



MDN Lid Seal Change-out, ACM Collector

Items needed:

- new lid seal
- medium-sized, straight blade screwdriver
- fresh (< 6 months old) milli-Q or deionized water in a plastic squeeze bottle
- paper towels or lab wipes (e.g., Kimwipes[®])
- MDN Observer Form (MOF) for current week's sample

Precaution:

Complete this work after collecting the previous week's sample, but before the sample bottle and glass sample train (i.e., funnel and thistle tube) for the current week's sample is deployed.

Instructions:

1. Remove dry-side bucket. The sample bottle and glass sample train should be removed already, as noted in the **Precaution** above.
2. Unplug/turn off the collector when the lid approaches mid-point between the dry side bucket holder and the chimneys
3. Unscrew and remove the L-retainers as indicated in the figures below. Two L-retainers hold the lid seal in place. Be careful not to misplace the screws.



4. Remove old lid seal and set aside for return to the HAL.
5. Insert the new lid seal, foam side down, so it faces the bucket opening. Do not remove the plastic wrap from the lid seal.
6. Replace and screw in each L-retainer.
7. Moisten a lab wipe (e.g. Kimwipes) or paper towel (non-print/colored) with milli-Q (or deionized) water. Wipe down the newly installed lid seal.

8. In Block 9 **Remarks** of the MOF, record the date and time that the lid seal was replaced.

<p>9. REMARKS <i>For example: equipment malfunction, extreme weather conditions, contamination, farming, burning, logging, leakage, etc.</i></p> <p><i>Lid pad replaced at 8:45 am on 07/10/2012.</i></p>
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9. Return old lid seal to the HAL so the aluminum backing plate can be re-used. The old lid seal may be shipped in the box that the new lid seal arrived in.

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