

PROTECTGLOBAL.COM

REVERSE FOG DISCHARGE

INSTRUCTIONS FOR MAKING FOG CANNON
MODELS 600I AND 1100I SHOOT BACKWARDS

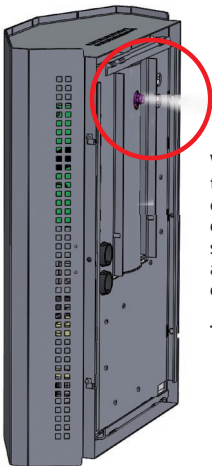


SECURED IN SECONDS



Reverse fog discharge

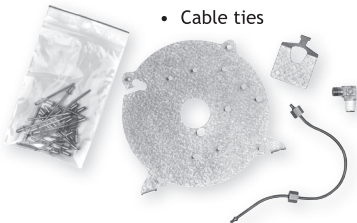
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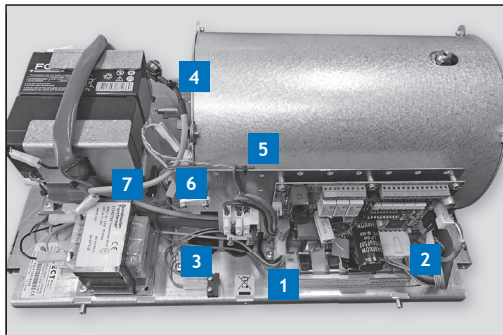


With this DIY kit it is possible to turn the fog output 180 degrees. Recommended for concealed installations when shooting from one room into another through a wall or ceiling.

The DIY kit consists of:

- A new metal plate for the heat exchanger
- A new holder for the temperature sensor
- A pipe extender
- New rivets
- Cable ties





1. Remove the heat exchanger

Prepare for 180 degree turning of the heat exchanger by removing all the wires from the PCB.

First remove the white plug (1) and remove the white wire from this plug.

Then remove the sensor wire (2).

Remove the earth connection (3).

Cut the cable ties holding the LED (4).

Cut the cable ties holding the sensor wire (5).

Remove the brown wire from the thermal fuse (6).

Use proper spanners to unscrew and disconnect the pipe from the pump (7).

Finally, remove the 4 screws holding the heat exchanger on the bottom plate.

The heat exchanger is now ready to be removed from the bottom plate.



2. Remove the end-plates

The heat exchanger is ready to have both end-plates removed, in preparation for 180 degree turning the heat exchanger.

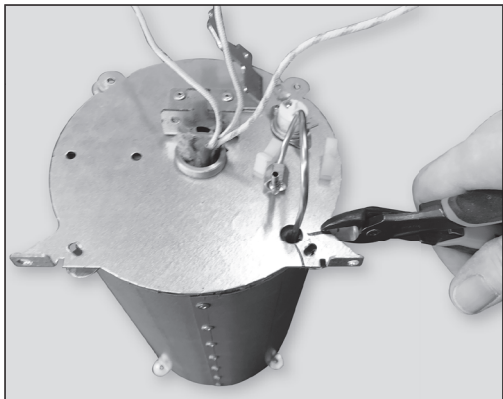


2.1.

Both end-plates must be released by drilling out the rivets holding the plates.

Use a 3.3 mm drill to drill out the rivets.

Do this for both ends. In total, 2 x 4 rivets must be drilled out.

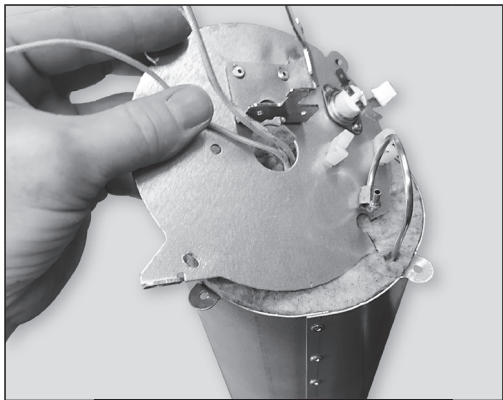


2.2.

Once all rivets have been removed, this plate needs to have the corner removed to be able to remove the plate.

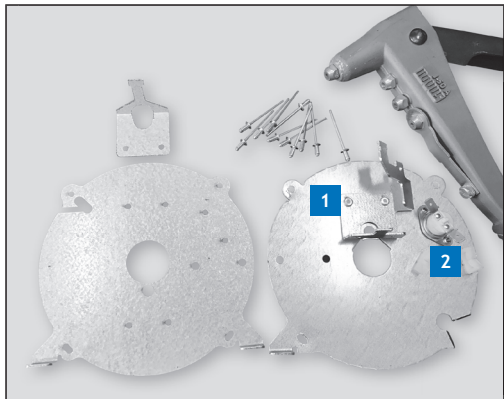
The corner can be cut using side cutters or a grinder.

Be very careful not to damage the pipe coming out of the heat exchanger. This pipe is a very thin-walled pipe and will break or bend very easily. If this pipe gets bent or broken the complete heat exchanger is defective.



2.3.

Once the corner has been removed, gently remove the plate.



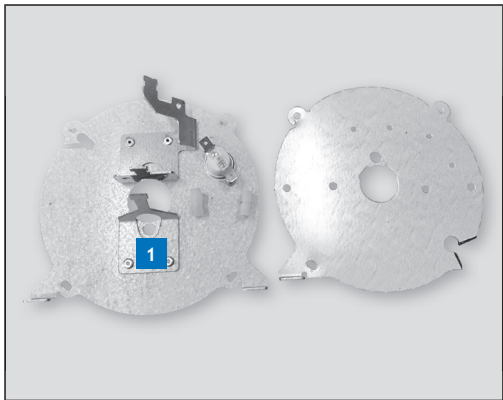
3. Prepare the new end-plate

Now the new end-plate has to be prepared, and the old end-plate will serve as “donor” for the parts to be moved onto the new end-plate.

Notice that the bent “feet” have to be pointing in the same direction.

Use the drill again to remove the 4 rivets (1) and (2).

You need to remove and replace the metal bracket, the thermal fuse and the 2 plastic brackets. Notice that the parts fit into holes at the same position on the new end-plate.

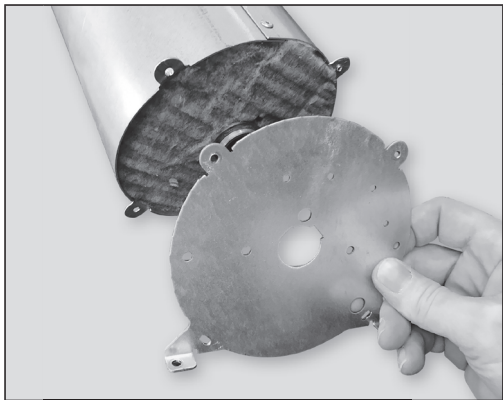


3.1.

The picture shows the old stripped end-plate, and the parts have been moved onto the new end-plate.

Also notice, the new metal plate (1) has also been installed using new rivets.

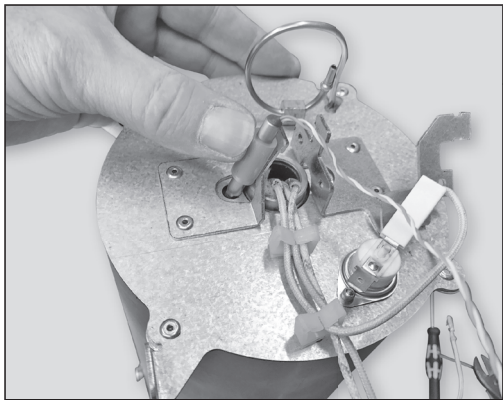
The new end-plate is now ready for installing on the heat exchanger.



4. Install the new end-plates

The 2 end-plates are now ready to be installed again using the new rivets.

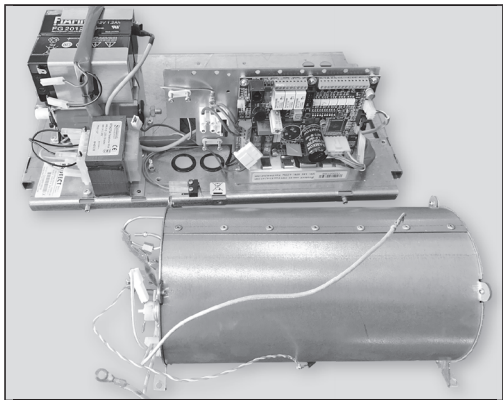
Make sure to turn the heat exchanger 180 deg. before the end-plates are installed again using the new rivets!



4.1.

In this picture the new end-plate has been installed.

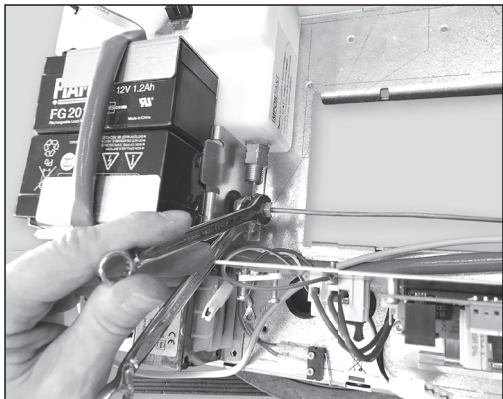
Especially for the model 600i, the thermal sensor needs to be bent upwards as shown in the picture.



5. Re-install the heat exchanger

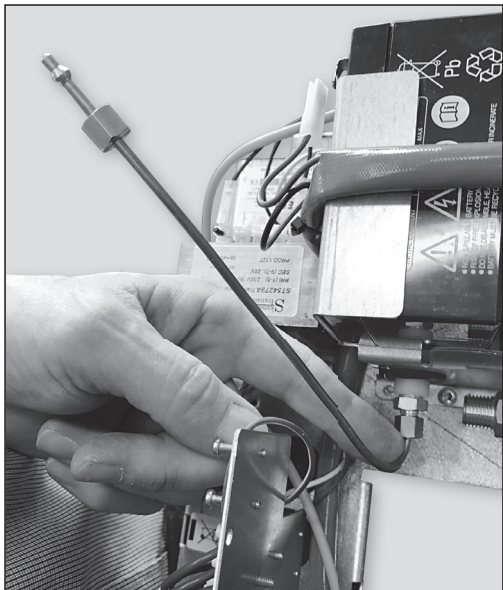
Now the complete heat exchanger is ready to be re-installed.

First, the new pipe connection needs to be prepared.



5.1.

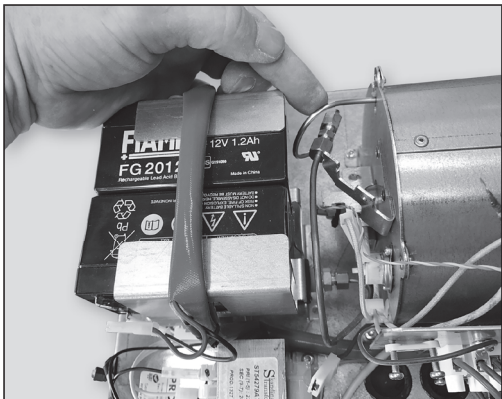
Use the extra pipe and fitting supplied to screw the new pipe onto the pump fitting.



5.2.

Once the fitting has been firmly tightened, the pipe needs to be bent upwards as shown.

Be very careful when bending this pipe, to ensure that the pipe does not kink during the bending!

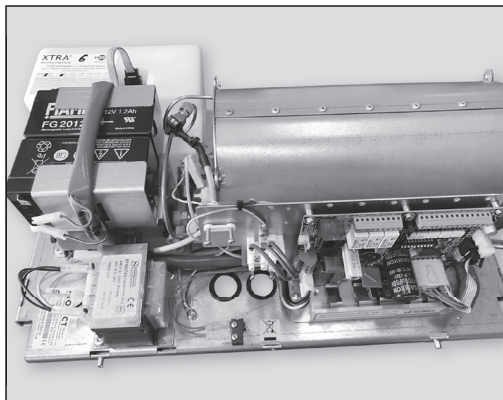


5.3.

Next, install the complete heat exchanger and use the new pipe extender to connect the pump to the pipe from the heat exchanger. Use the supplied connector fitting.

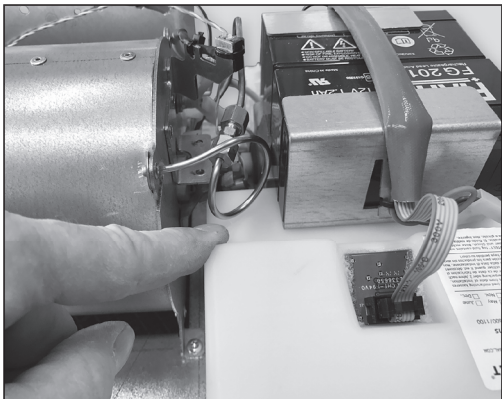
The pipe from the heat exchanger needs to be gently bent towards the new pipe connection.

Secure the connection using spanners.



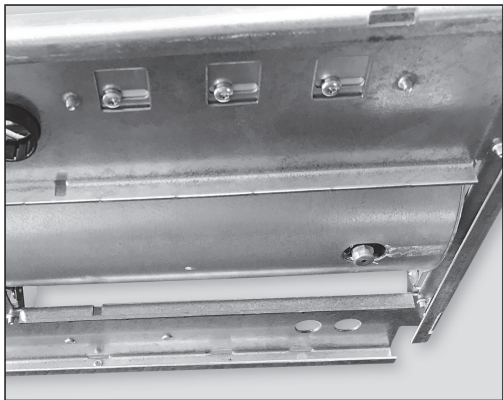
5.4.

Finally, reconnect all disconnected wires and secure them using the cable ties.



5.5.

Make sure that the old pipe leaves enough space for the fluid container to pass under it.



5.6.

Modification completed.

IMPORTANT LIABILITY INFORMATION

If these guidelines are not followed completely, PROTECT A/S are not liable for any consequences resulting from changing the fog cannon. Furthermore, any warranty on the product will lapse.



Scan the code with a smartphone to watch the Reverse Fog Discharge instruction video.

INFO

Visit PROTECTGLOBAL.COM to find information about the distributor in your country.

PROTECT A/S

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