INSTALLATION INSTRUCTIONS
MODEL RXRD / RXRE
ECONOMIZER

Recognize this symbol as an indication of Important Safety Information!

RXRD-CAM10 / RXRE-CAA30 Economizers are used with RQ*A/RS*A/RR*A 018-0460 units for automatic sensor-controlled introduction of outdoor air into the system through an electro-mechanically controlled damper.

FILTER ACCESS SIZE	UNIT SIZE
4.312 x 18.250	018-042
9.375 x 18.250	048-060

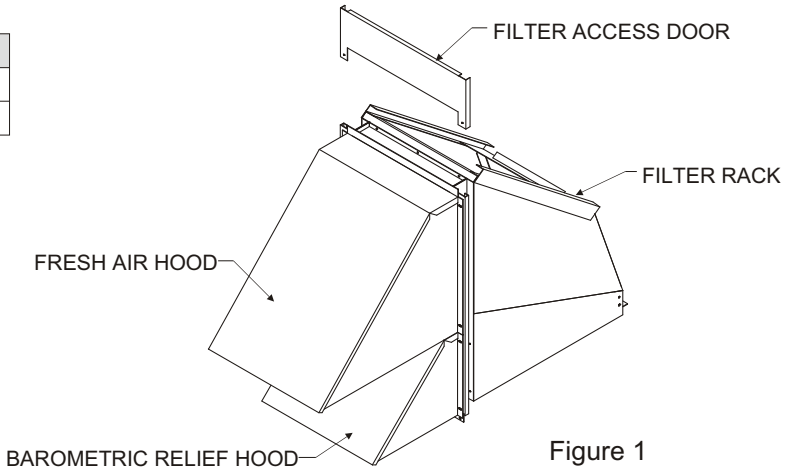


Figure 1

Step 1:
Check for correct number of parts. See list below.

1 - Economizer Assembly w/ Filter
2 - Filter Access Door (See Chart for Size)
1 - Outdoor Air Hood (Attached to Economizer)
1 - Wiring Diagram Sticker
2 - Bushing .562 ID to .875 OD (304210)

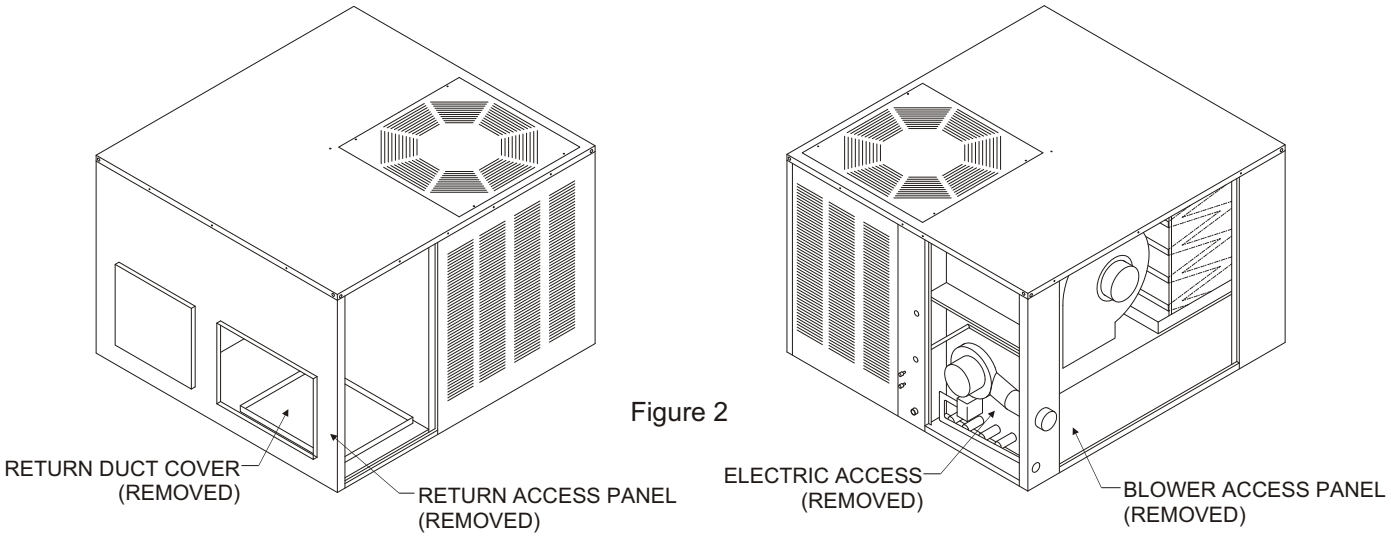


Figure 2

WARNING:
Disconnect electrical power to the unit. Failure to do so can cause electrical shock resulting in personal injury or death.

Step 2:
Remove the return access panel and the return duct cover. **See Figure 2**.

Step 3:
Remove the blower access panel and the electrical access panel's.

Step 4:
Remove the return air access panel. **See Figure 2.**

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Step 5:
Optional wiring methods.

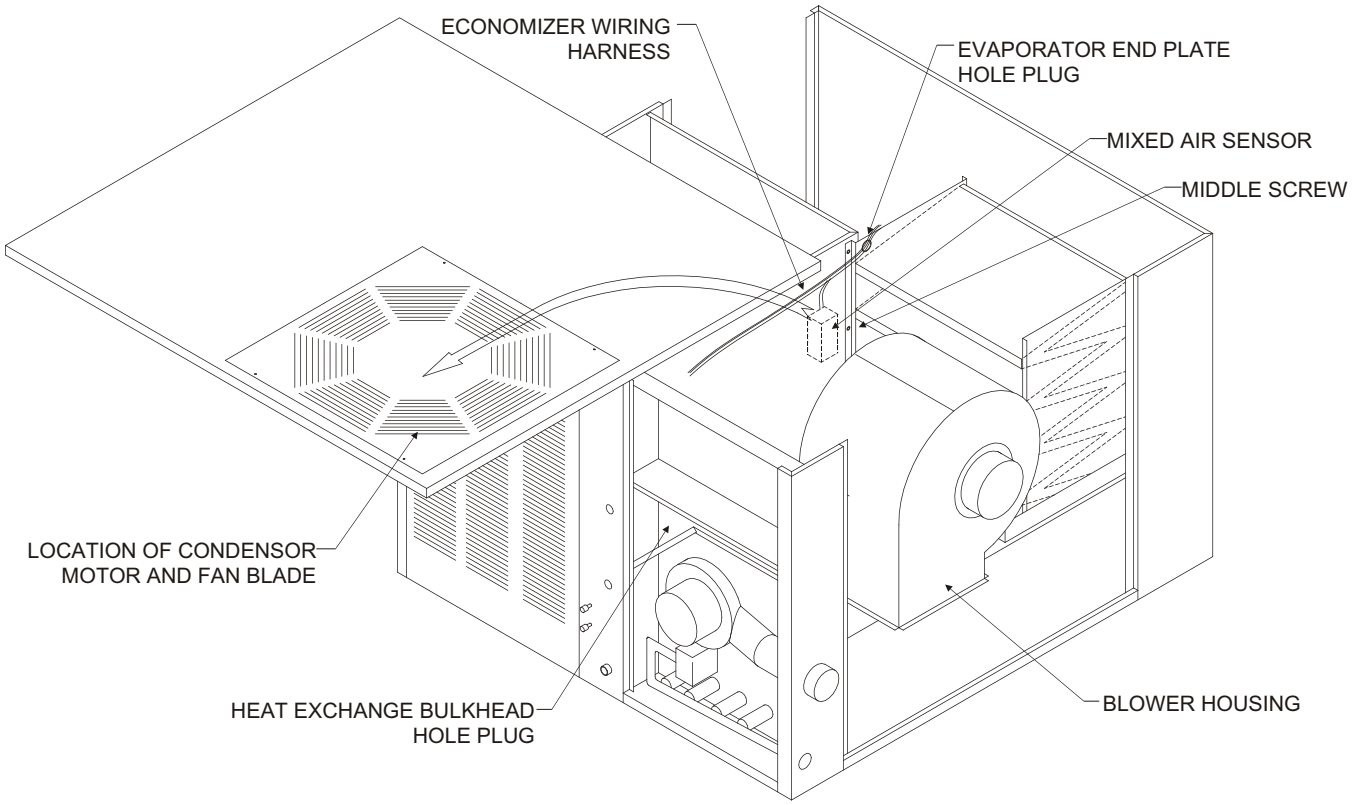


Figure 3

Method A

1. Remove all the screws from the perimeter of the top and screw in center of top.
2. Lift up approximately 8" and rotate 90 degrees, then set top down on the unit. **"IMPORTANT DO NOT LET TOP REST ON MOTOR OR FAN BLADE!"**
3. Push out hole plugs from the heat exchanger mounting bulkhead and from the top of the evaporator endplate.
4. Install the mixed air sensor, remove the middle screw from the coil support then place the through hole on the sensor mount and reinstall screw. Connect gray wire's to mixed air sensor terminals.
5. Lift and rotate the top back into place and secure with same screws.

Method B

1. Unplug wires from the limit control (Gas Heat Only) and the blower motor.
2. Remove 2 screws securing the blower housing to the blower shelf.
3. Slide the blower out of the unit.
4. Push out hole plugs from the heat exchanger mounting bulkhead and from the top of evaporator endplate.
5. Install the mixed air sensor, remove middle screw from coil support then place through hole on sensor mount and reinstall screw. Connect gray wire's to mixed air sensor terminals.
6. Slide blower back into the unit.
7. Secure blower housing with 2 screws removed earlier.
8. Plug wires back onto limit control (Gas Heat Only) and blower motor. Refer to unit wiring diagram for proper wiring connections.

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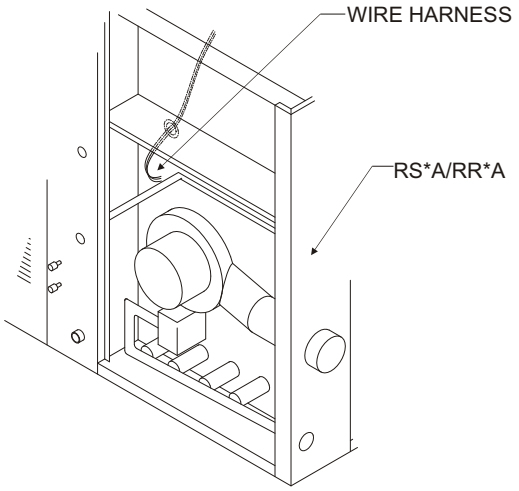


Figure 4

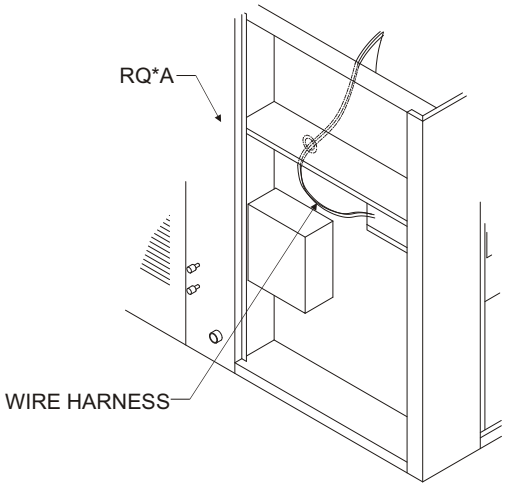


Figure 5

Step 6:
Route wire's through the division wall and into designated location shown above, then connect as shown in the wiring diagram. Shown on back page. Replace removed panels and secure.

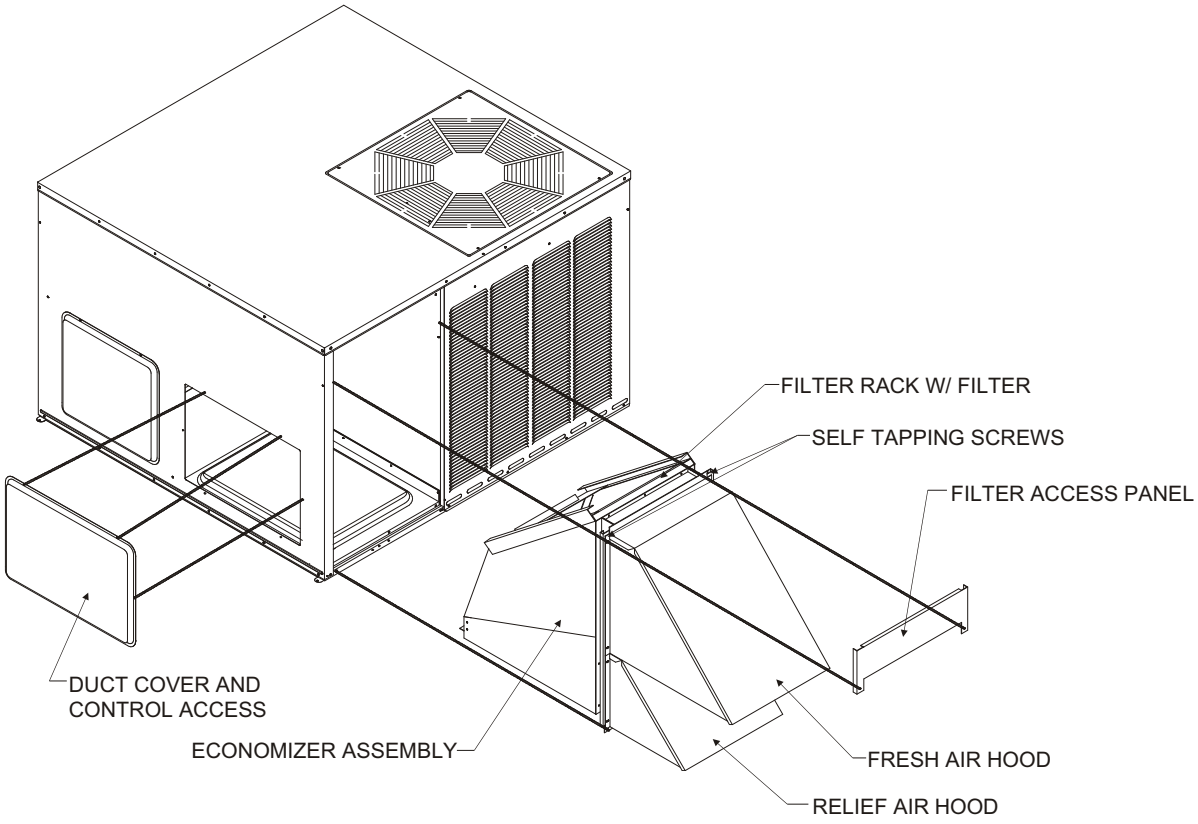
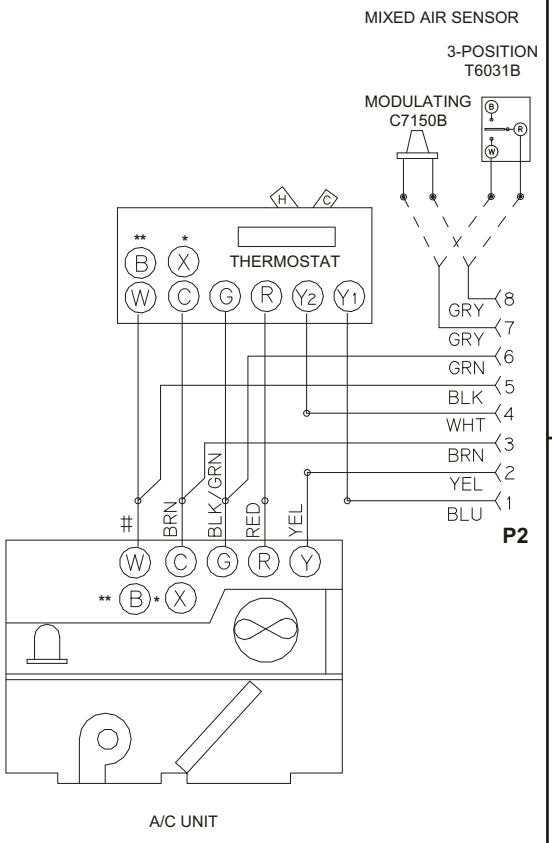


Figure 6

Step 7:
Slide the economizer assembly in place and secure with ½ x 10 self tapping screws provided. Connect the plug on the economizer to the plug on the harness. Place all other removed panels including filter access panel.

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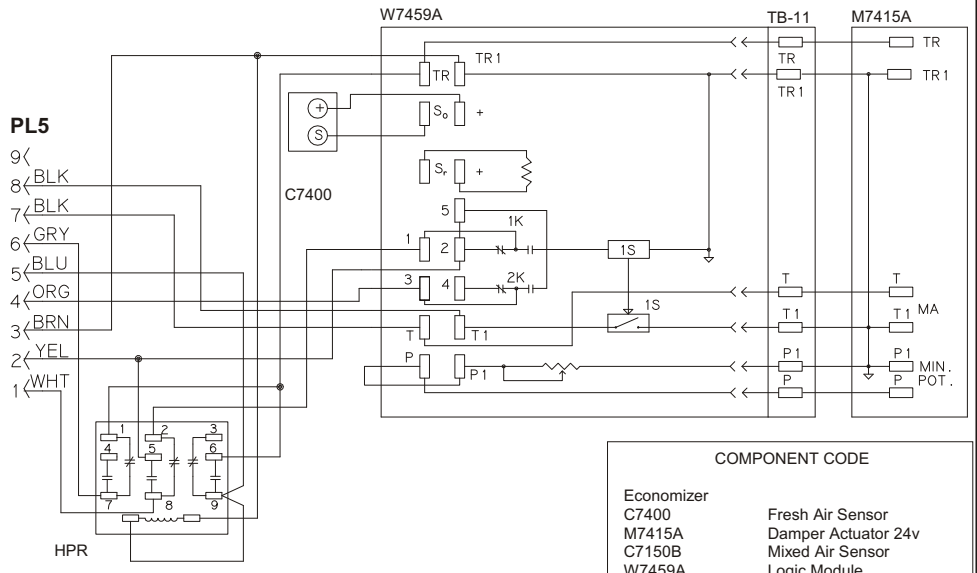


NOTE:
* THE "C" TERMINAL IS REPLACED WITH "X" TERMINAL ON HEAT PUMP AND SELF-CONTAINED.

** THE "W" TERMINAL IS REPLACED WITH "B" TERMINAL ON HEAT PUMP.

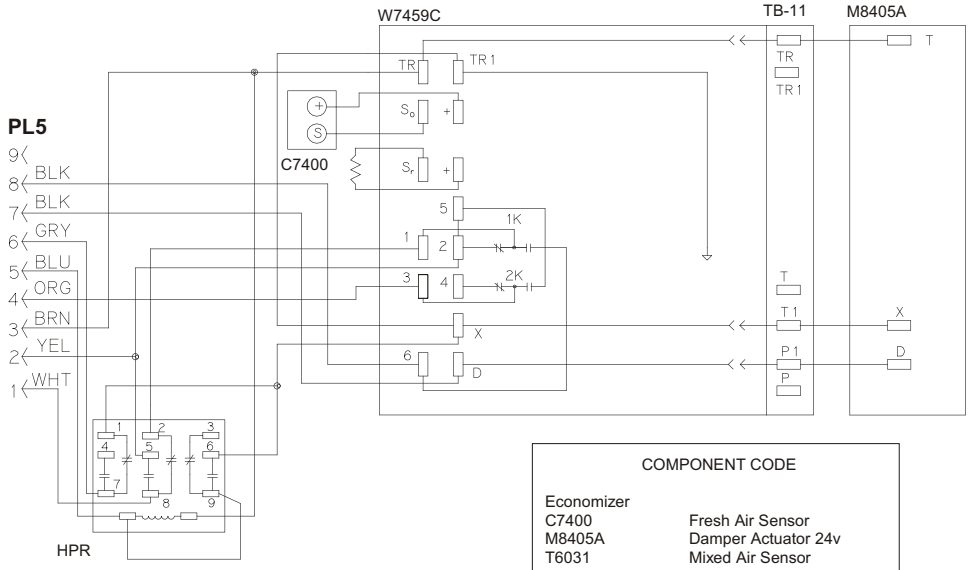
\# UNIT L.V. PIGTAIL "BK/WH" ON A/C UNITS AND "BL" ON HEAT PUMP.

MODULATING CONTROLS SYSTEMS



COMPONENT CODE	
Economizer	
C7400	Fresh Air Sensor
M7415A	Damper Actuator 24v
C7150B	Mixed Air Sensor
W7459A	Logic Module
TB-11	Logic Terminal Board
HPR	Heat Pump Relay

3-POSITION CONTROLS SYSTEMS



COMPONENT CODE	
Economizer	
C7400	Fresh Air Sensor
M8405A	Damper Actuator 24v
T6031	Mixed Air Sensor
W7459C	Logic Module
TB-11	Logic Terminal Board
HPR	Heat Pump Relay

Notes:
1. Unit wiring shown as reference only. Check unit wiring for actual unit wiring.
2. Relays 1K and 2K actuate when the Outdoor Air Enthalpy is lower than the Return Air Enthalpy.
3. 1S is an electronic switch which closes when powered by a 24 VAC input. (Modulating)
4. Factory installed resistor should be removed only if C7400 Differential Enthalpy Sensor is added.
5. Y2 must be energized for the compressor to operate.

SUPERCEDES 06-17-98
OCTOBER 7, 2004

RMIEC21