

Drilling a pressure release hole in SM2M/SM3M PVC top cap

This procedure explains how to drill a small hole in the SM2M or SM3M top cap which will allow air and gas to exit the cylinder as the cap is removed. After this procedure, as you unscrew the top cap, the hole will become exposed right after the O-rings are exposed. You will hear the air leaving the housing when the hole is exposed and should wait until all excess pressure is released before continuing to unscrew the last few threads. This release can take a minute or longer if a great deal of pressure has built up.

If your cap has a pressure release valve installed, this will prevent pressure from building up above 10 psi in the housing and you need not add this pressure release hole. A PRV is shown below:

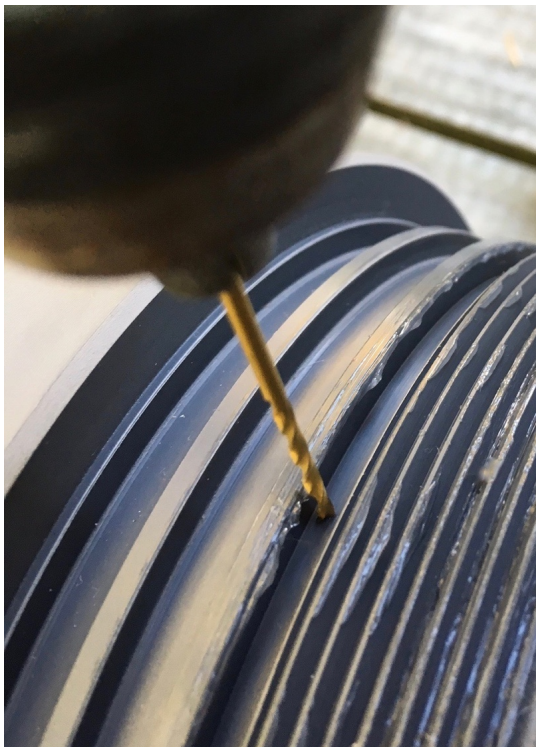


You will need:

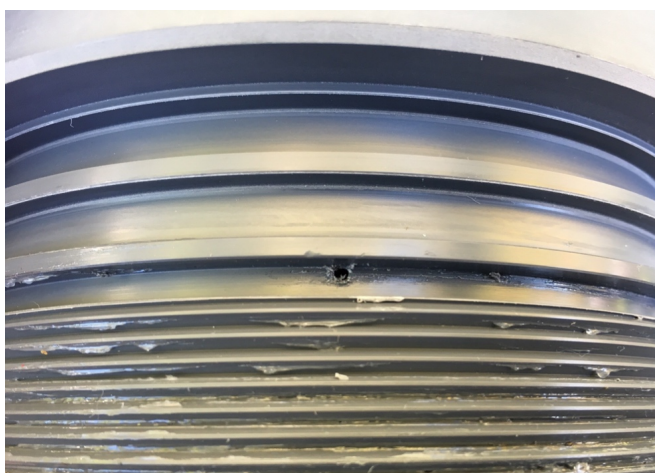
- A 1/16" or 1.5mm drill bit and hand or bench drill capable of drilling through plastic.

Procedure:

- Remove both O-Rings from the top cap.
- Drill a hole straight through into the inner cavity of the top cap in the channel below the lowest O-ring as shown below:



- You should be able to see the hole on the inside of the cap.
- Clean all debris from the drilling process to avoid contaminating the O-ring seal.
- Here is what the hole looks like.



- Reinstall O-rings.
- Please email support2016@wildlifeacoustics.com with any questions on this procedure.