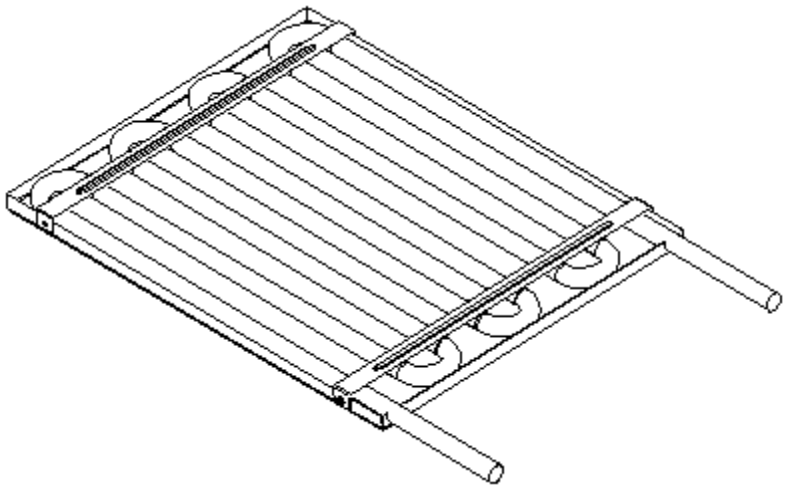
INSTALLATION OF THE OPTIONAL HOT WATER LOOP KIT FOR PREHEATING OF DOMESTIC WATER

PA08550

MAX CADDY FURNACE



Eco-energy at the hearth of your home

PSG
250, de Copenhague,
St-Augustin-de-Desmaures (Quebec)
CANADA G3A 2H3

45392A
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The installation of the optional hot water loop kit for preheating of domestic water can be installed on either side of your Max Caddy furnace.

NOTE: The installation of this option requires an additional homologated 60 gallons water heater, in which the heating elements have been replaced by adaptors that allow the connection of the hot water loop assembly (not included) .

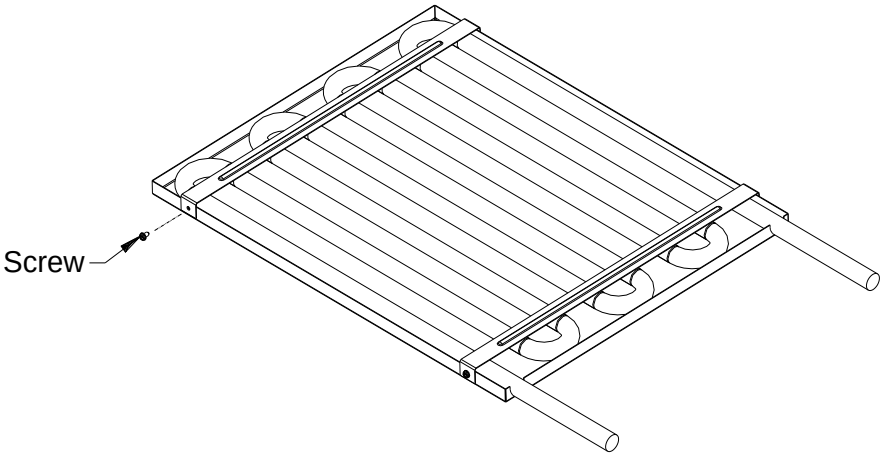
For installation on the right-hand side, refer to Section 1.

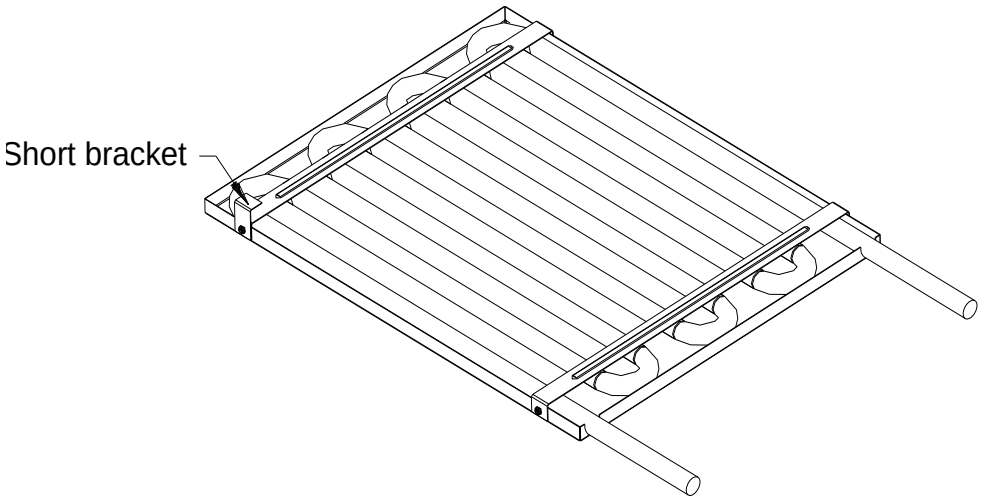
For installation on the left-hand side, refer to Section 2.

SECTION 1

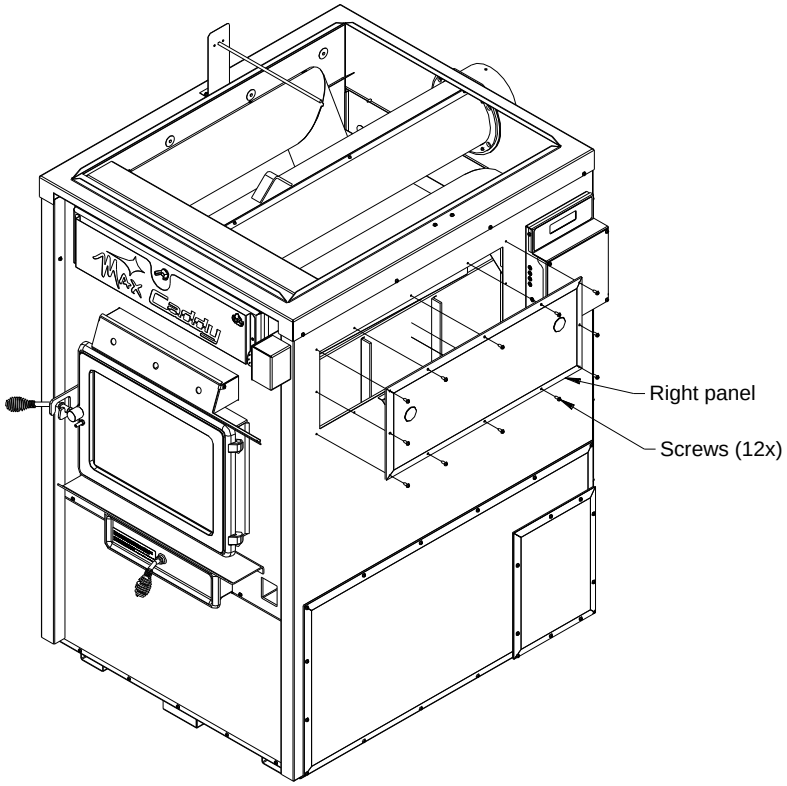
INSTALLATION OF THE HOT WATER LOOP KIT FOR PREHEATING OF DOMESTIC WATER ON THE RIGHT-HAND SIDE

Step 1: Remove the screw located on the left side of the hot water loop assembly and install the short bracket supplied with the installation leaflet.

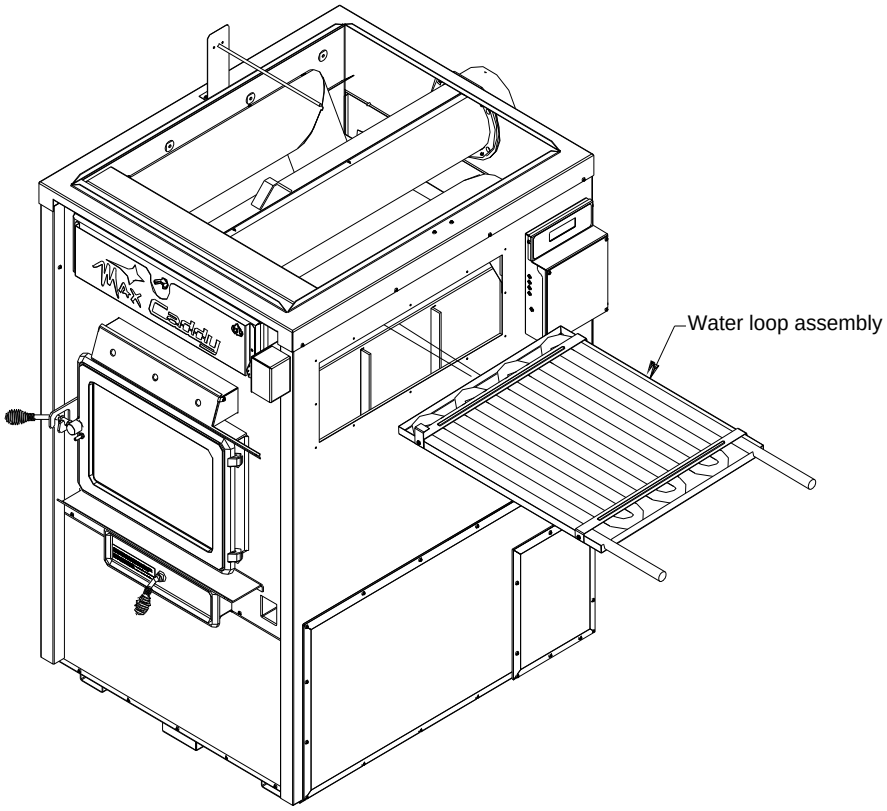




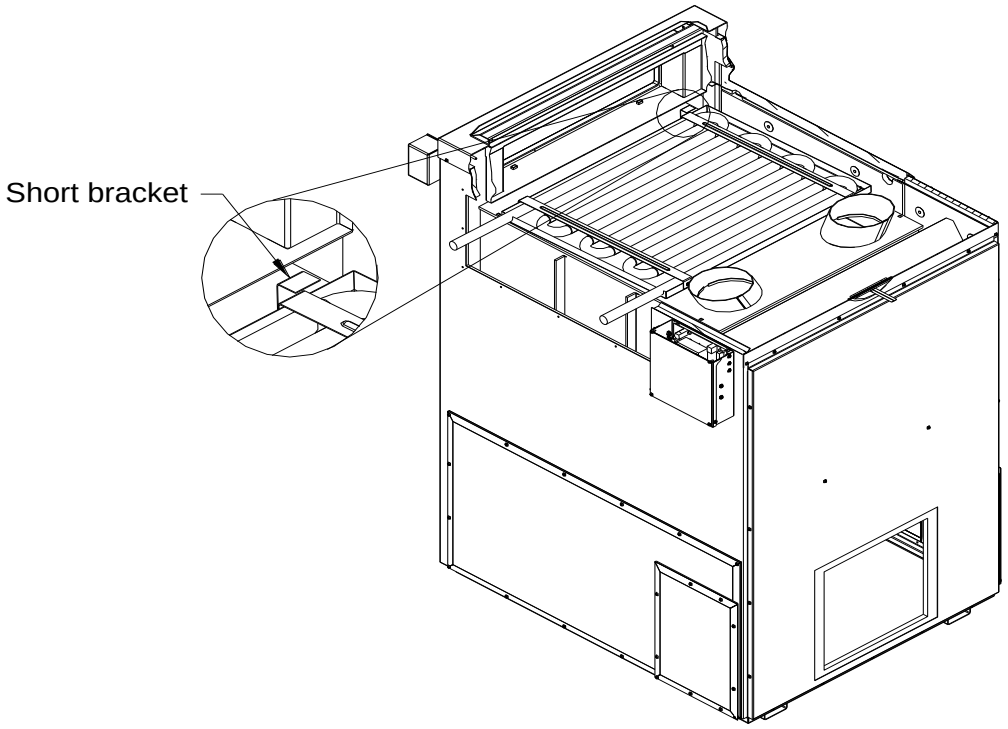
Step 2: Remove the right panel and save the screws for Step 5.



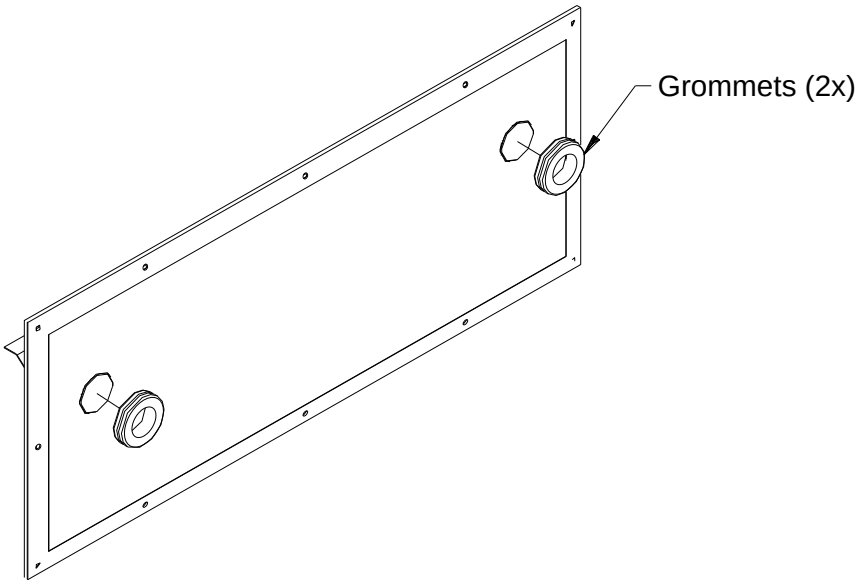
Step 3: Slide the hot water loop assembly into the furnace, between the firebox and the heat exchangers. The hot water loop assembly needs to be centered on the top of the firebox to ensure its stability and safe installation.



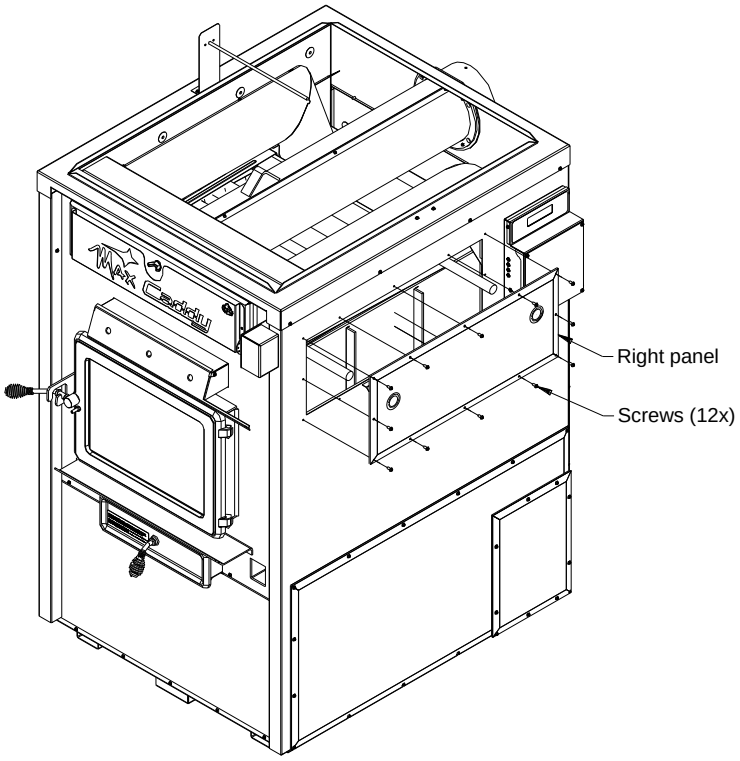
Cut section showing the desired position of the hot water loop assembly above the fire box.



Step 4: Remove the knock-outs from the right side panel and install the grommets in the holes. Grommets are provided with the installation leaflet.



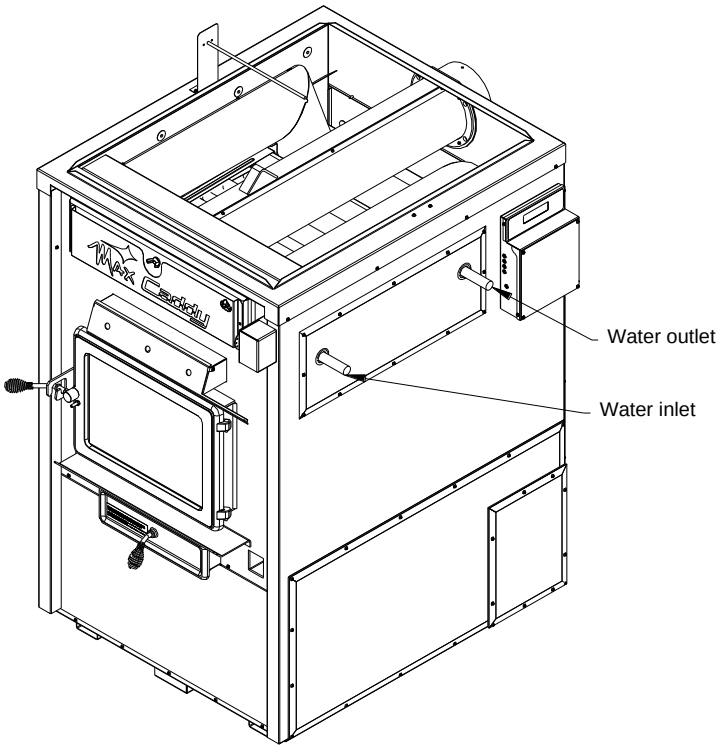
Step 5: Insert then slide the inlet and outlet tubes of the hot water loop assembly through the grommets and secure the panel to the furnace using the screws removed in Step 2.



NOTE: Connections should be performed by a qualified professional.

Identify the water outlet (highest tube) and water inlet (lowest tube) for installation purposes.

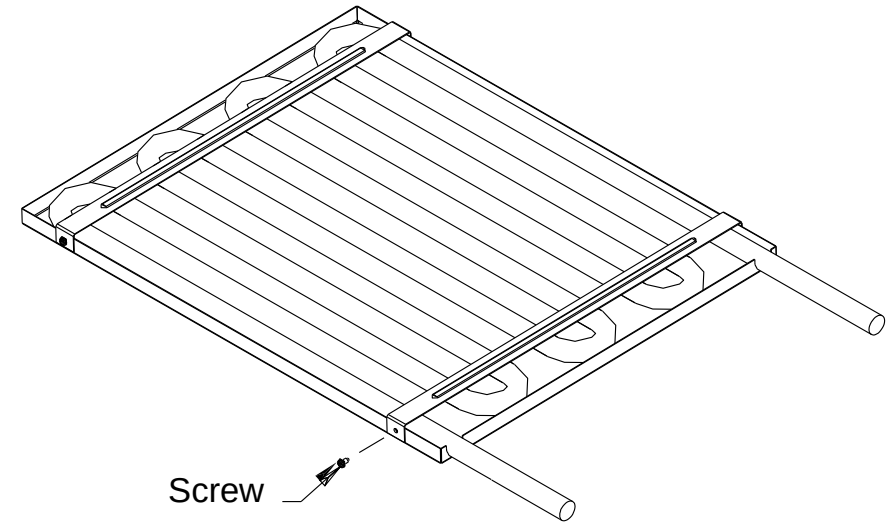
Diagrams for water and electrical connection can be found at the end of this leaflet.

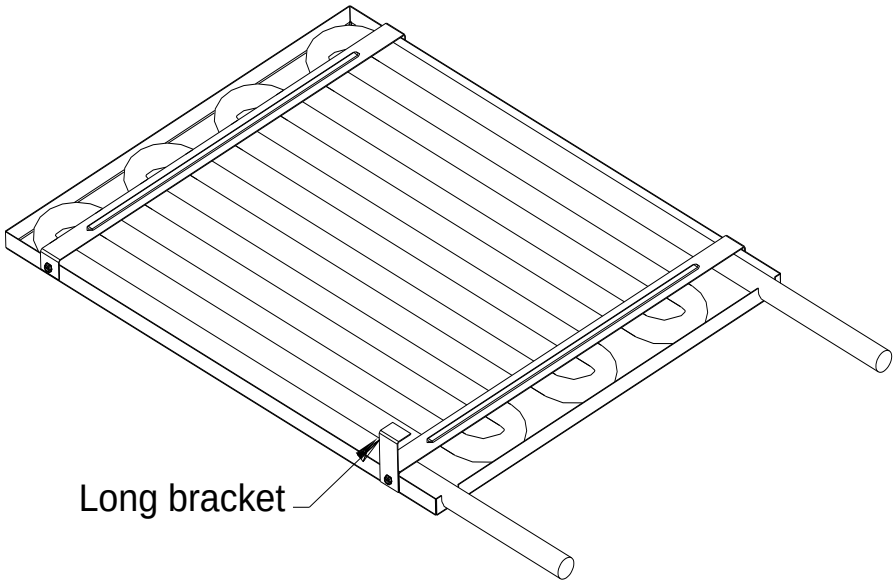


SECTION 2

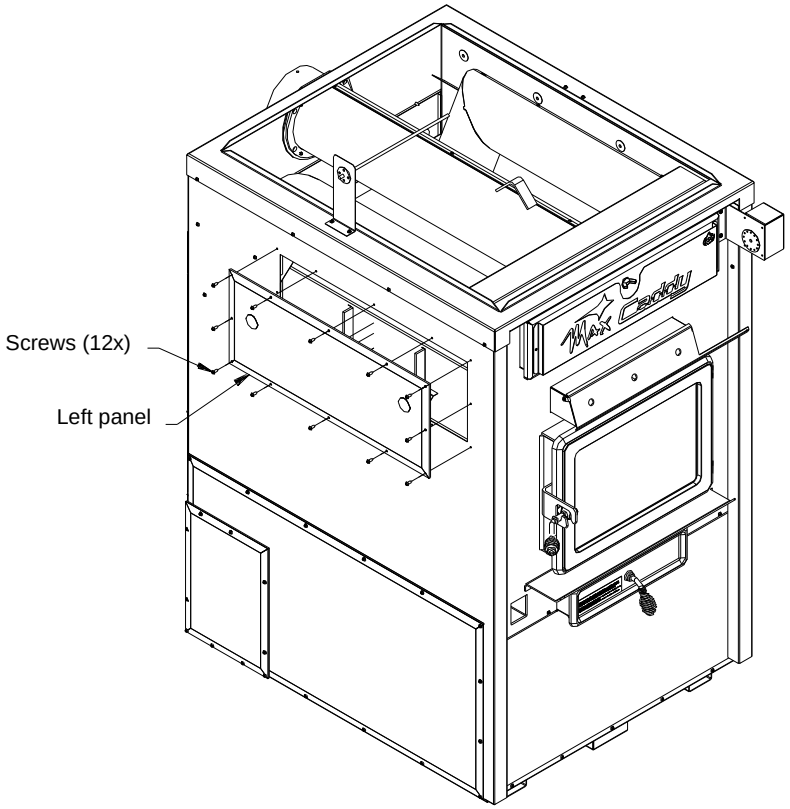
INSTALLATION OF THE HOT WATER LOOP KIT FOR PREHEATING OF DOMESTIC WATER ON THE LEFT-HAND SIDE

Step 1: Remove the screw located on the left of the hot water loop assembly and install the long bracket supplied with the installation leaflet.

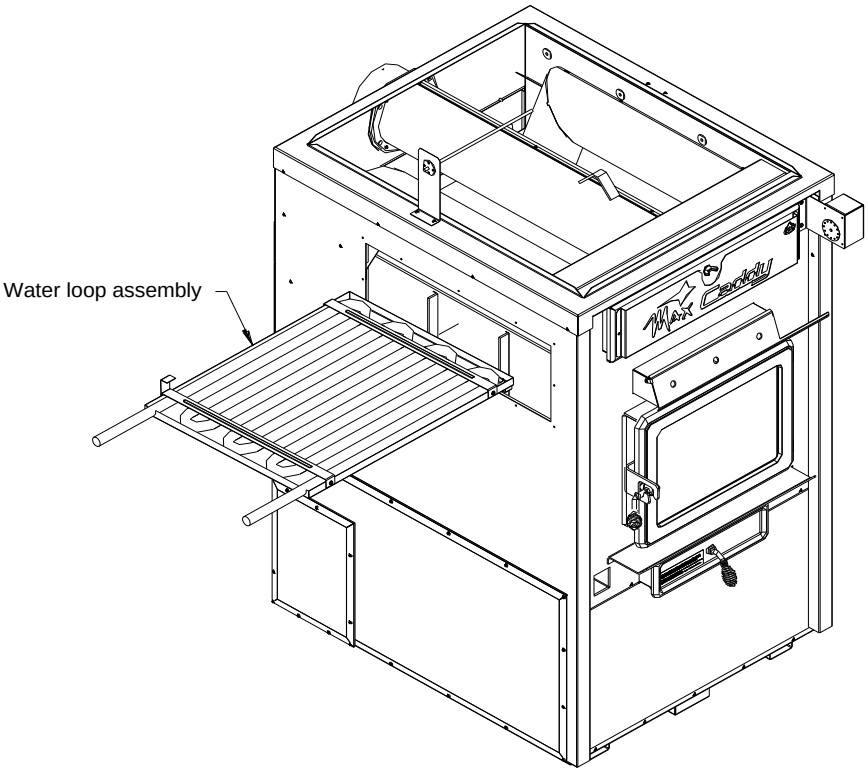




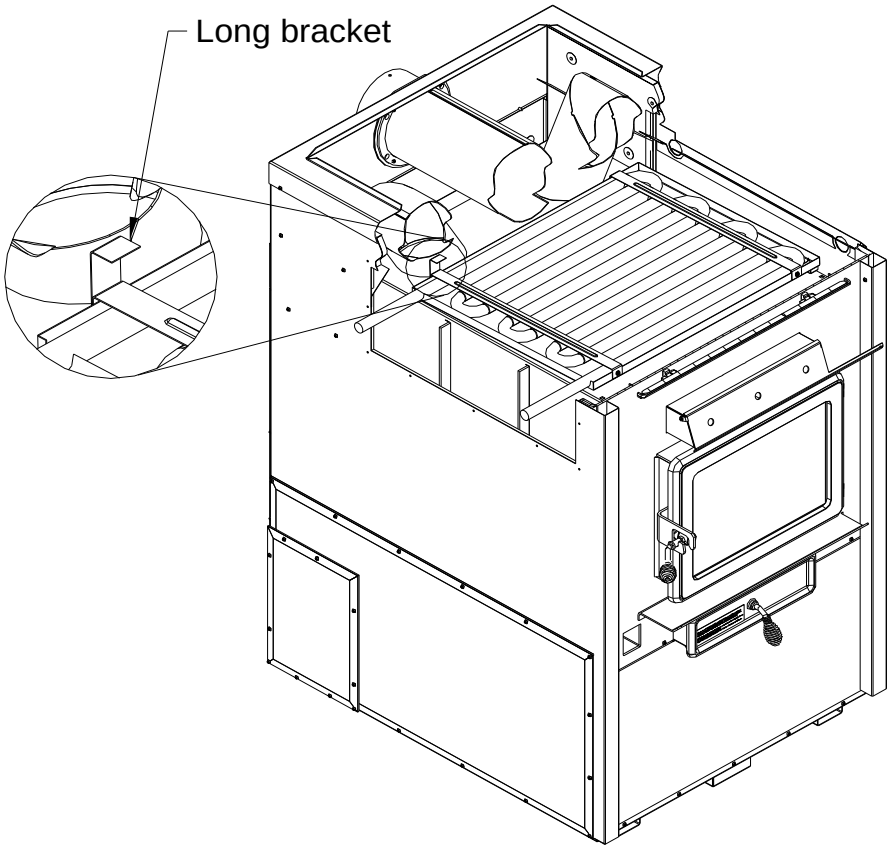
Step 2: Remove the left panel and save the screws for Step 5.



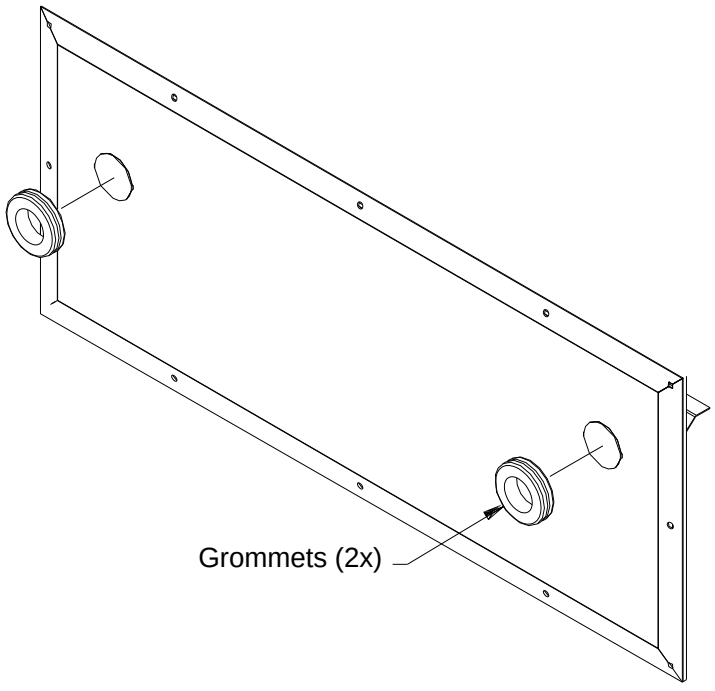
Step 3: Slide the hot water loop assembly into the furnace, between the firebox and the heat exchangers. The hot water loop assembly needs to be centered on the top of the firebox to ensure its stability and safe installation.



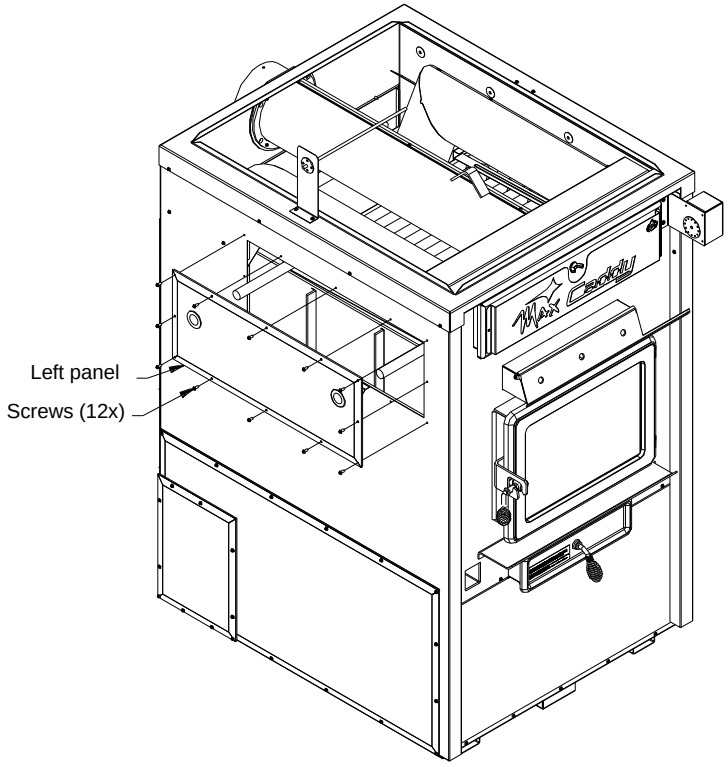
Cut section showing the desired position of the hot water loop assembly above the firebox.



Step 4: Remove the knock-outs from the left side panel and install the grommets in the holes. Grommets are provided in the installation leaflet.



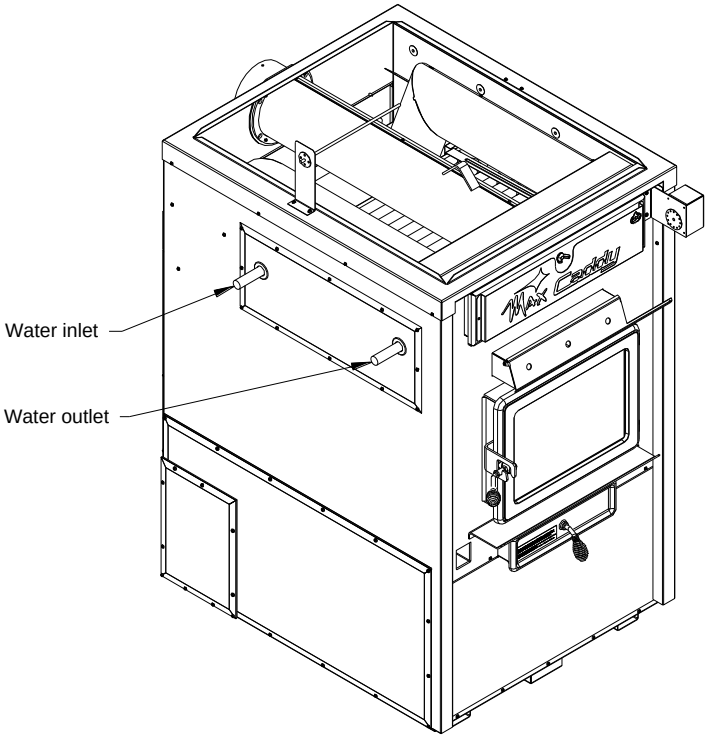
Step 5: Insert then slide the inlet and outlet tubes of the hot water loop assembly through the grommets and secure the panel to the furnace using the screws removed in Step 2.



NOTE: Connections should be performed by a qualified professional.

Identify the water outlet (highest tube) and the water inlet (lowest tube) for installation purposes.

Diagrams for water and electrical connection can be found at the end of this leaflet.



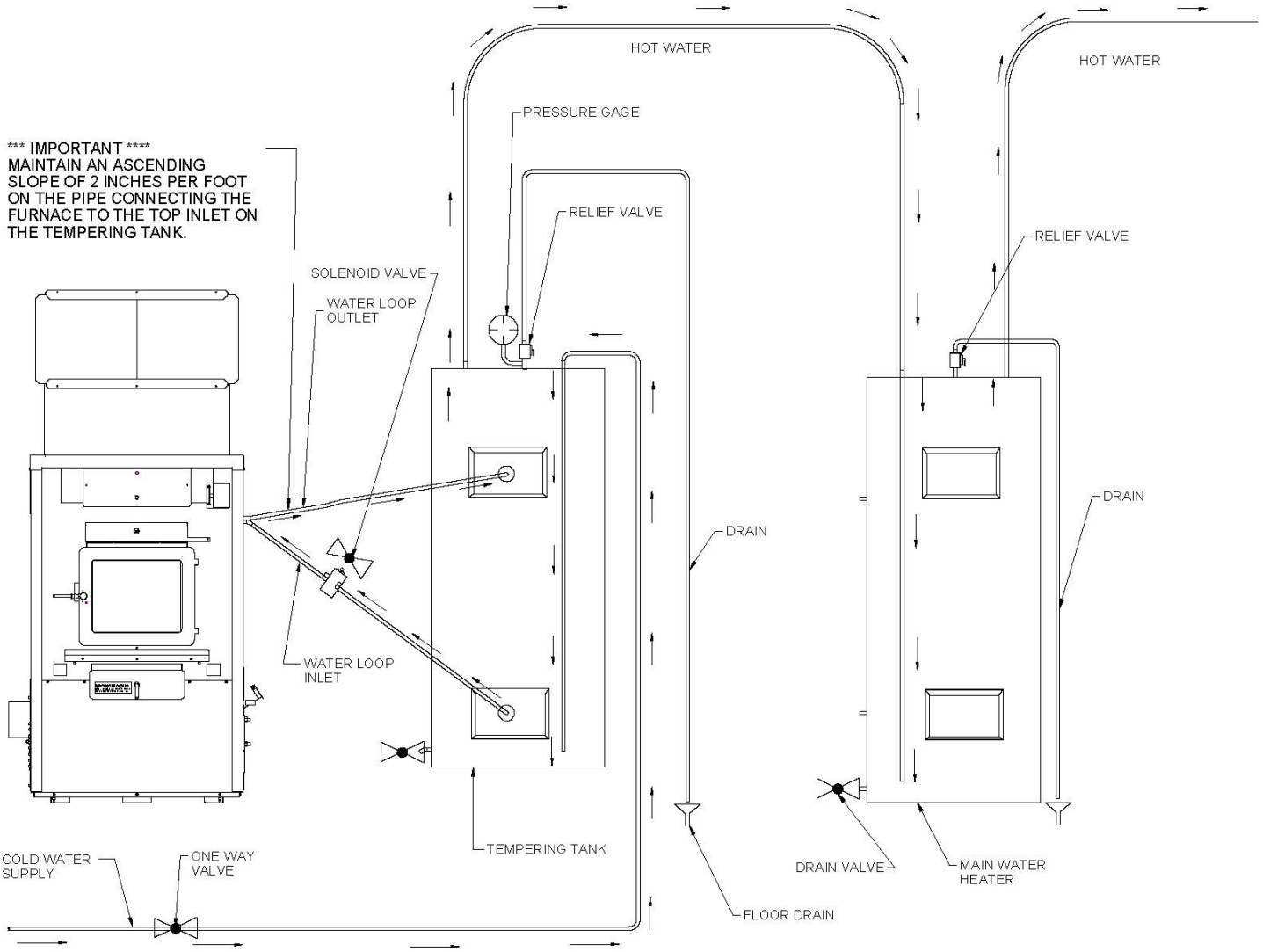
WARNING

TO AVOID RISK OF DAMAGE IN CASE OF WATER OVERHEATING, YOU MUST USE COPPER PIPES TO MAKE THE CONNECTIONS BETWEEN THE TEMPERING TANK AND THE HOT WATER LOOP KIT FOR PREHEATING OF DOMESTIC WATER, FOR BOTH THE INLET AND OUTLET WATER LOOP ASSEMBLY.

NOTE: THE INSTALLATION OF THIS OPTION REQUIRES AN ADDITIONAL HOMOLOGATED 60 GALLONS WATER HEATER, IN WHICH THE HEATING ELEMENTS HAVE BEEN REPLACED BY ADAPTORS THAT ALLOW THE CONNECTION OF THE HOT WATER LOOP ASSEMBLY (NOT INCLUDED).

CONNECTION DIAGRAM FOR THE HOT WATER LOOP KIT FOR PREHEATING OF DOMESTIC WATER

IT IS VERY IMPORTANT TO MAINTAIN AN ASCENDING SLOPE OF 2 INCHES PER FOOT ON THE PIPE CONNECTING THE FURNACE TO THE TOP INLET ON THE TEMPERING TANK.

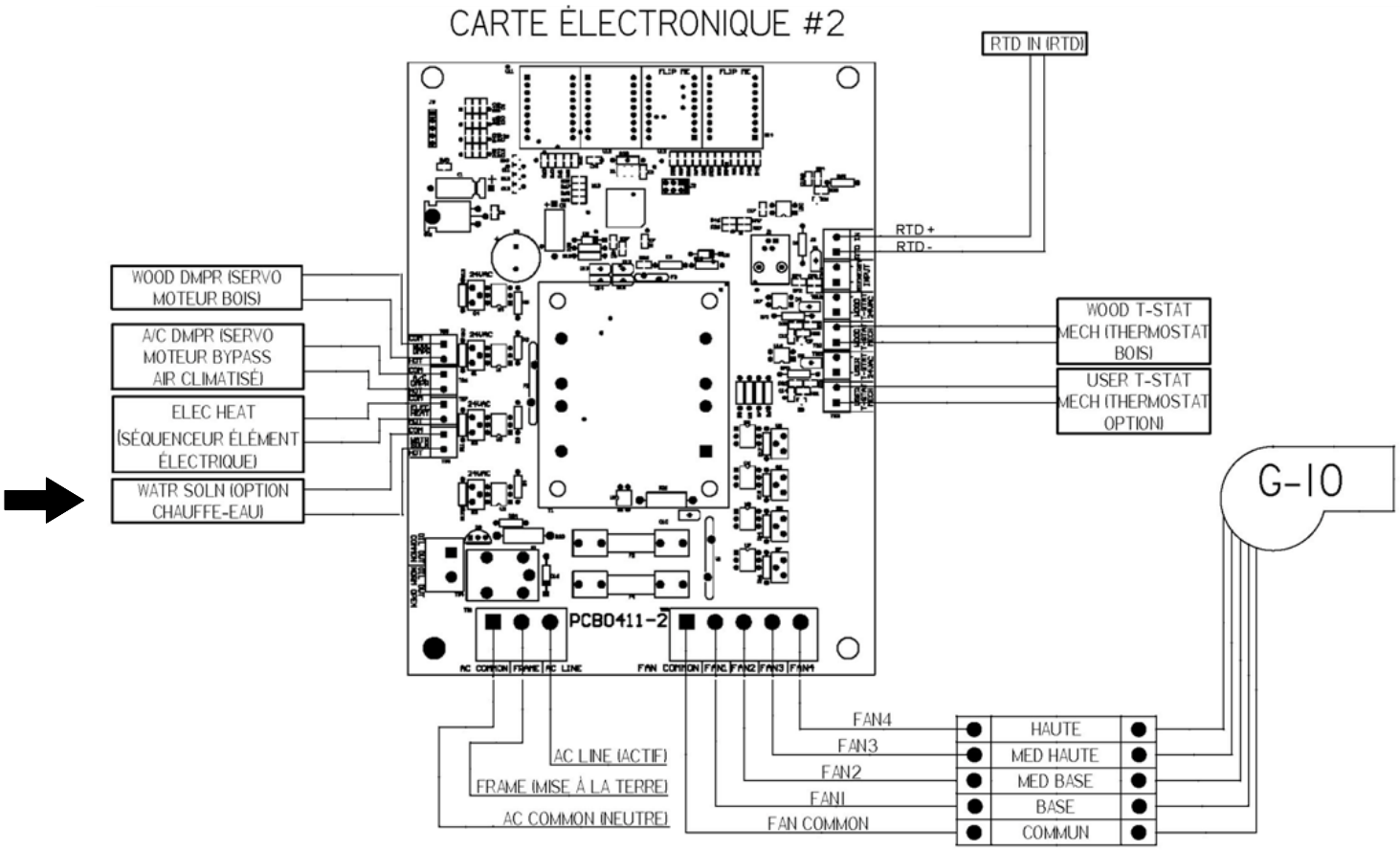


MAX CADDY
(SERIAL NUMBER 3620 AND LESS)

WIRING DIAGRAM

WE RECOMMEND INSTALLING A 24 VAC, MAXIMUM 1A, (1.7A available maximum) NORMALLY CLOSED SOLENOID VALVE ON THE INLET OF THE HOT WATER LOOP KIT TO PREVENT COLD WATER FROM CIRCULATING IN THE FURNACE WHEN NOT IN USE. CONNECT THE VALVE TO THE ‘’**WATR SOLN**’’ PORT LOCATED ON THE LEFT SIDE IN THE FURNACE’S CONTROL BOARD.

THIS PORT WILL BE ENERGISED WHEN THE TEMPERATURE IN THE PLENUM REACHES 49 °C (120 °F).



WIRING FOR MAX CADDY
(SERIAL NUMBER 3621 OR MORE)

WIRING DIAGRAM

WE RECOMMEND INSTALLING A 24 VAC, MAXIMUM 1A (1A available on the output of the blue terminal), NORMALLY CLOSED SOLENOID VALVE ON THE INLET OF THE HOT WATER LOOP KIT TO PREVENT COLD WATER FROM CIRCULATING IN THE FURNACE WHEN NOT IN USE. CONNECT THE VALVE TO THE **"HOT H2O"** PORT ON THE LIAISON BOARD LOCATED IN THE FURNACE BLOWER BOX.

THIS PORT WILL BE ENERGISED WHEN THE TEMPERATURE IN THE PLENUM REACHES 49 °C (120° F).