R410-A Expansion Valve Replacement For R-22 Fan Coils

Kits EBAC05TXVX1, EBAC06TXVX1, & EBAC07TXVX1

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

FAN COIL SIZE	R410-A TXV KIT NUMBER	FAST #
18, 24, 30	EBAC05TXVX1	1172348
35, 36, 42	EBAC06TXVX1	1172349
48, 60	EBAC07TXVX1	1172350

PLEASE! UNDER NO CIRCUMSTANCES LEAVE THE LINES OPEN TO THE ATMOSPHERE FOR ANY PERIOD OF TIME.

This kit utilizes a non-bleed expansion R410-A valve that allows the installer to replace an existing R-22 valve. Check proper size TXV as per the specification sheet table.

NOTE: Always use two (2) wrenches when removing or installing fittings to avoid bending or twisting any tubes.

- **1.** Remove existing tie down strap and remove TXV valve, by loosening the flare nut.
- 2. Remove temperature sensing bulb.
- **3.** Unbraze existing equalizer line and disconnect from suction line.

R410-A OPERATION ONLY

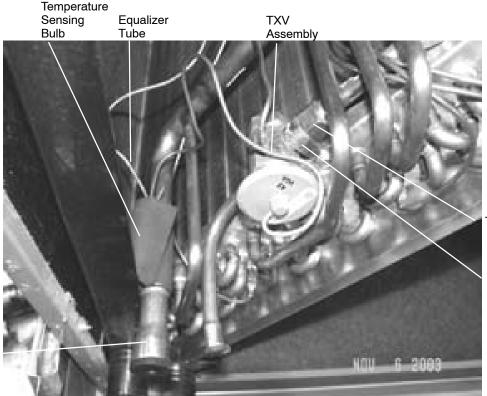
- **4.** Attach the replacement TXV assembly to the flare fitting and tighten finger tight, then tighten an additional 1/6 turn (one hex flat).
- **5.** Insert the equalizer line into the suction line and braze using a suitable alloy such as Silfos–5. **NOTE: The equalizer tube MUST point upward so it will not collect oil.**

NOTE: Allow suction line time to cool (ambient temperature) prior to installing temperature sensor bulb.

- **6.** Mount the Temperature Sensing Bulb on the suction manifold with the mounting clamp. The sensing bulb should be located at the 4 o'clock or 8 o'clock position. **MAKE SURE** the bulb is straight on the manifold with good contact.
- 7. Check for leaks.

CHARGING GUIDELINES

Systems equipped with this expansion valve kit should be charged using liquid subcooling method. For optimum performance, subcooling should be set to 10°F to 12°F (-12°C to -11°C) with outdoor ambient between 65°F and 115°F (18°C and 46°C).



TXV Flare Nut

TXV Tie Down

Suction Tube