE

The pages which follow serve as a guide to the cleaning of the raingage mechanism. The steps needed in this cleaning are:

- A) Gather materials needed
- B) Case removal
- C) Gross debris removal
- D) Zero residue cleaning
- E) Reassembly

**NOTE:** the procedures described here will require the raingage internal mechanism to be exposed for up to one hour. Do not attempt cleaning of the raingage unless you are assured of good weather.

### A) Gather materials needed

#### TOOLS

- medium sized straight blade screwdriver
- small ½" soft bristle paint brush
- safety goggles

#### SUPPLIES -

- spray can of GUMOUT or other zero residue cleaner
- paper towels



Photo 1

### B) Case removal

At the site; first remove the top cap of the raingage and the catch bucket. Remove the bucket retaining platform screw, fender washer and platform. See Photo 1

Set them aside as noted in Photo 2,  
you will reassemble them in a few minutes.



Photo 2



Photo 3

Remove the 5 small screws which hold the “milk can” to the base of the mechanism as shown in Photo 3 and carefully lift it off the raingage base.

Re-install the bucket retaining platform, fender washer, screw and bucket. Essentially at this point you have the raingage assembled and ready for operation, except the outside shell is off. See Photo 4.

**PUT ON SAFETY GOGGLES.**



C) Gross debris removal  
Using the soft bristle brush, gently dust off the spiders webs or dust from the mechanism concentrating on the area noted in Photo 5.

10/05 MTL

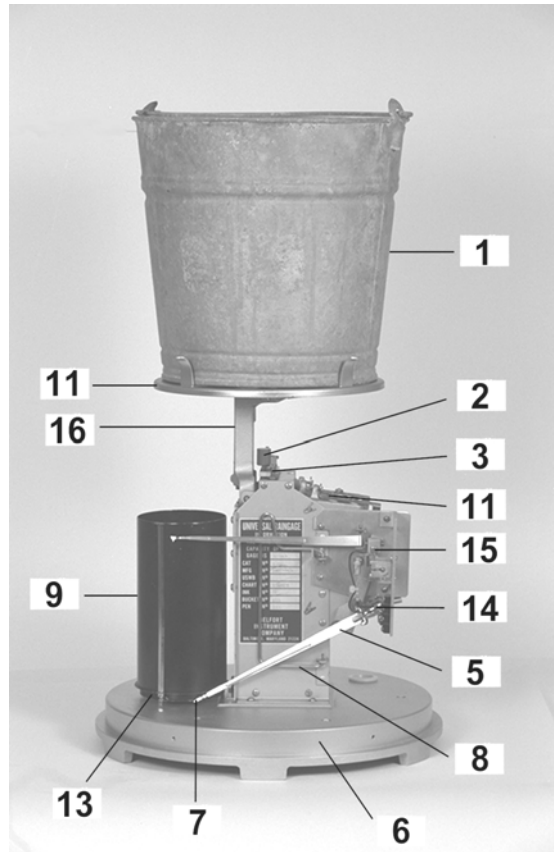


Photo 4

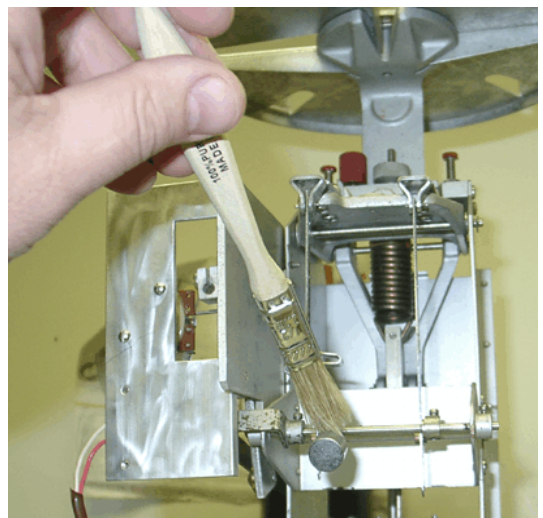


Photo 5

D) Zero residue cleaning

Liberalily spray the zero-residue cleaner onto the raingage at the points noted by the red arrows in the photos on this page.

See Photo ,6,7, 8 and 9.

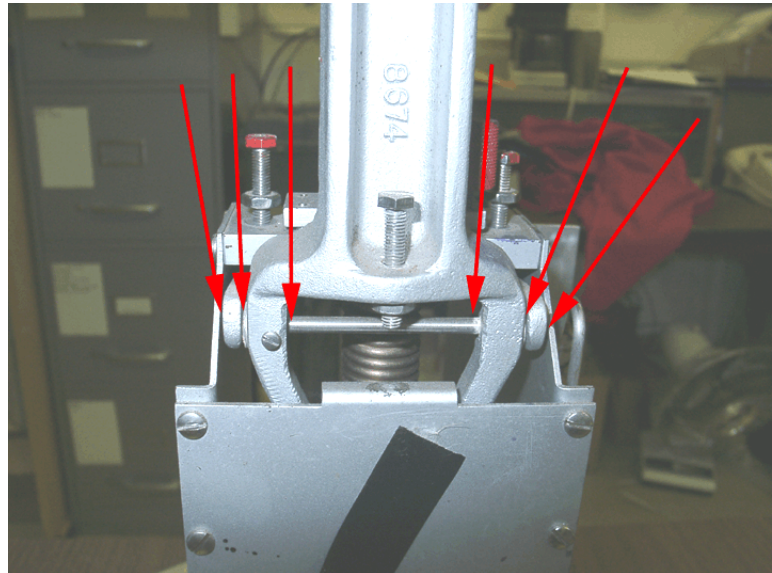


Photo 6

Use plenty of spray and while you are applying the cleaner push down and release the bucket and platform to “exercise” the raingage as you attempt to drive out any debris from the axles and pivot points noted.

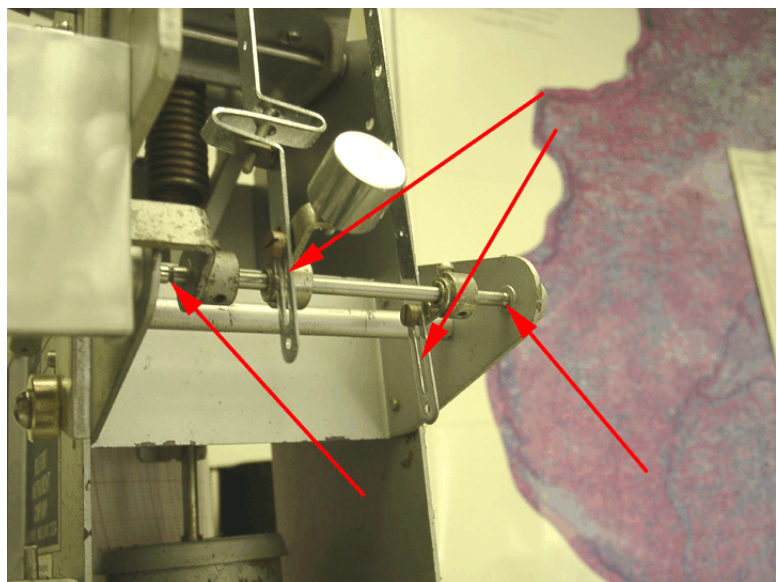


Photo 7

Concentrate especially on the area of the oval shaped hole noted by A and B on Photo 8. This is an area of metal-to-metal sliding contact and is subject to corrosion and the presence of foreign material.

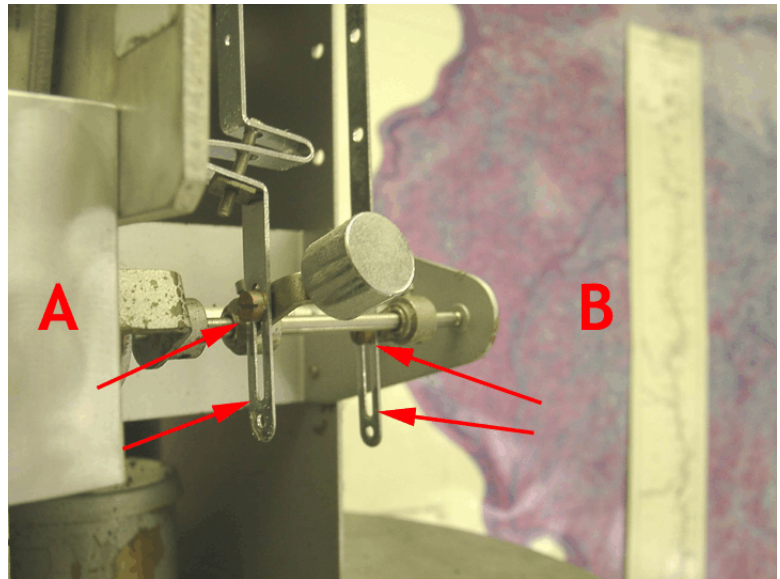


Photo 8

E) Reassembly

After you have completed the application of the zero-residue cleaner, reassemble the raingage by reversing the steps above in section B.

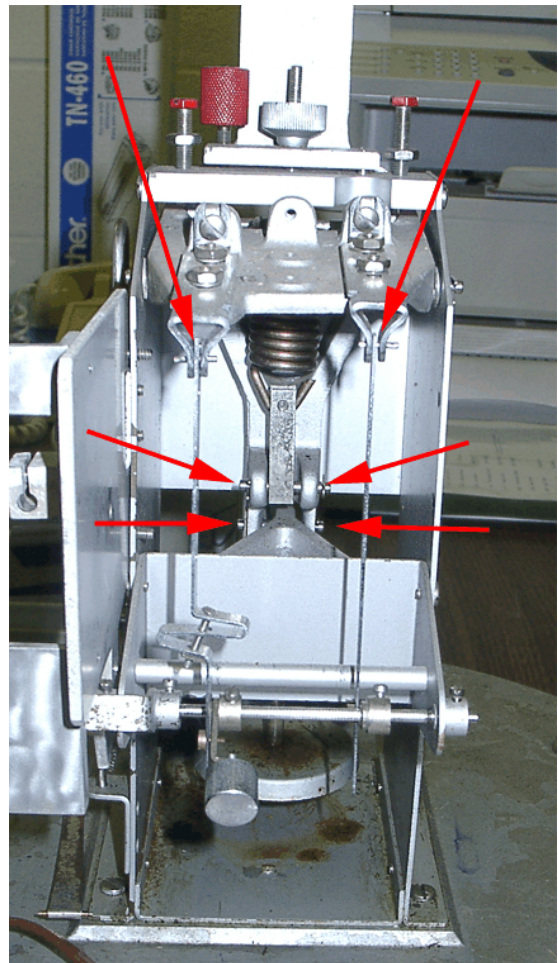


Photo 9