

Installation Guide

Condenser Coil Header Bracket

Model Number

KIT15449

Used With

T/YC*241E**(M/N/P/R)A* (with reheat)

T/YC*300E**(O/A/B/C/F/G)B*


T/YC*301E**(O/A/B/C/F/G/H/J/K/L)A*


Warnings, Cautions and Notices

Warnings, Cautions and Notices. Note that warnings, cautions and notices appear at appropriate intervals throughout this manual. Warnings are provided to alert installing contractors to potential hazards that could result in personal injury or death. Cautions are designed to alert personnel to hazardous situations that could result in personal injury, while notices indicate a situation that could result in equipment or property-damage-only accidents.

Your personal safety and the proper operation of this machine depend upon the strict observance of these precautions.

ATTENTION: Warnings, Cautions and Notices appear at appropriate sections throughout this literature. Read these carefully.

 **WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION:** Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It could also be used to alert against unsafe practices.

NOTICE: Indicates a situation that could result in equipment or property-damage only accidents.

NOTICE

Check the label on the kit to make sure it corresponds to the unit model number. Never install this kit on units not listed on the kit label.

NOTICE

Improper installation or miss-applying this kit can result in an ineffective fix and cause early discharge line failure.

NOTICE

All brackets and weights in this kit must be installed.

Parts List

KIT15449 Voyager 2 R410A bracket kit

- 1 Base Bracket for R410A units
- 1 Tube to Tube Bracket
- 5 7/8" Tube Clamp
- 12 1/4" Flange Nuts
- 3 #10 Sheet Metal Screws
- 1 Installation Instructions
- 2 Weights

Required Tools

- 7/16" box end ratchet wrench
- 5/16" magnetic bit
- 10" magnetic bit extension.
- Battery operated drill motor
- Magnetic Pick up Tool

Installation

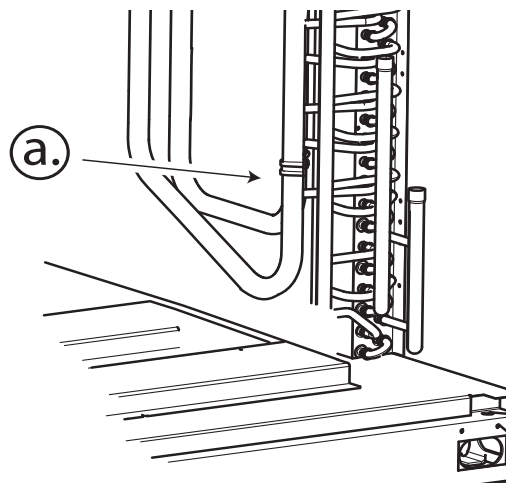
⚠️ WARNING

Hazardous Voltage W/ Capacitors!

Disconnect all electric power, including remote disconnects and discharge all motor start/run capacitors before servicing. Follow proper lockout/tagout procedures to ensure the power can not be inadvertently energized. Verify with an appropriate voltmeter that all capacitors have discharged. Failure to disconnect power and discharge capacitors before servicing could result in death or serious injury.

1. Remove old "handcuff clamps" if installed. (See [Figure 1.](#))

Figure 1. Handcuff clamp location



- a. Handcuff clamps (if present).

2. Install tube to tube bracket finger tight using the tube clamps provided. The tube to tube bracket should be as low on the two circuits as possible and before the radius on circuit #1 or circuit #2 (whichever is closer). See [Figure 2.](#)

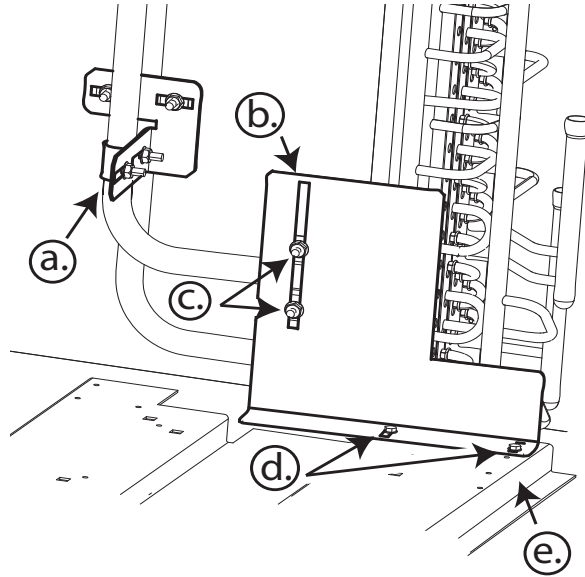
Note: It may be necessary to gently bring together or spread apart circuit #1 and circuit #2.

3. Tighten all 1/4" flange nuts to 90 in. lbs. to prevent any movement between the discharge lines, brackets and clamps.
4. Install base bracket by installing the tube clamp on circuit #1 discharge header tube. Align the base bracket to the tube clamp and install the 1/4" flange nuts finger tight on circuit #1. See [Figure 2.](#)

Note: It's best to install the tube clamps finger tight until the base bracket is secured using the #10 sheet metal screws and then go back and tighten the 1/4" flange nuts.

Allow the base bracket to align itself with the #1 circuit discharge tube. The base bracket and circuit #1 discharge header should run parallel to each other once installed. See [Figure 2.](#)

Figure 2. Base bracket installation



- a. Bottom of tube to tube clamp close to highest tube radius.
- b. Base bracket parallel to #1 circuit.
- c. Install 1/4" flange nuts finger tight until base bracket bottom is secured with #10 sheet metal screws. After base bracket is installed, fully tighten the 1/4" flange nuts on clamp (after clamp is seated against the bracket continue to tighten 1/4 turn).
- d. Attach base bracket to compressor mounting base with 2 #10 sheet metal screws.
- e. Base bracket **must** be installed on the compressor mounting base or leaks will occur.

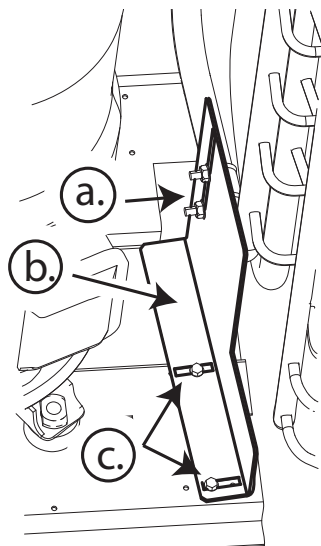
- 5. Drive 2 #10 sheet metal screws to attach the base bracket to the compressor mounting panel. See [Figure 3](#) for screw locations.

Note: The base bracket must be installed on the compressor mounting base or leaks will occur. Never penetrate the base pan of the unit or the water tight integrity of the unit will be compromised.

- 6. Tighten the two 1/4" flange nuts to fully seat tube clamp to the bracket plus 1/4 turn (90 inch pounds).

Note: Clamp nuts and base screws must be properly tightened to insure they do not come loose in running. If a screw strips, add an additional screw.

Figure 3. Screw locations



- a. Vertical plate must be flat against and parallel to header tube.
- b. Horizontal plate must be flat against the compressor mounting base.
- c. Two #10 sheet metal screws must be screwed into compressor mounting or leaks will occur.

7. Install two weights on the discharge lines in the locations shown in Figure 5 and Figure 6, depending on the unit model.

NOTICE

Improper location or attachment of the weights will lead to running vibration failures.

The weights must be at the correct section of the tube. The edge of the weight is placed close to the bend radius. Use one tube clamp to attach each weight (as shown in Figure 4). Make sure that the weight is clear of the compressor.

Note: All weights are installed with the edge close to the bend radius (within one inch Figure 4).

Tighten the flange nuts to 90 inch pounds to assure that the clamp and weight will not become loose.

Figure 4. Weight assembly

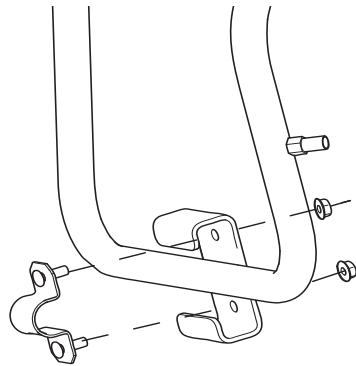
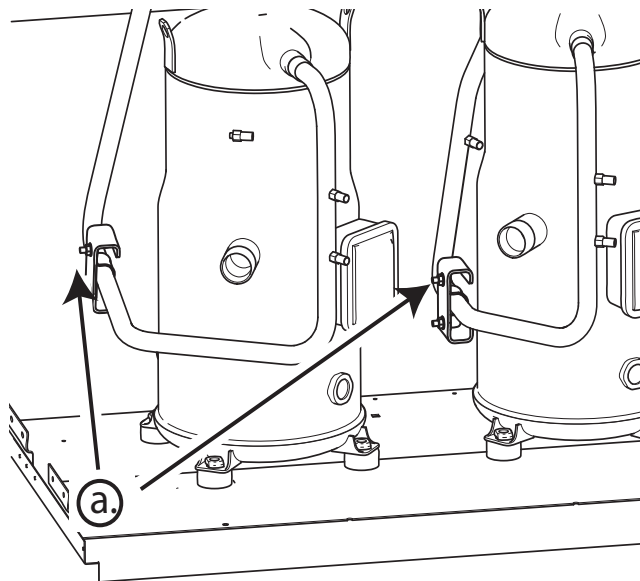
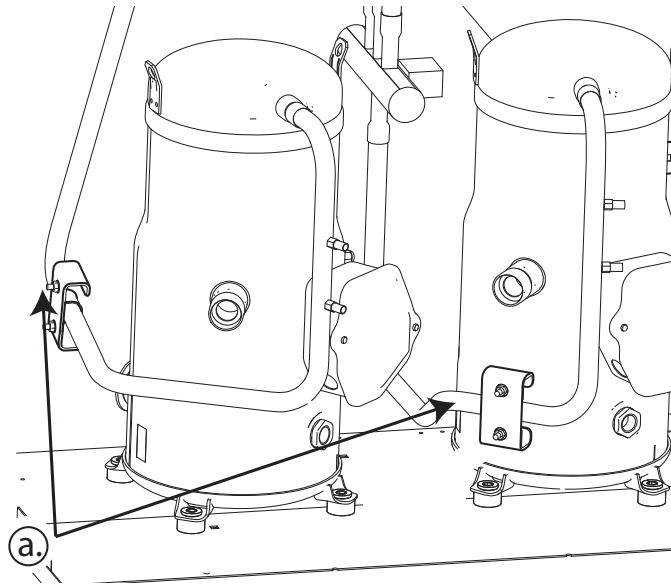


Figure 5. Weight locations for T/YC*300E and T/YC*301E



- a. Position weights just before the fourth bend after the compressor, within one inch of the bend radius, and clear of compressor.

Figure 6. Weight locations for T/YC*241E(M/N/P/R)**



- a. Position weights within one inch of the bend radius and clear of compressor.

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Date	June 2009
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Supersedes	NEW
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The manufacturer has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice. Only qualified technicians should perform the installation and servicing of equipment referred to in this literature.