

**HEAT PUMP CHECK VALVE
KIT**

**INSTALLATION INSTRUCTIONS FOR HEAT PUMP CHECK VALVE KIT FOR TAA180 — 240
SERIES UNITS**

**RETAIN THESE INSTRUCTIONS FOR
FUTURE REFERENCE**

⚠ WARNING

Improper installation, adjustment, alteration, service or maintenance can cause personal injury, loss of life, or damage to property.

Installation and service must be performed by a licensed professional installer (or equivalent) or a service agency.

⚠ CAUTION

Physical contact with metal edges and corners while applying excessive force or rapid motion can result in personal injury. Be aware of, and use caution when working near these areas during installation or while servicing this equipment.

Shipping and Packing List

Check parts for shipping damage; if any damage is found, immediately contact the last shipping carrier.

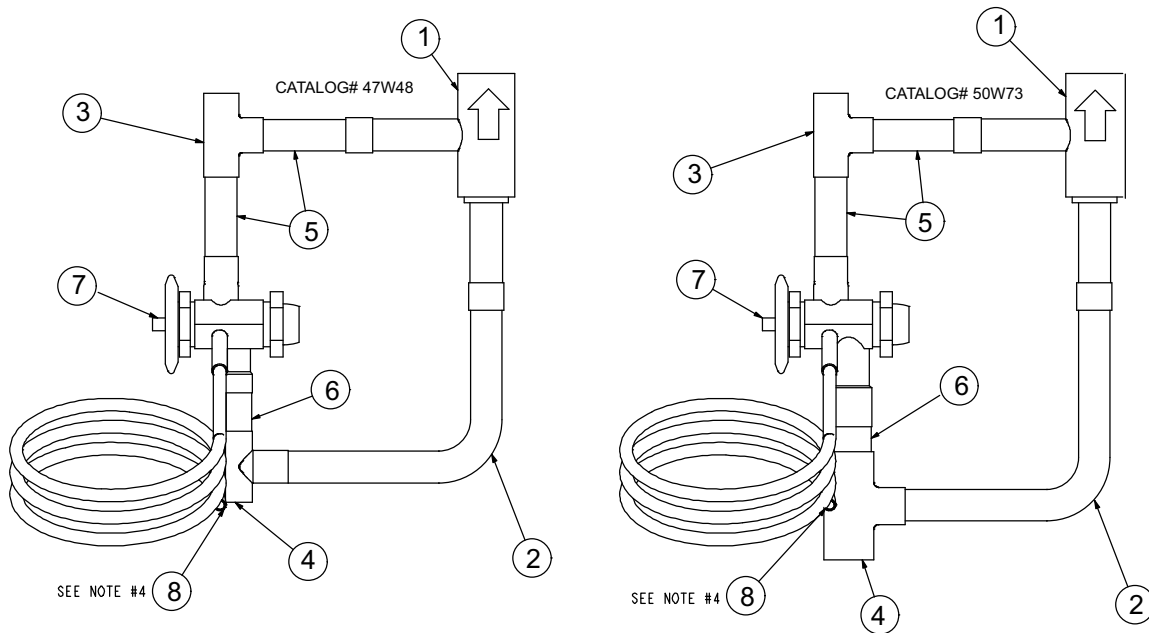
Package 1 of 1 contains the following:

- 1 — Check valve assemblies (for dual circuit coils)
- 1 — Installation instruction

Catalog #	Model #	Part #	Affected Units
47W48	T2CVLV10N-1	603163-01	TAA180
50W73	T2CVLV11N-1	603163-02	TAA240

General

This instruction is intended as a general guide and does not supersede local codes in any way. Consult authorities who have jurisdiction before installation.



- 1. Check Valve (TXV)
- 2. Liquid Line
- 3. Tee
- 4. Tee
- 5. Tube Straight — 5/8"

- 6. Tube Straight
- 7. Expansion Valve
- 8. Tube Equalizer



Installation

⚠ WARNING

Polyol ester (POE) oils used with HFC-410A refrigerant absorb moisture very quickly. It is very important that the refrigerant system be kept closed as much as possible. **DO NOT** remove line set caps or service valve stub caps until you are ready to make connections.

⚠ WARNING



Danger of fire. Bleeding the refrigerant charge from only the high side may result in the low side shell and suction tubing being pressurized. Application of a brazing torch while pressurized may result in ignition of the refrigerant and oil mixture - check the high and low pressures before unbrazing.

⚠ WARNING



When using a high pressure gas such as dry nitrogen to pressurize a air conditioning or heat pump system, use a regulator that can control the pressure down to 1 or 2 psig (6.9 to 13.8 kPa).

⚠ CAUTION

Brazing alloys and flux contain materials which are hazardous to your health.

Avoid breathing vapors or fumes from brazing operations. Perform operations only in well ventilated areas.

Wear gloves and protective goggles or face shield to protect against burns.

Wash hands with soap and water after handling brazing alloys and flux.

1. Loosen screw on clamp and remove sensing bulb from vapor line as illustrated in Figure 1.
2. Cut liquid line and extension tube between TXV and distributor as illustrated in Figure 1.
3. Debraze equalizer line from manifold of coil.
4. Braze check valve assembly to coil as illustrated in Figure 2. Wrap both ends of TXV with a wet rag to protect the TXV internal components. Leave wet rags on TXV until the braze connections have had time to cooled down.
5. Install new TXV sensing bulb in same location as the one removed in step 1. Secure with existing clamp and screw.
6. Repeat above procedure for second-stage.
7. Flush, leak test and evaluate the system before adding refrigerant.

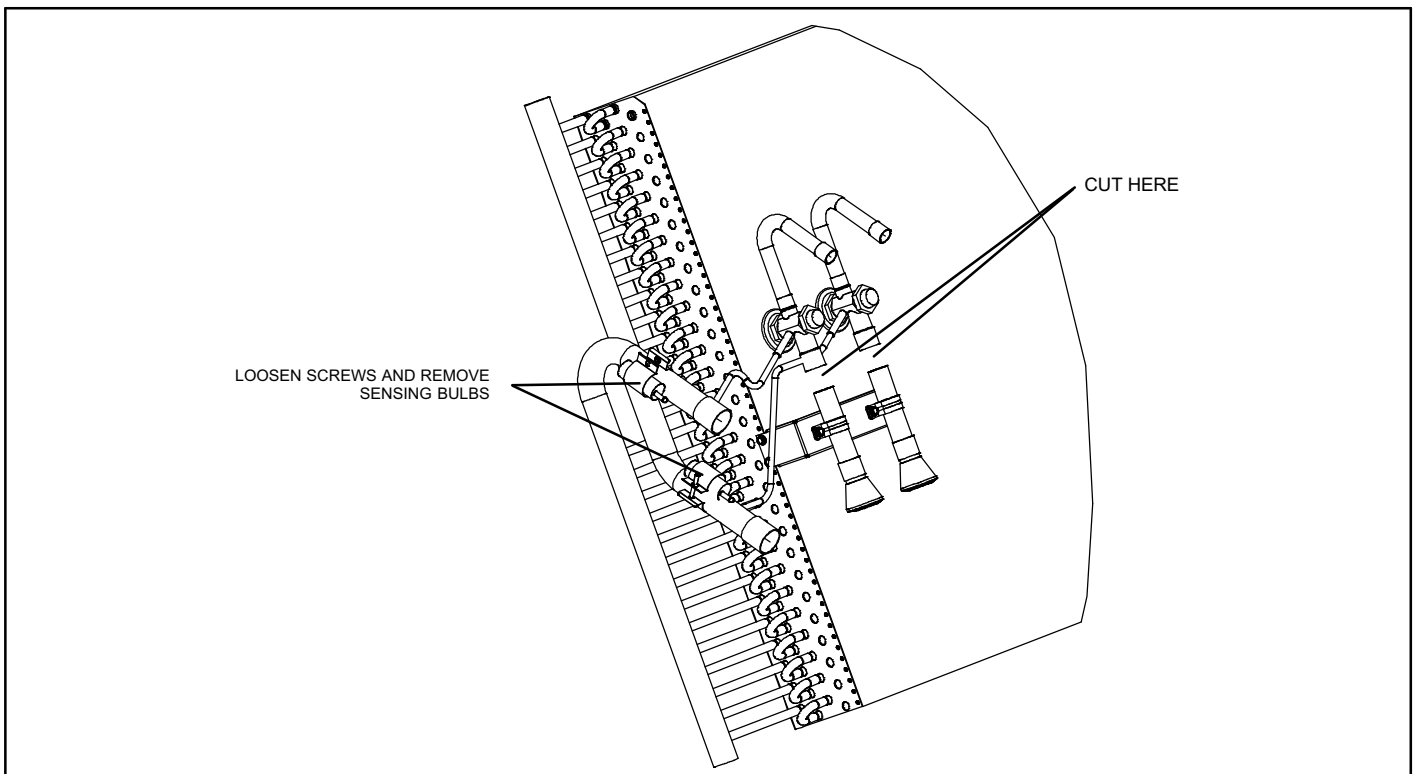


Figure 1. Remove TXVs

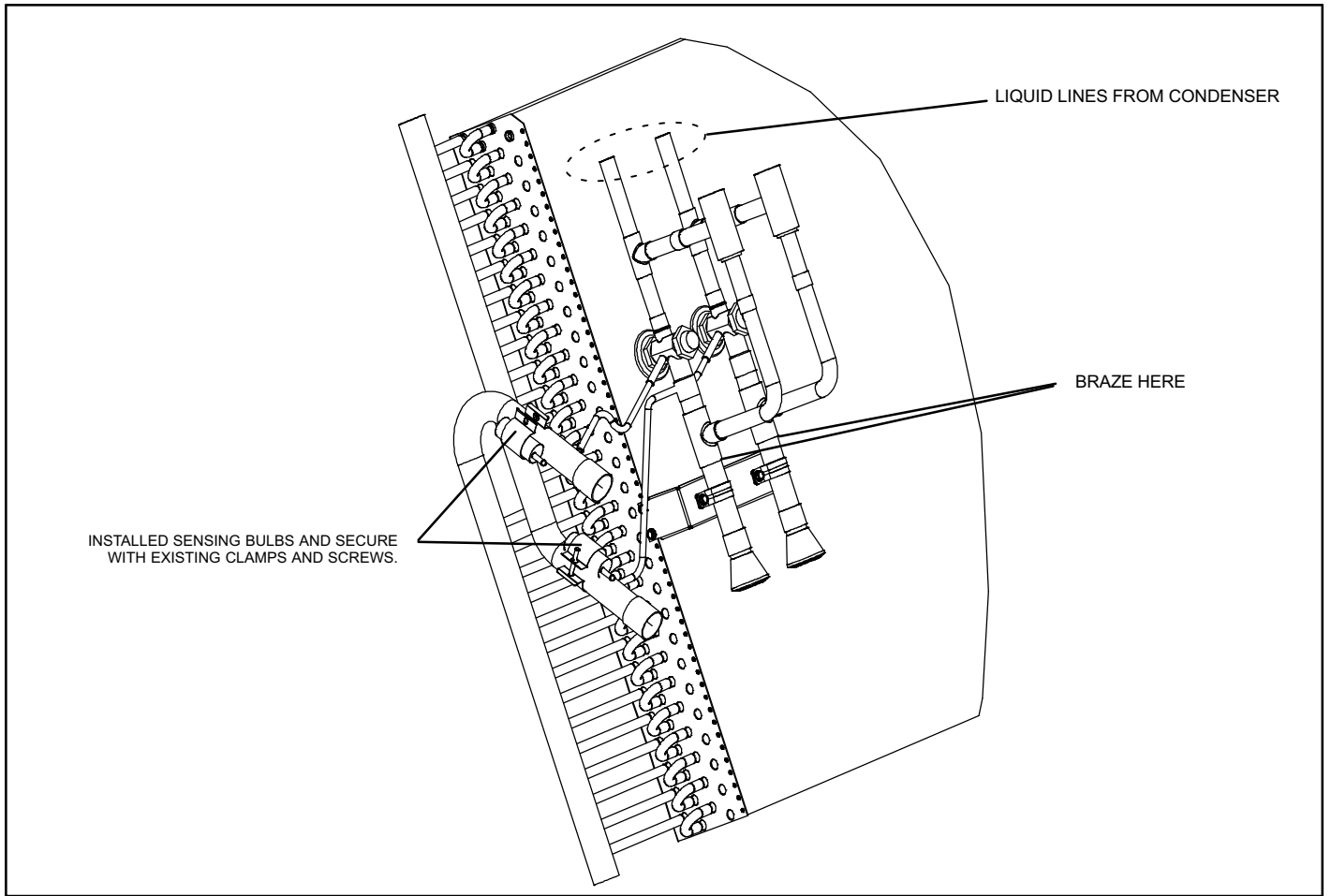


Figure 2. Installed Check Valve Kit