



**INSTALLATION INSTRUCTIONS FOR HEAT PUMP CHECK VALVE KIT –  
USED WITH ELA240 / EL240XA SERIES UNITS**

**RETAIN THESE INSTRUCTIONS FOR  
FUTURE REFERENCE**

**⚠ WARNING**

Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life. Installation and service must be performed by a licensed professional HVAC installer or equivalent, service agency, or the gas supplier.

**⚠ CAUTION**

As with any mechanical equipment, contact with sharp sheet metal edges can result in personal injury. Take care while handling this equipment and wear gloves and protective clothing.

**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:

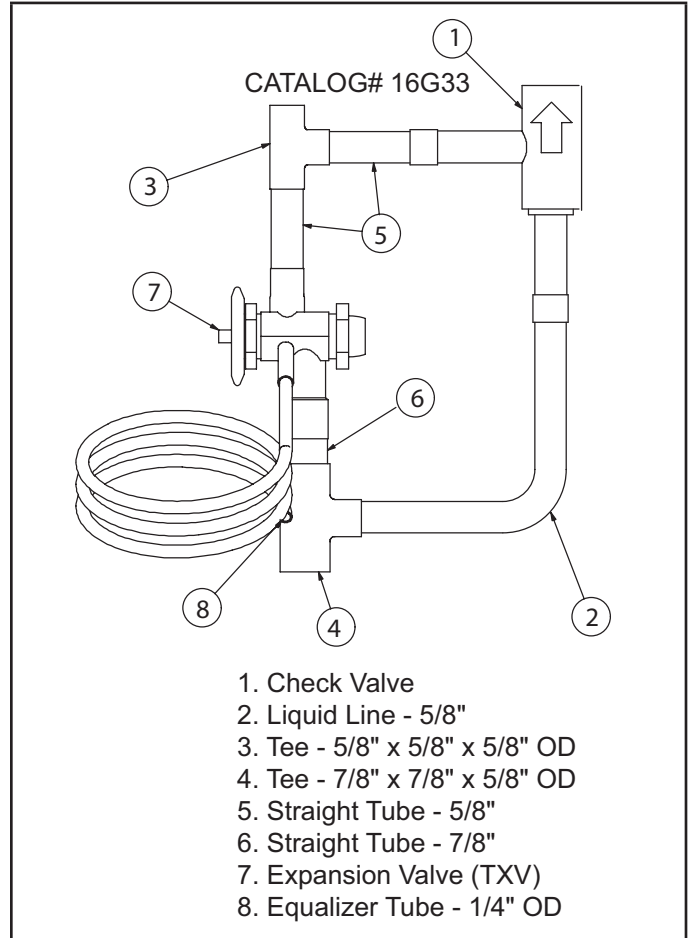
2 – Check valve assemblies (for dual circuit coils)

1 – Installation instruction

Catalog #	Model #	Part #	Affected Units
16G33	A2CVLV11N-1	603163-03	ELA240 EL240XA

**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.



**FIGURE 1. Component Layout**



## 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 pressurization of the low side shell and suction tubing. Application of a brazing torch to a pressurized system may result in ignition of the refrigerant and oil mixture. Check the high and low pressures before applying heat.

### **⚠ WARNING**



Danger of explosion!  
Can cause equipment damage, injury, or death.  
When using a high pressure gas such as dry nitrogen to pressurize a refrigeration or air conditioning system, use a regulator that can control the pressure down to 1 or 2 psig (6.9 to 13.8 kPa).

### **⚠ CAUTION**

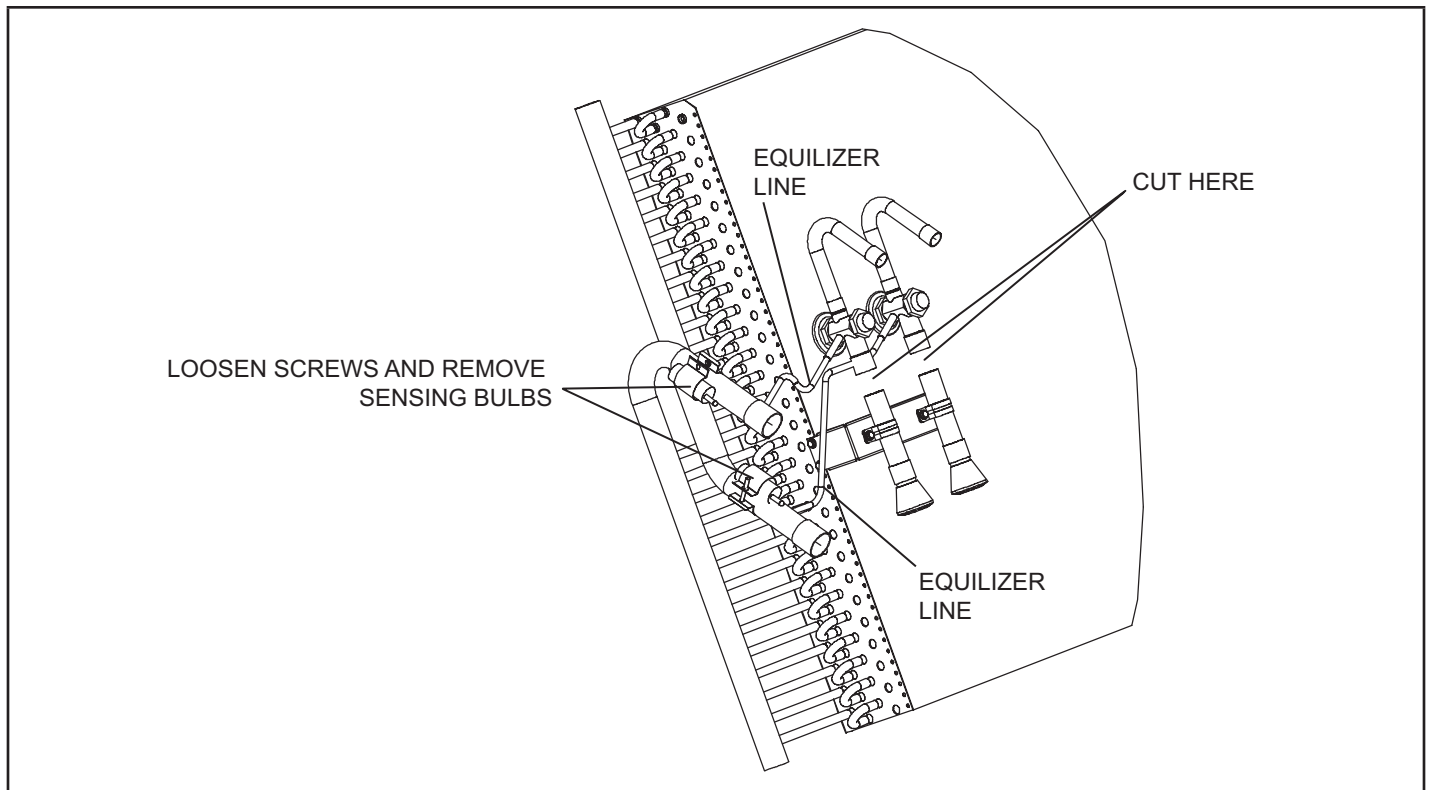
Brazing alloys and flux contain materials which are hazardous to your health.

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

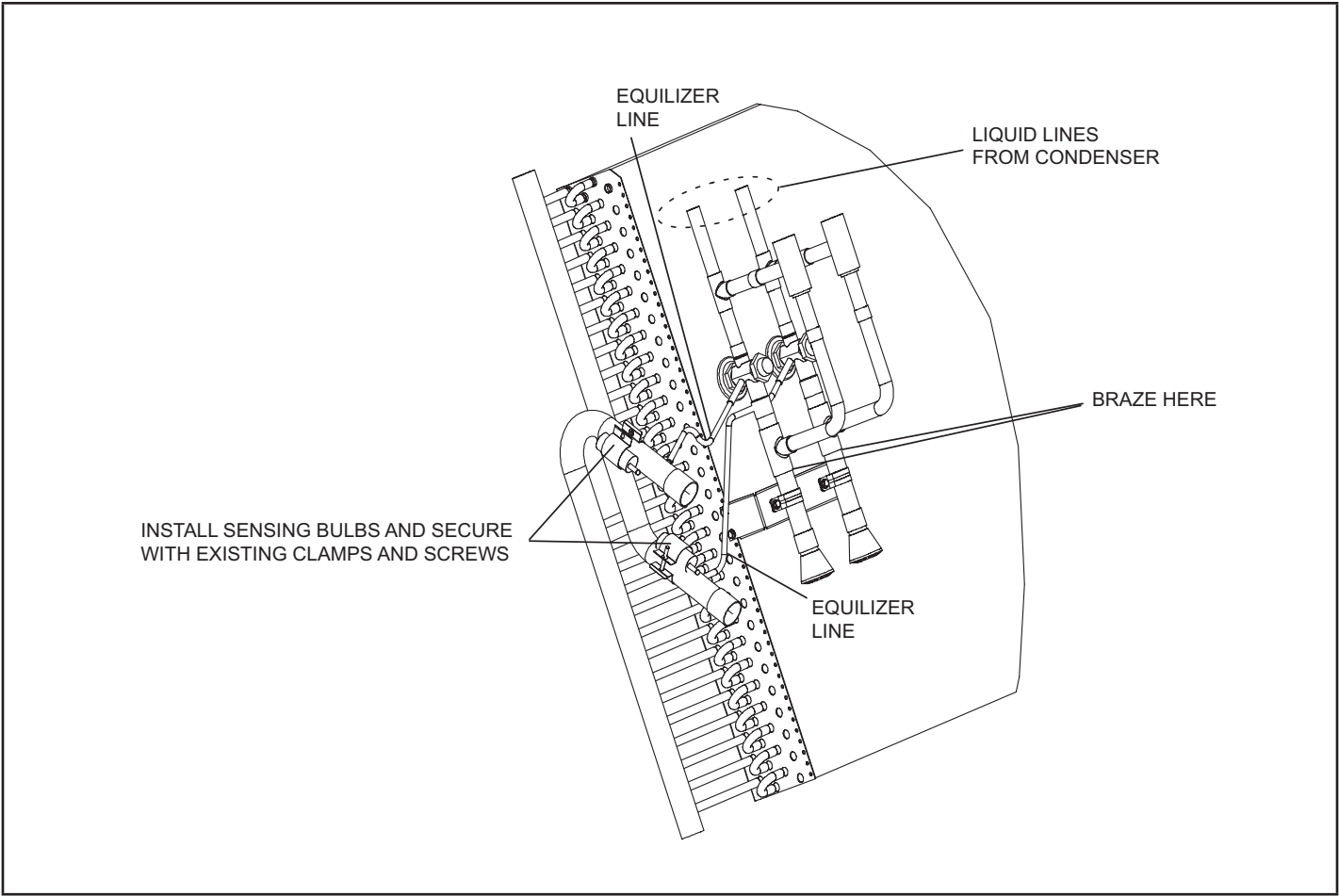
Wear gloves and protective goggles or face shield to protect against burns.

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 2.
- 2 - Cut liquid line and extension tube between TXV and distributor as illustrated in figure 2.
- 3 - Debraze equalizer line from manifold of coil.
- 4 - Braze check valve assembly to coil as illustrated in Figure 3. Wrap both ends of TXV with a wet rag to protect the TXV internal components. Leave wet rags on TXV until the brazed connections have had time to cool 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 evacuate the system before adding refrigerant.



**FIGURE 2. Remove TXVs**



**FIGURE 3. Installed Check Valve Kit**