



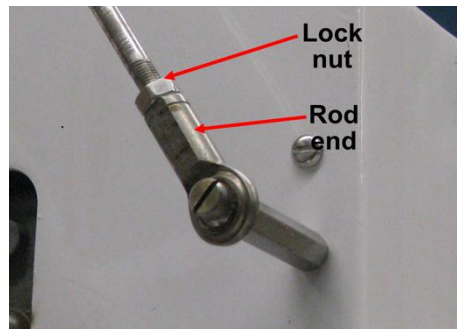
MDN Motorbox Replacement, N-CON Collector

Items needed:

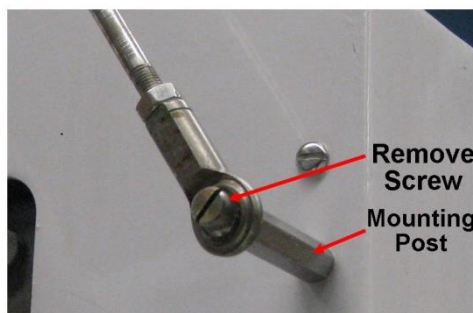
- medium-sized, straight blade screwdriver
- medium-sized, Phillips head screwdriver
- 3/32-inch allen wrench
- 3/8-inch wrench or socket
- paper towel and/or scrubbing pad
- replacement motorbox (included)
- MDN Observer Form (MOF) for current week

Instructions:

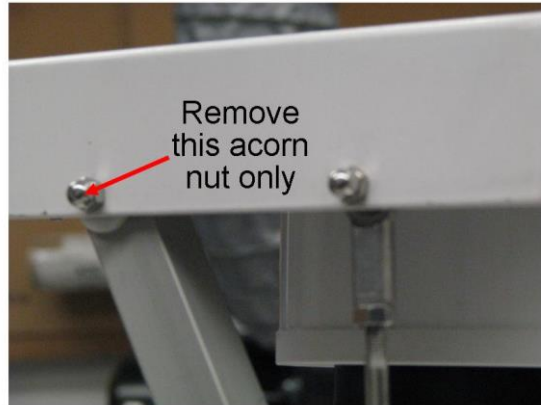
1. With the collector lid in the closed position, disconnect power from the collector. This can be done either using the ON/OFF switch, or by unplugging the power cord.
2. Verify that the lock nut is secure. If the lock nut is not snug against the rod end, the collector lid may not seal properly when the collector is reassembled.



3. Using the straight blade screw driver, remove the screw that secures the bottom of the back collector lid arm to the collector. Be careful not to drop or misplace the screws. They will be used when reassembling the collector. Leave the mounting post in place.



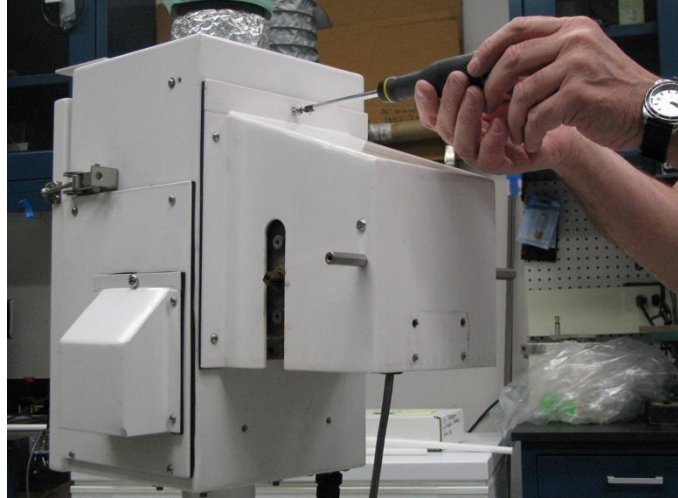
4. Remove acorn nut and the corresponding machine screw from the top of the front collector arm. Again, store the acorn nuts, screws, and Delrin bushings for use when reassembling the collector. Leave the back collector arm in place.



5. Repeat Steps 2-4 for the collector arms on the opposite side of the collector.
6. Lift the lid off the collector, and set aside. The back arms should still be attached to the lid.
7. Using the allen wrench, loosen (but do not remove) the set screw that locks the shaft connecting the front collector arm to the motorbox. Remove front collector arm and set aside.



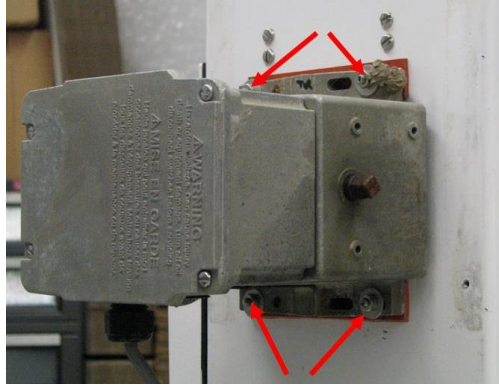
8. Repeat Step 7 for front collector arm on the opposite side of the collector.
9. Remove the screws that secure the motorbox cover to the back of the collector. Then remove the motorbox cover. If necessary, use a straight-blade screw driver to break the seal between the gasket and the collector housing. The motorbox cover may stick to the collector housing even with the screws removed.



10. Disconnect the power cable connecting the motorbox to the collector.



11. Remove the nuts that secure the motorbox to the back of the collector. Hold the motorbox in place when removing the last nut so the motorbox does not fall to the ground. Again, be careful not to drop or misplace the nuts. They will be used when reassembling the collector.



12. Using paper towels or the scrubbing pad, clean the mounting surface and the motorbox cover.
13. Install the replacement motorbox. Reassemble the collector by repeating steps 2-10 in reverse order.
14. Reconnect/turn on power to the collector.
15. Trigger the sensor by waving fingers through the detection area. This will cycle the collector. The lid should open and close freely.
16. Include a note in Block 9 (**Remarks**) of the MOF to let the NADP Site Liaison know that the motorbox was replaced.

9. REMARKS	<i>For example: equipment malfunction, extreme weather conditions, contamination, farming, burning, logging, leakage, etc.</i>
<i>Motorbox replaced at 8:45 am on 07/03/2012.</i>	

17. Return the old motorbox to the NADP Network Equipment Depot (NED). Include a note describing the problem with the motorbox.

NADP Network Equipment Depot
Wisconsin State Laboratory of Hygiene
465 Henry Mall
Madison, WI 53706

18. Contact the NADP Site Liaison at 800-952-7353 if you have any questions or concerns.