



Mega Catch™

The New Generation Mosquito Trap

PRO 900 Series

CO₂ GAS KIT

MC-P40

The Pro 900 Series CO₂ Gas Kit comes complete with all the components required to upgrade the Pro 900 Series PREMIER XC Mosquito Trap to Pro 900 Series ULTRA Mosquito Trap specifications to include Mega-Catch's™ patented "Variable Quantity Slow CO₂ Gas Release System" (for more information about this system refer to the Mega-Catch™ Pro 900 Series ULTRA Operation Manual supplied with this Pro 900 Series CO₂ Gas Kit).

Instructions for CO₂ Upgrade

Opening the Trap (see figure 1):

ATTENTION: Always disconnect the power to your Mega-Catch™ Mosquito Trap before opening the Trap.

Open the Trap. The two halves of the Trap are held together with 12 stainless-steel screws and nuts - six facing one way and six the other way.

Place the Trap on a table ensuring the LCD module is on the side facing down. Remove the six screws facing toward you using a Phillips screwdriver.

Then turn the Trap over (so that it is "LCD module" up) and remove the remaining six screws.

Then lift the top half of the Trap away from the bottom half as if it was hinged at the top. The top half should now be "LCD module side" down on the table and still connected to the bottom half by electrical cables.

Remove the Top Plate that holds the Control Box and the U.V. Tube and holders (both underside of Top Plate) so that access can be made to the inside top rear of the trap.

The Bottom Plate holds the reflective Heater Element (upperside of Bottom Plate) and the Fan (underside of Bottom Plate). This may be removed or left in place.

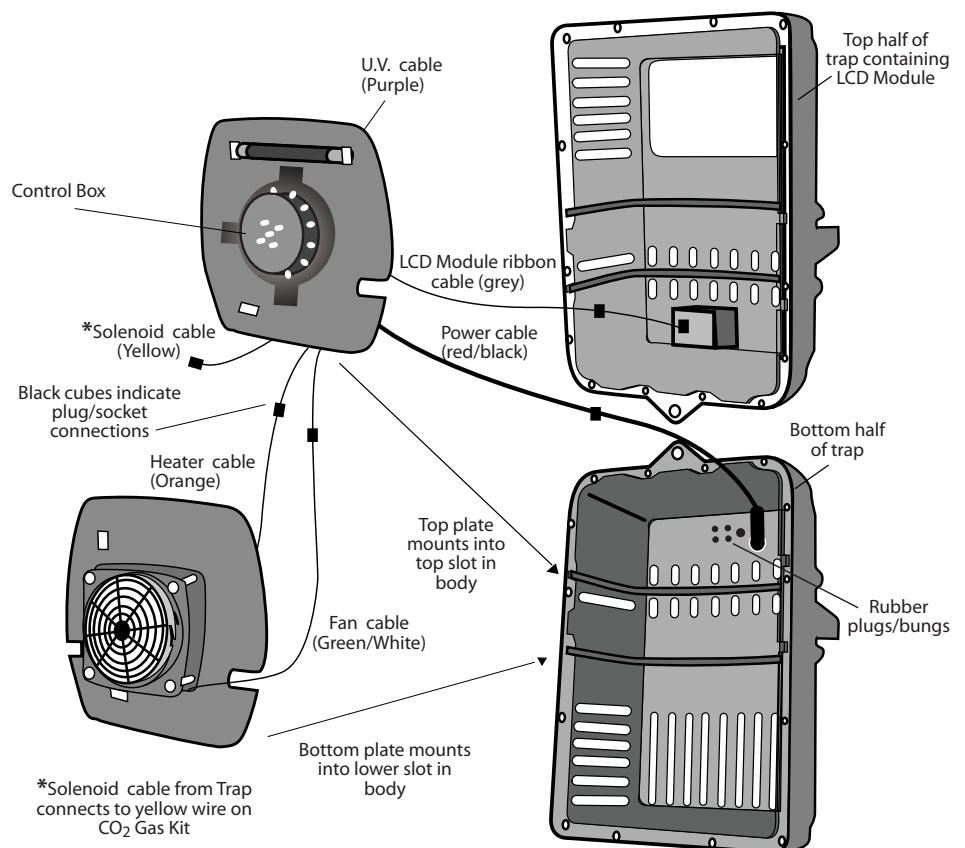


FIG. 1 – Opening the Pro 900 Series PREMIER XC Trap

Using a tool, such as a flat head screw driver, remove the 5 rubber plugs/bungs (1 large, 4 small) located beside the power socket on the bottom half of the Trap(see figure 1).

Line up the 4 holes on the Solenoid Valve with the 4 screw holes located inside the trap body (see figure 2). Ensure that the black Quick Release Fitting (attached to the side of Solenoid Valve for gas tubing to connect to) is turned to face through the hole adjacent to the 4 screw holes.

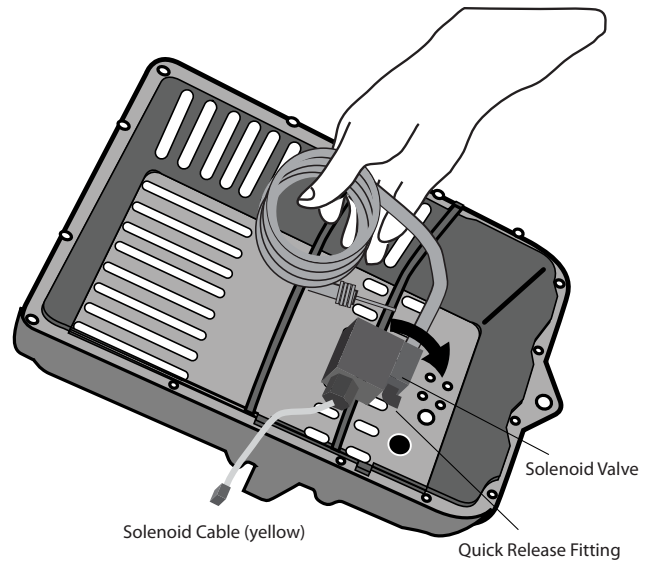


FIG. 2 – Installing Main Solenoid Assembly

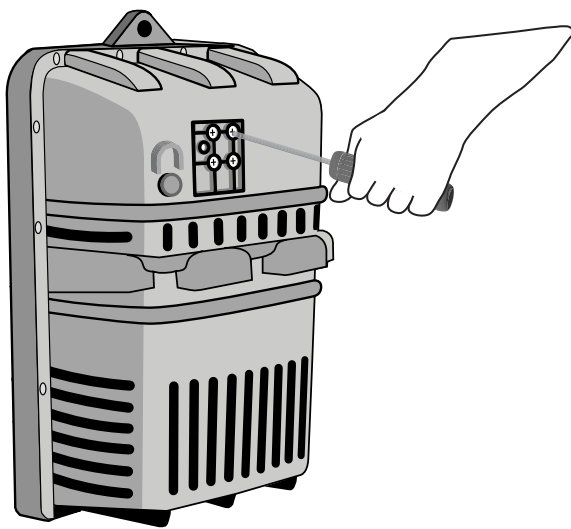


FIG. 3 – Installing Main Solenoid Assembly

Insert and tighten the 4 stainless steel screws supplied with the CO₂ Gas Kit as shown in figure 3.

Continue with reassembly of the trap by slotting the plates back into the ribs so that the Control Box is on the under-side of the Top Plate and the Fan is on the under-side of the Bottom Plate. There are arrows on each plate that point to the bottom half of the Trap (i.e. the half that does not contain the LCD Module). To aid with reassembly there are also colored locator dots on the top of the plates and inside the rear of the trap. Align the green dot on the Top Plate with the green dot inside the trap rear and the yellow dot on the Bottom Plate with the yellow dot inside the trap rear.

All electrical connections are by push-in pin connectors. Cables are color coded so it is easy to determine which plug connects to which socket (see figure 1). Connect all cables together including the yellow Solenoid Cable.

Ensure that the Copper Capillary Tube at the end of the CO₂ Gas Release System is inserted through the hole in the Top Plate. This end of the tube is flexible* and can be uncoiled and bent to fit through the hole (see figure 4).

* Caution: do not bend the tube past 90° to prevent risk of restricting the CO₂ gas flow.

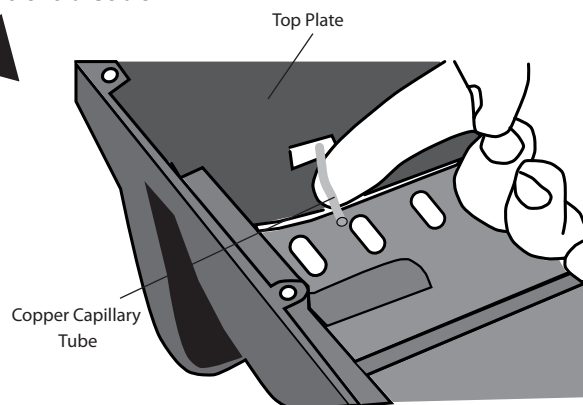


FIG. 4 – Locating Copper Capillary Tube

Fitted to the groove around the top inner surface of the Trap is a rubber seal. This seal pushes into place for weather protection and should be reinstalled prior to final assembly of the Trap. The seal is formed to the shape of the trap. Check the seal is undamaged before it is reinstalled and the Trap is re-assembled.

With the Top and Bottom Plates in place replace the "LCD Module side" or top half of the Trap ensuring that each plate slots into the locating ribs. The 12 screw holes should now be aligned for replacement of the screws. Carefully screw in the screws.

NOTE: Do not overtighten the screws. This could cause the nuts to rotate and damage the pre-formed hexagonal pockets in the plastic housing.

A set of Pro 900 Series ULTRA labels is provided should you wish to rebadge your Trap. For operating instructions for your upgraded Trap refer to the Mega-Catch™ Pro 900 Series ULTRA Operation Manual supplied with this Pro 900 Series CO₂ Gas Kit.