

---

# Installation Instructions

---

## Express® MG-2 Infrared-to-Touch Time™ Retrofit Kit

### Step 1: Remove existing infrared components

*NOTE: Shut off the water supply and unplug the transformer from the outlet before installation.*

1. Using a 5/32 Allen socket wrench, loosen the three screws located on the bottom of the access panel. Remove the panel and set it aside.
2. Unplug the sensor connector plug from the solenoid rack located on the solenoid bracket. Disconnect the four wires attached to the solenoids.
3. Unplug the transformer connector plug from the solenoid rack located in the frame and remove the transformer. Disconnect the two 1/4" plastic supply lines from the solenoids.
4. Remove the three 1/4" bolts that secure the sprayhead body to the bowl. The bolts are located at the back of the bowl. CAREFULLY remove the sprayhead body.
5. Rest the sprayhead upside down so that the two black access plates are visible. Remove the access plates using a 1/8" Allen socket wrench.
6. Inside the sprayhead body, remove the two sensor eyes from the sensor window (two places). Unscrew the nut from the sensor window (two places). Save the nuts and discard the sensor windows. Remove the sensor from the black access plate. Unscrew the wires attached to the sensors. Remove the wire harness and sensors.

### Step 2: Install Touch Time™ switches

1. Carefully enlarge the existing 13/16" hole located on the front face of the sprayhead body using a 7/8" hole saw (two places). Use the drill bushing provided to guide the hole saw while drilling (see Figure 1 on page 2).
2. Insert the Touch Time™ switch into the hole, pushing the wires through first. Using the 1-1/2" dia. spacer and 1/2" nut used to fasten the sensor window (both supplied), thread the wires through and securely fasten the Touch Time™ switch to the sprayhead body (two places) (see Figure 2 on page 2).
3. Reattach the two black access plates to the underside of the sprayhead. Reattach the sprayhead to the bowl using the three 1/4" screws and washers provided.
4. Run the Touch Time™ wires down through the sprayhead/bowl assembly into the frame and connect the wires to the solenoids and terminal block (see Figure 3 on page 2). Attach the terminal block to the frame near the solenoid rack using the hook-and-loop fastener provided.
5. Connect the two leads from the transformer to the terminal block and plug the transformer into the 120v outlet (refer to the wiring diagram, Figure 3, on page 2).
6. Turn on the hot and cold water supplies. Trigger the Touch Time™ push buttons and check for proper function (the timing is electronically controlled and set at 15 seconds). Reattach the stainless steel access panel with the five fasteners.

*NOTE: Activation of the push button takes place only when it is released, thereby preventing "hold open" activation.*



