



NOAH IV Collection Chamber Repair

Items needed:

- medium Phillips head screw driver
- putty knife
- silicone aquarium sealant
- field form (FORF, MOF, or FOF) for current week's sample

Precautions:

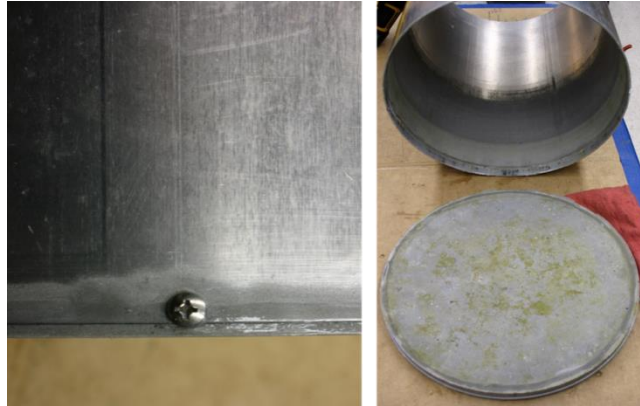
- Empty the raingage collection chamber before starting. See *Emptying Collection Chamber, Electronic Raingage SOP*.
- Do not drop the collection chamber, or any other item, on the raingage load cell. Doing so will damage the load cell.

Instructions:

1. If it is not already empty, empty the raingage collection chamber (see *Emptying Collection Chamber, Electronic Raingage SOP*). If the collection chamber contains anti-freeze, dispose of the liquid according to local guidelines for proper disposal.
2. Remove the black, metal ring from on top of the raingage.



3. Lift the collection chamber out of the raingage.
4. Using the Phillips head screw driver, remove the screws that secure the base of the collection chamber, and separate the base from the collection chamber.



5. Scrape off the old silicone sealant from the inside of the collection chamber and from around its base. It's important to remove all of the old sealant, as any remaining will prevent the new silicone from forming a watertight seal.



6. Apply a bead of silicone sealant around the rim of the collection chamber's base.



7. Place the collection chamber back on its base and re-attach the screws.
8. Wipe off any excess silicone from the outside of the collection chamber.
9. Apply a bead of silicone around the inside seam of the collection chamber. Use your finger to smooth out the silicone bead.



10. Allow sufficient time for the silicone to cure before re-deploying the collection chamber. Follow manufacturer's instructions on cure time.
11. Re-install the collection chamber in the raingage. Do not drop the collection chamber onto the load cell. Doing so may damage the load cell.
12. Align the collection chamber for proper operation of the optical sensor.
13. Place the black, metal ring on top of the raingage.
14. Record comment, including the date and time, in Block 10 **Remarks** of the NTN Field Observer Report Form (FORF) or the MDN Observer Form (MOF), or Block 11 **Remarks** of the AIRMoN Field Observer Form (FOF).

10. **REMARKS** *For example: equipment malfunction, contamination, farming, burning, logging, leakage before weighing, etc.*

Raingage collection chamber repaired and placed back in service at 8:30 am on 10/09/2012

