Multiplex

INSTALLATION INSTRUCTIONS 000003941
Multiplex Model 50 Thermostatic Expansion Valve Kit

This Thermostatic Expansion Valve (TXV) Kit is used on the following Multiplex Models:

- Model 50 designed for R404A refrigerant
- Single TXV with dual port distributor
- Dual TXV with no distributor
- Single TXV with no heat exchange liquid line/suction line solder assembly

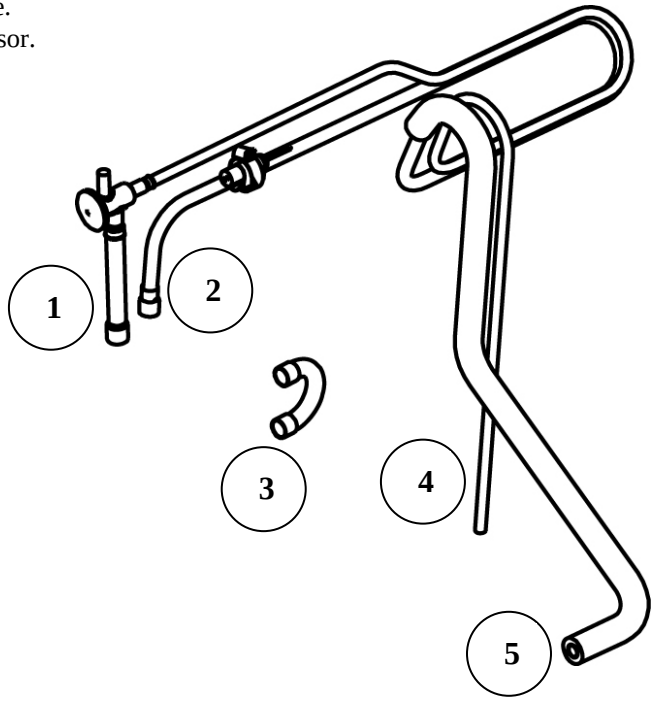
Refer to page 2 to verify this kit can be used on your model.

Kit Components

- Liquid line assembly (.625 OD Adapter to evaporator, .375 to Liquid Line)
- Insulated suction line assembly (.625 OD Adapter to evaporator, .500 OD to Suction Line)
- 180° elbow (u bend) to connect evaporators in series (.625 OD)
- Thermostatic Expansion Valve (TXV)
- TXV Bulb holder and clamp
- Liquid Line Filter/Dryer (not shown).

NOTE: Before starting verify the following:

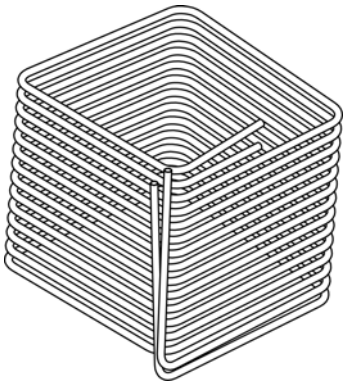
1. TXV outlet mates to existing evaporator inlet.
2. Suction line mates to existing evaporator outlet.
3. 180° Elbow (u bend) connects the two evaporators
4. Liquid line mates to existing liquid line.
5. Suction line mates to existing compressor.



Disassembly:

Remove existing components:

1. Liquid line assembly and TXV(s) to both evaporators.
2. Suction line assembly to both evaporators and compressor.



Installation

1. Use shielding as required to protect surrounding components while brazing.
2. Make all tubing connections before brazing. Do not expose compressor or line drier to atmosphere for more than 15 minutes.
3. Make all connections as shown in illustration below.
4. Mount expansion valve bulb at 1:00 in the location shown. Do not insulate expansion valve bulb.
5. Leak test system with nitrogen.
6. Evacuate system to 500 microns or less.
7. Charge with nameplate refrigerant amount.
8. MAC condensers require an additional 3 lbs of refrigerant.

