

COMPRESSOR START KITS

INSTALLATION INSTRUCTIONS FOR COMPRESSOR START KITS

Shipping & Packing List

Package 1 of 1 contains the following:

1 - Start capacitor

- 1 - Potential relay
- 1 - Capacitor bracket
- 1 - Bag assembly including the following:
 - 1 - # 8-32 x 3/8 TFS screw
 - 2 - # 10-32 x 1/2 TFS screw
 - 1 - Wiring diagram sticker
 - 1 - Conversion sticker

Refer to the list of kits and corresponding compressors which begins on page 2 to ensure the correct unit application.

Operation

Single-phase condensing/heat pump units are equipped with a PSC (Permanent Split Capacitor) single-phase motor. In most cases, this motor does not require a potential relay and starting capacitor. However, conditions such as low voltage may require the use of a start kit to increase compressor starting torque.

Installation

- 1 - Turn off power supply to the unit.
- 2 - Install the start capacitor mounting bracket (provided) inside the unit control box using the provided screws. Slide the capacitor into the bracket and secure.

NOTE - If the kit is being installed in a 10ACB, 10HPB, 12ACB or 12HPB unit, it will be necessary to modify the capacitor mounting bracket as outlined below.

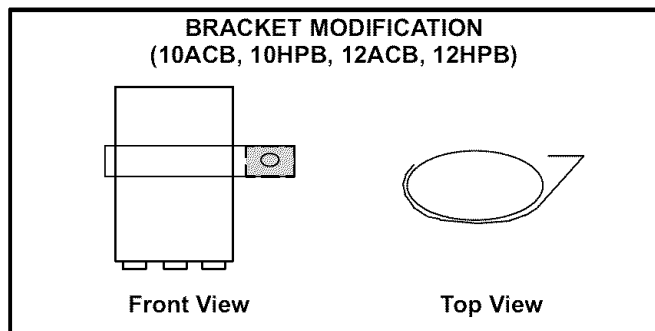


FIGURE 1

- a - Flatten or cut the corner of the bracket which has two holes close together. The bracket should still have one corner and one flat section.
- b - Hold the capacitor in a vertical position. Position the bracket so that the corner of the bracket is on the right side of the capacitor pointing toward the capacitor. Fold the flat metal across the screw hole and form the bracket around the capacitor. Set the capacitor aside.

- c - Install the mounting bracket using the provided screw. Do not tighten screw completely.
- d - Insert capacitor into bracket and tighten screw. Capacitor should still move slightly in the bracket. It should not fall beyond stop in control box.
- 5 - Install the relay inside unit control box using the provided screw (if necessary).
NOTE - Relay is position-sensitive. It must be installed with the screw at the top.
- 6 - Complete all wiring according to the wiring diagram in figure 2. Affix the adhesive-backed diagram (provided in the bag assembly) on the unit, preferably next to existing unit wiring diagram.
- 7 - Affix the CSR sticker next to the unit wiring diagram. This sticker will indicate to future service providers that the start capacitor and potential relay have been added to convert the system to CSR operation.
- 8 - Turn on the power supply to the unit.

⚠ WARNING

INSTALL ALL PARTS INCLUDED IN THIS KIT! Check the compressor start kit table on the following page for proper kit usage. Remove all existing start components (if applicable) and install the new start kit components.

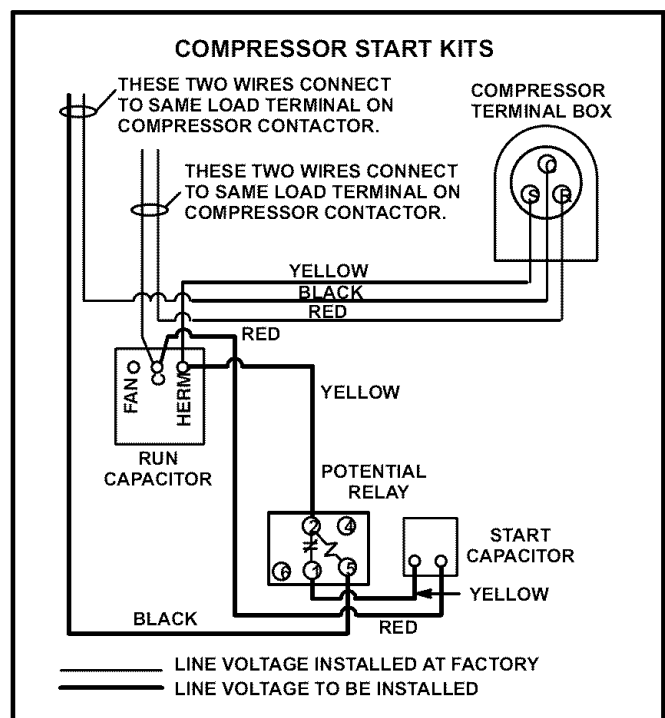


FIGURE 2

COMPRESSOR START KITS

Start Kit	Compressor	Potential Relay	Start Capacitor
LB-32100BJ (10J39)	69H6201	58H6601	P-8-3576
LB-32100BK (10J49)	72H3401	10B1701	44A9301
	68J5001		
	63K8301		
	78H2701		
	14K8801		
LB-32100BL (10J41)	72H3301	P-8-2525	44A9301
	18J7001		
	68J5201		
	22J001		
LB-32100BM (10J42)	49K3401	P-8-3577	47A6001
	68J7201		
	66J4401		
	67K4001		
	68J7301		
	67K4101		
	67K4201		
	68J7501		
	72H7501		
	72H7801		
	27J2401		
	99K1001		
	99K1101		
	19L1901		
	80K1901		
	80K2001		
	80K2101		
	80K2201		
LB-32100BN (12J90)	74H4501	10B1701	47A6001
	68J5101		
LB-32100BP (12J91)	68J5401	10B1701	P-8-1101
	68J5301		
	74H4601		
LB-32100BR (23J47)	74H5801	21J2801	21J2901
	86H7801		
	25J5701		
LB-32100BS (64J09)	68J5501	10B1701	72H7201
	53J7701		
	53J7801		
	68J5601		
LB-32100BT (81J68)	18H7301	P-8-1617	47A6001
	42J2901		
	98G2001		
	81G6601		
	81G6701		
	81G6801		
	97H5001		
	97H5101		
LB-32100BW (81J69)	53J0501	P-8-3577	21J2901
	68J0701		
	53J0601		
	48J2101		
	57J4401		
	88K2001		
LB-32100BX (98J22)	68J5701	P-8-3577	P-8-1101
LB-32100BAB (19K41)	14K8701	68J4201	47A6001
LB-32100BAC (66K91)	63K6801	58H6601	44A9301
	14K8901		
	14K9001		
LB-32100BAD (66K92)	63K6901	P-8-3577	44A9301
LB-32100BAH (41L87)	25J9701	39L4601	21J2901