

R410-A Expansion Valve Replacement

Kits EBAC01TXVX1, EBAC02TXVX1, EBAC03TXVX, & EBAC04TXVX

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

WARNING

R410-A OPERATION ONLY

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

This kit utilizes a non-bleed expansion valve that allows the installer to replace an expansion valve.

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

1. Unbraid existing equalizer line and disconnect from suction line.

2. Attach the replacement TXV assembly to the flow control housing and tighten finger tight, then tighten an additional 1/6 turn (one hex flat). Check proper size TXV as per the specification sheet table.

3. 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.**

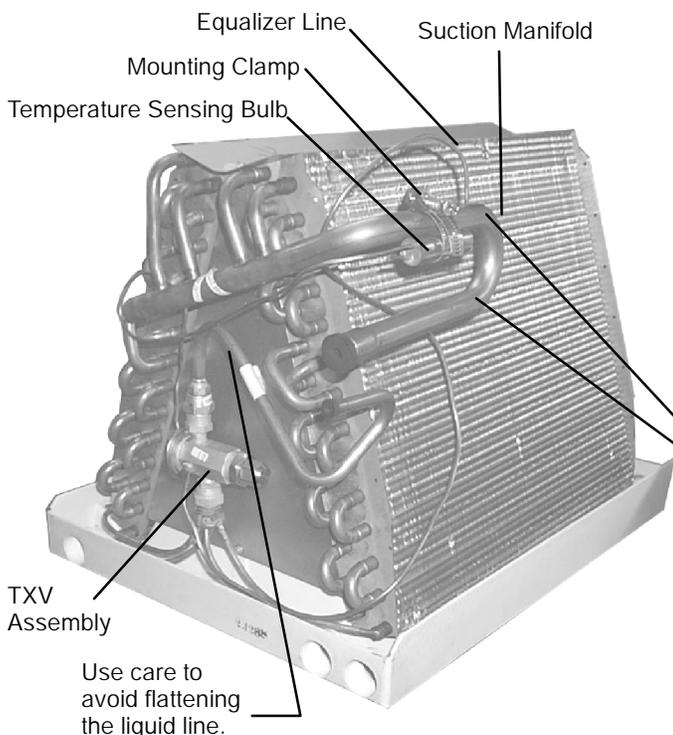
4. Clean the suction manifold where the sensing bulb will be located. Mount the Temperature Sensing Bulb on the suction manifold with the mounting clamp. The sensing bulb should be located at the 4 o'clock or 8 o'clock position. **MAKE SURE** the bulb is straight on the manifold with good contact.

5. Install the liquid line assembly on the expansion valve and reform the tube to match the opening in the coil cabinet tubing plate. Use care to avoid flattening the tube in the bend area.

NOTE: On smaller size coils it will be necessary to push down on the expansion valve to bend the distributor tubes so the liquid line will fit under the suction manifold.

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 with outdoor ambient between 65°F and 115°F.



Make sure equalizer line is installed on topside of suction manifold, just before or after return (180°) bend.

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