



**COMPRESSOR SERVICE REPLACEMENT KIT
P/N 629097208 (UC 700, 115/60, AIR COOLED)
Installation Instructions**

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The products, technical information, and instructions contained in this manual are subject to change without notice.

These instructions are not intended to cover all details or variations of the equipment, nor to provide for every possible contingency in the installation, operation or maintenance of this equipment. This manual assumes that the person(s) working on the equipment have been trained and are skilled in working with electrical, plumbing, pneumatic, and mechanical equipment. It is assumed that appropriate safety precautions are taken and that all local safety and construction requirements are being met, in addition to the information contained in this manual.

This Product is warranted only as provided in Cornelius' Commercial Warranty applicable to this Product and is subject to all of the restrictions and limitations contained in the Commercial Warranty.

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Contact Information:

To inquire about current revisions of this and other documentation or for assistance with any Cornelius product contact:

www.cornelius-usa.com

800-238-3600

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This document contains the original instructions for the unit described.

CORNELIUS INC
101 Regency Drive
Glendale Heights, IL
Tel: + 1 800-238-3600

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COMPRESSOR SERVICE REPLACEMENT KIT

SAFETY



WARNING:

Before starting installation, read and understand all safety label and warnings on the machine. Also review and understand all safety instructions in the owners, installation and service manuals.

Failure to comply could result in serious injury, death or damage to the equipment.

QUALIFIED SERVICE PERSONNEL



WARNING:

Only trained and certified electrical, plumbing and refrigeration technicians should service this unit.

All wiring and plumbing must conform to national and local codes. Failure to comply could result in serious injury, death or equipment damage.

SAFETY PRECAUTIONS

This unit has been specifically designed to provide protection against personal injury. To ensure continued protection observe the following:



WARNING:

Disconnect power to the unit before servicing. Follow all lock out/tag out procedures established by the user. Verify all power is off to the unit before performing any work.

Failure to comply could result in serious injury, death or damage to the equipment.



CAUTION:

Always be sure to keep area around the unit clean and free of clutter.

Failure to keep this area clean may result in injury or equipment damage.

PARTS LIST

These instructions describe how to install a replacement refrigeration compressor.

1. Unpack and inspect the kit.
2. Make sure all parts listed are present and in good condition.

Loose-Shipped Parts			
Sl.No.	Part Number	Description	Qty.
1	620054119	Compressor Copeland 404A RST64	1
2	620055910	Set Mount Compressor	1
3	620055712	Line Suction Assembly	1
4	620055717	Line Discharge	1
5	620055369	Line Service Valve Assembly	1
6	620057183	Label Compressor, Internal	1
7	620057184	Label External	1
8	620056170	Cable Compressor, UC 700A	1
9	620057185INS	Manual Installation Instructions	1

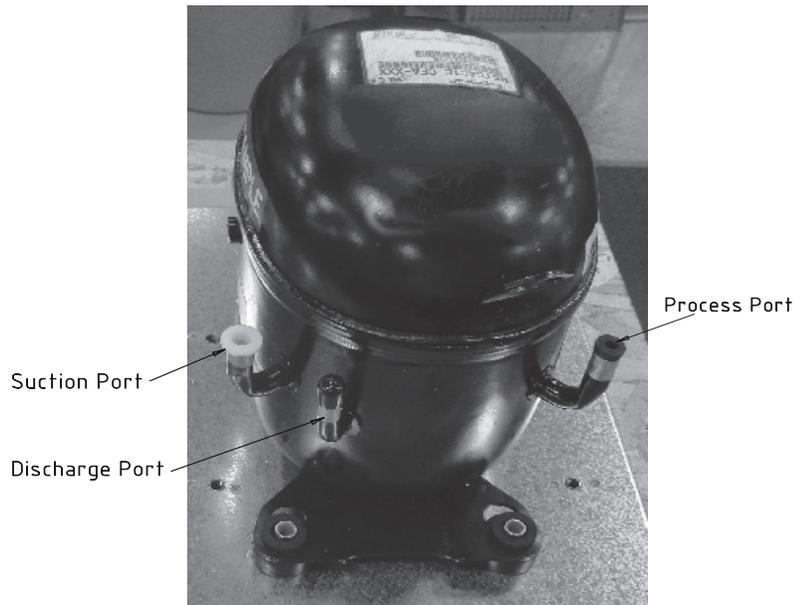


Figure 1. New Compressor with Grommets

REPLACEMENT COMPRESSOR

1. Remove the electrical connections from the existing Compressor E-Box and remove the existing Compressor cable.
2. Remove the TXV bulb from the location without damaging the TXV capillary.
3. Debraze the tubings from low side and discharge side then disassemble and remove the existing compressor as per established procedures in handling refrigerants.
4. Put the Label 620057183 on the new Compressor, just above the seam. Refer Figure 2.

THIS SEALED UNIT HAS BEEN CONVERTED TO USE
COMPRESSOR MODEL RST64C1E-CFA-201. THE NEW
REFRIGERANT CHARGE IS 20 OUNCES OF R404A.

Figure 2. Compressor Sticker

5. Position new compressor with grommets on the mounting bracket and secure using bolts, washers.

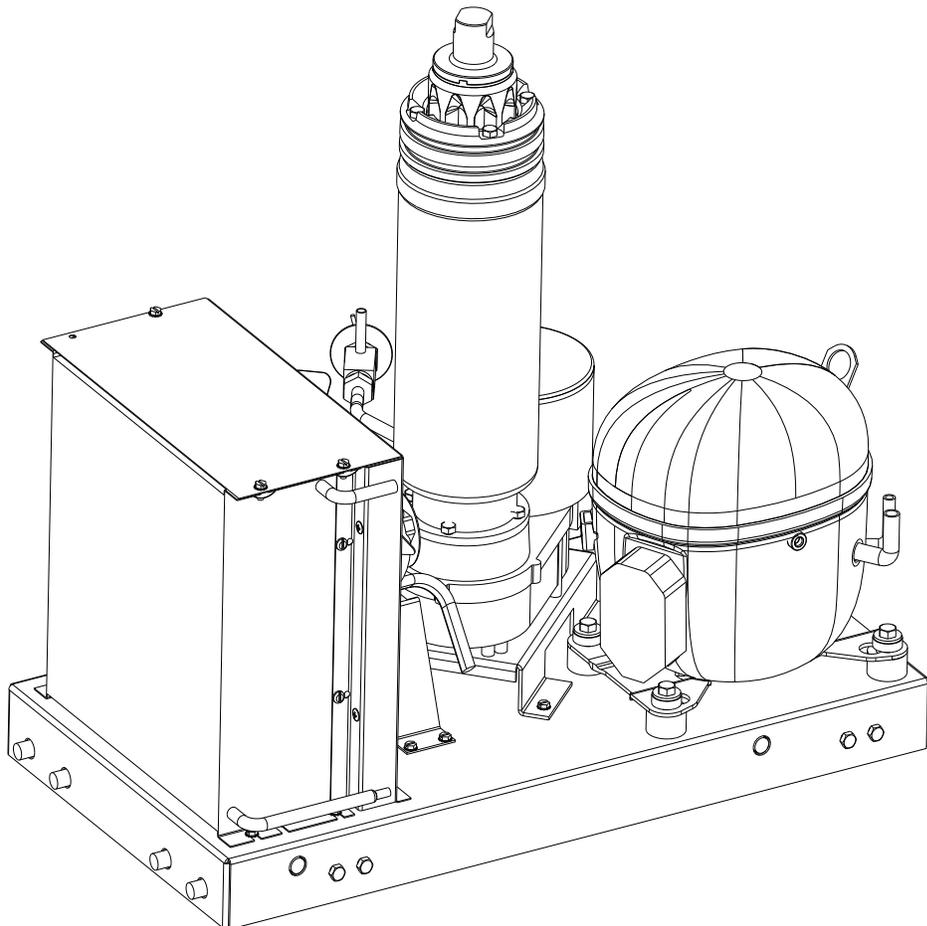


Figure 3. Schematic showing the orientation of the New Compressor

6. Release the Nitrogen from the Compressor. Connect the Discharge tube as shown in Figure 4.

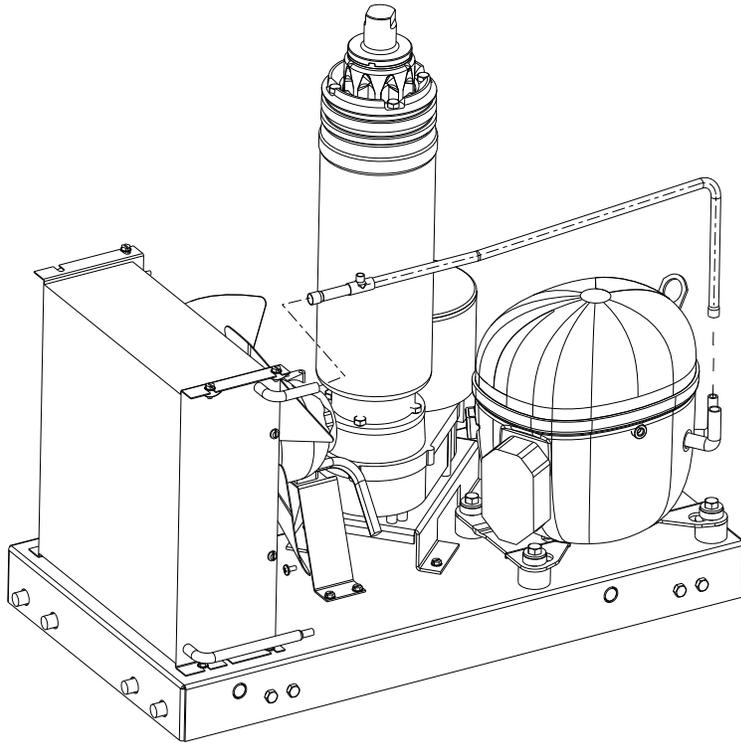


Figure 4. Connection of Discharge Tube

7. Connect the Dryer assembly as shown in Figure 5.

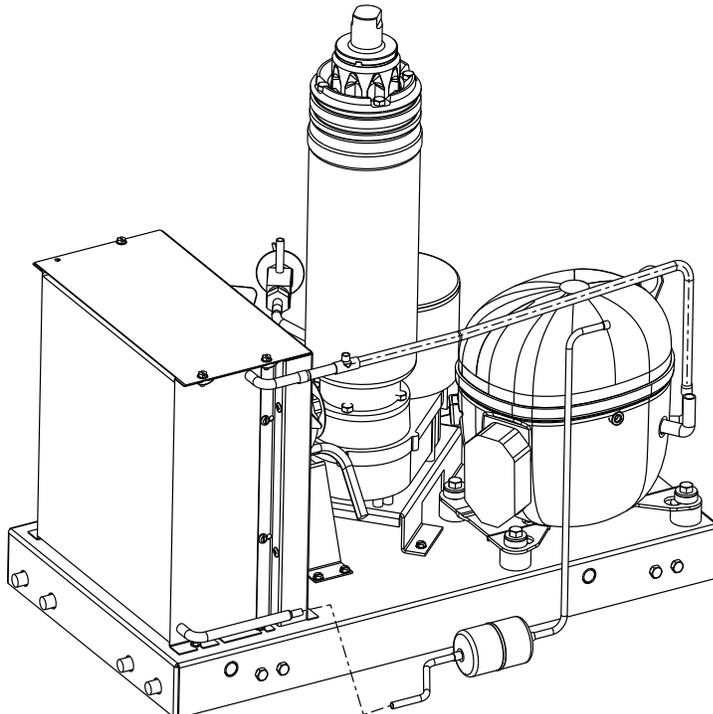


Figure 5. Connection of the Dryer assembly

8. Connect the Suction HX assembly as shown in Figure 6.

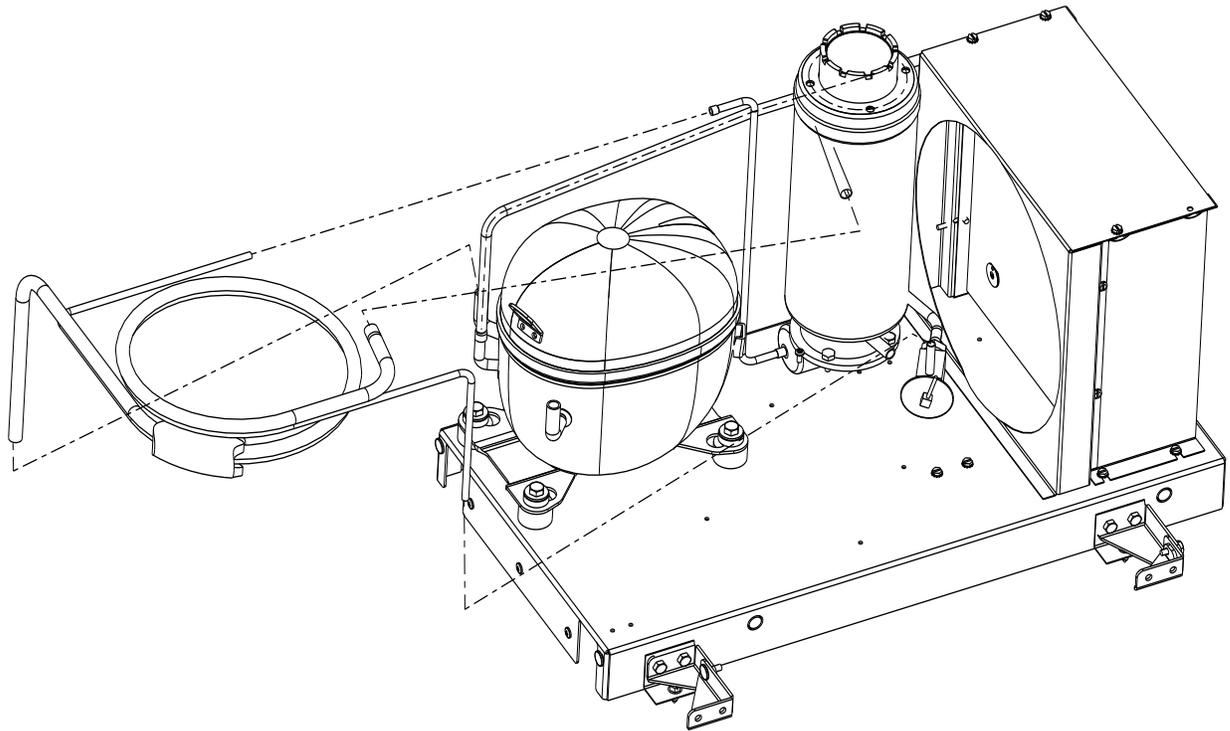


Figure 6. Connection of the Suction HX assembly

9. Braze the joints, make sure that TXV Bulb is not placed on Brazing bead/seam. Mount the TXV bulb in 12° Clock position and wrap it firmly with the copper tube.
10. Ensure the suction line assembly and TXV are insulated properly.
11. Connect the service valve assembly as shown in Figure 7.

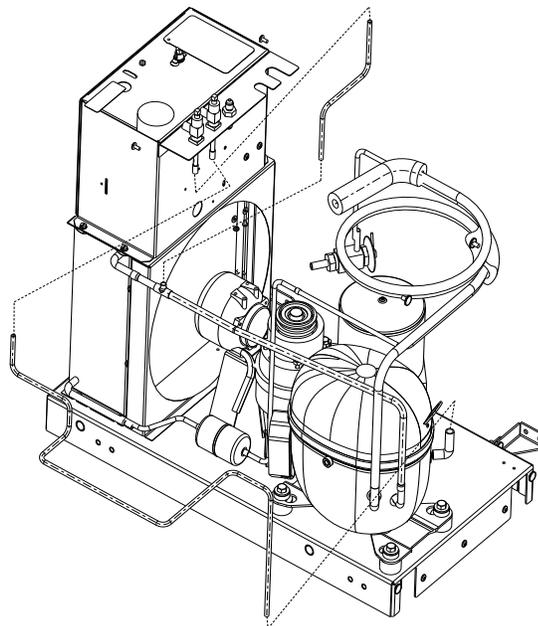


Figure 7. Service Valve Assembly

12. Braze all joints and ensure all the Tubings are placed as shown in Figure 8.

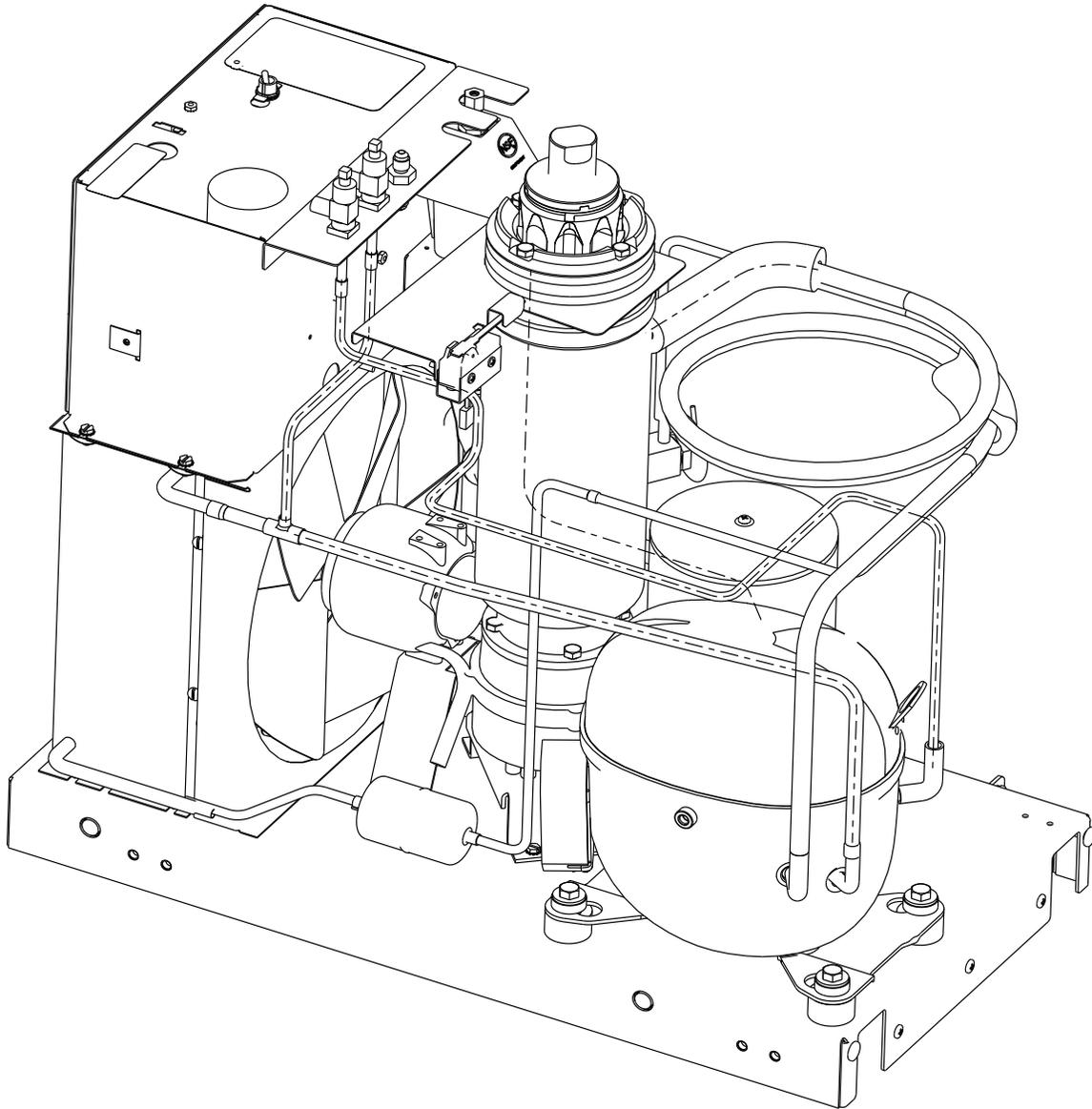


Figure 8. Refrigeration Assembly

NOTE: Ensure that all electrical components i.e Compressor, Condenser Fan Motor, Compressor E-Box and Control E-Box are properly grounded according to Federal, State and Local laws.

13. Make sure all electrical connections are properly connected.
14. Connect electrical power and confirm proper operation.
15. Put the label 620057184 on the back panel below the serial label. Refer Figure 9.

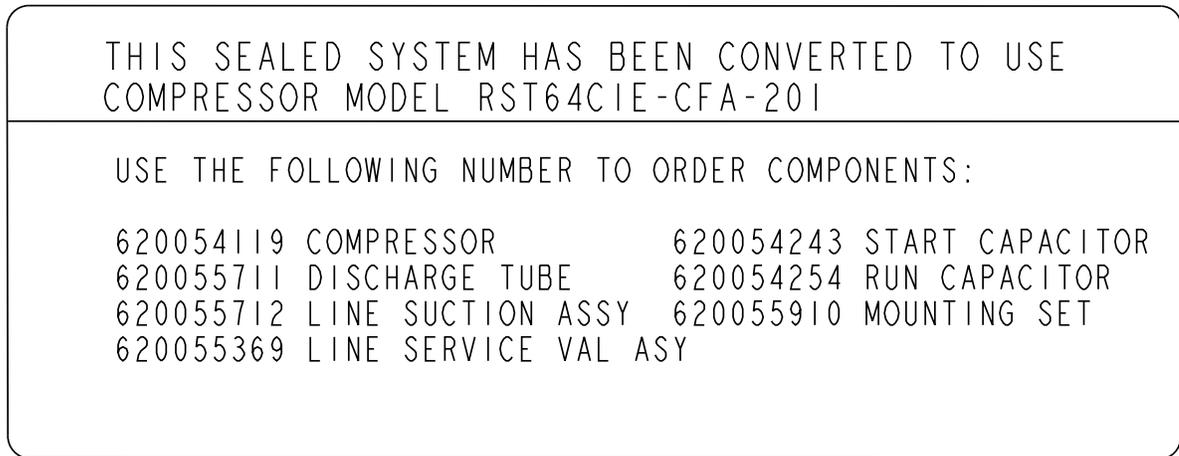


Figure 9. External Label



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