

504,664M  
08/03  
Supersedes 02/03

## CONDENSER COIL REPLACEMENT KIT

### INSTALLATION INSTRUCTIONS FOR REPLACEMENT CONDENSER COIL FOR HS26-030, -036, -042, -048, -060; HS27-024, -030, -036, & -042; HSXA15-060, HSXB15-024, -030, -036, -042, -048, -060; & HSXA19-036, 038, 048, -060 SERIES UNITS

#### Shipping & Packing List

Package 1 of 1 contains:

- 1 - Condenser coil
- 1 - Bag assembly for use with the following units:  
HS26-030, -036, -042, -048, & -060; HS27-024, -030,  
-036, & -042; HSXA15-060; & HSXB16-060
- 1 - Discharge line with elbow
- 1 - Liquid line adapter
- All other units:
  - 1 - 1/2" Coupling

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.

*NOTE - For units that have the liquid line running up and along the bottom of the control box, use the provided liquid line adapter.*

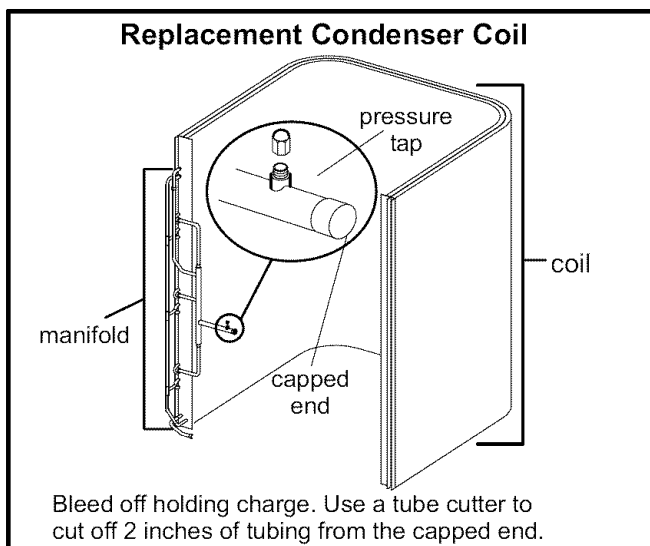


Figure 1

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#### ▲ IMPORTANT

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

#### Installation

The installation section covers condenser coil installation for the following units:

- HS26-030, -036, -042, -048, -060, HSXA15-060, and HSXB15-060
- HS27-024, -030, -036, and -042
- HSXB15-024
- HSXB15-030, -036, -042 and HSXA19-036
- HSXB15-048 and HSXA19-038, -048, -060

**HS26-030, -036, -042, -048, -060; HS27-024, -030, -036, & -042; HSXA15-06; & HSXB15-060 Units**

- 1 - Disconnect the power from the unit.
- 2 - Reclaim the refrigerant from the unit.
- 3 - Remove top panel, coil guard, and mullions. Remove the screws that attach the coil endplate which holds the control box and compressor enclosure. Keep the screws.
- 4 - Unscrew the high pressure switch from the liquid line. (Not required if pressure switch is located next to the service valve.) Keep the high pressure switch. Sweat off the liquid line at the swedged joint next to the pressure switch. See figure 2.

#### ▲ IMPORTANT

**Avoid overheating compressor discharge stub.**

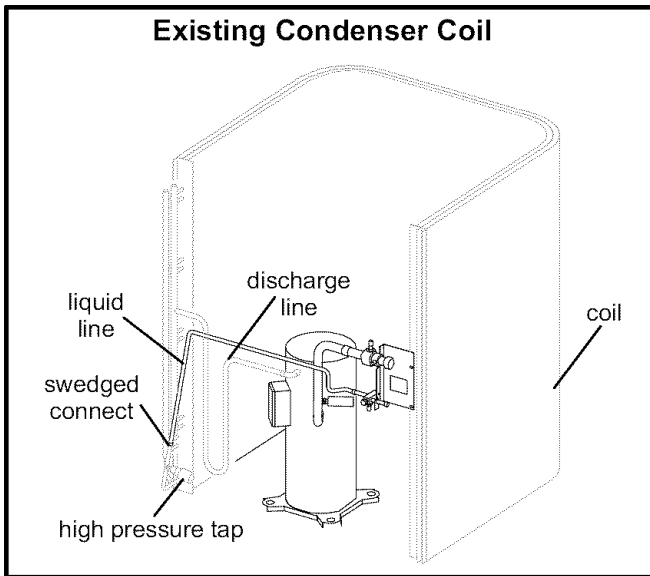
- 5 - Sweat off the discharge line with elbow at the compressor. See figure 2.

*NOTE - If the existing unit has a discharge loop close to the compressor, and the common liquid line is routed along the base of the unit, the discharge line does not need to be replaced. It can be coupled together using the provided 1/2" coupling.*

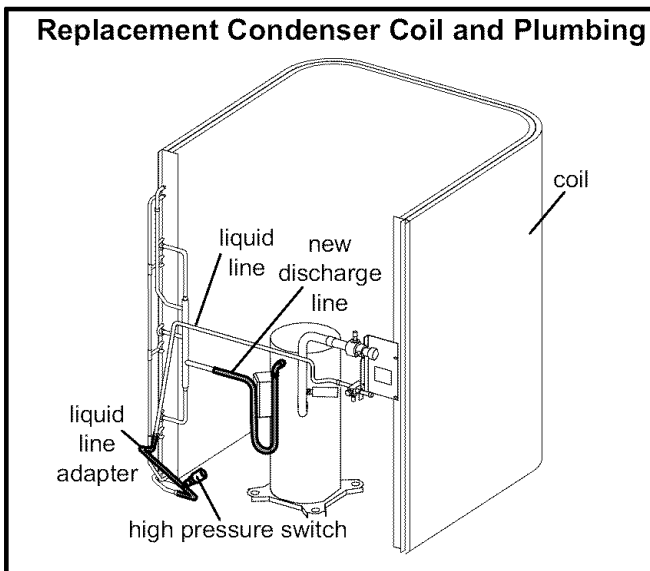
- 6 - Remove the existing coil and the discharge line.
- 7 - Install the replacement coil assembly.
- 8 - On the new coil, remove the holding charge by depressing the valve core. Use a tubing cutter to cut off the discharge stub approximately two inches from capped end; this will also remove the pressure tap.

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9 -Sweat in the provided discharge line. See figure 3.



**Figure 2**



**Figure 3**

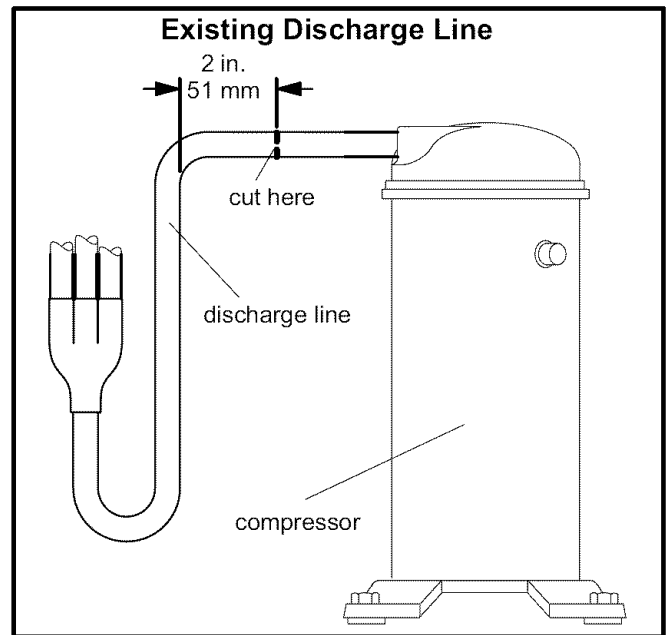
- 10 -If necessary, sweat in the provided liquid line adapter. Be extremely careful not to twist or bend the liquid line stub because a secondary failure can occur.
- 11 -Reinstall the pressure switch. Use a backup wrench on the coil fitting to prevent twisting or stress to the copper line.
- 12 -Replace the top panel, coil guard, and mullions. Replace the screws that attach the coil endplate that holds the control box and compressor enclosure.
- 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 on 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 after the shock loop has been installed, 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.*

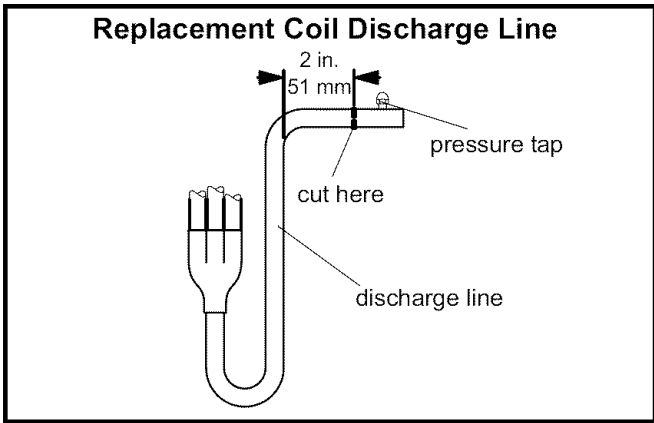
**HSXB15-024 Units**

- 1 - Disconnect the power from the unit.
- 2 - Reclaim the refrigerant from the unit.
- 3 - Remove top panel, coil guard, and mullions. Remove the screws that attach the coil endplate which holds the control box and compressor enclosure. Keep the screws.
- 4 -Unscrew the liquid service valve from the mounting bracket and the tubing clamp from the base.  
  
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 two inches from the vertical leg of the discharge line. See figure 4.



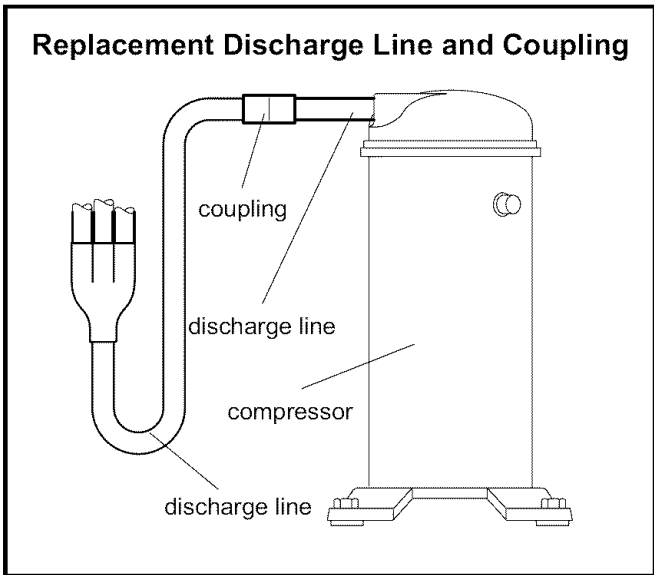
**Figure 4**

- 6 -Remove the existing coil and the discharge line.
- 7 -Install the replacement coil assembly.
- 8 -On the new coil, remove the holding charge by depressing the valve core. Use a tubing cutter to cut off the discharge stub approximately two inches from the vertical leg. This will also remove the pressure tap. See figure 5.



**Figure 5**

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 6.



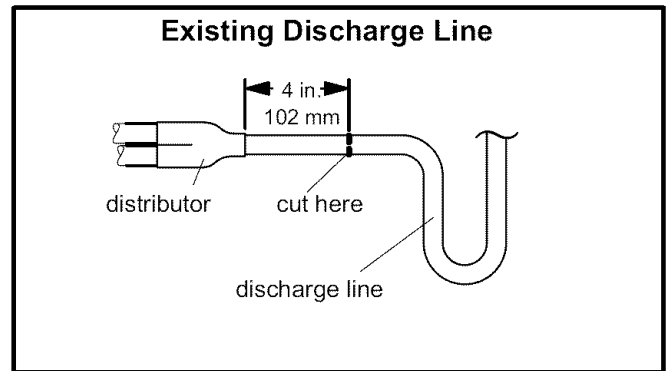
**Figure 6**

- 10 -Sweat in the liquid line. Reattach the liquid service valve and tubing clamp.
- 11 -Replace the top panel, coil guard, and mullions. Replace the screws that attach the coil endplate that holds the control box and compressor enclosure.
- 12 -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.
- 13 -After 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.
- 14 -If there is visible motion after the shock loop has been installed, 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.*

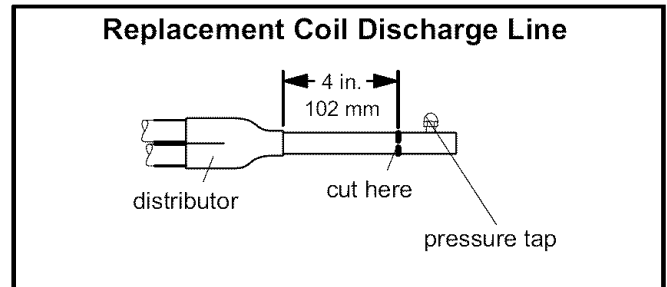
**HSXB15-030, -036, -042 & HSXA19-036 Units**

- 1 - Disconnect the power from the unit.
- 2 - Reclaim the refrigerant from the unit.
- 3 - Remove top panel, coil guard, and mullions. Remove the screws that attach the coil endplate that holds the control box and compressor enclosure. Keep the screws.
- 4 -Unscrew the liquid service valve from the mounting bracket and the tubing clamp from the base. Sweat off the liquid line at the swedged joint next to the coil outlet.
- 5 -Use a tubing cutter to cut the discharge line approximately four inches from the distributor that is on the end of the discharge line. See figure 7.



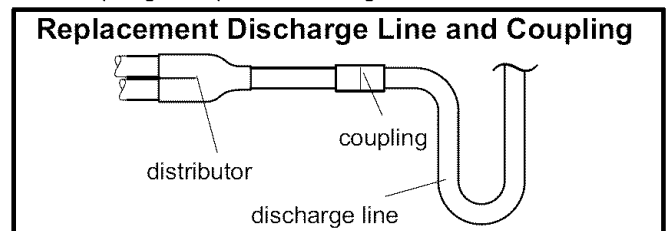
**Figure 7**

- 6 -Remove the existing coil and the discharge line.
- 7 -Install the replacement coil assembly.
- 8 -On the new condensing coil, remove the holding charge by depressing the valve core. Use a tubing cutter to cut off the discharge stub approximately four inches from the distributor. This will also remove the pressure tap. See figure 8.



**Figure 8**

- 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 9.

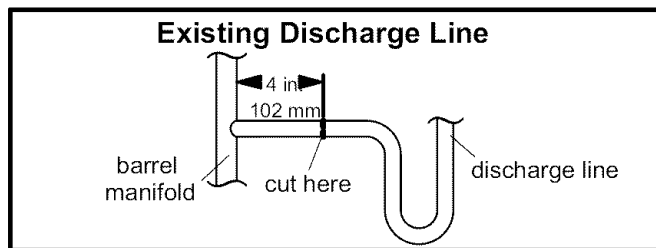


**Figure 9**

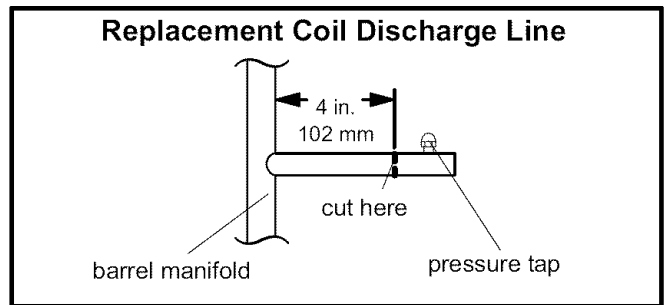
- 10 -Sweat in the liquid line. Reattach the liquid service valve and tubing clamp.
- 11 -Replace the top panel, coil guard, and mullions. Replace the screws that attach the coil endplate that holds the control box and compressor enclosure.
- 12 -Refer to the unit installation instructions for leak testing, evacuation, and start-up procedures. Charge the unit as outlined in the installation instructions or according to the charging sticker.
- 13 -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.
- 14 -If there is visible motion after the shock loop has been installed, 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.*

**HSXB15-048 & HSXA19-038, -048, -060 Units**

- 1 - Disconnect the power from the unit.
- 2 - Reclaim the refrigerant from the unit.
- 3 - Remove top panel, coil guard, and mullions. Remove the screws that attach the coil endplate which holds the control box and compressor enclosure. Keep the screws.
- 4 -Unscrew the liquid service valve from mounting bracket and the tubing clamp from the base. Sweat off the liquid line at the swedged joint next to the coil outlet.
- 5 -Use a tubing cutter to cut the discharge line approximately four inches from the barrel manifold on the end of the discharge line. See figure 10.
- 6 -Remove the existing coil and the discharge line.
- 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 approx. four inches from the barrel manifold. This will also remove the pressure tap. See figure 11.

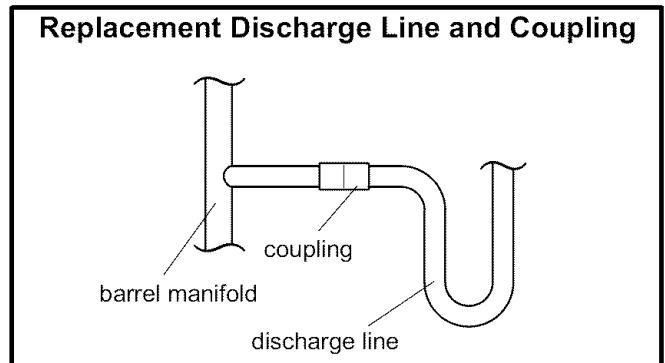


**Figure 10**



**Figure 11**

- 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 12.



**Figure 12**

- 10 -Sweat in the liquid line. Reattach the liquid service valve and tubing clamp.
- 11 -Replace the top panel, coil guard, and mullions. Replace the screws that attach the coil endplate which holds the control box and compressor enclosure.
- 12 -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.
- 13 -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.
- 14 -If there is visible motion after the shock loop has been installed, 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.*