



START ASSIST KIT INSTALLATION INSTRUCTIONS

⚠️ WARNING

Electrical shock hazard. Improper installation could result in death or serious injury. Read this instructions and understand all requirements before beginning installation. Installation is not complete until appliance operation is verified per Installation, Operation & Maintenance Manual provided with unit.

⚠️ WARNING

Electrical shock hazard. Turn OFF electrical power supply at service panel. Failure to do so could result in death or serious injury.

Kit installation shall be completed by a qualified service agency.

Tools

- Straight Bit Screwdriver or #2 Truss Head Drive
- Needle Nose Strippers (optional)
- Drill with 1/4" Socket Driver

Start Assist kit provides a Start Capacitor which helps in starting of the compressor in ambient temperature conditions less than 40°F (4°C) or low voltage conditions, less than 208 Vac.

Start Assist kit allows for additional starting torque to compressor at start-up.

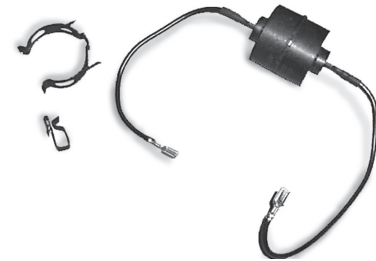
S1C 9,000 - 30,000 BTU Circuits Kit S2C, T2C, T3C, and T4C (1 Zone)

KIT #55000565 Includes

Part Number	Description	QTY
614001581	Wire Diagram	1
614001714	Wire Diagram	1
14GA BLK	*Wire	2
240000364	*Start assist capacitor	1
240006439	Kit instructions	1

* See Figure 1

Figure 1 - Wire and Start Assist Capacitor



S1C 36,000 BTU Circuits Kit KIT #550001613 Includes

Part Number	Description	QTY
614002284	Wire Diagram	1
201000027	*Drill Screw	1
240000062	*Wire Tie w/ Mounting Hole	2
240001694	*Start assist capacitor	1
240006439	Kit instructions	1

* See Figure 2

Figure 2 - Start Assist Capacitor, Wire Tie, and Drill Screw



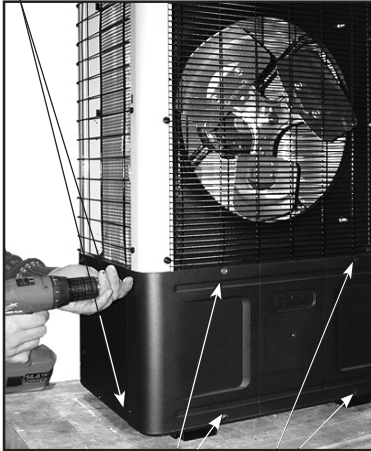
START ASSIST KIT INSTRUCTIONS

Installation Instructions

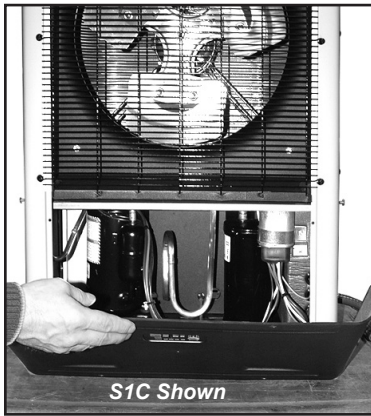
1. Disconnect all power to the unit by opening and tagging all power-supply disconnects to the unit.
2. Remove the front access panel to expose the compressor capacitor(s).

Figure 3 - S1C/S2C units

- a. Loosen the screws on left and right sides of the front panel. (Do not remove these screws.)

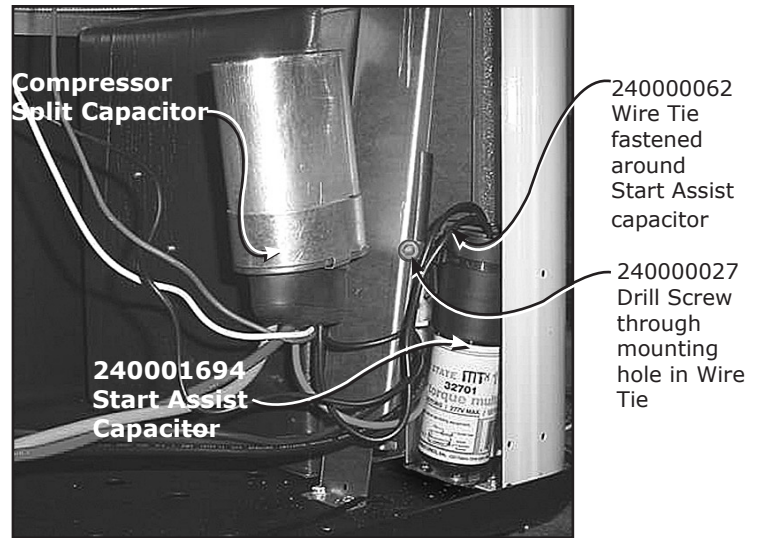


- b. Remove the screws on the front of the panel.



- c. To remove front panel, slide front panel forward to clear side screws and remove.

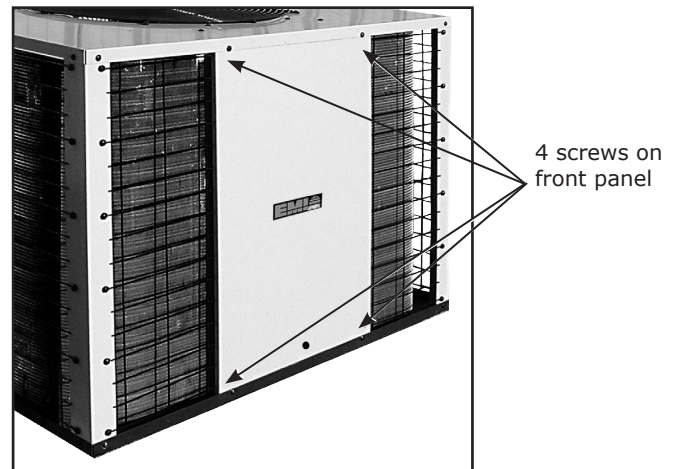
Figure 4 - S1C6 Only



For S1C6, repeat steps a,b,& c of S1C/S2C

- d. Secure the Start Assist Capacitor to the slanted leg of the coil support brace using the wire tie and drill screw provided. The Capacitor must be mounted with the wires on the top as shown in photo. Mount in such a way that the Capacitor is not in contact with the bottom of the unit.

Figure 5 - Top Discharge Units



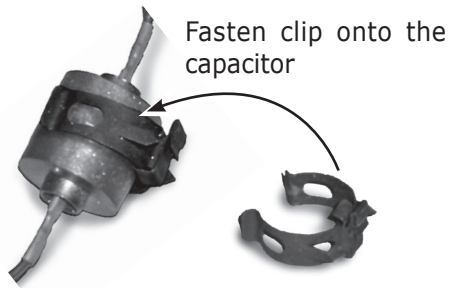
- a. Remove 4 screws on front panel and lift panel off.

3. Read and follow instructions on all WARNING or CAUTION labels.
4. Locate compressor split capacitor, (marked "Herm", "Fan", "C"). Refer to wiring diagram supplied with kit.

Note: For S2C, T2C, T3C and T4C units, there is a separate capacitor for each compressor.

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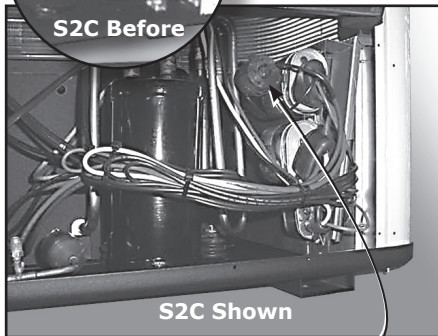
5. Install start assist capacitor(s).



Note: Number of compressors determine the number of kits needed. Separate start assist capacitor must be installed on each of the units' compressors.

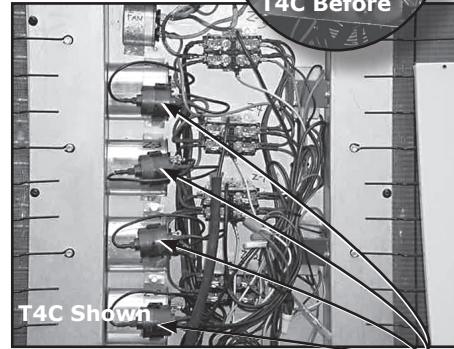
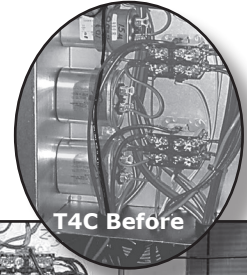


Note: The S2C, will need 2 kits, separate start assist capacitor for each of the 2 compressors.



First of 2 capacitors installed

Note: The T4C, will need 4 kits, a separate start assist capacitor for each of the 4 compressors.



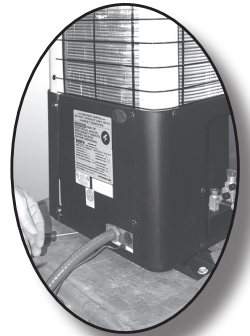
T4C with 4 capacitors installed

For Top Discharge (T2C, T3C & T4C) units the wiring diagram is on the inside of the front service panel.

For Side Discharge (S1C & S2C) units the wiring diagram is on the inside of the left side service panel.

Remove the 4 screws on the left panel and lift off.

6. Secure the start assist capacitor(s) in such a way that it will not be damaged by moving or hot parts (see photos opposite page).
7. Replace all access panels.
8. Turn on power supply.
9. Check unit for proper operation.





ECR INTERNATIONAL Inc
2201 Dwyer Avenue, Utica, NY, USA 13501
www.ecrinternational.com