

# Fan Motor

## REPLACEMENT INSTRUCTIONS

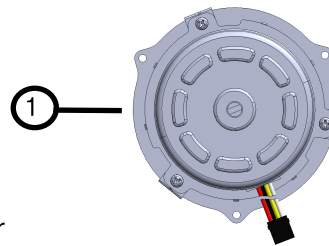
**For Use With Rinnai Tankless Water Heater Models:** RE140i, RE140e, RE160i, RE160e, RE180i, RE180e, RE199i, RE199e, REP160i, REP160e, REP199i, REP199e

**WARNING** Failure to correctly assemble the components according to these instructions may result in electric shock, injury, or death.

### Items Inside Product Box

Before installation, please make sure all parts are located inside the product box.

Item #	Item	Qty
1	Fan Motor	1



**TOOLS/MATERIALS REQUIRED**  Phillips head screwdriver

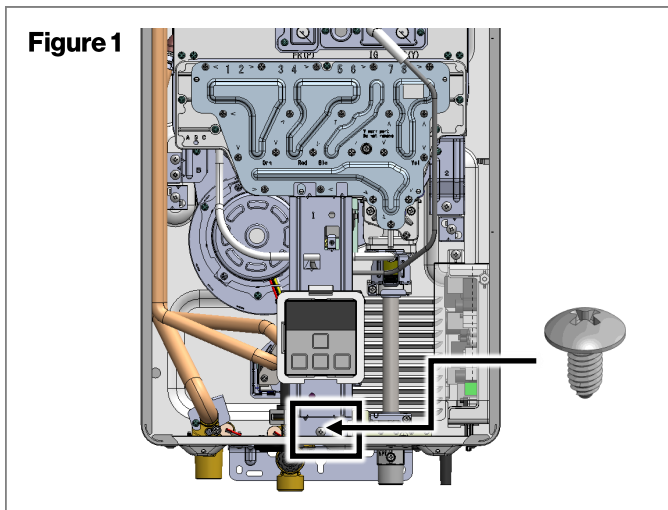
### Instructions

1. Turn off and disconnect 120 V power supply.
2. Turn off water supply.
3. Turn off gas supply.

#### **CAUTION**

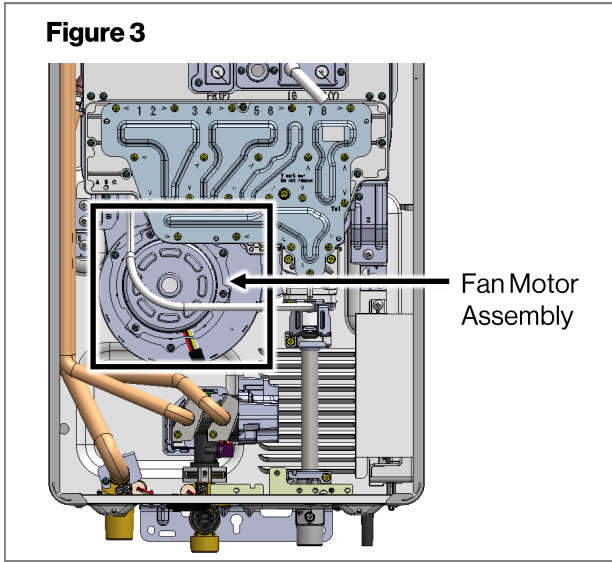
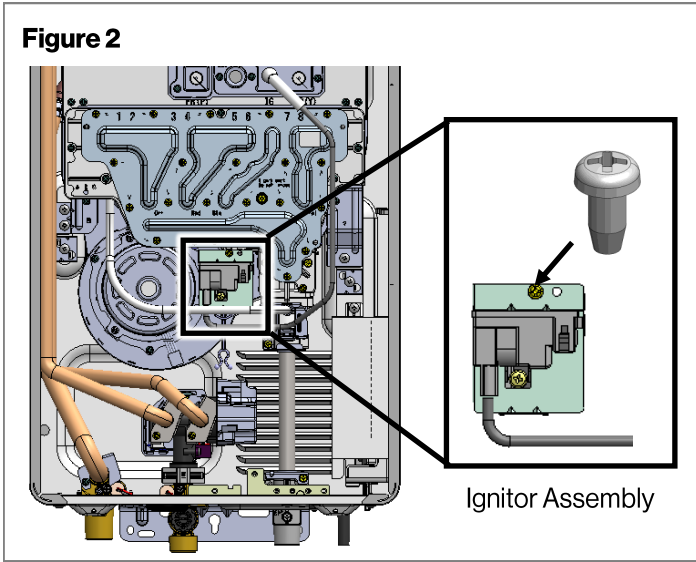
Confirm gas valve is turned off and not leaking. Use lockout procedure to prevent gas valve from being turned on.

4. Remove front panel.
5. Remove the one screw securing the controller assembly to the water heater (Figure 1).

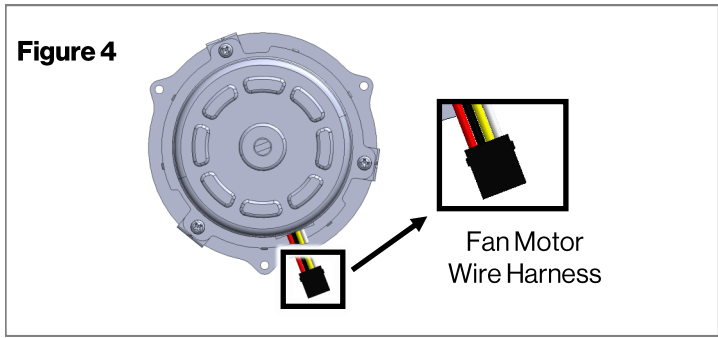


6. Position the controller to gain access to the ignitor assembly.

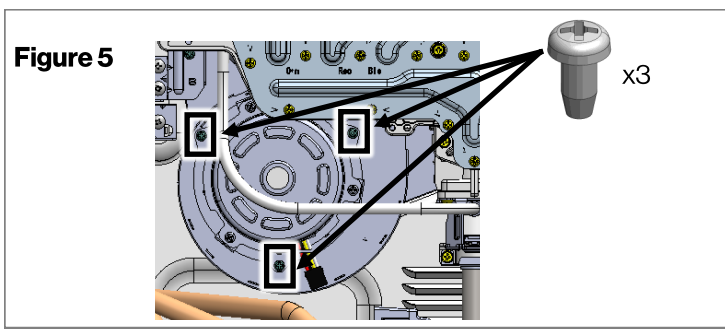
- Remove the screw securing the ignitor assembly to the gas manifold (Figure 2). Position the ignitor assembly to gain access to the fan motor assembly (Figure 3).



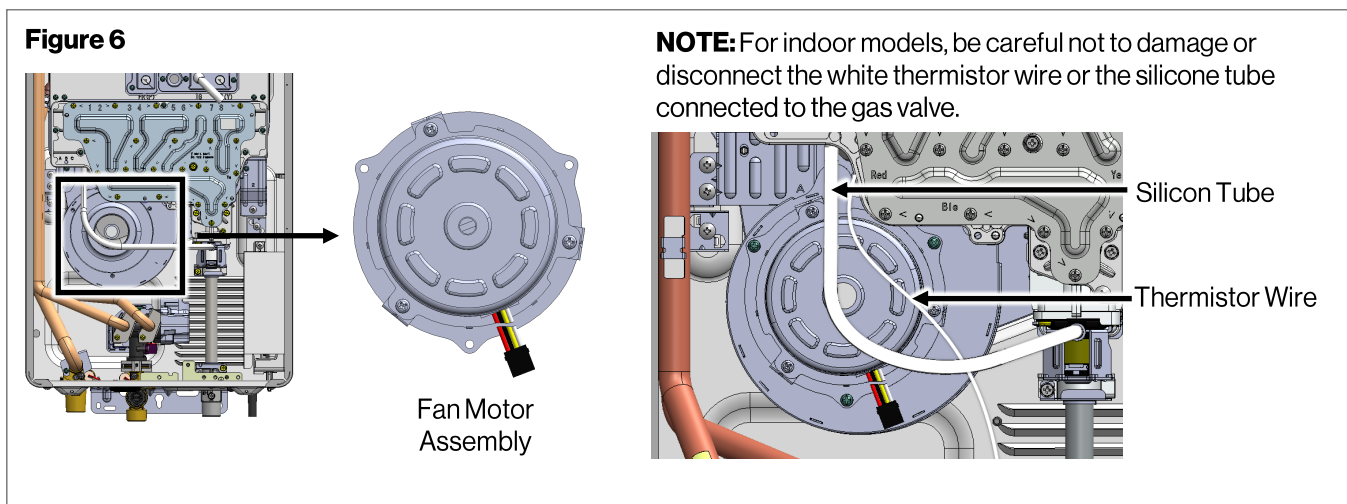
- Disconnect the fan motor wire harness (Figure 4).



- Remove the three Phillips screws around the perimeter of the fan motor assembly (Figure 5).



- Carefully remove the fan motor assembly from the fan casing (Figure 6).



11. Position the new fan motor assembly to the fan casing per the orientation illustrated in Figure 6. Secure with three Phillips screws (Figure 5).
12. Reconnect the fan motor wire harness to the new fan motor (Figure 4).
13. Position the ignitor assembly to the gas manifold and secure with one Phillips screw (Figures 2 and 3).
14. Assemble the controller assembly and secure assembly to the water heater (Figure 1).
15. Reconnect and turn on 120 V power supply, water supply and gas supply.
16. **Indoor models only:** Clear the PC Board fan memory by following the instructions in the next section: "Clear PCB Fan Memory (Indoor Models Only)."

**IMPORTANT**

**Indoor models only:** The PC Board fan memory must be cleared after installing the new fan motor.

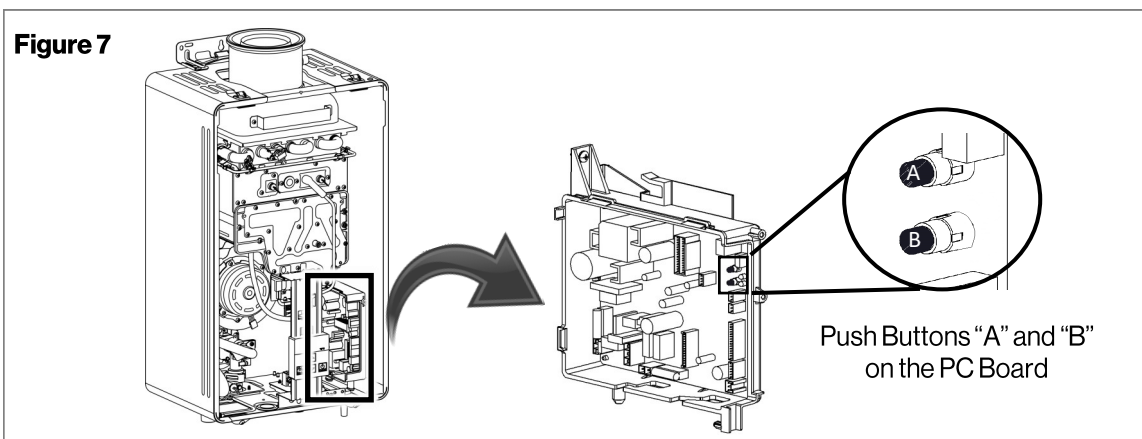
17. After clearing the PC Board fan memory (indoor models only) and all checks have been successfully completed, reinstall the water heater front cover.

**Clear PCB Fan Memory (Indoor Models Only)**

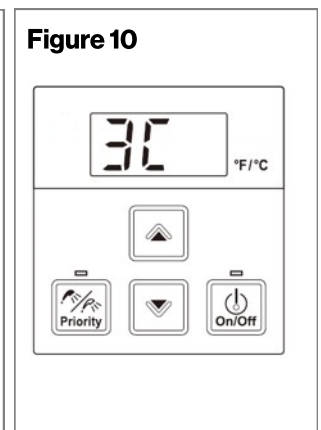
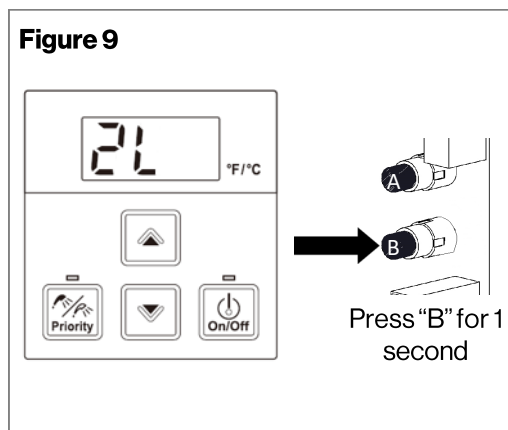
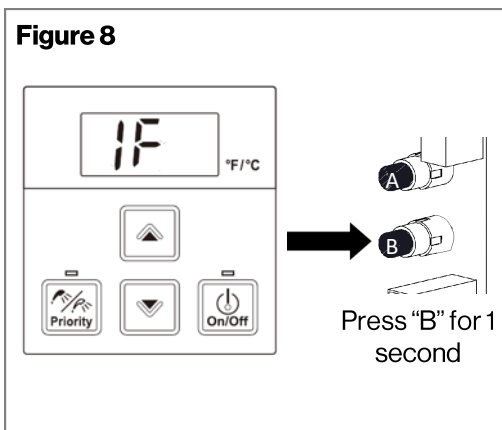
**CAUTION** 

- Do not touch any other areas on the PC board other than the described buttons while power is supplied to the appliance. Parts of the PC board are supplied with 120 VAC.
- Do not touch the areas at or near the heat exchanger or hot water lines; these areas become hot and could cause burns.

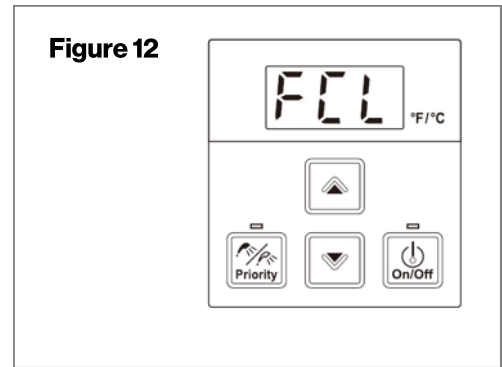
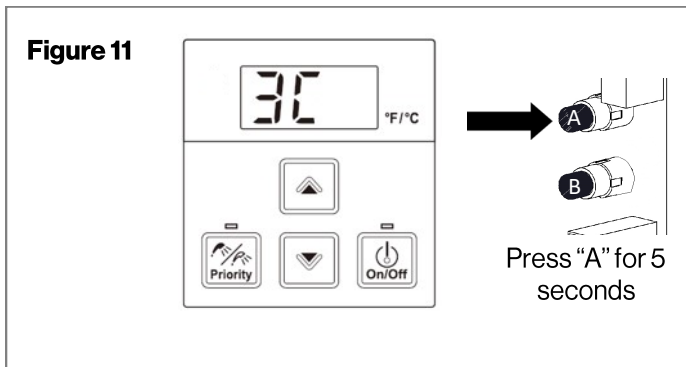
1. Locate the PC board (lower right side of unit) (Figure 7).
2. Locate the two push buttons ("A" and "B") on the PCboard (Figure 7). Apply power.



3. Press button "B" for one second to enter the Service Configuration Mode (Figure 8).
4. Continue pressing button "B" in 1 second intervals (Figure 9) until "3C" appears on the display (Figure 10).



- When "3C" appears on the display, press and hold button "A" for 5 seconds (Figure 11).  
"FCL" (Fan Clear Line) will appear on the display (Figure 12).



- To exit the Service Configuration Mode, continue pressing button "B" in 1 second intervals until the set temperature appears on the display.
- Operate the water heater and check that operation is working correctly without any noise.
- Reinstall the front panel.