Installation Instructions

Horizontal Drain Pan for EBP, EBX, EBW and EBV Series Fan Coils

These instructions must be read and understood completely before attempting installation.

All units must have the horizontal drain pan kit installed for either left or right hand applications.

CAUTION

A field-fabricated auxiliary drain pan, with a separate drain is REQUIRED for all installations over a finished living space or in any area that may be damaged by overflow from the main drain pan. In some localities, local codes require an auxiliary drain pan for ANY horizontal installation.

Refer to Installation Manual for electric furnace or fan coil for additional information.

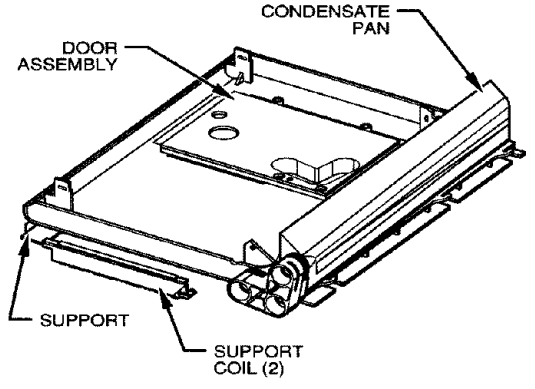

Fig. 1—Drain Pan Kit

INSTALLATION / SLOPE COILS

If it is determined that the system does not have leaks, and the refrigerant is not contaminated, proceed as follows:

1. Recover system refrigerant.
   a. Attach gage/manifold set to service valves.
   b. Start unit in cooling mode.
   c. Front seat (close) liquid line service valve.
   d. Operate unit until vapor pressure reaches 5 psig (35kPa).
   e. Turn off electrical supply to outdoor unit.
   f. Front seat (close) vapor service valve.
   g. Recover any remaining refrigerant.

NOTE: All condenser coils hold only a factory-supplied amount of refrigerant. Excess refrigerant, such as in long-line applications, may cause compressor internal pressure relief valve to open (indicated by sudden rise in vapor pressure) before vapor pressure reaches 5 psig (35kPa). If this occurs, turn off electrical supply to outdoor unit immediately, front seat (close) vapor service valve, and recover any remaining refrigerant.

2. Turn off electrical supply to indoor unit.

3. Disconnect condensate drain line.

WARNING: Do not use torch to remove components. Oil may catch fire causing personal injury or death. Use tubing cutter.

4. Disconnect liquid and vapor lines from indoor coil (use a tubing cutter to cut the lines).

5. Remove coil access blower and fitting panels.

6. Remove 1 screw securing coil to unit casing.

7. Remove coil/pan assembly from unit.

8. Place assembly on a flat surface. Remove 2 screws securing coil support columns to pan. (See Fig. 2 on Pg. 2)

9. Rotate columns 90 degrees, pull away from coil, and remove columns from assembly.

10. Remove remaining 2 screws securing coil to condensate pan.

11. Remove coil from condensate pan.

12. Discard old drain pan and supports

13. Remove kit from carton.

14. Snap metal pan support (ski) into bottom of drain pan.

15. Slide coil into pan assemble.

16. Snap in supports.

17. Secure coil to pan with 2 sheet metal screws.

18. Re-install coil/pan assembly into unit casing.

19. Secure with 1 screw into unit casing.

20. Install new fitting panel.

21. Replace coil access blower panels.

22. Reconnect liquid and vapor refrigerant lines and condensate drain line. Install filter drier(s) if necessary.

NOTE: If a torch is used to unbraze the line set, protect the fitting panel with a wet cloth or braze shield as necessary.

23. Evacuate line set and indoor coil.

24. Back seat (open) liquid and vapor service valves.

25. Turn on electrical supplies to indoor and outdoor units.

26. Check system refrigerant charge and operation.

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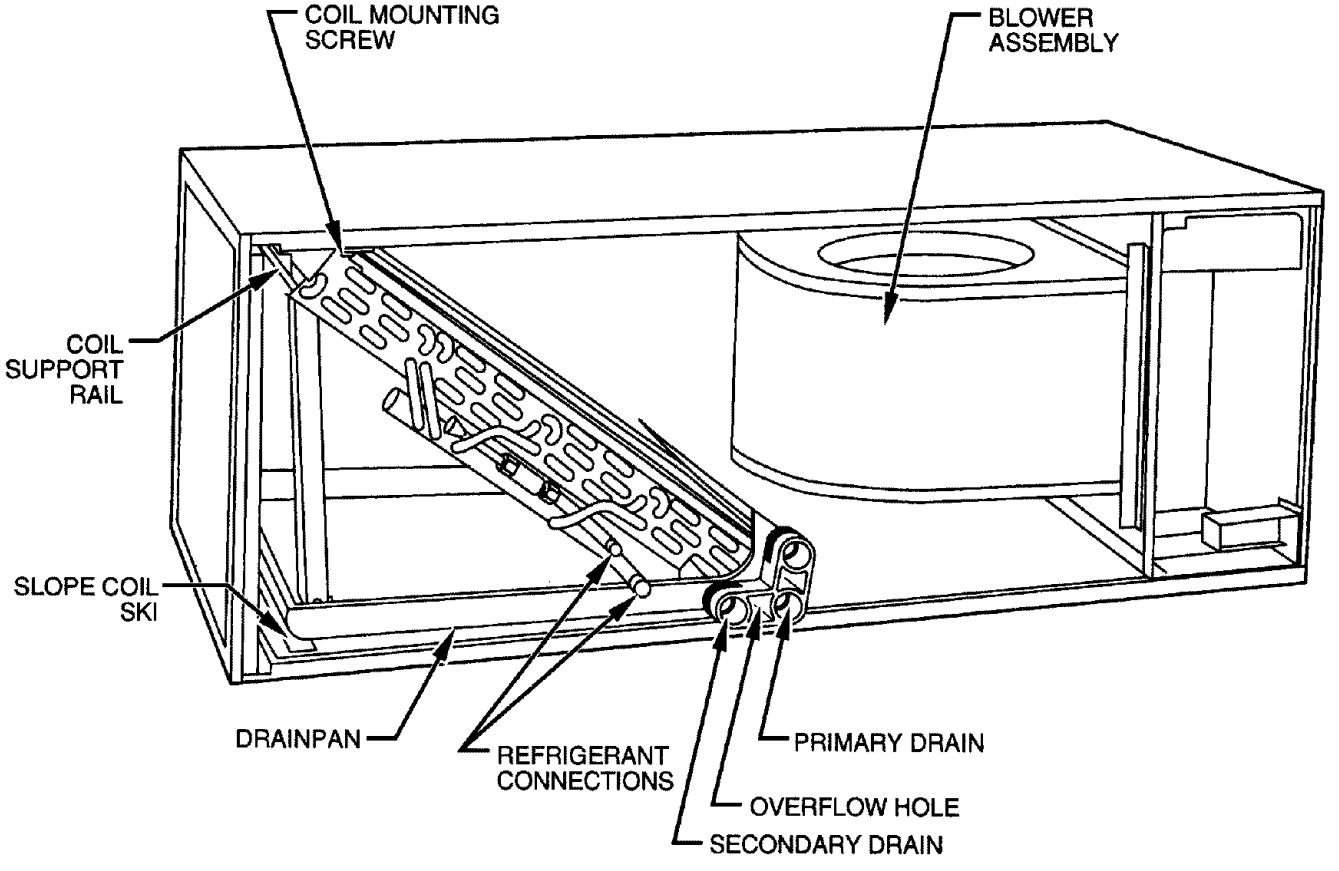

Fig. 2—Horizontal Installation of Drain Pan Kit

INSTALLATION / A-COIL HORIZONTAL LEFT

See Fig. 3

If it is determined that the system does not have leaks, and the refrigerant is not contaminated, proceed as follows:

1. Recover system refrigerant.
   a. Attach gage/manifold set to service valves.
   b. Start unit in cooling mode.
   c. Front seat (close) liquid line service valve.
   d. Operate unit until vapor pressure reaches 5 psig (35kPa).
   e. Turn off electrical supply to outdoor unit.
   f. Front seat (close) vapor service valve.
   g. Recover any remaining refrigerant.

NOTE: All condenser coils hold only a factory-supplied amount of refrigerant. Excess refrigerant, such as in long-line applications, may cause compressor internal pressure relief valve to open (indicated by sudden rise in vapor pressure) before vapor pressure reaches 5 psig (35kPa). If this occurs, turn off electrical supply to outdoor unit immediately, front seat (close) vapor service valve, and recover any remaining refrigerant.

2. Turn off electrical supply to indoor unit.

3. Disconnect condensate drain line.

WARNING: Do not use torch to remove components. Oil may catch fire causing personal injury or death. Use tubing cutter.

4. Disconnect liquid and vapor lines from indoor coil (use a tubing cutter to cut the lines).

5. Remove coil access blower and fitting panels, filter and filter door.

6. Remove coil retaining clips.

7. Remove coil/pan assembly from unit.

8. Place assembly on a flat surface in the vertical position facing liquid and suction lines.

13. Remove kit from carton.

14. Remove existing cindensate trough from A-coil and install on opposite side of A-coil

14. Add drain tube to left drainport on airsplitter

15. Set coil into pan assembley with pan drains facing out.

18. Re-install coil/pan assembly into unit casing.

19. Resecure coil with retaining clips.

20. Install fitting panel.

21. Replace coil access blower panels and filter door.

22. Reconnect liquid and vapor refrigerant lines and condensate drain line. Install filter drier(s) if necessary.

NOTE: If a torch is used to unbraze the line set, protect the fitting panel with a wet cloth or braze shield as necessary.

23. Evacuate line set and indoor coil.

24. Back seat (open) liquid and vapor service valves.

25. Turn on electrical supplies to indoor and outdoor units.

26. Check system refrigerant charge and operation.

INSTALLATION / A-COIL HORIZONTAL RIGHT

See Fig. 3

If it is determined that the system does not have leaks, and the refrigerant is not contaminated, proceed as follows:

1. Recover system refrigerant.
   a. Attach gage/manifold set to service valves.
   b. Start unit in cooling mode.
   c. Front seat (close) liquid line service valve.
   d. Operate unit until vapor pressure reaches 5 psig (35kPa).
   e. Turn off electrical supply to outdoor unit.
   f. Front seat (close) vapor service valve.
   g. Recover any remaining refrigerant.

NOTE: All condenser coils hold only a factory-supplied amount of refrigerant. Excess refrigerant, such as in long-line applications, may cause compressor internal pressure relief valve to open (indicated by sudden rise in vapor pressure) before vapor pressure reaches 5 psig (35kPa). If this occurs, turn off electrical supply to outdoor unit immediately, front seat (close) vapor service valve, and recover any remaining refrigerant.

2. Turn off electrical supply to indoor unit.

3. Disconnect condensate drain line.

WARNING: Do not use torch to remove components. Oil may catch fire causing personal injury or death. Use tubing cutter.

4. Disconnect liquid and vapor lines from indoor coil (use a tubing cutter to cut the lines).

5. Remove coil access blower and fitting panels, filter and filter door.

6. Remove coil retaining clips.

7. Remove coil/pan assembly from unit.

8. Place assembly on a flat surface in the vertical position facing liquid and suction lines.

13. Remove kit from carton.

14. Remove existing condensate trough from A-coil and install on opposite side of A-coil

14. Remove air seal and filler plate and rotate 180 degrees and reattach.

14. Reattach air seal / splitter plate assembly to A-Coil.

14. Add drain tube to right drainport on airsplitter

15. Lay unit cabinet on it's right side on a flat surface.

15. Set coil into pan assembley with pan drains facing out.

18. Re-install coil/pan assembly into unit casing.

19. Resecure coil with retaining clips.

20. Install fitting panel (Remove hole covers on door for drain pan access).

21. Replace coil access blower panels and filter door.

22. Reconnect liquid and vapor refrigerant lines and condensate drain line. Install filter drier(s) if necessary.

NOTE: If a torch is used to unbraze the line set, protect the fitting panel with a wet cloth or braze shield as necessary.

23. Evacuate line set and indoor coil.

24. Back seat (open) liquid and vapor service valves.

25. Turn on electrical supplies to indoor and outdoor units.

26. Check system refrigerant charge and operation.

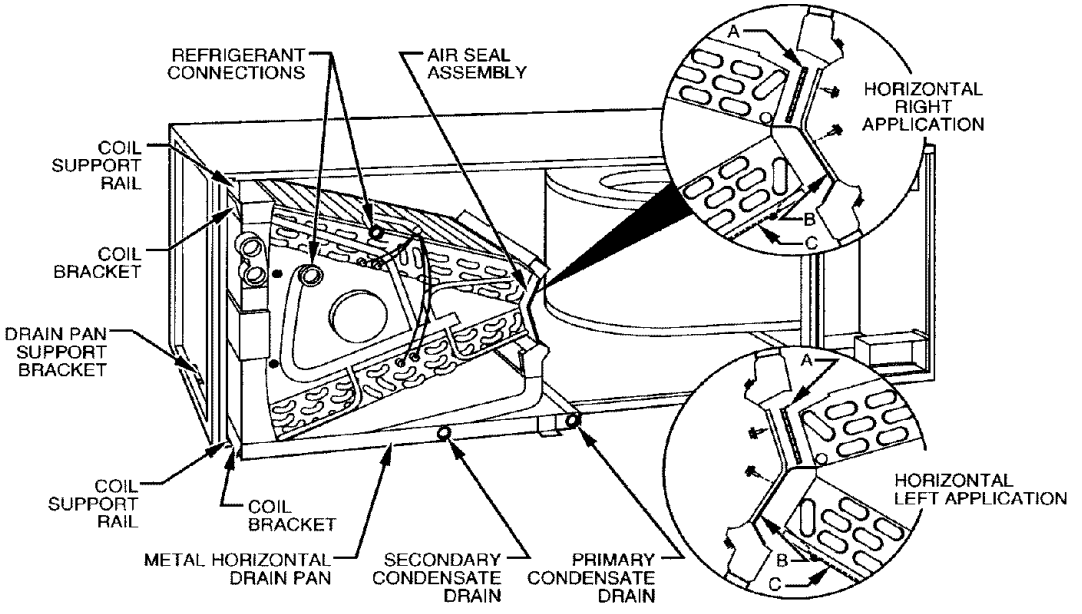

FIG. 3- Conversion for Horizontal Right / Left Applications Using A-Coil