

INSTALLATION INSTRUCTIONS

ECONOMIZER WITH SSE CONTROLS FOR CHOICE 12.5 – 27.5 TON UNITS MODEL# 2EE04710524 / 2EE04710724

5587869-UAI-H-0624

General

The instruction provides all the necessary information to properly field install the Economizer.

Kit	Down Flow Unit			Side Flow Unit	A	B	C	D	E
	Standard Efficiency	High Efficiency	Heat Pump	Standard Efficiency					
2EE04710524	15 - 20 Ton	-	12.5 - 15 Ton	15 - 17.5 Ton	20 ¹³ / ₁₆	74 ⁷ / ₈	66 ⁵ / ₈	18 ¹⁵ / ₁₆	16 ³ / ₄
2EE04710724	25 - 27.5 Ton	12.5 - 23 Ton	20 - 25 Ton	20 - 25 Ton	28 ¹³ / ₁₆	74 ⁷ / ₈	66 ⁵ / ₈	18 ³ / ₄	23 ³ / ₄

WARNING

Electric shock hazard. Can cause injury or death. Before attempting to perform any service or maintenance, turn the electrical power to unit OFF at disconnect switch(es).

Step 1:

Verify all unit parts in box.

1 ea. - Economizer w/ SSE Controls

Note: See Table above for dimensions.

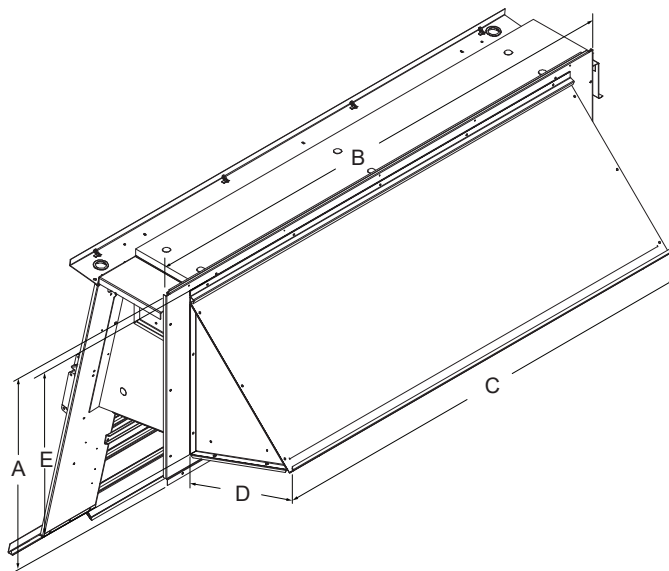


Figure 1

Step 2:

Remove the screws from around the perimeter of both end access panels to remove panels from RTU as shown in **Figure 2**. Discard upper end access panel. Retain screws to be used later.

Step 3:

Remove the back access panel, return roof section, and back corner post as shown in **Figure 3**.

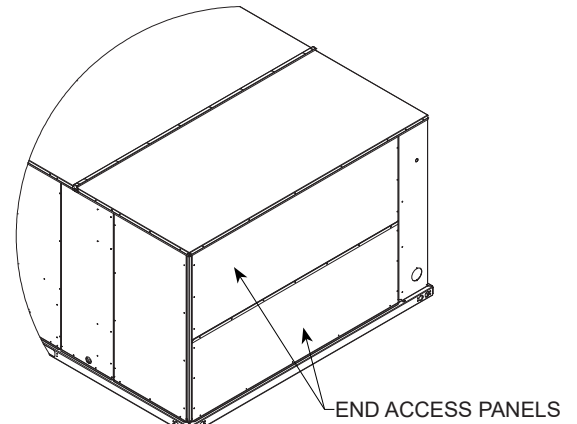


Figure 2

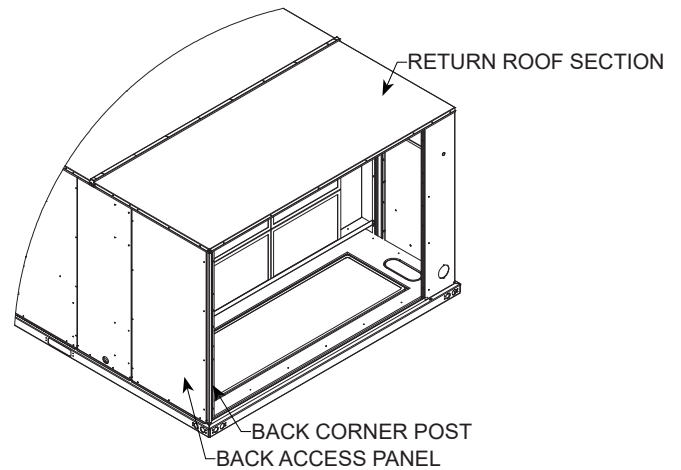


Figure 3

WARNING

When installing the economizer over the return air opening, a fall restraint should be utilized.

Step 4:

Install the economizer assembly so that the bottom of the economizer rests behind the return air opening embossment and the economizer is up against the back of the RTU control box. **See Figure 4.**

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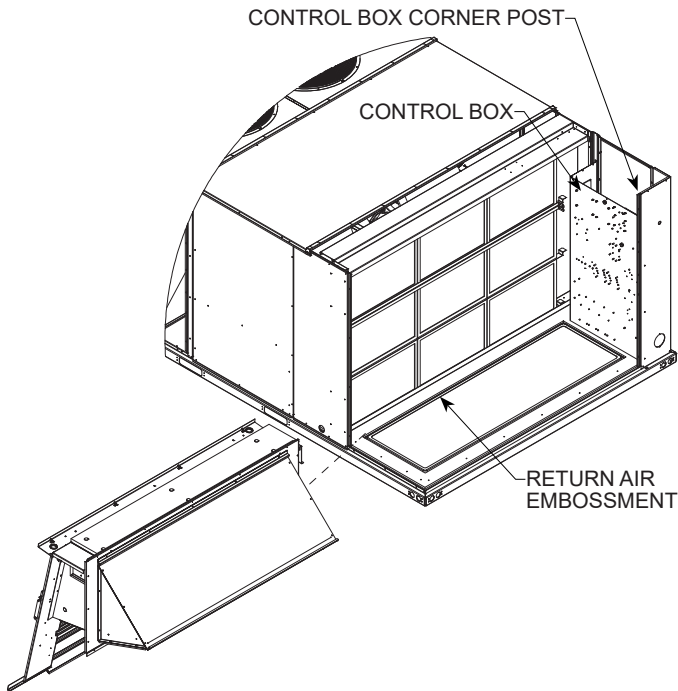


Figure 4

Step 5:

Prop up the economizer while fastening to the control box corner post.

Step 6:

Keep the economizer propped up while reinstalling the back corner post.

Step 7:

Route the wires from the economizer through the bushing provided in the back of the RTU control box. See **Figure 5** for 2EE04710524 or **Figure 6** for 2EE04710724.

Step 8:

Install return roof section.

2EE04710524

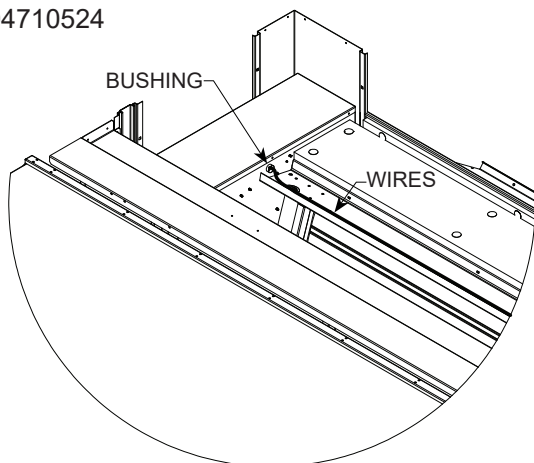


Figure 5

2EE04710724

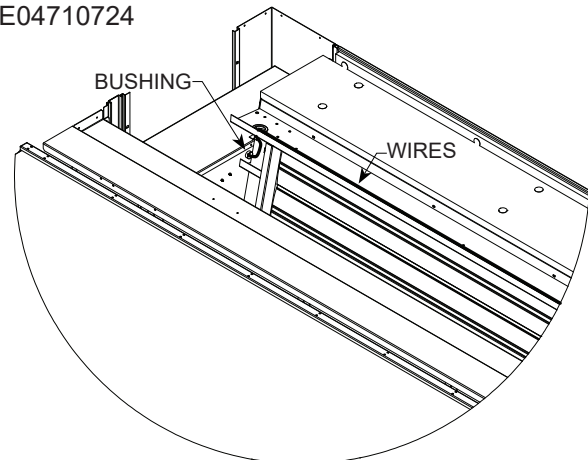


Figure 6

Step 9:

Connect the wires coming from the SA BUS terminals of the economizer controller to the UCB (or 4-stage board if applicable) in the RTU control box. Reference the RTU wiring diagram and the one provided in this document.

- 840/BLK connects to S15-2
- 841/WHT connects to S15-3
- 842/RED connections to S15-1

Step 10:

Connect the wires coming from the 24V-IN terminals of the economizer controller to the TB2 terminal block on the shelf in the RTU control box. Reference the RTU wiring diagram and the one provided in this document.

- 845/BRN connects to TB2-1
- 846/RED connects to TB2-3

Step 11:

Install back access panel.

Step 12:

Install lower access panel.

Step 13:

Final assembled unit should resemble **Figure 7**.

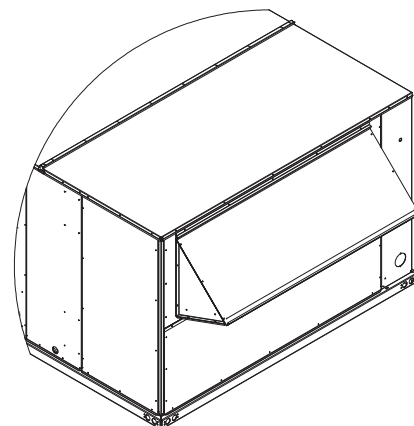


Figure 7

COMPONENT CODE

WIRE COLOR CODE

BLK	Black	BLU	Blue
BRN	Brown	GRN	Green
GRY	Gray	ORG	Orange
PNK	Pink	RED	Red
TAN	Tan	VIO	Violet
WHT	White	YEL	Yellow

