

phx42 v1 Probe Disassembly

Tools and Parts

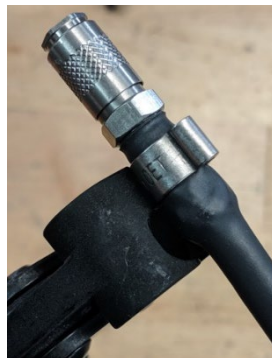


Picture ID	Part Name	LDAR Part #
A	Pinch Clamp Pliers	4021
B	Angled High Leverage Cutters	4234
C	Angled Wire Cutters	1741

Disassembly:

Probe Clamp Removal:

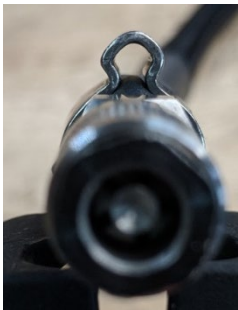
1. *Grasp* the **pinch clamp** on one “ear” with the **pinch clamp pliers**.
Tech Tip: Use the front edge of the **pinch clamp pliers** for all steps in this procedure. We will never use the side face.



2. Grasp the other “ear” of the **pinch clamp** with the **angled high leverage cutters**.



3. Squeeze the **angled high leverage cutters** on the “ear” to get it ready for cutting.



Before squeezing with **angled high leverage cutters**



After squeezing with **angled high leverage cutters**

4. Using the very end of the **angled high leverage cutters**, *make* a series of tiny cuts along the length of the ear until it is completely cut off.



5. Pull the cut clamp off with the **pinch clamp pliers** by pulling on the remaining “ear” of the clamp that you were already gripping.



Tech Tip: Be aware of the barb extending into the tubing. You do not want to pinch or bend the barb.

6. Repeat steps 1-5 for the **pinch clamp** on the handle side of the Probe Assembly.



7. Once both Pinch Clamps are removed, pull off the outer **large heat shrink (LDAR#42094)** and **sheath (LDAR#42082)** using the **angled wire cutters** if necessary.



8. *Pull* the **tubing (LDAR#42083/42904)** off the barb on the Quick Disconnect end.



9. On the base of the probe, *pull* the **tubing** out and *cut* it off above the **heat shrink**.



10. *Unthread* the **luer lock** fitting at the tip of the **probe**. Try first with fingers alone. If this does not work, gently grip the fitting in the notch with the **pinch clamp pliers** and loosen. Be careful to avoid the central stem of the fitting since this is the sealing surface.



11. *Pull* the Tubing off the barb of the fitting.

12. *Discard* the used **tubing**, **sheath**, **heat shrink**, **pinch clamps**.

13. After you have completed this process, you will find a white, Teflon collar under the Viton tubing on the barb on the **quick disconnect (with 1/16" barb)**. If you are re-assembling a v1 Probe you will need that Collar. If you are re-assembling to the v2 Probe type, you can discard that collar.

The pieces below should be left with the hardware that make up the Probe Assembly:



Picture ID	Part	LDAR Part #
A	Handle	42081
B	Quick Disconnect (with 1/16" barb)	4235