3.0 Thru 12.5-Ton Gas Electric & Self Contained Packaged Unit 3.0 Thru 12.5-Ton Packaged Heat Pumps RXRZ-A04

RECOGNIZE THIS SYMBOL AS AN INDICATION OF IMPORTANT SAFETY INFORMATION!

WARNING

THESE INSTRUCTIONS ARE INTENDED AS AN AID TO QUALIFIED SERVICE PERSONNEL FOR PROPER INSTALLATION, ADJUSTMENT AND OPERATION OF THIS KIT. READ THESE INSTRUCTIONS THOROUGHLY BEFORE ATTEMPTING INSTALLATION, ADJUSTMENT, OR OPERATION. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN IMPROPER INSTALLATION, ADJUSTMENT, SERVICE OR MAINTENANCE, POSSIBLY RESULTING IN FIRE, ELECTRICAL SHOCK, PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

Parts List		
Part Description	**Part Number**	**Quantity**
Low Ambient Control	47-21465-07	1
Accessory Relay	42-102234-01	1
Relay Mounting Screws	63-42109-03	2
Wire (Black) 8”	AS-50201-13-DD	1
Wire (Black) 8”	AS-50201-14-DJ	1
Wire (Blue) 20”	AS-50204-27-2J	1
Wire (Brown) 8”	AS-50207-13-DD	1
Wire Tie	64-17606-01	4
Installation Instructions	92-22046-14	1

WARNING

BEFORE BEGINNING ANY MODIFICATION, BE SURE MAIN DISCONNECT SWITCH IS IN THE “OFF” POSITION. FAILURE TO DO SO CAN CAUSE ELECTRICAL SHOCK RESULTING IN PROPERTY DAMAGE, PERSONAL INJURY OR DEATH. TAG DISCONNECT WITH A SUITABLE WARNING LABEL.

Gas Electric and Self-Contained Units

1. Low Ambient Switch Installation

a. Shut off power to unit (see warning above).

b. Remove control box access cover, outdoor top panel, and control box top (see Figure 1).

c. Remove brass cap from Schrader valve located next to the high pressure control (see Figure 2).

d. Screw Low Ambient control onto Schrader valve torque to 8-10 ft/lbs (see Figure 2). Use back-up wrench when attaching control to fitting.

2. Switch Electrical Connections

a. Route wires on the low ambient control across opening at control box top and through the opening in low voltage shield (see Figure 3).

b. Remove black outdoor fan motor wire from compressor contactor terminal (T1) and connect to low ambient wire with insulated male quick connect.

c. Connect the other low ambient wire to compressor contactor terminal (T1).

d. Refer to the wiring diagram 90-103089-08 or 90-10308909 located on control box access panel to verify proper electrical connections.

e. Secure loose wires with wire ties.

f. Replace control box top, outdoor top panel and control box access cover.

g. Restore power to unit and check for proper operation.

NOTE: RELAY AND WIRES PROVIDED IN KIT NOT REQUIRED ON GAS ELECTRIC AND SELF-CONTAINED MODELS.

Heat Pumps

1. Low Ambient Switch Installation

a. Shut off power to unit (see warning above).

b. Remove control box access cover, outdoor top panel, and control box top (see Figure 1).

c. Remove brass cap from Schrader valve located next to the high pressure control (see Figure 2).

d. Screw Low Ambient control onto Schrader valve torque to 8-10 ft/lbs (see Figure 2). Use backup wrench when attaching control to fitting.

e. Install accessory relay (AR) in control panel above defrost relay (DR) (see Figure 3).

2. Switch Electrical Connections

a. Route wires on the low ambient control across opening at control box top and through the opening in low voltage shield.

b. Remove black outdoor fan motor wire from DR (2).

c. Attach wire black wire (AS-50201-13-DD) to DR (2) and AR (1).

d. Attach wire black wire (AS-50201-14-DJ) un-insulated terminal to AR (3) and insulated end to insulated end of low ambient control wire.

e. Connect black outdoor fan motor wire to AR (3).

f. Connect the other low ambient wire to AR (1).

g. Connect brown wire (AS-50207-13-DD) to DR (coil) terminal with brown wire and AR (coil).

h. Connect blue wire (AS-50204-27-2J) un-insulated end to DR (coil) and insulated male quick-connect end to female insulated terminal on black reversing valve wire.

i. Refer to the wiring diagram 90-103232-02 located on control box access panel to verify proper electrical connections.

j. Secure loose wires with wire ties.

k. Replace control box top, outdoor top panel and control box access cover.

l. Restore power to unit and check for proper operation.

FIGURE 1

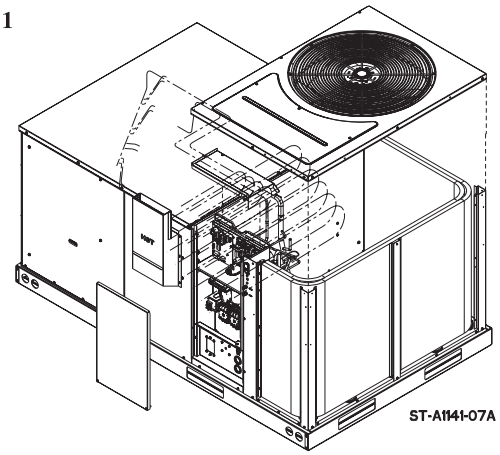


FIGURE 2

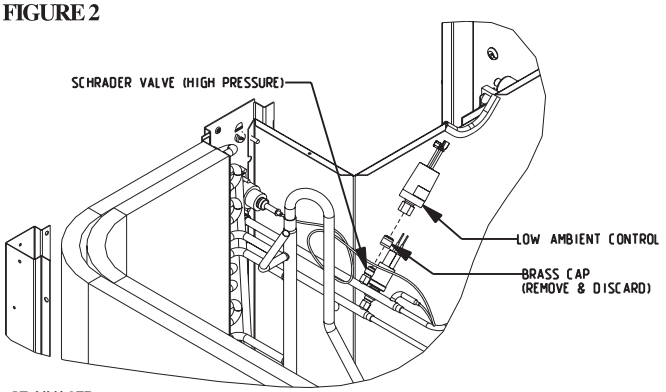
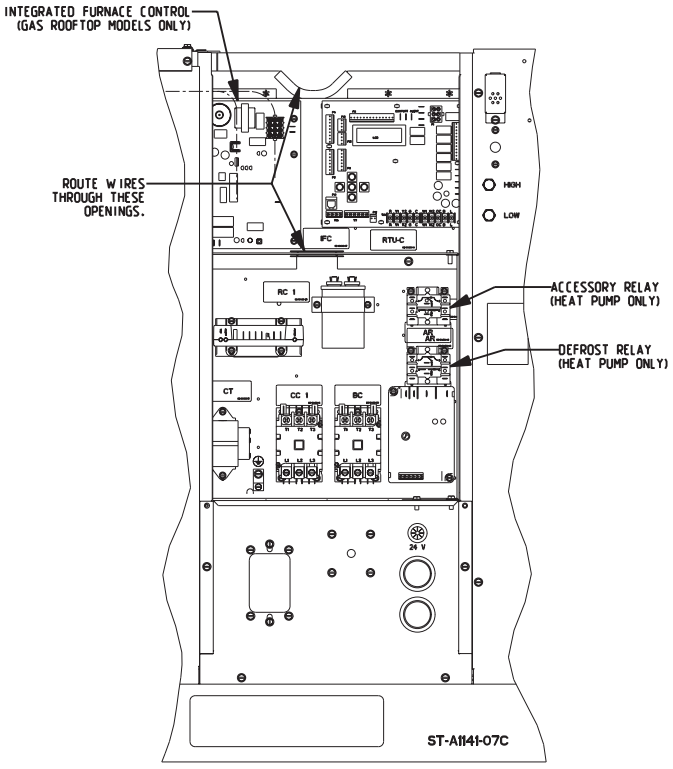


FIGURE 3



3.0 Thru 12.5-Ton
Gas Electric & Self Contained Packaged Unit
3.0 Thru 12.5-Ton
Packaged Heat Pumps
RXRZ-A04

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Gas Electric and Self-Contained Units

1. Low Ambient Switch Installation

e. Shut off power to unit (see warning above).

f. Remove control box access cover and outdoor compressor access panel.

g. Remove brass cap from Schrader valve located next to the high pressure control (see Figure 2).

h. Screw Low Ambient control onto Schrader valve torque to 8-10 ft/lbs (see Figure 2). Use back-up wrench when attaching control to fitting.

2. Switch Electrical Connections

h. Route wires on the low ambient control across opening at control box top and through the opening in low voltage shield (see Figure 3).

i. Remove black outdoor fan motor wire from compressor contactor terminal (T1) and connect to low ambient wire with insulated male quick connect. (Figure 1)

j. Connect the other low ambient wire to compressor contactor terminal (T1).

k. Refer to the wiring diagram located on control box access panel to verify proper electrical connections. (Also see Figure 1)

l. Secure loose wires with wire ties.

m. Replace control box top, outdoor top panel and control box access cover.

n. Restore power to unit and check for proper operation.

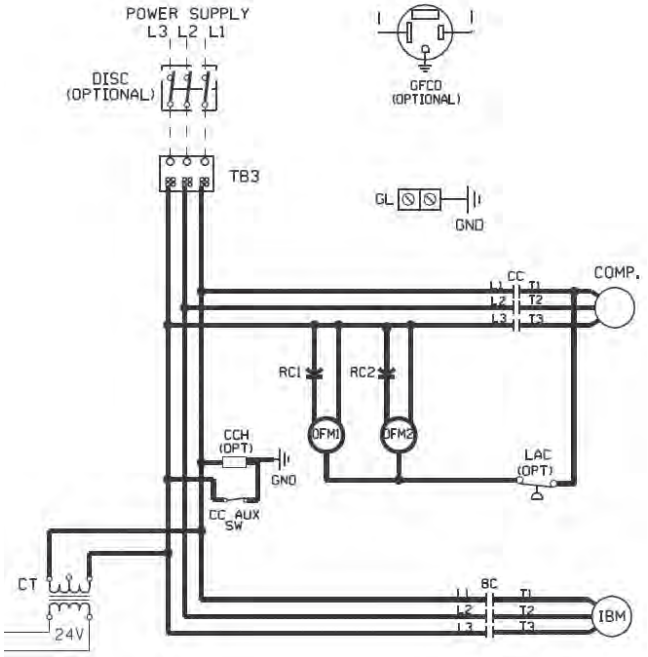
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Wire (Blue) 20"	AS-50204-27-E7-041	1
Wire (Brown) 8"	AS-50207-13-DD	1
Wire Tie	64-17606-01	4
Installation Instructions	92-22046-14	1

FIGURE 1

(Cooling Unit: Low Ambient Control Wiring)

{Ref: AC 230v – 575v Non DDC: 90-106177-21 //
GE 230v – 460v Non DDC: 90-106177-01,
GE 575v Non DDC: 90-106177-04 }



Heat Pumps

(Ref: 90-106177-41, 90-106178-41 // 90-106177-42, 90-106178-42)

1. Low Ambient Switch Installation

a. Shut off power to unit (see warning above).

b. Remove control box access cover and compressor access panel.

c. Remove brass cap from Schrader valve located next to the high pressure control (see Figure 2).

d. Screw Low Ambient control onto Schrader valve torque to 8-10 ft/lbs (see Figure 2). Use backup wrench when attaching control to fitting.

e. Install accessory relay (AR) in control panel to left of defrost relay (DR) (see Figure 3).

2. Switch Electrical Connections

a. Route wires on the low ambient control across the bottom of the control box and into the openings next to the contactor to access the main unit contactor.

b. Remove black outdoor fan motor wire from DR (2).

c. Attach wire black wire (AS-50201-13-DD) to DR (2) and AR (1).

d. Attach wire black wire (AS-50201-14-DJ) un-insulated terminal to AR (3) and insulated end to insulated end of low ambient control wire.

e. Connect black outdoor fan motor wire to AR (3).

f. Connect the other low ambient wire to AR (1).

g. Connect brown wire (AS-50207-13-DD) to DR (coil) terminal with brown wire and AR (coil) right side.

h. Connect blue wire (AS-50204-27-2J) un-insulated end to DR (coil) and insulated male quick-connect end to female insulated terminal on black reversing valve wire.

i. Refer to the wiring diagram 90-106177-41 located on control box access panel to verify proper electrical connections

j. Secure loose wires with wire ties.

k. Replace outdoor compressor access panel and control box access cover.

l. Restore power to unit and check for proper operation.

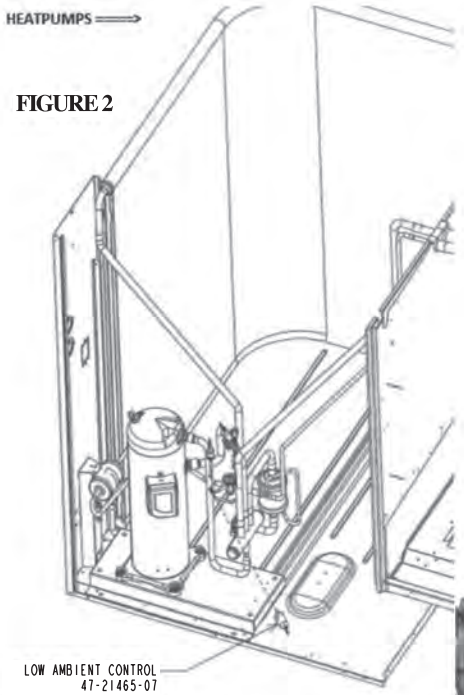
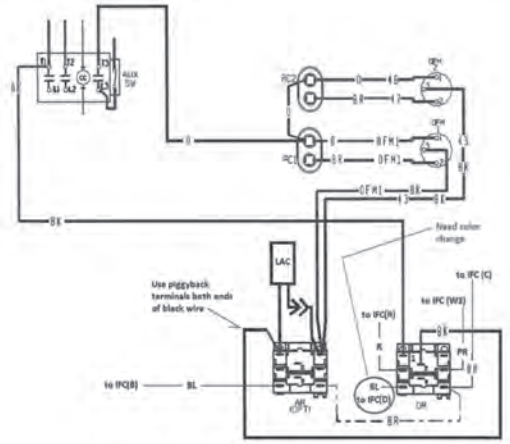


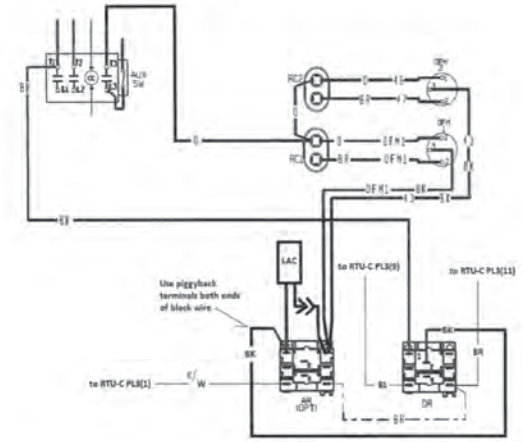
FIGURE 2



HEATPUMP w/ LAC

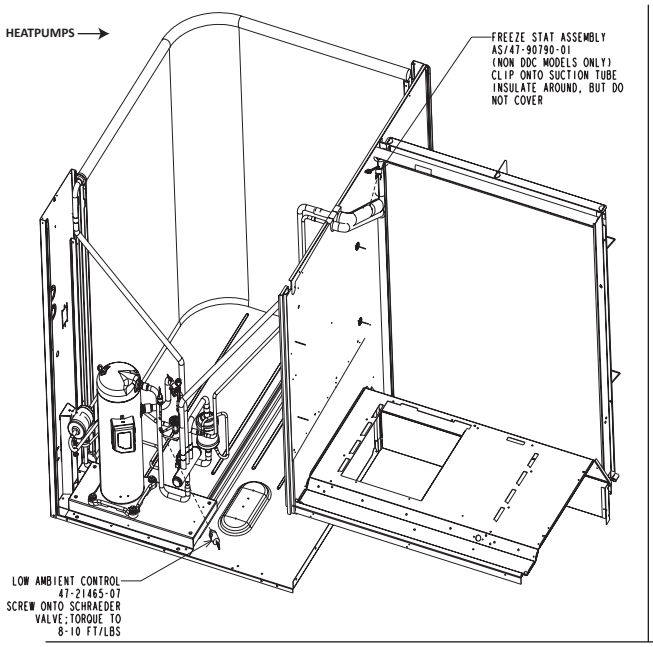
FIGURE 3

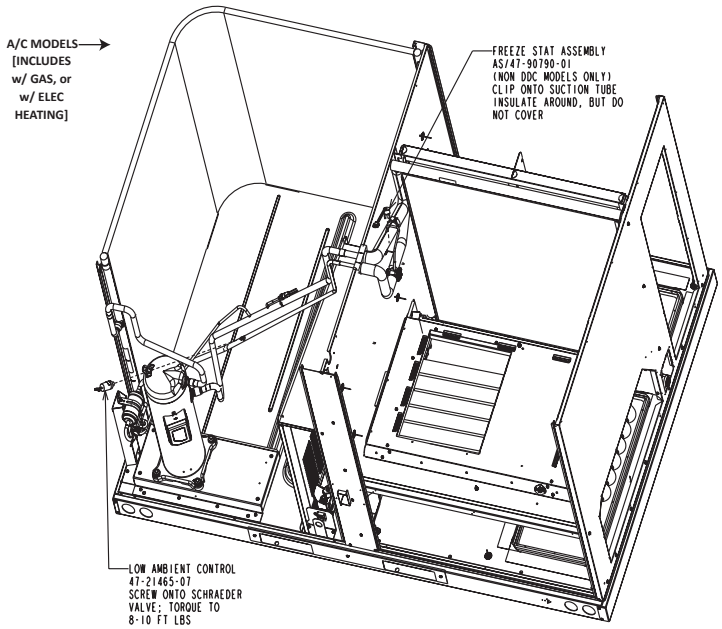




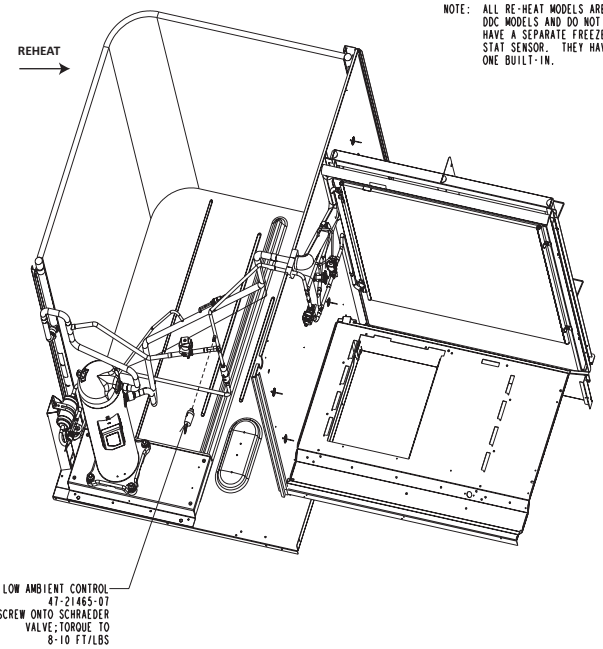


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NOTE: ALL RE-HEAT MODELS ARE DDC MODELS AND DO NOT HAVE A SEPARATE FREEZE STAT SENSOR. THEY HAVE ONE BUILT-IN.



NOTE:

1. **LOW AMBIENT CONTROL (LAC) IN 1 REFRIGERATION CIRCUIT OF 3 TON THROUGH 10 TON UNITS. 12.5 TON UNITS HAVE LAC APPLIED TO 2 CIRCUITS [EACH COMPRESS CIRCUIT].**
2. **WIRES TO BE ROUTED TO CONTROL BOX**