

COOLING UNITS KITS AND ACCESSORIES

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INDOOR COIL REPLACEMENT KIT

INSTALLATION INSTRUCTIONS FOR INDOOR COIL REPLACEMENT KITS USED WITH ALUMINUM AIR HANDLERS

Shipping and Packing List

Package 1 of 1 contains:

- 1 – Coil assembly
- 1 – Installation Instruction

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

⚠ WARNING

Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life. Installation and service must be performed by a licensed professional HVAC installer or equivalent, service agency, or the gas supplier.

⚠ CAUTION

As with any mechanical equipment, contact with sharp sheet metal edges can result in personal injury. Take care while handling this equipment and wear gloves and protective clothing.

⚠ WARNING

To prevent personal injury, as well as damage to panels, unit or structure, observe the following:

While installing or servicing this unit, carefully stow all removed panels so that the panels will not cause injury to personnel, objects or nearby structures. Also, take care to store panels where they will not be subject to damage (e.g., being bent or scratched).

⚠ WARNING



Electric Shock Hazard! – Disconnect all power supplies before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

General

Verify that the new coil has holding charge by slowly removing the plugs. The coil should have approximately 10 psi dry air holding charge. If there is no charge, repressurize the coil and check for leaks.

⚠ CAUTION

Leak Detection System installed. Unit must be powered except for service.

⚠ CAUTION

Any service personnel installing, decommissioning, or performing maintenance on the unit must be properly trained with A2L refrigerants.

Verify that the replacement coil dimensions match the current coil being replaced.

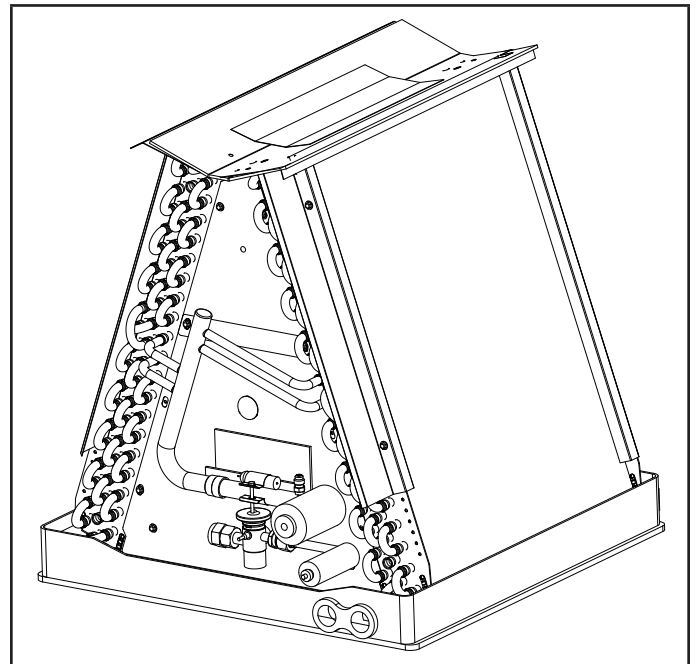


FIGURE 1 Replacement Coil

Installation

WARNING



Danger of fire. Bleeding the refrigerant charge from only the high side may result in pressurization of the low side shell and suction tubing. Application of a brazing torch to a pressurized system may result in ignition of the refrigerant and oil mixture. Check the high and low pressures before applying heat.

CAUTION

Brazing alloys and flux contain materials which are hazardous to your health.

Avoid breathing vapors or fumes from brazing operations. Perform operations only in well-ventilated areas.

Wear gloves and protective goggles or face shield to protect against burns.

Wash hands with soap and water after handling brazing alloys and flux.

IMPORTANT

Refrigerant lines must be clean, dry, refrigerant-grade copper lines. Air handler coils should be installed only with specified line sizes for approved system combinations.

Handle the refrigerant lines gently during the installation process. Sharp bends or kinks in the lines will cause a restriction.

Do not remove the caps from the lines or system connection points until connections are ready to be completed.

Refrigerant lines must be connected by a qualified technician in accordance with established procedures.

IMPORTANT

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

FOR BRAZED FITTINGS:

- 1 - Disconnect all power to the unit.
- 2 - Reclaim the refrigerant from the unit.
- 3 - Remove the access panel. Keep the screws.
- 4 - Braze off the liquid and vapor lines at the swaged joints.
- 5 - Remove the existing coil.
- 6 - Install the replacement coil assembly.
- 7 - Allow the holding charge to escape by slowly removing the rubber plugs.

IMPORTANT

Apply a wet cloth to the factory copper joints to prevent heat damage when brazing in the field copper-to-copper joints for the replacement coil.

- 8 - Braze in the liquid and vapor lines.
- 9 - Once installation of the replacement coil is complete, confirm that all refrigerant tubing and wiring is properly routed away from other wiring and sharp metal edges.
- 10 - Replace the access panel.
- 11 - 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.

IMPORTANT

Braze-free fittings must conform with UL207 or ISO14903 (latest edition).

FOR BRAZE-FREE FITTINGS:

- 1 - Disconnect all power to the unit.
- 2 - Reclaim the refrigerant from the unit.
- 3 - Remove the access panel. Keep the screws.
- 4 - Cut existing coil liquid and vapor line fittings off
- 5 - Remove the existing coil.
- 6 - Install the replacement coil assembly.
- 7 - Allow the holding charge to escape by slowly removing the rubber plugs.
- 8 - Remove bell from the stubbed connection using a tubing cutter.
- 9 - Position the refrigerant piping and follow the assembly instructions provided with the braze-free connector.
- 10 - Once installation of the replacement coil is complete, confirm that all refrigerant tubing and wiring is properly routed away from other wiring and sharp metal edges.
- 11 - Replace the access panel.
- 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.