

**INSTALLATION OF THE OPTIONAL HOT  
WATER LOOP KIT FOR PRE-HEATING  
DOMESTIC WATER**

**MAX CADDY FURNACE**



**This option can be installed on either side of your Max Caddy furnace.  
It is important to note that this option requires a 60 gallons buffer tank**

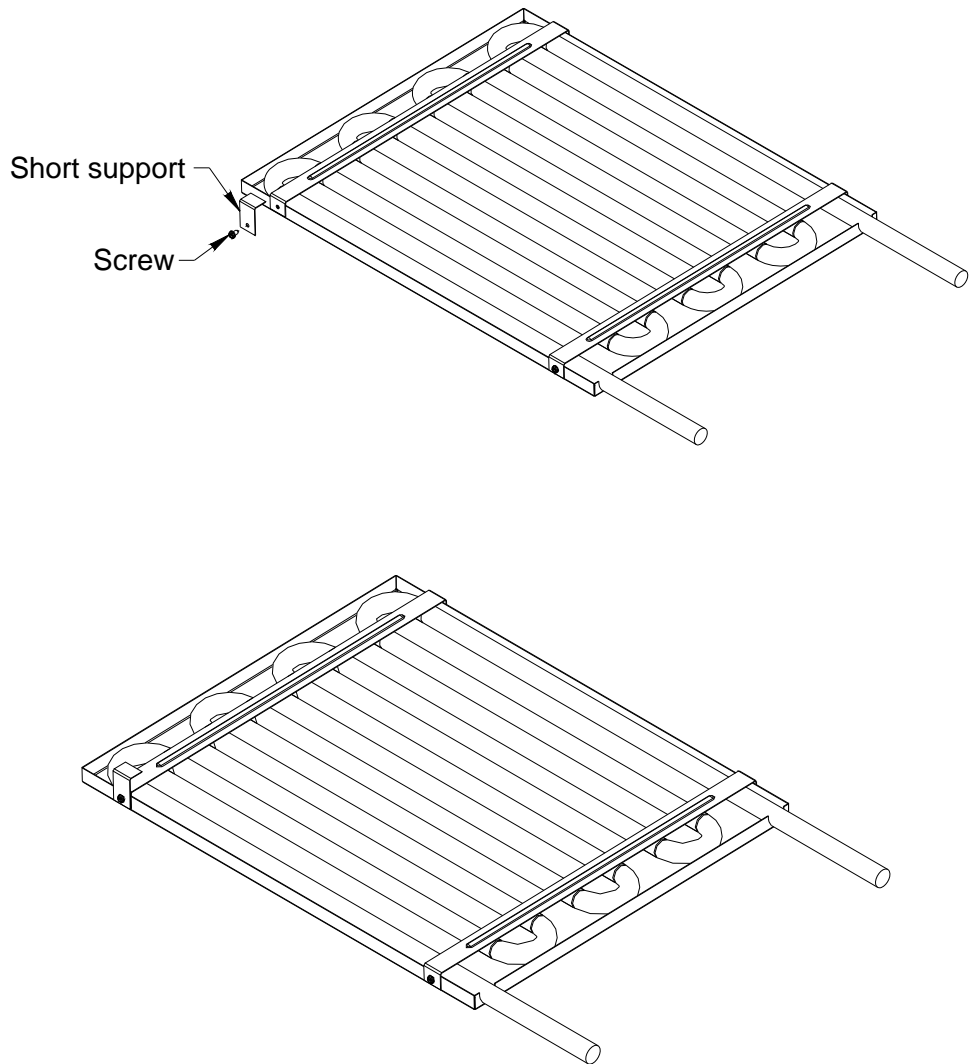
*For installation on the right hand side, follow steps 1o to 5.  
For installation on the left hand side, follow steps 6 to 10 inclusively.*

## INSTALLATION ON THE RIGHT HAND SIDE OF THE WATER LOOP KIT FOR PRE-HEATING DOMESTIC WATER

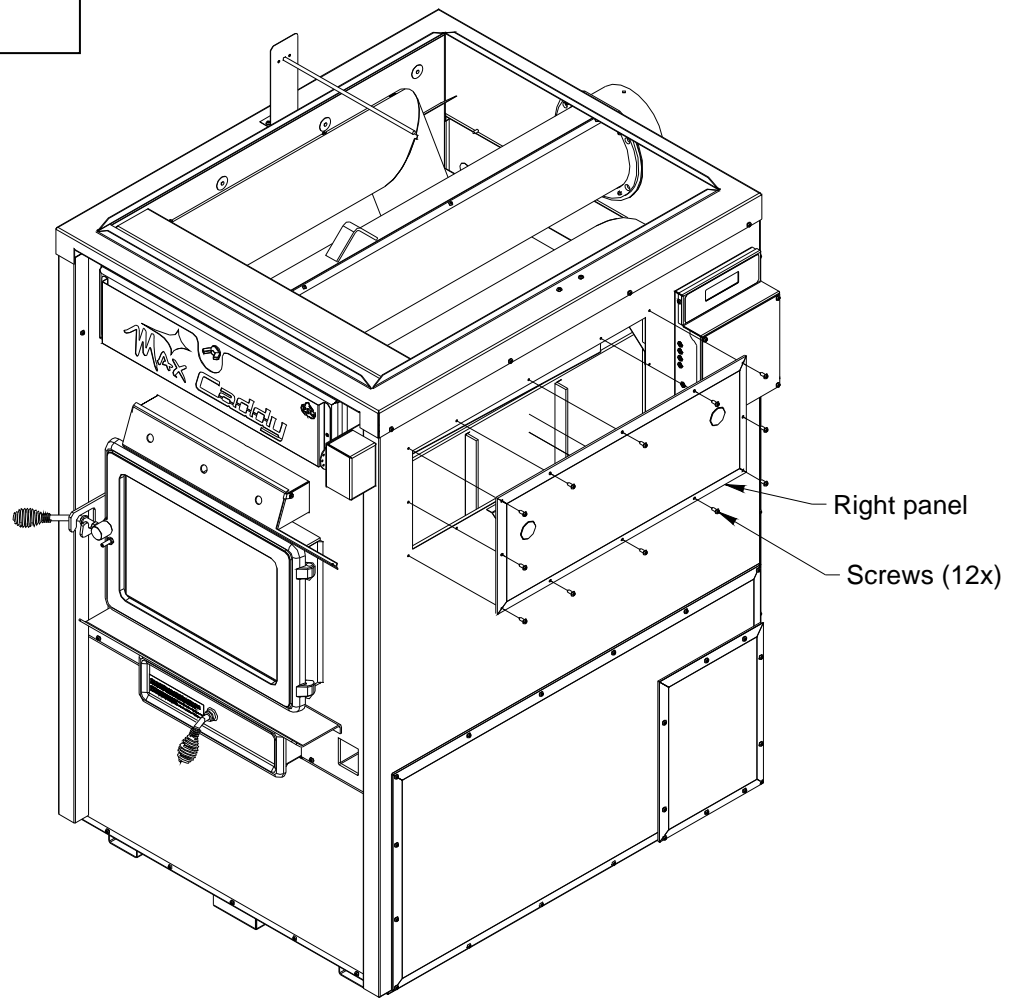
Step 1 : If you install the optional water loop kit for pre-heating domestic water on the right hand side of the Max Caddy, start by removing the screw located on the left of the solenoid assembly as shown on the drawing at the right (keep this screw).

In the box of the option, you will find two supports of different sizes for the solenoid. The short support is for the right hand side installation while the long support is for the left hand side installation.

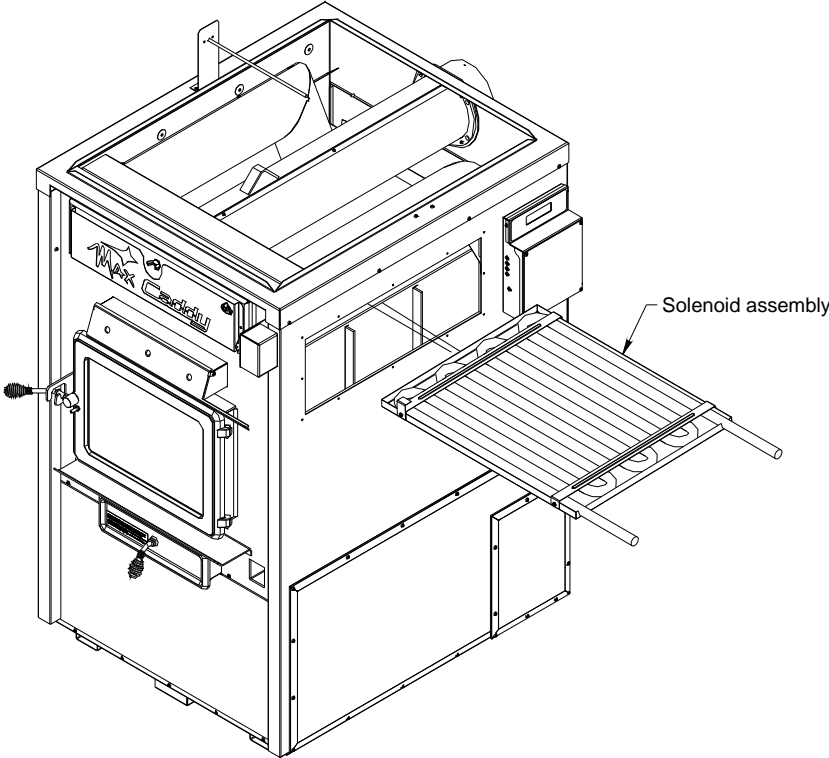
Align the short support in front of the position where you removed the screw and secure the short support in place using the screw that you kept.



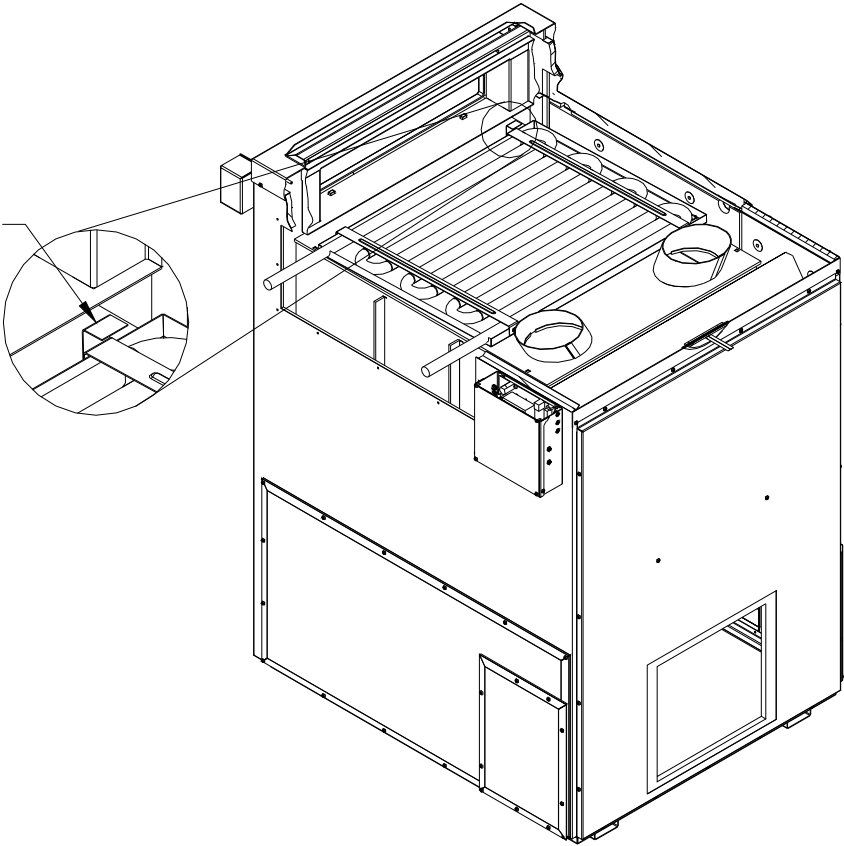
Step 2 : Remove the twelve screws  
securing the right panel in place.  
Keep these screws.



Step 3: Place the solenoid assembly inside the furnace between the firebox and the heat exchangers. It is important to position the solenoid assembly in the top center of the firebox to ensure a secure installation.



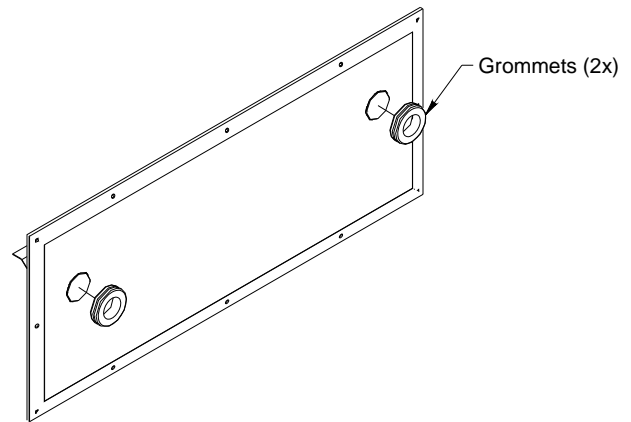
Short support



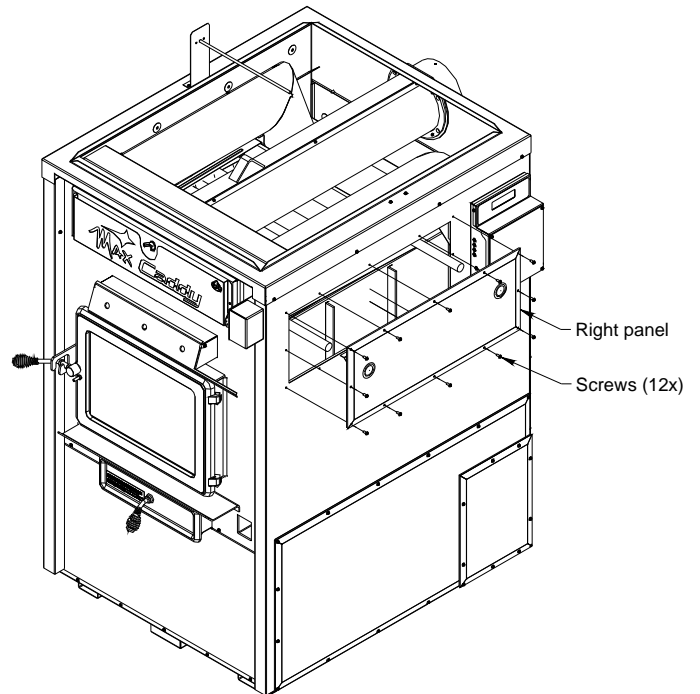
Cut view of the inside of the firebox with the solenoid assembly positioned at the top center of the firebox.

Step 4 : Use a screwdriver to break the micro-joints and remove the knock-outs blocking the round holes from the right panel.

Then, install the grommets in these holes.



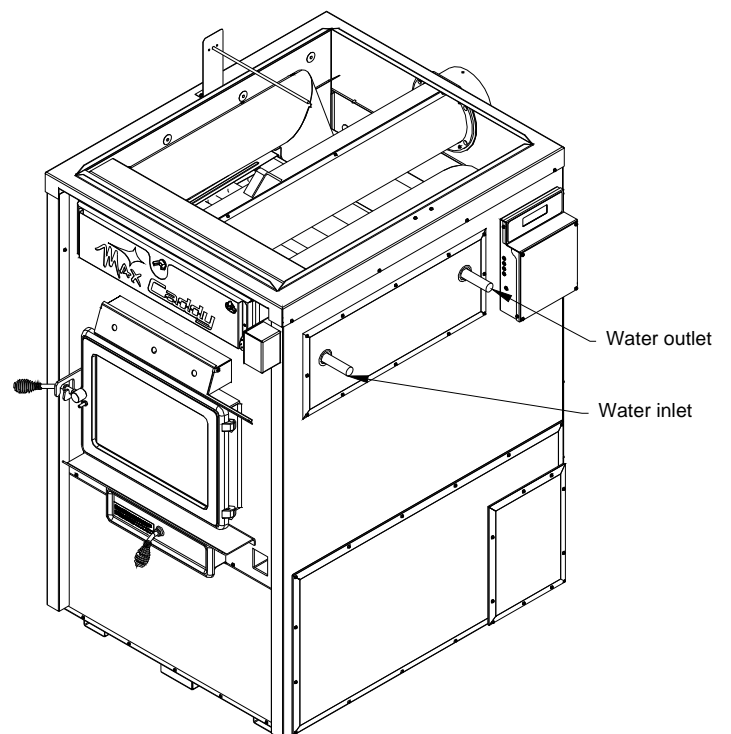
Step 5 : Re-install the right panel while passing the tubes of the solenoid through the grommets. Secure the assembly in place using the twelve screws kept from step 2.



Identify the water inlet and the water outlet for your connection.

Diagrams for the water loop kit connection and for the electric connection are shown at the end of this manual and are for indicative purposes only.

**Connections should be only performed by a qualified professional.**

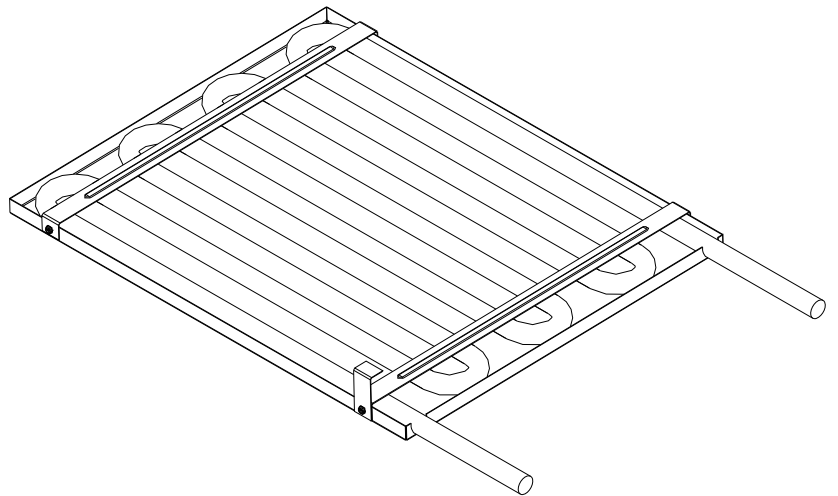
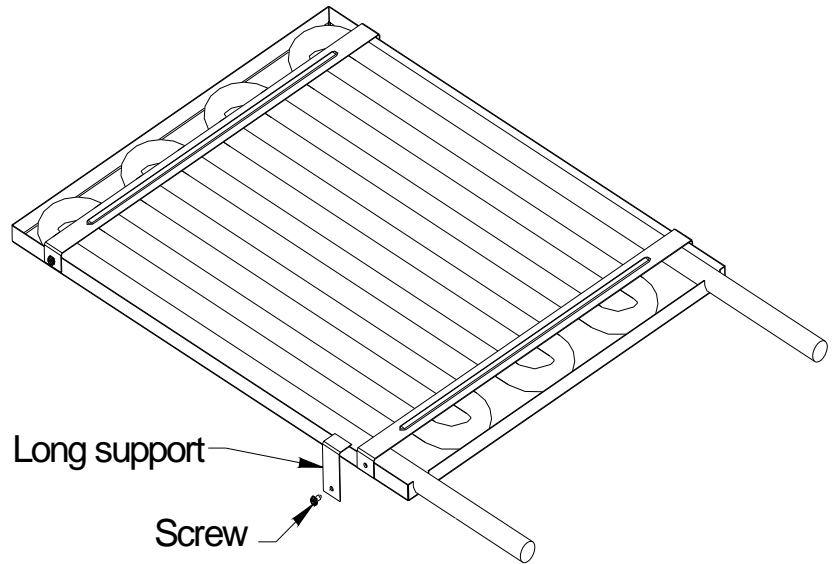


## INSTALLATION ON THE LEFT HAND SIDE OF THE WATER LOOP KIT FOR PRE-HEATING DOMESTIC WATER

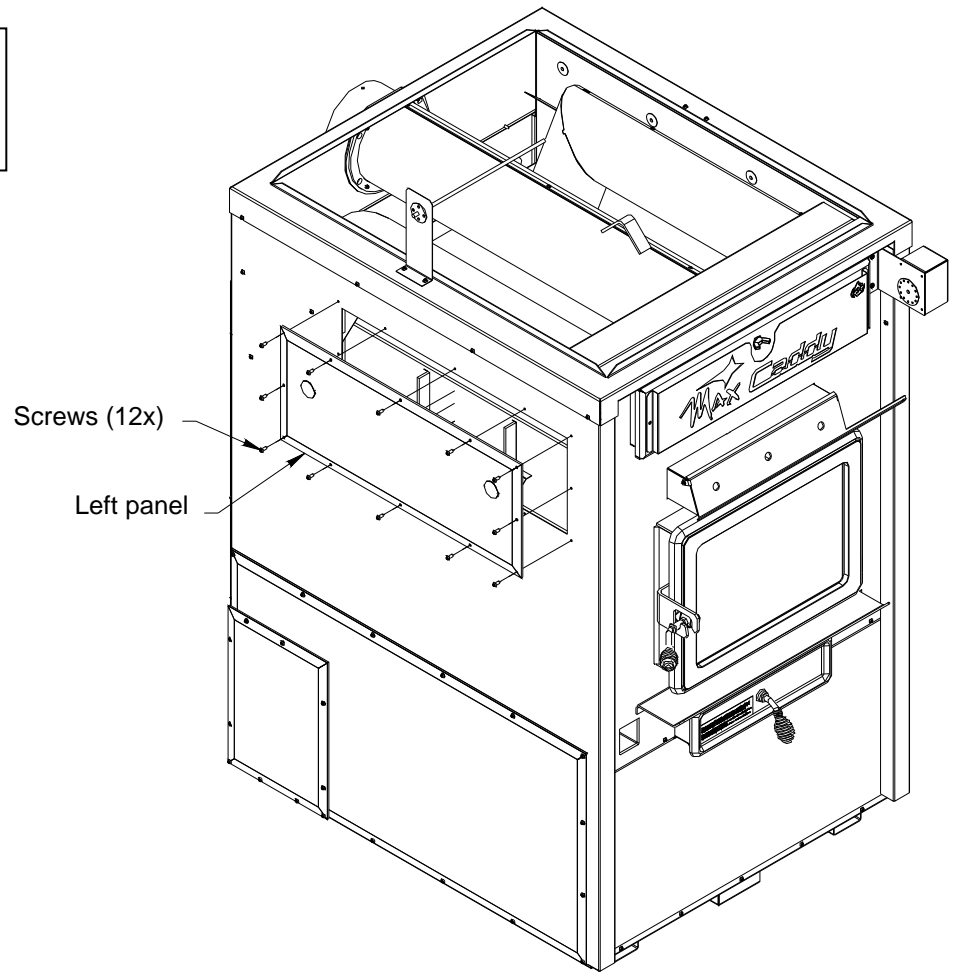
Step 6 : If you install the optional water loop kit for pre-heating domestic water on the left hand side of the Max Caddy, start by removing the screw located on the left of the solenoid assembly as shown on the drawing at the right (keep this screw).

In the box of the option, you will find two supports of different sizes for the solenoid. The short support is for the right hand side installation while the long support is for the left hand side installation.

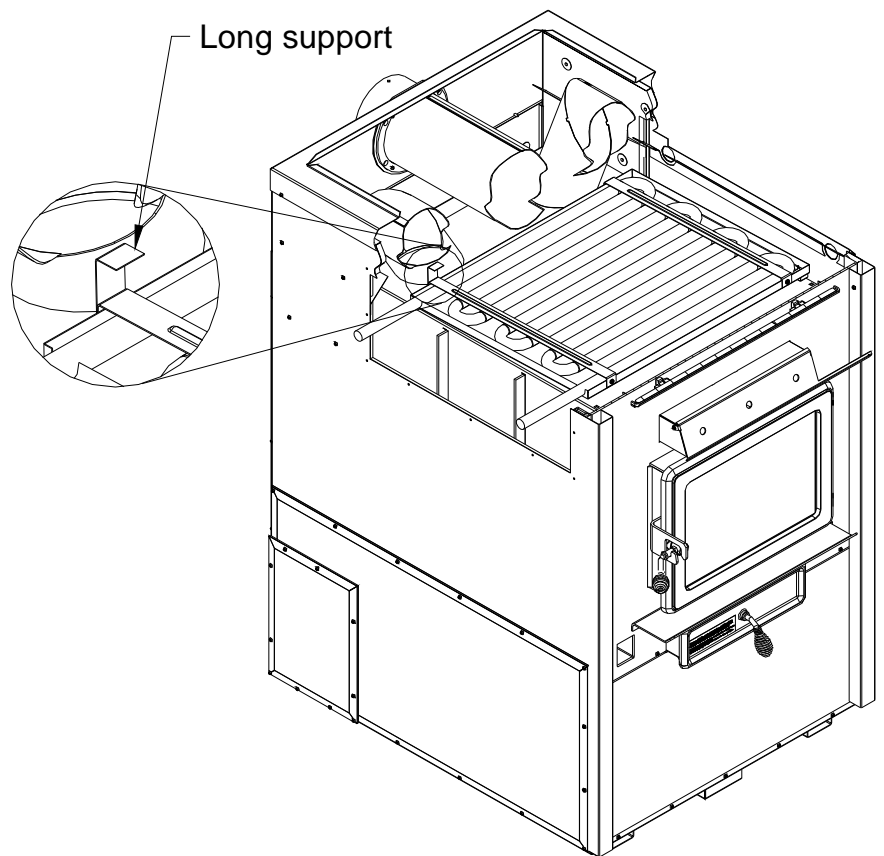
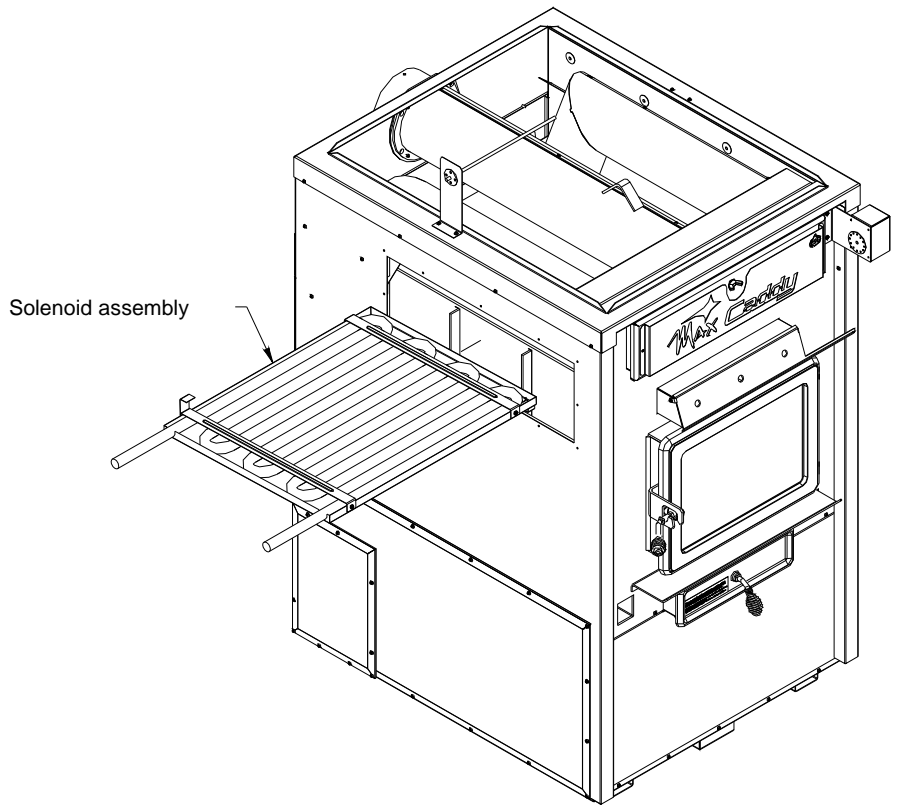
Align the short support in front of the position where you removed the screw and secure the long support in place using the screw that you kept.



Step 7 : Remove the twelve screws  
securing the left panel in place.  
Keep these screws.



Step 8: Place the solenoid assembly inside the furnace between the firebox and the heat exchangers. It is important to position the solenoid assembly in the top center of the firebox to ensure a secure installation.

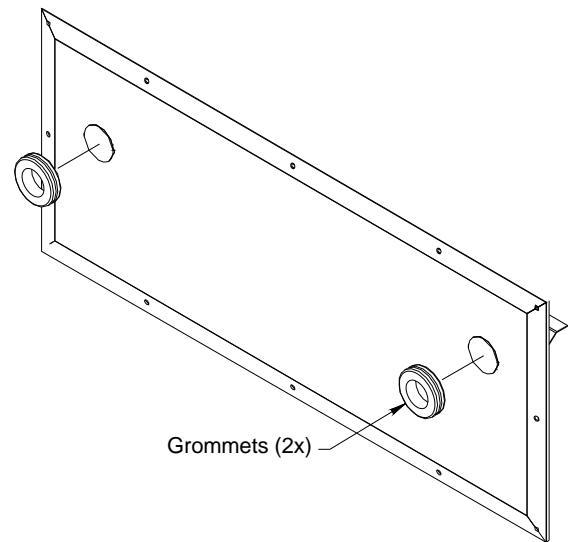


Cut view of the inside of the firebox with the solenoid assembly positioned at the top center of the firebox.

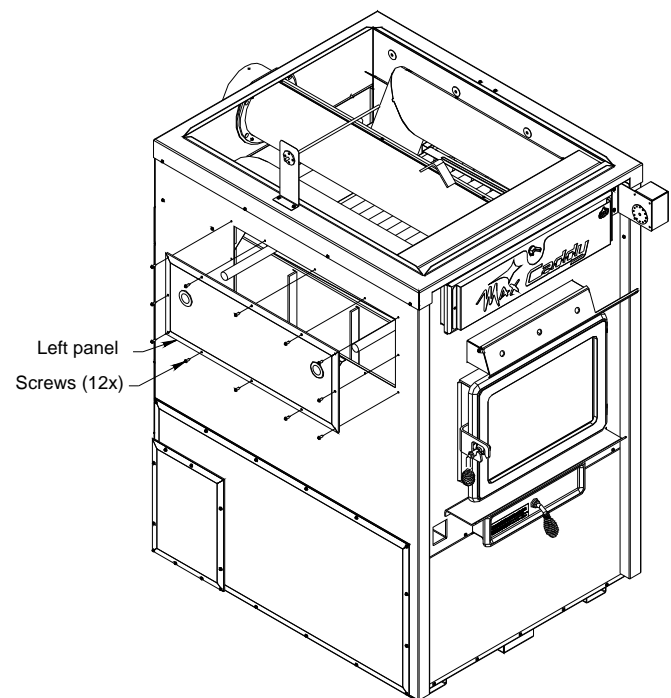


Step 9 : Use a screwdriver to break the micro-joints and remove the knock-outs blocking the round holes from the left panel.

Then, install the grommets in these holes.



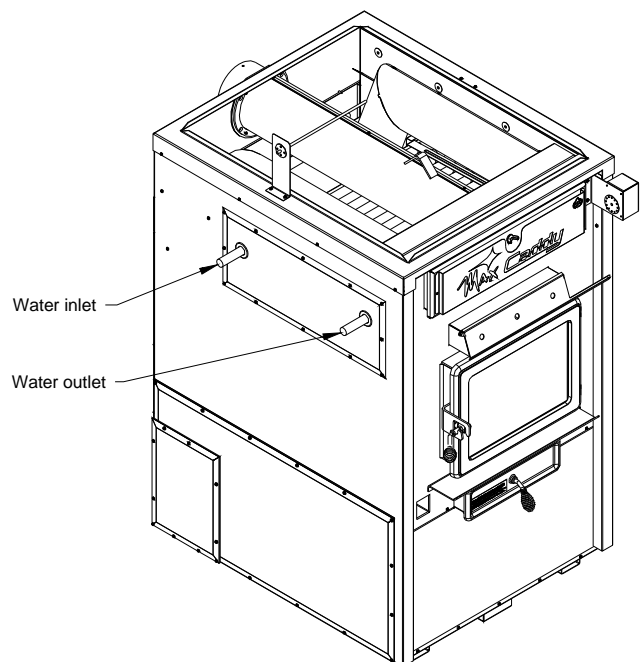
Step 10 : Re-install the left panel while passing the tubes of the solenoid through the grommets. Secure the assembly in place using the twelve screws kept from step 7.



Identify the water inlet and the water outlet for your connection.

Diagrams for the water loop kit connection and for the electric connection are shown at the end of this manual and are for indicative purposes only.

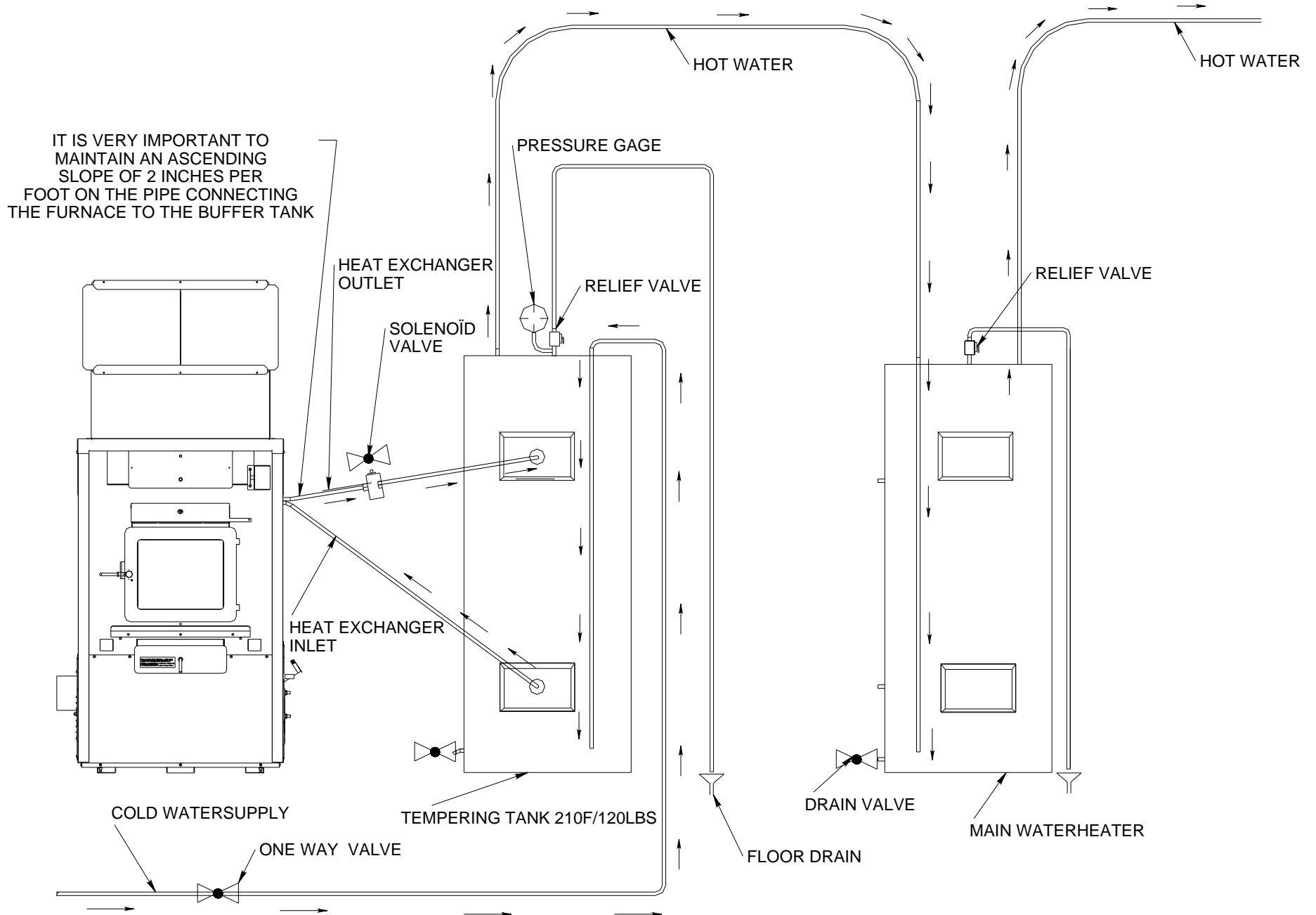
**Connections should be only performed by a qualified professional.**



**CONNECTION DIAGRAM FOR THE OPTIONAL HOT WATER LOOP KIT FOR PRE-HEATING DOMESTIC WATER**

**IT IS VERY IMPORTANT TO MAINTAIN AN ASCENDING SLOPE OF 2 INCHES PER FOOT ON THE PIPE CONNECTING THE FURNACE TO THE BUFFER TANK**

**THE BUFFER TANK USED MUST HAVE A CAPACITY OF 60 GALLONS.**



**CONNECTION DIAGRAM OF THE SOLENOID VALVE FOR THE OPTIONAL HOT WATER LOOP KIT FOR PRE-HEATING DOMESTIC WATER**

The last step is the connection of the valve to the PC board of the Max Caddy furnace. In order to do so, all you need to do is connect the wires from the valve to the "WATR SOLN" port.

The valve should not exceed the following specifications : Solenoid valve 24V AC 200mA

