Cutera XEO - Water Pump Replacement

Fitting the replacement pump (Aquatec DDP 550, P/N CUPU2497) in place of the original pump

Why this guide: the replacement pump is **not identical** to the original. It comes with a different (black) mounting plate that does not fit the XEO. You must move the **original silver mounting plate**, the **two water connectors** and the **green electrical connector** from the old pump to the new one.

Tools	Parts
• Phillips screwdriver / driver bit • Small flat screwdriver • Towels / tray for water • Phone camera (to photo wiring before you start)	• Replacement pump CUPU2497 (Aquatec DDP 550) • Re-used from old pump: silver mounting plate, 2 water connectors, green electrical connector

SAFETY: Turn the system OFF and **unplug the AC power cord** before opening the unit. Have towels ready - water will spill when the pump connectors are released.

Old pump vs. new pump

Left: new Aquatec DDP 550 (note the red shipping plugs in the ports). Right: original pump with the white elbow water connector.



Step 1 - Remove the old pump from the system

• Power OFF, AC cord unplugged.
• Take a photo of the pump area, hose routing and the green connector **before** disconnecting anything.
• Disconnect the pump's water lines and the green electrical connector, unbolt the pump and take it out.
• Put it on the bench next to the new pump.



Step 2 - Remove both mounting plates (2 screws each)

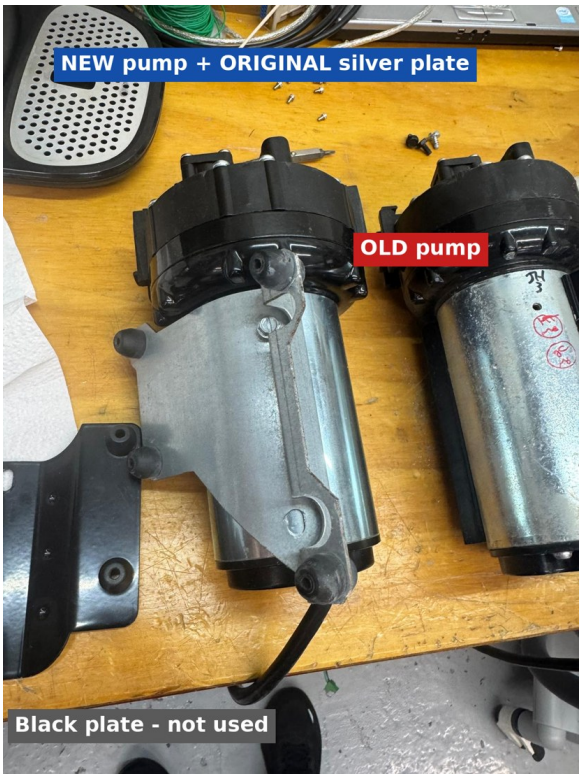
- **Old pump:** remove the 2 screws and take off the **silver** mounting plate. Keep the plate and screws.
- **New pump:** remove the 2 screws and take off the **black** mounting plate. The black plate is not used.



Step 3 - Install the ORIGINAL silver plate on the new pump - ONE screw

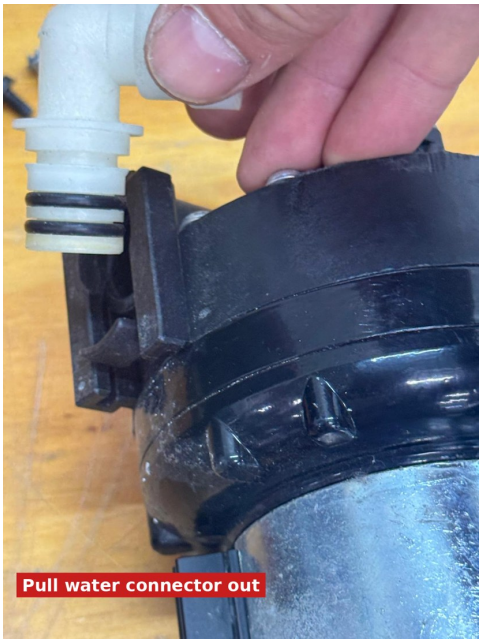
• Fit the original silver plate on the new pump in the same orientation it was on the old pump.
• Install and tighten **one screw only**.

NOTE: The second screw hole does NOT line up on the new pump. **This is normal - one screw is enough.** Do not drill or force the second screw.



Step 4 - Move the two water connectors to the new pump

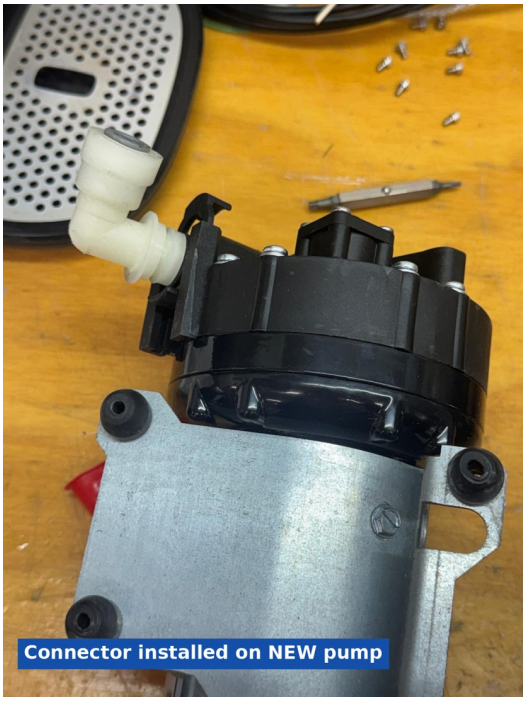
• Remove the two water connectors (white elbow fittings) from the old pump - release the lock and pull straight out.
• Remove the red shipping plugs from the new pump's ports.
• Check the O-rings on each connector: clean, seated, not cut. Wet them with a little water to ease insertion.
• Push each connector fully into the new pump port, in the same position/direction as on the old pump, and **lock it**. Pull on it to confirm it is locked.





Step 5 - Confirm connectors are installed and locked

• Both connectors seated all the way in and locked, pointing the same way as on the old pump.



Step 6 - Move the green electrical connector to the new pump

• Last: move the green electrical connector from the old pump's cable to the new pump's cable.
• Every wire must go into the **same position** as on the old pump - use your photo from Step 1.
• Tighten each terminal and tug each wire to confirm it is held.

No photo for this step. If any wire position is unclear, stop and call the office before powering up.

Step 7 - Install the new pump and test

• Mount the new pump in the system using the original plate mounting points.
• Reconnect the water lines and plug in the green connector.
• Refill / top up water per the normal XEO procedure.
• Power up, let the pump run and check every connection for leaks for several minutes.
• Confirm no water-flow / water-level errors, then close the unit.

Checklist before closing the unit: silver plate secured with 1 screw / both water connectors locked / green connector wired same as original / no leaks / no flow errors.