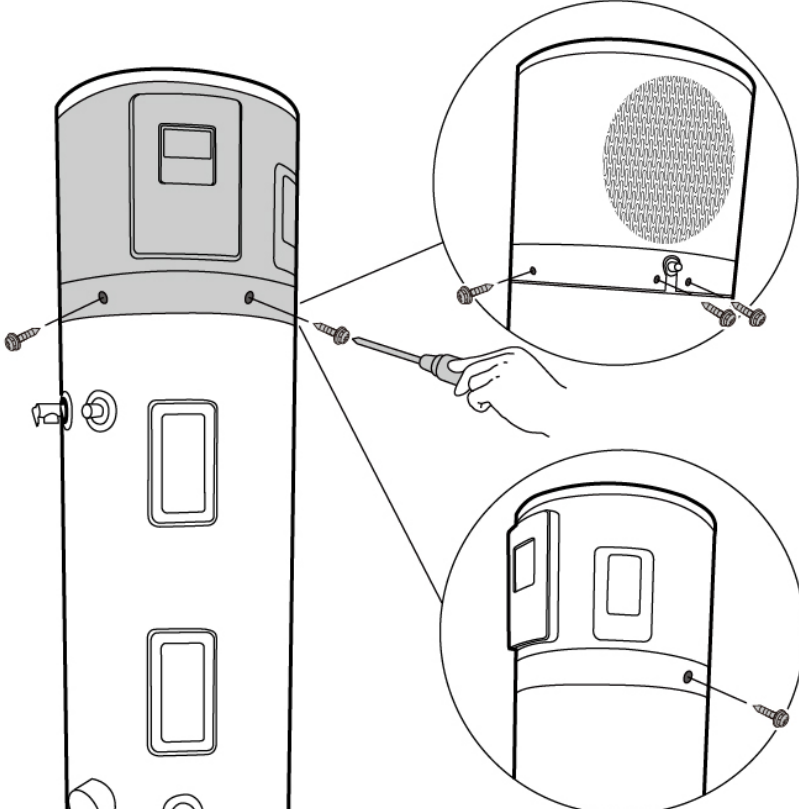
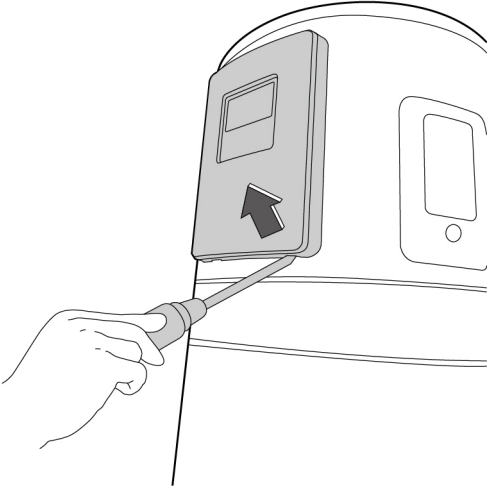


Electric Residential Hybrid Water Heater -Disassembly Guide-

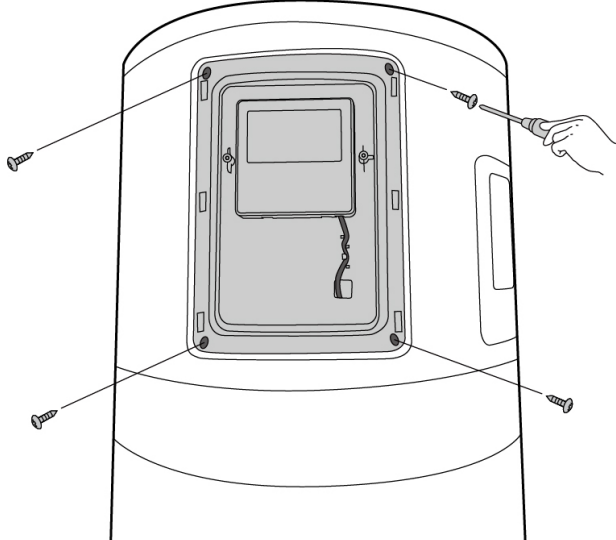
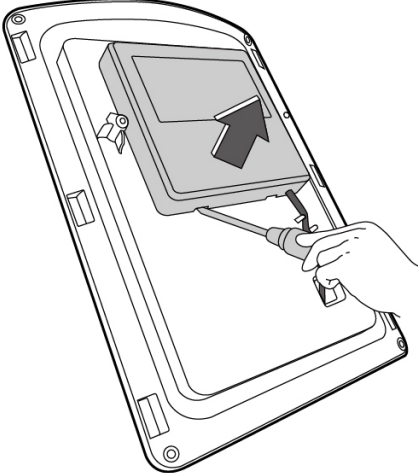
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1. Electrical Parts (Antistatic gloves must be worn.)

Procedure	Illustration
<p>1) Remove 6 screws of the front cover. (see CJ_COMBO_US_001)</p>	 <p style="text-align: center;">CJ_COMBO_US_001</p>
<p>2) Remove the display box front cover with slot type screwdriver. (see CJ_COMBO_US_002)</p>	 <p style="text-align: center;">CJ_COMBO_US_002</p>

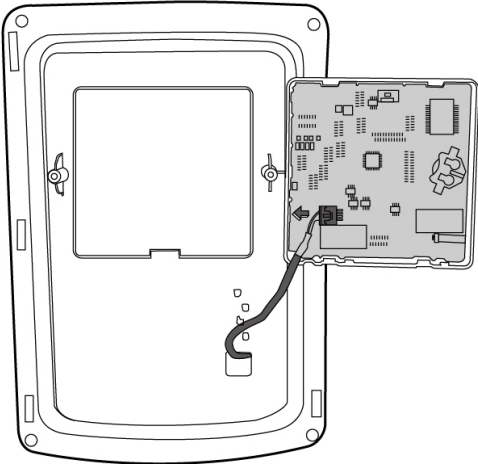
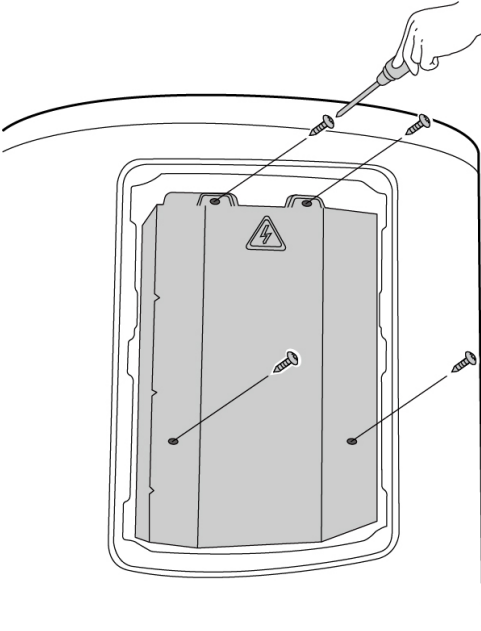
Note: This section is for reference only. Actual unit appearance may vary.

Procedure	Illustration
<p>3) Release 4 screws of the display box rear cover and then remove it.(see CJ_COMBO_US_003)</p>	 <p>A line drawing of a cylindrical unit with a rectangular display box on its front. Four screws are shown being removed from the back of the display box. A hand is using a screwdriver to remove one of the screws. The screws are located at the top-left, top-right, bottom-left, and bottom-right corners of the display box's rear panel.</p>
<p>4) Remove the display box assembly.(see CJ_COMBO_US_004)</p>	 <p>A line drawing of the display box assembly being removed from the unit. The assembly is tilted away from the unit. A hand is using a screwdriver to remove a screw from the bottom of the assembly. A large black arrow points upwards from the top of the assembly, indicating the direction of removal.</p>

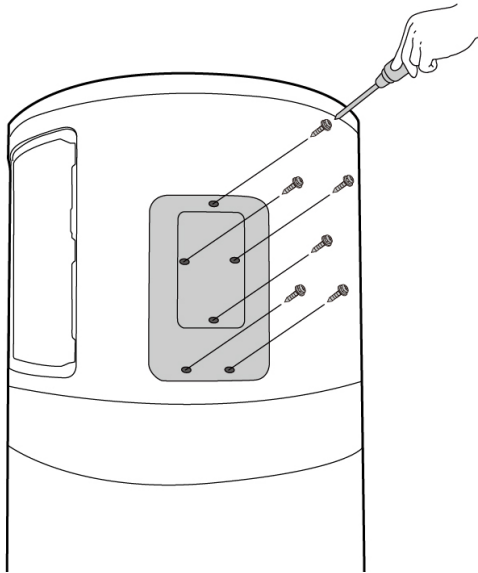
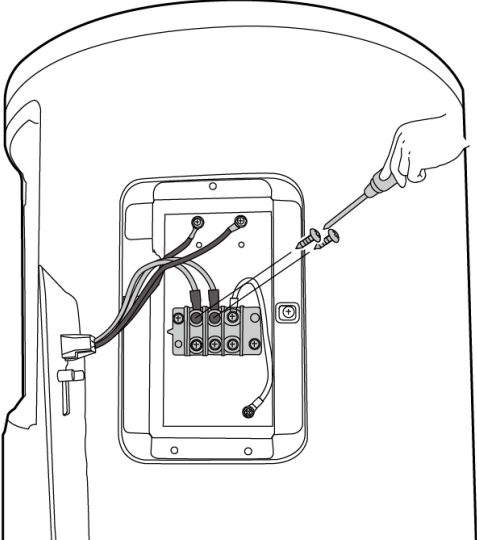
CJ_COMBO_US_003

CJ_COMBO_US_004

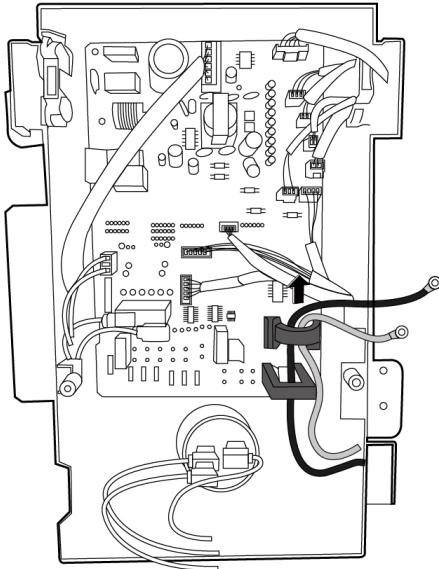
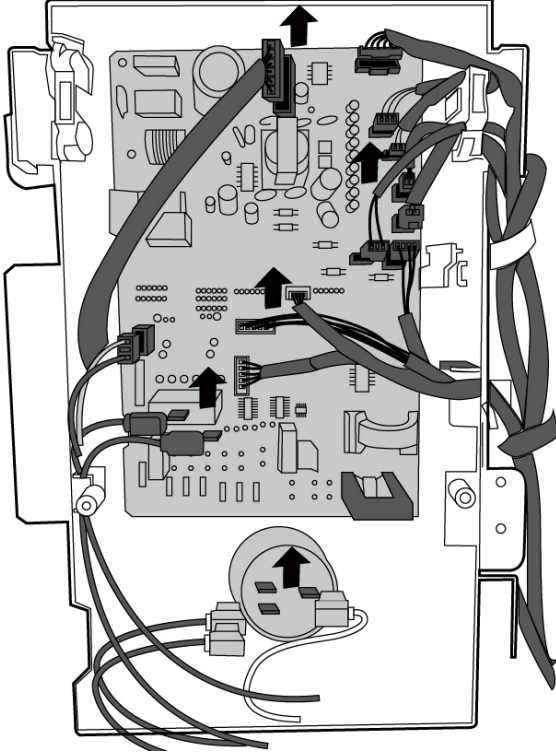
Note: This section is for reference only. Actual unit appearance may vary.

Procedure	Illustration
<p>5) Disconnect the display board connection. (see CJ_COMBO_US_005)</p>	 <p style="text-align: center;">CJ_COMBO_US_005</p>
<p>6) Release 4 screws of the cover of main control E-box to remove it. (see CJ_COMBO_US_006)</p>	 <p style="text-align: center;">CJ_COMBO_US_006</p>

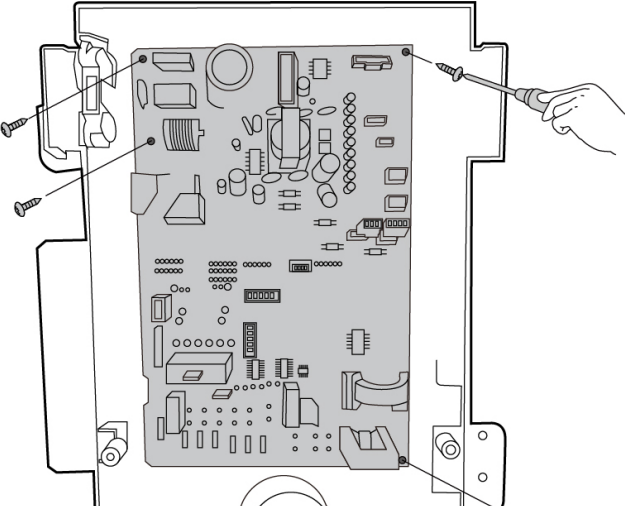
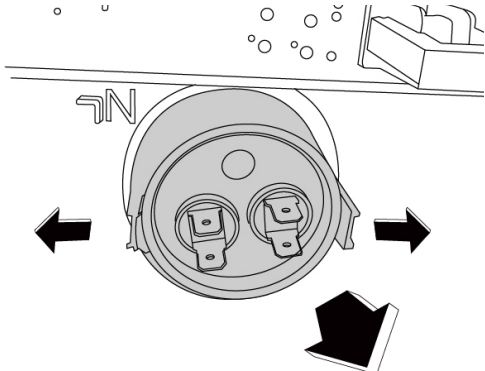
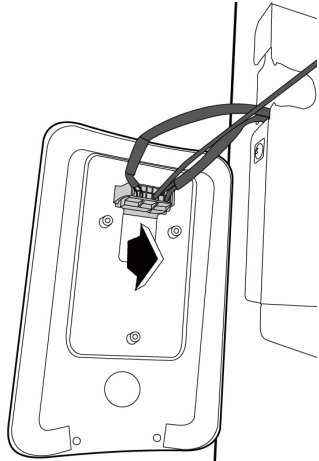
Note: This section is for reference only. Actual unit appearance may vary.

Procedure	Illustration
<p>7) Release 6 screws and then remove the junction box cover. (see CJ_COMBO_US_007)</p>	 <p>The diagram shows a hand using a screwdriver to remove one of six screws that hold a rectangular junction box cover in place on the top of the indoor unit. The cover is shaded gray, and the screws are arranged in two vertical columns of three.</p> <p style="text-align: center;">CJ_COMBO_US_007</p>
<p>8) Release 2 screws and release line L1(black) and line L2(white).(see CJ_COMBO_US_008)</p>	 <p>The diagram shows the junction box cover removed, revealing the internal wiring. A hand is using a screwdriver to remove one of two screws that secure the junction box. Two lines, L1 (black) and L2 (white), are shown connected to the terminals inside the box.</p> <p style="text-align: center;">CJ_COMBO_US_008</p>

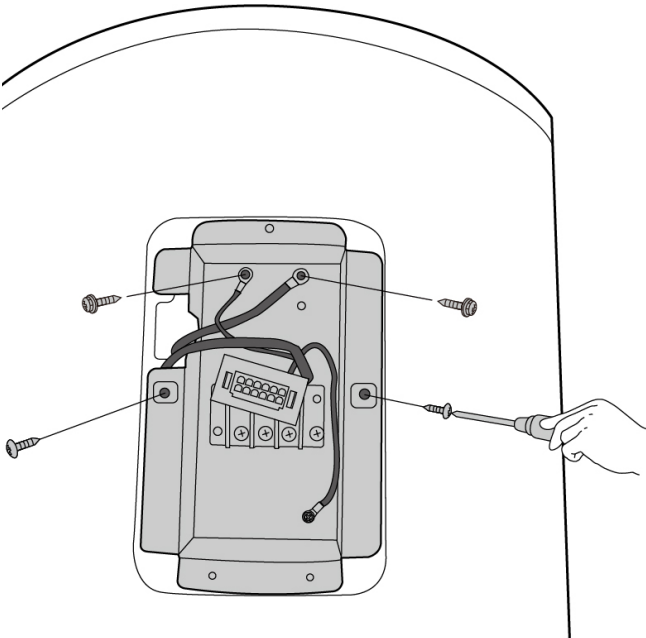
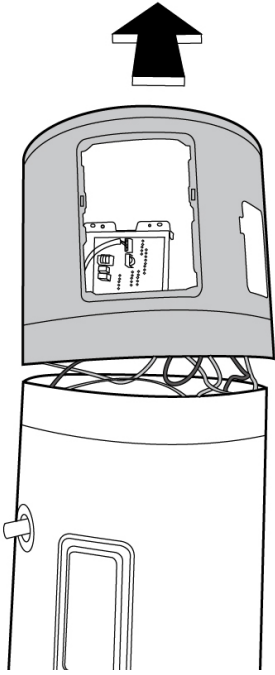
Note: This section is for reference only. Actual unit appearance may vary.

Procedure	Illustration
<p>9) Pull line L1(black) and line L2(white) out of the overline rubber base. Be careful to pull L1(black) and then L2(white).(see CJ_COMBO_US_009)</p>	 <p style="text-align: center;">CJ_COMBO_US_009</p>
<p>10) Disconnect all connectors. Please make sure to remove the anti-loosening lock buckle on the socket first.(see CJ_COMBO_US_010)</p>	 <p style="text-align: center;">CJ_COMBO_US_010</p>

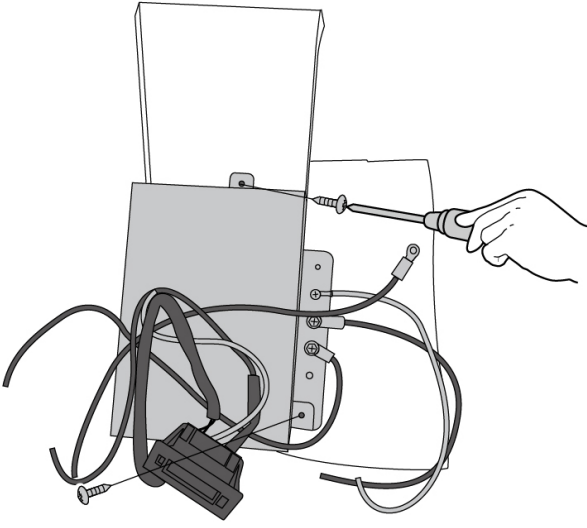
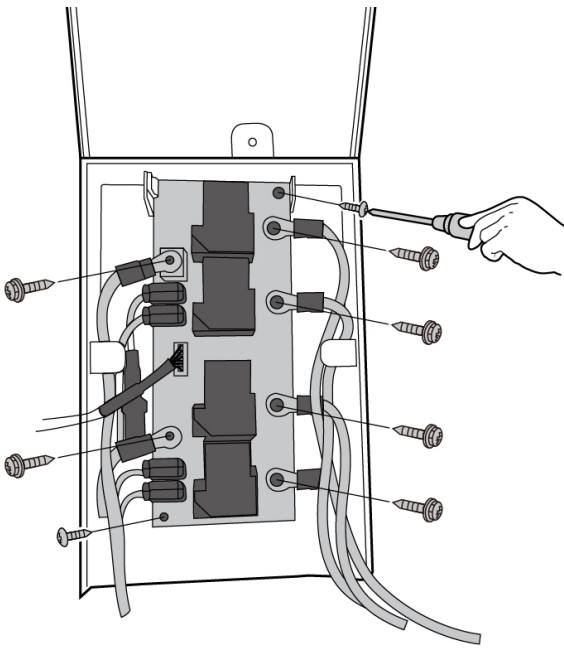
Note: This section is for reference only. Actual unit appearance may vary.

Procedure	Illustration
<p>11) Release 4 screws and then remove the main control board assembly.(see CJ_COMBO_US_011)</p>	 <p style="text-align: center;">CJ_COMBO_US_011</p>
<p>12) Pull the compressor capacitor out of the capacitor cover by exerting force on both sides. (see CJ_COMBO_US_012)</p>	 <p style="text-align: center;">CJ_COMBO_US_012</p>
<p>13) Remove the CTA2045 connector from the junction box cover. (see CJ_COMBO_US_013)</p>	 <p style="text-align: center;">CJ_COMBO_US_013</p>

Note: This section is for reference only. Actual unit appearance may vary.

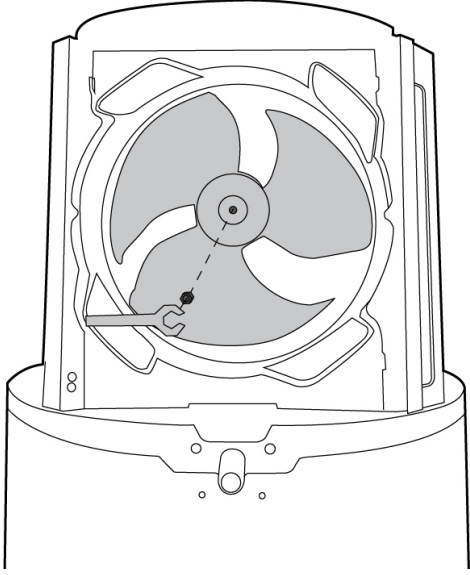
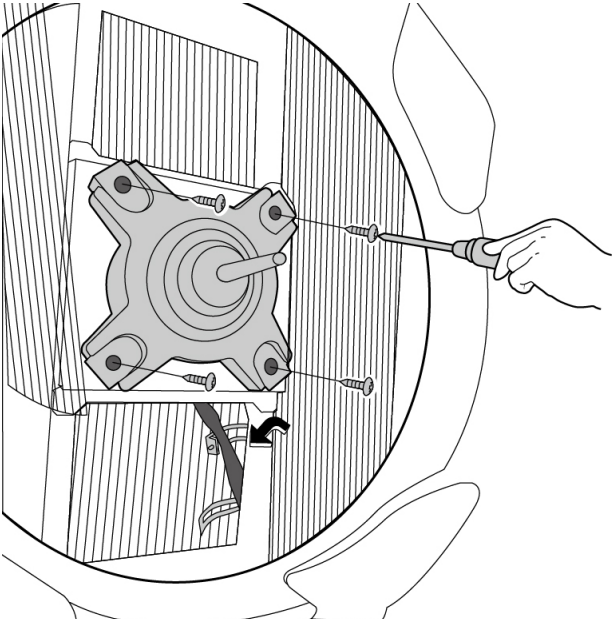
Procedure	Illustration
<p>14) Release 2 fixing screws and 2 grounding screws then remove the junction box. (see CJ_COMBO_US_014)</p>	 <p style="text-align: center;">CJ_COMBO_US_014</p>
<p>15) Remove the front cover upward. (see CJ_COMBO_US_015)</p>	 <p style="text-align: center;">CJ_COMBO_US_015</p>

Note: This section is for reference only. Actual unit appearance may vary.

Procedure	Illustration
<p>16) Release 2 screws and then remove box of the relay board.(see CJ_COMBO_US_016)</p>	 <p style="text-align: center;">CJ_COMBO_US_016</p>
<p>17) Remove 8 screws and disconnect 5 sockets. (see CJ_COMBO_US_017)</p> <p>18) Remove 4 relays.</p>	 <p style="text-align: center;">CJ_COMBO_US_017</p>

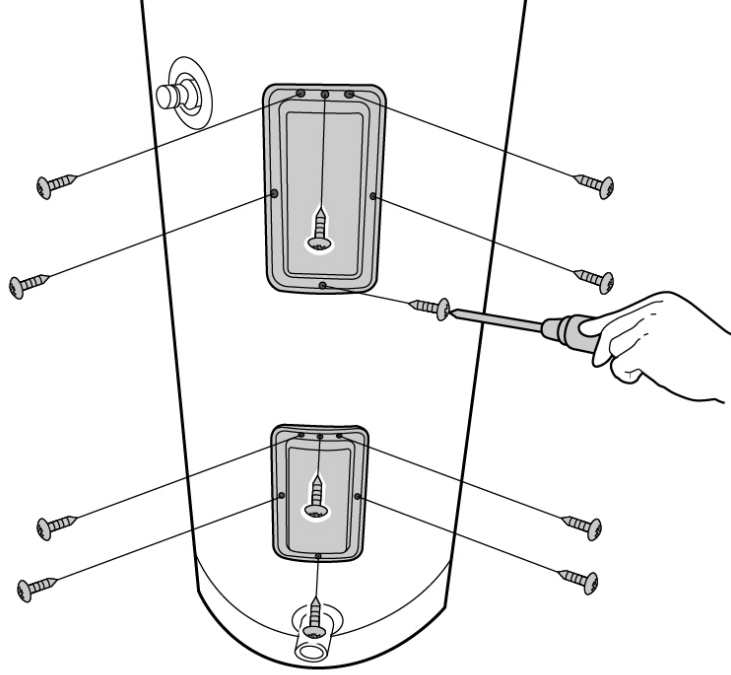
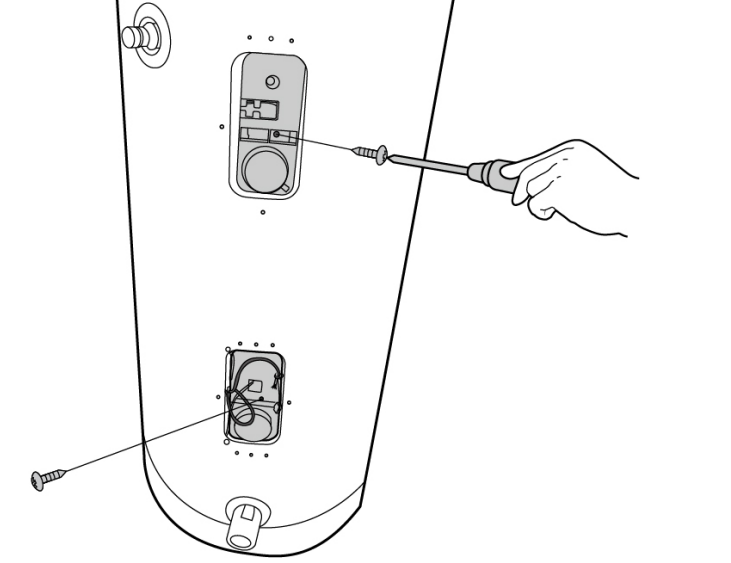
Note: This section is for reference only. Actual unit appearance may vary.

2. Fan Motor and Fan

Procedure	Illustration
<p>1) Remove the nut securing the fan with a spanner. (see see CJ_COMBO_US_018).</p> <p>2) Remove the fan.</p> <p>3) Remove the fixing screws of the fan motor(4 screws) and loose iron plastic strip. (see CJ_COMBO_US_019)</p> <p>4) Remove the fan motor.</p>	 <p data-bbox="895 1021 1158 1055">CJ_COMBO_US_018</p>  <p data-bbox="895 1704 1158 1738">CJ_COMBO_US_019</p>

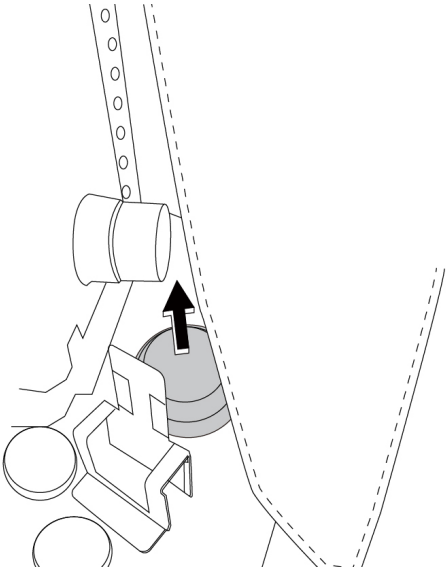
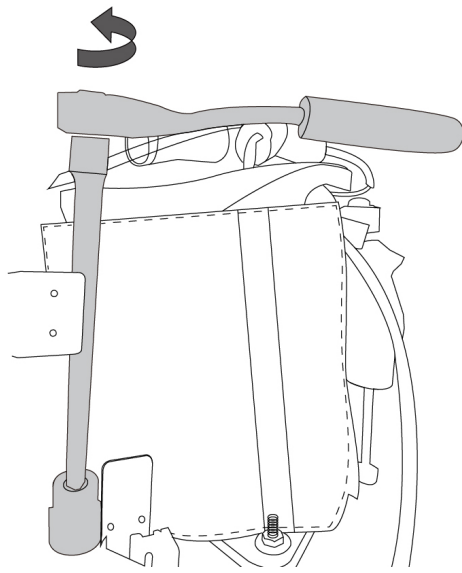
Note: This section is for reference only. Actual unit appearance may vary.

3. Element Heater

Procedure	Illustration
<p>1) Remove 6 screws and then remove the cover(TCO)/cover(electric heater). (see CJ_COMBO_US_020)</p> <p>The lower one is the same as the upper one.</p>	 <p>CJ_COMBO_US_020</p>
<p>2) Remove 1 screw and then remove the insulating covers. (see CJ_COMBO_US_021)</p> <p>The lower one is the same as the upper one.</p>	 <p>CJ_COMBO_US_021</p>

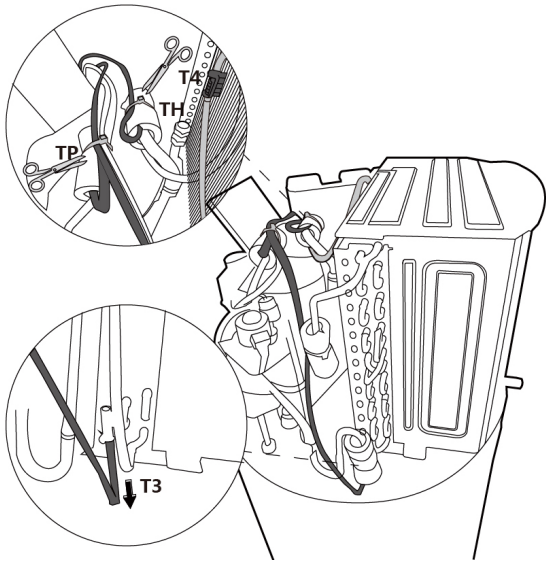
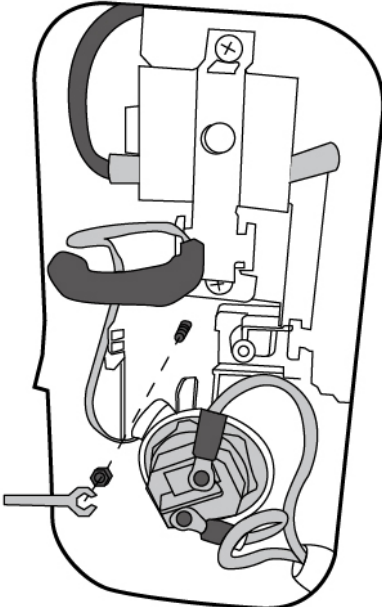
Note: This section is for reference only. Actual unit appearance may vary.

4. Anode Rod

Procedure	Illustration
<p>1) Remove anode rod hole cover. (see CJ_COMBO_US_024)</p> <p>2) Using a socket(27mm/1inch) and wrench to rotate and remove the anode rod. (see CJ_COMBO_US_025)</p>	 <p style="text-align: center;">CJ_COMBO_US_024</p>  <p style="text-align: center;">CJ_COMBO_US_025</p>

Note: This section is for reference only. Actual unit appearance may vary.

5. Sensors

Procedure	Illustration
<p>1) Remove the sponge. (see CJ_COMBO_US_026)</p> <p>2) Pull out the sensors.</p> <p>Evaporator temperature sensor(T3)</p> <p>Ambient temperature sensor(T4)</p> <p>Discharge temperature sensor(TP)</p> <p>Suction temperature sensor(TH)</p>	 <p style="text-align: center;">CJ_COMBO_US_026</p>
<p>3) Remove the nut securing the tank temperature sensor.(see CJ_COMBO_US_027)</p> <p>4) Remove tank temperature sensor(Upper)(T5U).</p> <p>5) Tank temperature sensor(Lower)(T5L) is the same as tank temperature sensor(Upper)(T5U).</p>	 <p style="text-align: center;">CJ_COMBO_US_027</p>

Note: This section is for reference only. Actual unit appearance may vary.