

**INSTALLATION INSTRUCTIONS FOR REPLACING CONDENSER COIL
 IN XC21, XC14, XC13, & AC13 SERIES UNITS**

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Shipping & Packing List

Package 1 of 1 contains:

- Condenser coil (qty 1)
- Bag assembly (qty 1) including:
 - 1 - Discharge line with elbow
 - 1 - 1/2" Coupling
 - 1 - Kit Installation Instructions (this manual)

Check the replacement coil for shipping damage. If you find any damage, immediately contact the last carrier.

Requirements

Verify that the coil has holding charge. Remove the cap from the discharge stub and press the valve core. The coil should have approximately 10 psi dry air holding charge. If there is no charge, repressurize the coil and check for leaks.

Verify that the liquid and discharge manifold is straight and that the tubing is not displaced. Be extremely careful with the stub for the common liquid line. Do not twist or bend it. Refer to figure 1 for proper plumbing alignment.

! IMPORTANT

The stub of the coil must be secured if any adjustments to the liquid line are needed. Do not allow it to move.

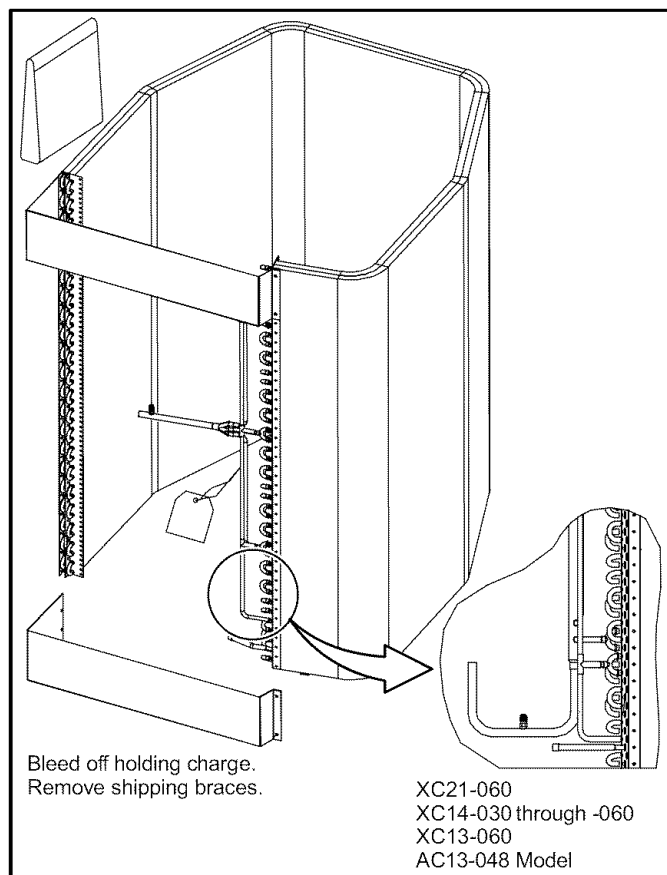


Figure 1. Replacement Condenser Coil

Installation

Installing Coils: XC21-024 thru -048, XC14-018 thru -060, XC13-018 thru -048, AC13-018 thru -042

1. Disconnect all power to the unit.
2. Reclaim the refrigerant from the unit.
3. Remove access panel, side (louvered) panels, top panel, and corner posts. Remove the screws that attach the coil endplate to the control box and compressor enclosure. Keep the screws.
4. Unscrew the liquid service and suction valve brackets from the coil. Sweat off the liquid line at the swaged joint next to the coil outlet.
5. Use a tubing cutter to cut the discharge line approximately one inch from the manifold on the end of the discharge line. See figure 2.

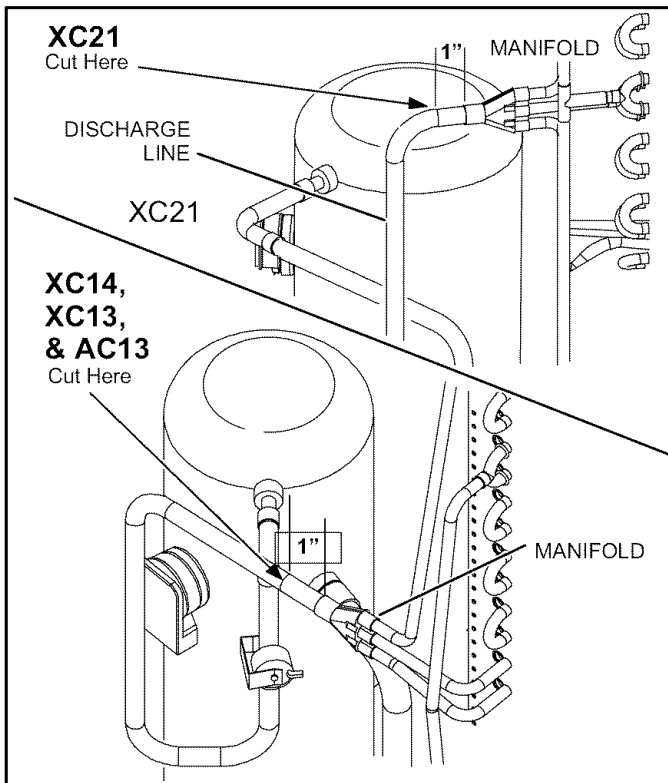


Figure 2. Existing Discharge Line

6. Remove the existing coil.
7. Install the replacement coil assembly.
8. Remove the holding charge by depressing the valve core. Use a tubing cutter to cut off the discharge stub

approximately one inch from the manifold. (This will also remove the pressure tap.) See figure 3.

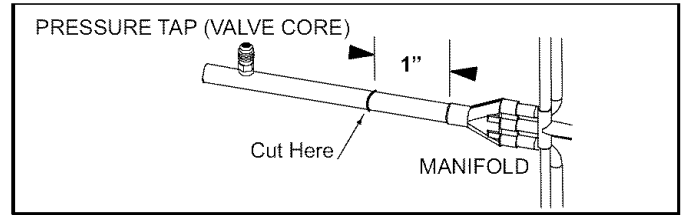


Figure 3. Replacement Coil Discharge Line

9. Align the discharge stub on the replacement coil with the discharge line from the compressor. Install the provided coupling between the two tubes. Sweat the coupling into place. See figure 4.

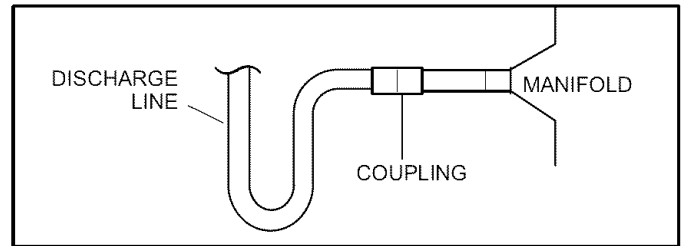


Figure 4. Replacement Discharge Line and Coupling

10. Sweat in the liquid line. Reattach the liquid and suction service valves.
11. Replace the screws that attach the coil endplate to the control box and compressor enclosure.
12. Replace the corner posts, side (louvered) panels, and top panel.
13. Refer to the unit installation instructions for leak testing, evacuation, and start-up procedures. Charge the unit as outlined in the installation instructions or according to the charging sticker.
14. Once you have installed the replacement coil, start the compressor and observe the discharge line. Verify that there is minimal vibration between the shock loop and the manifold on the outdoor coil's discharge line.
15. If there is visible motion, apply weight kit number 38K46 to the discharge line. Install the weight kit on the horizontal run after the shock loop, or other suitable area to achieve acceptable results. Rotate the weight kit on the tubing to change vibration characteristics.

NOTE - Visible motion could result in a future failure of the replacement coil.

16. Replace access panel.

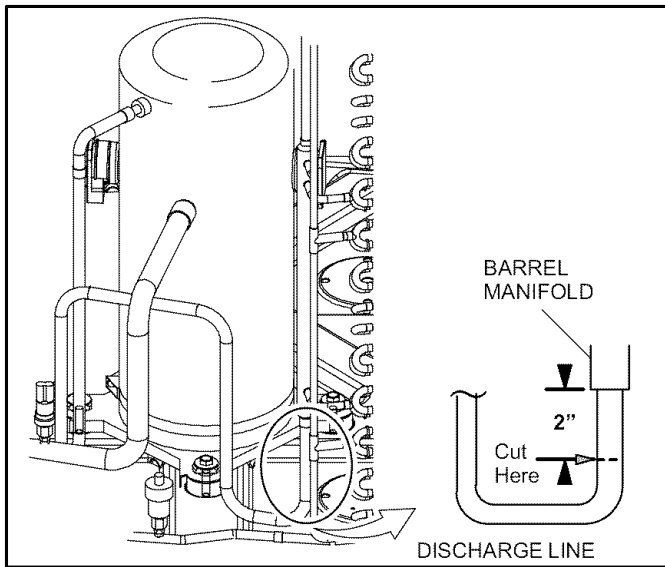


Figure 5. Existing Discharge Line - XC21-060

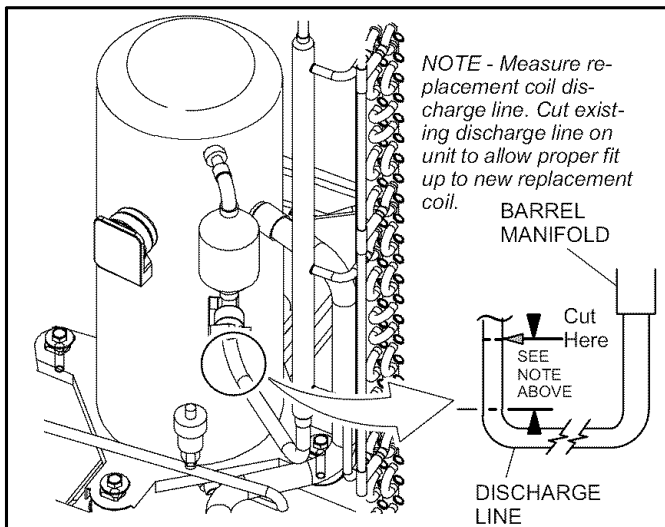


Figure 6. Existing Discharge Line - XC14-030 thru -060

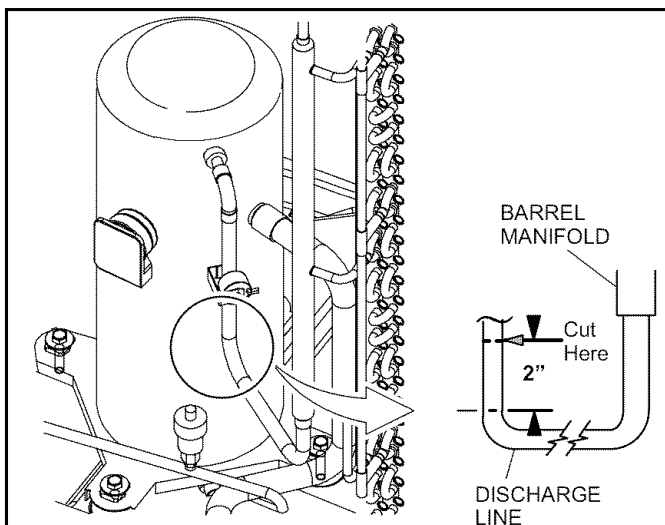


Figure 7. Existing Discharge Line - XC13-060, AC13-048 & -060

Installing Coils: XC21-060, XC14-030 thru -060, XC13-060, AC13-048 & -060

1. Disconnect all power to the unit.
2. Reclaim the refrigerant from the unit.
3. Remove access panel, side (louvered) panels, top panel, and corner posts. Remove the screws that attach the coil endplate to the control box and compressor enclosure. Keep the screws.
4. Unscrew the liquid service and suction valve brackets from the coil. Sweat off the liquid line at the swaged joint to the coil outlet.
5. Perform the appropriate model-dependent step:
XC21-060 - Use a tubing cutter to cut the discharge line approximately two inches from the barrel manifold on the end of the discharge line. See figure 5.
XC14-030 thru -060, XC13-060, AC13-048, AC13-060—Use a tubing cutter to cut the discharge line approximately two inches from the bend nearest the compressor. See figure 6 (XC14) or 7 (XC13).
6. Remove the existing coil and discharge line.
7. Install the replacement coil assembly.
8. Perform the appropriate model-dependent step:
XC21-060 - Remove holding charge by depressing the valve core. Use a tubing cutter to cut off the discharge stub approximately 2 inches from the barrel manifold. This will also remove the pressure tap (see figure 8).

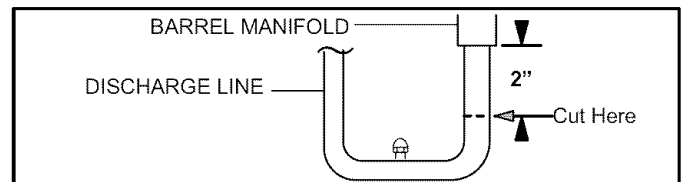


Figure 8. Replacement Coil Discharge Line - XC21-060

XC-14-030 thru -060, XC13-060, AC13-048 & -060 - Remove holding charge by depressing the valve core. Use a tubing cutter to cut off discharge stub approximately 2 inches from the bend closest to the stub end (see figure 9).

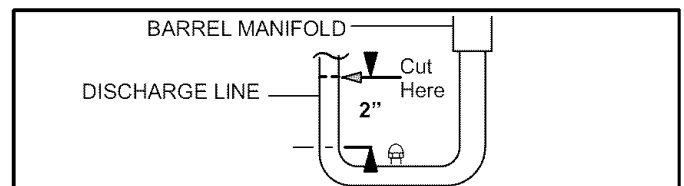


Figure 9. Replacement Coil Discharge Line - XC14-030 thru -060, XC13-060, AC13-048 & -060

9. Align discharge stub on replacement coil with discharge line from compressor. Install provided coupling between the two tubes. Sweat coupling into place.
10. Sweat in the liquid line. Reattach the liquid and suction service valves.
11. Replace the screws that attach the coil endplate to the control box and compressor enclosure.
12. Replace corner posts, side (louvered) panels, and top panel.

13. Refer to the unit installation instructions for leak testing, evacuation, and start-up procedures. Charge the unit as outlined in the installation instructions or according to the charging sticker.
14. Once you have installed the replacement coil, start the compressor and observe the discharge line. Verify that there is minimal vibration between the shock loop and the manifold on the outdoor coil's discharge line.

15. If there is visible motion, apply weight kit number 38K46 to the discharge line. Install the weight kit on the horizontal run after the shock loop, or other suitable area to achieve acceptable results. Rotate the weight kit on the tubing to change vibration characteristics.

NOTE - Visible motion could result in a future failure of the replacement coil.

16. Replace access panel.