INSTALLATION INSTRUCTIONS

FOR REPLACEMENT COILS USED IN AIR HANDLERS

(-)CH: featuring Industry-Standard R-410A Refrigerant

RECOGNIZE THIS SYMBOL AS AN INDICATION OF IMPORTANT SAFETY INFORMATION!

⚠WARNING

These instructions are intended as an aid to qualified licensed service personnel for proper installation, adjustment and operation of this unit. Read these instructions thoroughly before attempting installation or operation. Failure to follow these instructions may result in improper installation, adjustment, service or maintenance possibly resulting in fire, electrical shock, property damage, personal injury or death.

c UL us LISTED

Accredited by the RvA

ABS Quality Evaluations, Inc. Management System Certification

ANAB ACCREDITED

ISO 9001:2008

Certificate Number: 30164

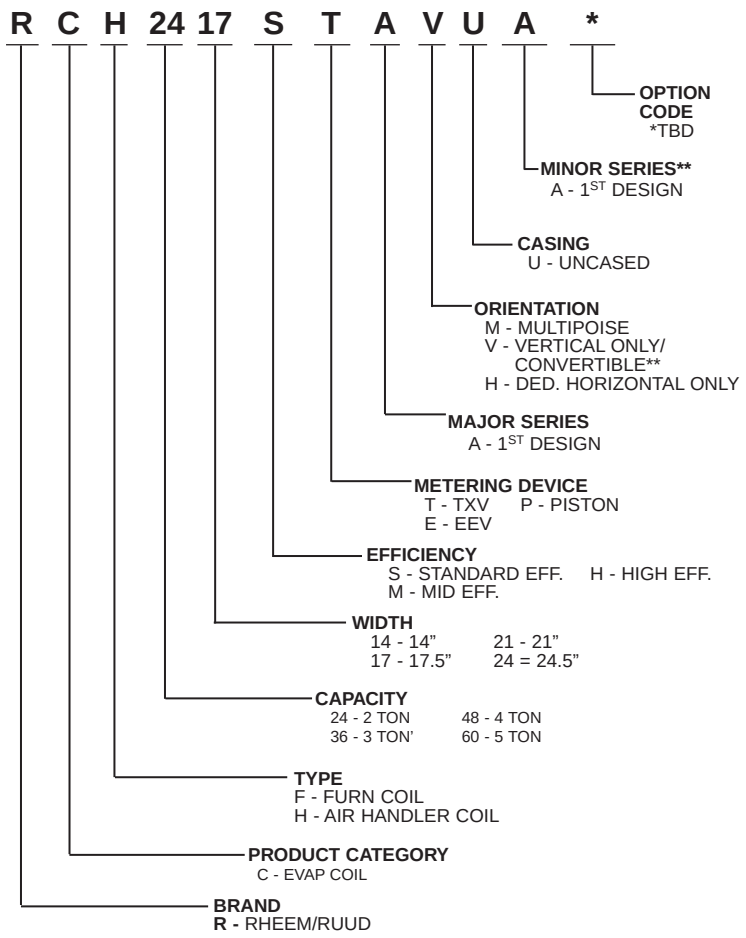
DO NOT DESTROY THIS MANUAL

PLEASE READ CAREFULLY AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE BY A SERVICEMAN

92-100105-14-03

SUPERSEDES 92-100105-14-02

FIGURE 1
MODEL NUMBER EXPLANATION



"All replacement coils for HM and AU air handler applications will be HU."

**Convertible to horizontal using parts from original coil or using RXHH horizontal adapter kit.

GENERAL

(-)CH is a replacement only uncased coil. (-)CH- replacement coils are used only in (-)HKL, (-)HLL, (-)HLP, (-)HML, (-)HPL, (-)HPN, (-)HSL, (-)H1P, (-)H1T, (-)H2T, (-)H1V, and (-)H2V R410A air handlers.

For horizontal applications, a horizontal drip shield and water management parts (see Figure 2) must be installed to catch excess condensate drainage.

COIL END SHIELDS

All uncased replacement coils come equipped from the factory with sheet metal shields at the front and rear of the coil. The purpose of these shields is to isolate the aluminum tubing from copper residue left on the foil insulation by the original copper tube coil. Copper residue or copper oxide in contact with the aluminum tubing in the presence of moisture will result in galvanice corrosion and leaks in the aluminum tube at the contact point. The shields must be in place on the coil when replacing a copper tube coil to prevent the galvanic corrosion.

FIGURE 2

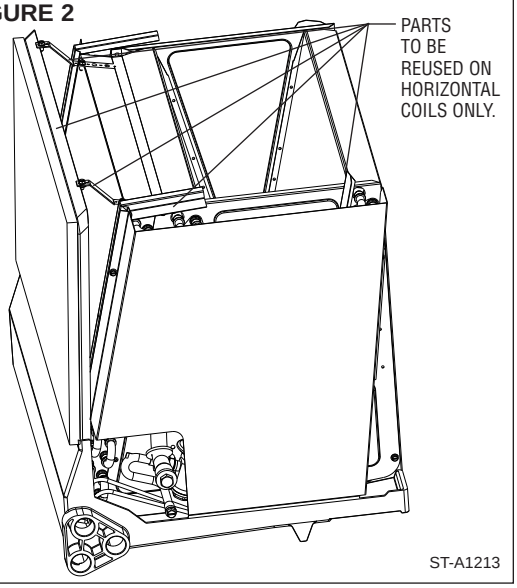


TABLE 1
R-410A UNCASED COILS: (-)CSL- ACCESSORY INFORMATION

Replacement R-410A Uncased Coil	Original Coil	Horizontal Adapter Kit Model Number
RCH2417STAVUA	RCSL-HU2417CU	RXHH-A02
RCH2421MTAVUA	RCSL-HU2621CU	RXHH-A03
RCH3617STAVUA	RCSL-HU3617CU	RXHH-A03
RCH3621STAVUA	RCSL-HU3621CU	RXHH-A03
RCH3621MTAVUA	RCSL-HU3821CU	RXHH-A04
RCH3624MTAVUA	RCSL-HU3824CU	RXHH-A04
RCH4821STAVUA	RCSL-HU4821CU	RXHH-A04
RCH4824STAVUA	RCSL-HU4824CU	RXHH-A04
RCH6024STAVUA	RCSL-HU6024CU	RXHH-A05
RCH2421HTAVUA	RCSN-HU2421CU	RXHH-A03
RCH3624HTAVUA	RCSN-HU3624CU	RXHH-A05
RCH4824HTAVUA	RCSN-HU4824CU	RXHH-A05
RCH6024HTAVUA	RCSN-HU6024CU	RXHH-A05
RCH2417SPAVUA	RCSP-HU2417CU	RXHH-A02
RCH3617SPAVUA	RCSP-HU3617CU	RXHH-A03
RCH4821SPAVUA	RCSP-HU4821CU	RXHH-A04

FIGURE 3
BULB LOCATION

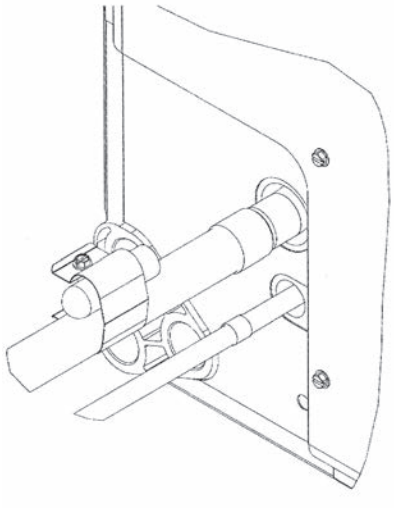
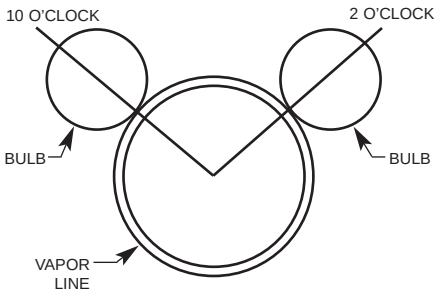


FIGURE 4
BULB LOCATION



REFRIGERANT CONNECTIONS

Keep the coil connections sealed until refrigerant connections are to be made. See the Installation Instructions for the outdoor unit for details on line sizing, tubing installation, and charging information.

Coil is shipped with a low (5 - 10 PSIG) pressure charge of dry nitrogen. Evacuate the system before charging with refrigerant.

Install refrigerant tubing so that it does not block service access to the front of the unit.

Nitrogen should flow through the refrigerant lines while brazing.

Use a brazing shield to protect the cabinet's paint from being damaged by torch flames.

After the refrigerant connections are made, seal the gap around the connections with pressure sensitive gasket. If necessary, cut the gasket into two pieces for a better seal.

TEV SENSING BULB

IMPORTANT: DO NOT perform any soldering with the TEV bulb attached to any line.

After soldering operations have been completed, clamp the TEV bulb securely on the suction line at the 10 to 2 o'clock position with the strap provided in the parts bag.

Insulate the TEV sensing bulb and suction line with the provided pressure sensitive insulation (size 4" x 7") and secure with provided wire ties.

IMPORTANT: TEV sensing bulb should be located on a horizontal section of copper suction line, just outside of coil box. The copper sensing bulb must never be placed on any aluminum tube as this will result in galvanic corrosion and eventual failure of the aluminum tube.