INSTALLATION INSTRUCTIONS

2 - 5 Ton Air Handler Twinning Instructions - Commercial Split Systems

⚠ WARNING:

ELECTRICAL SHOCK, FIRE OR EXPLOSION HAZARD

Failure to follow safety warnings exactly could result in serious injury or property damage.

Improper servicing could result in dangerous operation, serious injury, death or property damage.

- **Before servicing, disconnect all electrical power to the equipment.**
- **When servicing controls, label all wires prior to disconnecting. Reconnect wires correctly.**
- **Verify proper operation after servicing.**

These instructions are to be used when connecting two B5 or B6 air handlers (2-5 ton models) to a common single stage A/C condensing unit or heat pump. Twinning is possible for B5 units with PSC or X-13 motors and B6 units with PSC or fixed speed (FSHE) motors. Twinning is not possible for units with variable (VSHE) speed motors.

ELECTRICAL WIRING

Electrical power wiring must be made in accordance with all applicable local codes and ordinances, and with the current revision of the National Electrical Code (ANSI/NFPA 70). For Canadian installations the electrical connections and grounding shall comply with the current Canadian Electrical Code (CSA C22.1 and/or local codes).If any of the original wire as supplied with the unit must be replaced, it must be replaced with wire material having the same gauge and temperature rating.

Line Voltage

See the air handler unit wiring label/instructions for proper high voltage wiring. Use separate branch electrical circuits for each air handler.

Low Voltage

All low voltage wiring instructions, cautions, and warnings accompanying the air handler remain applicable, except for:

1. Both air handler's 24V transformers must be removed from the control circuit by removing and discarding the RED wire located on the transformer's secondary. The S3BM and S3BN series A/C outdoor units come standard with 24V power supply sufficient for powering both air handlers.
2. Low voltage wiring should be connected as shown in Figure 1.
3. Wire all other low voltage thermostat terminals to both air handlers as needed per the installation instructions.
4. For B5 & B6 air handlers (2 - 5 ton models) equipped with a printed circuit board control, 24V (R) must be connected to both indoor units.

REFRIGERANT PIPING

⚠ WARNING:

Air conditioner and heat pump equipment contain liquid and gaseous refrigerant under pressure. Installation and servicing should only be attempted by qualified, trained personnel thoroughly familiar with the equipment and safe responsible refrigerant handling procedures. Failure to comply with this warning could result in equipment damage, personal injury, or death.

The refrigerant piping to each air handler (or coil) should be of equal length and size. Run the copper pipes from condensing unit to a point equidistant between the air handlers (or coils). Place a tee in the lines at this point. After the tee (as close to the air handler as practical), reduce the pipe size to match the piping of the air handler or coil.

IMPORTANT

These instructions are primarily intended to assist qualified individuals experienced in the proper installation of heating and/or air conditioning appliances. Some local codes require licensed installation/service personnel for this type equipment. All installations must be in accordance with these instructions and with all applicable national and local codes and standards.

Read these instructions thoroughly before starting the installation. Follow all precautions and warnings contained within these instructions and on the unit.

DO NOT DESTROY. PLEASE READ CAREFULLY &
KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

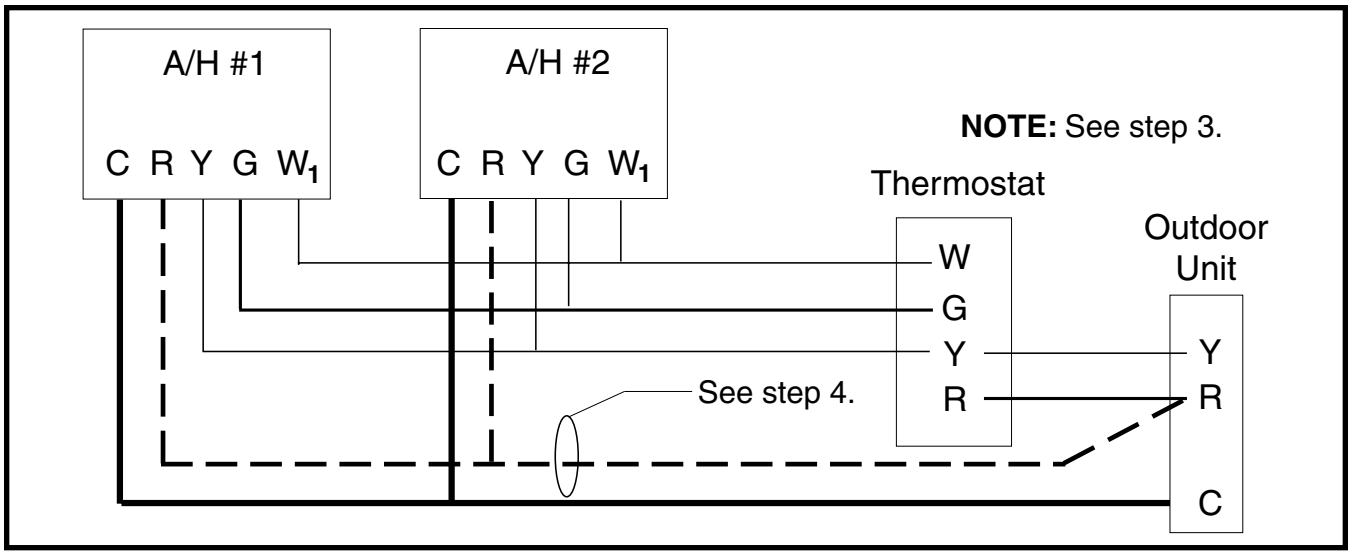

Figure 1. Low Voltage Wiring

708748A (Replaces 7087480)