



Installation

R'newal™ Service Program Low Pressure Switch Option - RTAA



Models: RTAA using 022101780100

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Installation

Literature Change History

PART-SVN95A-EN (August 2005), manual first release.

About this manual

The tables and figures which follow should be used to identify the items and quantities that ship with the R'newal™ service program kits.

Warnings and cautions

NOTICE: Warnings and Cautions 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, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

CAUTION: Indicates a situation that may result in equipment or property-damage only accidents.

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Figure 2. (p. 4) shows a modified wiring diagram that would be used to determine the necessary wiring modifications. These apply to a typical RTAA unit. Original unit wiring can be found in the RTAA-W-2 manual. Table 1. provides the quantity of items that ship with the kit.

Table 1. 022101770100 components, RTAA

Part number	Description	Qty
CNT01317	Low pressure control, open at 7 psig and close at 22 psig	2
VAL02625	Refrigerant access valve, 1/4 inch NPTE	2
X39002555010	Low pressure switch modification label	1

⚠ WARNING **Hazardous Voltage!**

Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power can not be inadvertently energized. Failure to disconnect power before servicing could result in death or serious injury.

Responsible Refrigerant Practices!

Trane believes that responsible refrigerant practices are important to the environment, our customers, and the air conditioning industry. All technicians who handle refrigerants must be certified. The Federal Clean Air Act (Section 608) sets forth the requirements for handling, reclaiming, recovering and recycling of certain refrigerants and the equipment that is used in these service procedures. In addition, some states or municipalities may have additional requirements that must also be adhered to for responsible management of refrigerants. Know the applicable laws and follow them.

WARNING

Contains Refrigerant!

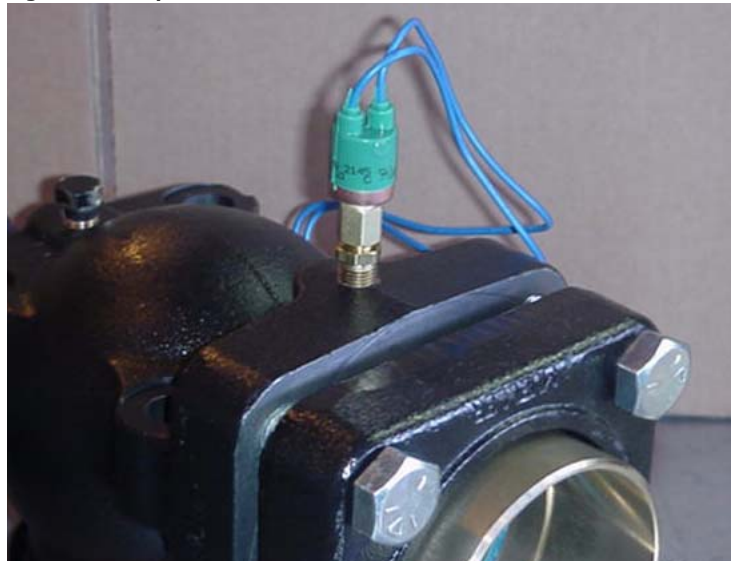
System contains oil and refrigerant and may be under positive pressure. Recover refrigerant to relieve pressure before opening the system. See unit nameplate for refrigerant type. Do not use non-approved refrigerants, refrigerant substitutes, or refrigerant additives.

Failure to follow proper procedures or the use of non-approved refrigerants, refrigerant substitutes, or refrigerant additives could result in death or serious injury or equipment damage.

The basic steps to install the low pressure switch are listed below. In many cases the switch will be installed at the time of compressor installation. Use safe refrigeration and electrical service practices.

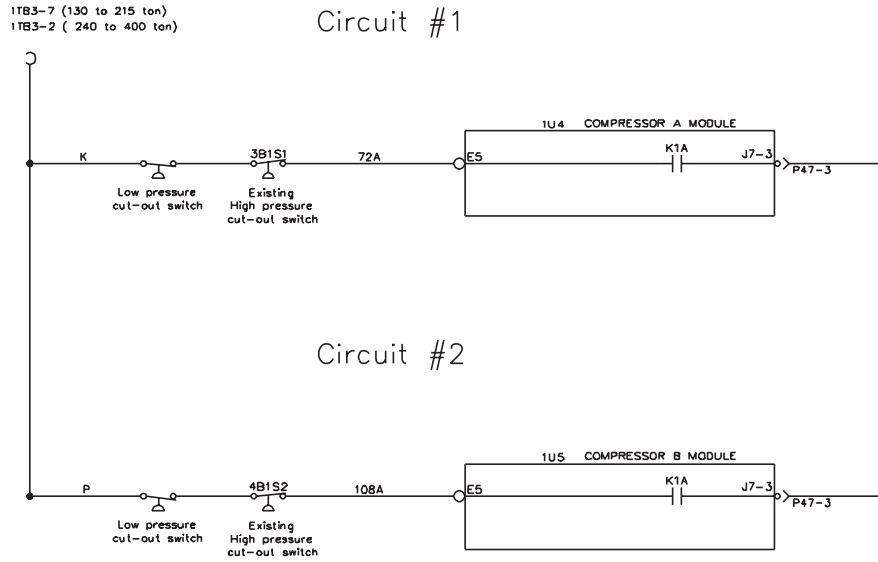
- 1 Isolate the compressor and remove charge.
- 2 Install low pressure switch in the suction service valve as per Figure 1.
- 3 Wire the switch as per the diagram in Figure 2. (p. 4).
- 4 Evacuate the compressor.
- 5 Open all valves.

Figure 1. Low pressure switch installed



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Figure 2. Wiring schematic for low pressure switch addition



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Trane has a policy of continuous product data and product 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 bulletin.