

# X3 Remote Recirculation Adapter Installation Instructions

## Kit 100371920 Contains:

- Remote Recirculation Receiver Module (1x)
- Two (2) Buttons
- One (1) Wall screw
- One (1) wall anchor
- Instructions (1x)

## Kit 100371921 Contains:

- Remote Recirculation Receiver Module (1x)
- Three (3) Buttons
- One (1) Wall screw
- One (1) wall anchor
- Instructions (1x)

**NOTICE:** Addition buttons can be ordered separately use Kit 100377309. The receiver can pair up to 30 buttons.

**IMPORTANT:** Use only factory authorized replacement parts. If you lack the necessary skills to properly perform the installation, you should not proceed, but get help from a qualified service technician.

## Tools and Materials Required:

- Flathead Screwdriver
- Philips Screwdriver

## Remote Recirculation Receiver Module Location

- 1 Before proceeding, verify the location selected for the remote recirculation receiver module is within the length of the communication cable. It is best to have additional length to allow for any adjustments at either end of the cable. Addition communication cables are available and are in lengths of 10 ft (3 m) and 32 ft (10 m). The communication cables can be joined to the original provided cable for additional length.

## Preparing the Water Heater

- 2 Disconnect power to the water heater by unplugging it or by turning off the circuit at the breaker box, as appropriate. The power button on the water heater and remote **DOES NOT** disconnect power to the water heater. You must physically disconnect

power to the water heater.

- 3 Locate the two screws at the bottom of the cabinet cover. Use a Phillips screwdriver to remove the screws. Place screws aside in a safe place for re-installation.

- 4 Lift cover up and away from cabinet to gain access to the water heater's internal components.

## Connecting the Communication Cable to the Water Heater

- 5 Locate the user interface module on the bottom front of the water heater. See Figure 1.

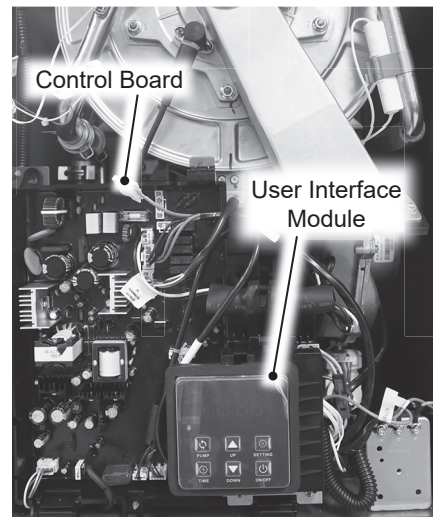


Figure 1 - User Interface Module

- 6 Locate the latch on the top of the user interface module. See Figure 2. Depress this latch and pull forward to remove the user interface module from the mounting bracket.



Figure 2 - User Interface latch

- 7 Locate the screw securing the control board panel. Use a Phillips screwdriver to remove the screw and place it aside in a safe place for re-installation. See Figure 3.

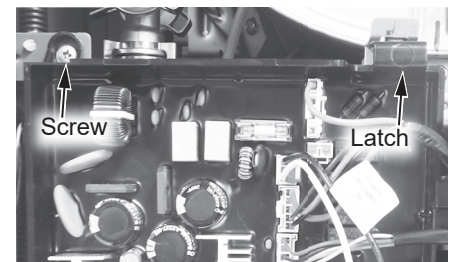


Figure 3 - Control board location

- 8 Press the latch at the top of the control board panel and pull the assembly forward from the top. It is hinged at the bottom and can be lowered. The circuit board assembly will hold itself in place.
- 9 Route the end of the communication cable through the grommet on the bottom of the water heater. See Figure 4.

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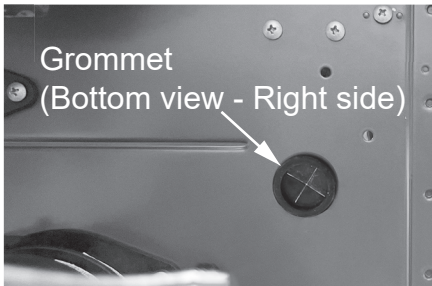
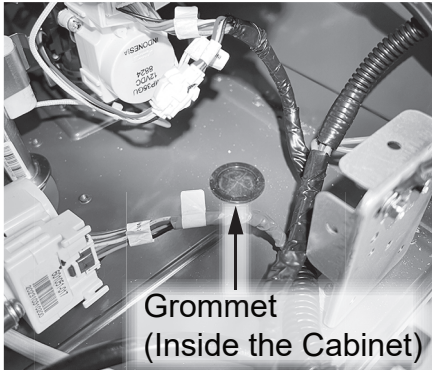


Figure 4 - Grommet location

- 10** Route the communication cable through the wiring organizers on the back of the control board panel. See Figure 5.

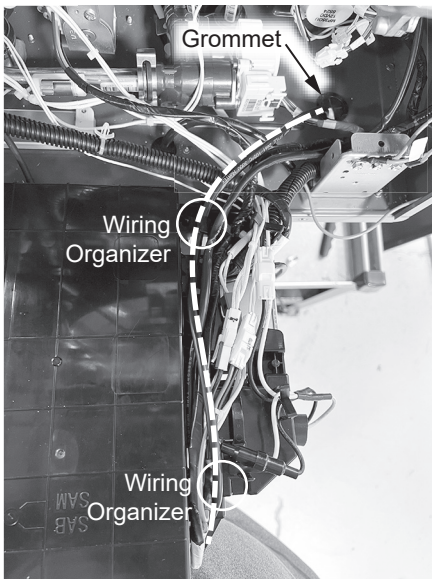


Figure 5 - Communication cable routing

- 11** Lift the control board panel up and lock into place. Install and tighten the screw previously removed in **Step 11**.

- 12** Using Figure 6 as reference connect the communication cable to the control board panel.

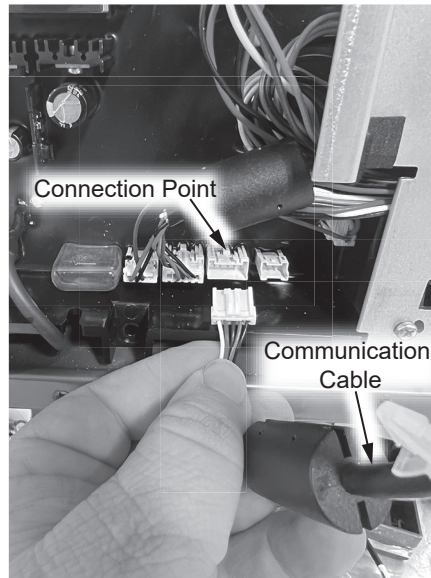


Figure 6 - Connecting the communication cable to the control board.

- 13** Reinstall the user interface module removed in **Step 10**.

## Mounting the Remote Recirculation Receiver Module

- 14** Secure the remote recirculation receiver module to the wall using the provided wall screw and wall anchor. Reference Figure 7 for the orientation of the mounting bracket when mounted.



Figure 7 - Securing the remote recirculation receiver module to the wall

**NOTICE:** Ensure the communication cable has sufficient length to reach the desired location for the remote recirculation receiver module. Ensure the cable is routed properly and not exposed to any sharp edges. Also ensure that it is mounted safely as to not cause any trip or safety hazard.

## Returning Water Heater to Operation

- 15** Replace the cabinet cover and secure with the screws previously removed in **Step 5**.



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- 16 Restore power to the water heater. The water heater is now ready for operation.

## Configure the Water Heater

- 17 Press and hold the Settings button for five (5) seconds to enter A Mode.
- 18 Perform the sequence below to set A05 and A07 values to 1.
1. Press and hold the SETTING button for five (5) seconds to access A Mode
  2. Use the UP button or DOWN button to select code A05.
  3. Press SETTING to access this code.
  4. Use the UP button or DOWN button to set the value to 1.
  5. Press SETTING to confirm this new value.
  6. Follow steps 2 - 5 to set code A07 to 1.
  7. Press and hold the SETTING button for five (5) seconds to exit A Mode.

## Pairing the Remote Recirculation Button(s)

- 19 Locate the remote recirculation buttons provided in the kit. Depending on the kit it may contain two (2) or three (3) buttons. See figure 8.
- 20 Remove the battery cover using a flathead screwdriver or coin. Place a CR2450 coin style battery into the compartment, positive side up. See figure 8.

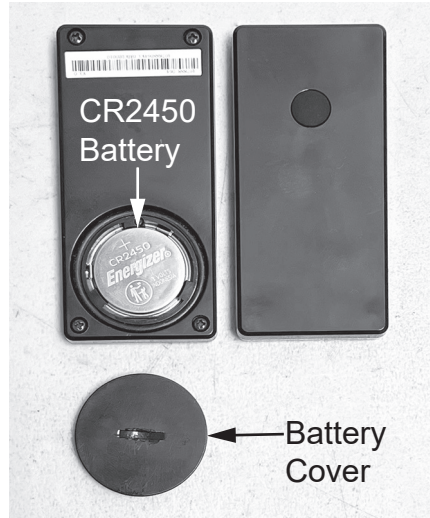


Figure 8 - Remote recirculation button(s) battery installation

- 21 Tighten the cover in place. Do this step for all remote recirculation buttons you plan to pair to the water heater.
- 22 Cycle power to the water heater by unplugging it or by turning it off and on at the circuit breaker box, as appropriate.
- 23 Within one (1) minute press the button on the remote recirculation button. The remote button will flash briefly. Perform this same step on all additional remote recirculation buttons before the minute is up.

- 24 Test the installation by pressing the button(s) on the remote recirculation button. The water heater pump should activate the control panel display will briefly flash the pump symbol followed by the pump activating.

## Resetting the Receiver

- 25 With water heater and recirculation receiver on, Press and hold the "SETTING" button for five (5) seconds to access A- Mode.
- 26 Press the UP button or the DOWN button to access A07.
- 27 Press and hold the "PUMP" button on the user interface module for about ten (10) seconds. The pump icon will blink on the user interface display once complete.
- 28 Follow Steps 22 - 24 to pair the remote recirculation buttons.

