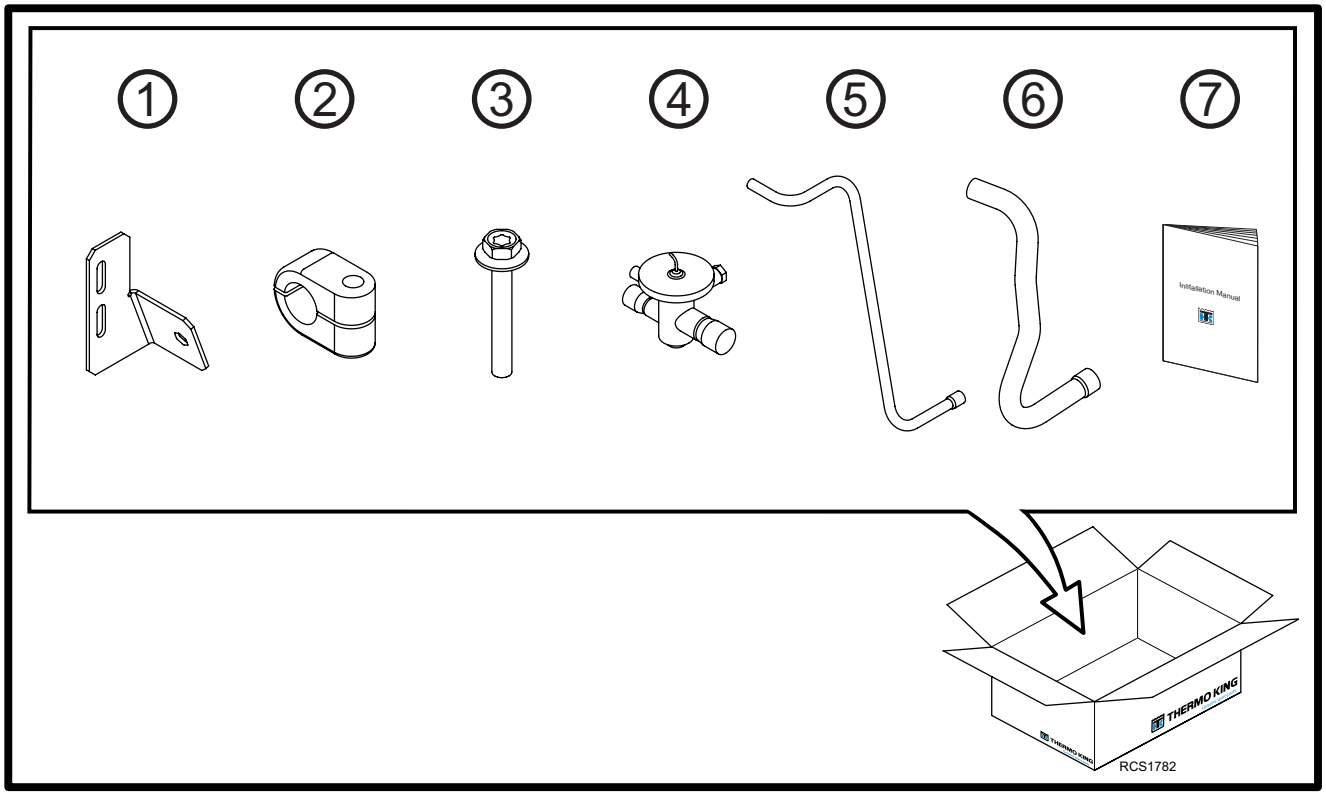
THERMO KING

# Installation Instructions

# TXV Kit 600913 for Precedent™ S-610M units

## Kit 600913




| Item | Part Number | Description | Qty. |
|---|---|---|---|
| 1. | 938373 | Bracket, expansion valve | 1 |
| 2. | 910759 | Clamp, tube | 1 |
| 3. | 512255 | Screw, Sems HH M6 x 1.0 | 1 |
| 4. | 619152 | Valve, thermostatic expansion | 1 |
| 5. | 619569 | Tube, expansion valve to check valve | 1 |
| 6. | 619568 | Tube, expansion valve to solenoid valve | 1 |
| 7. | TK 57018–11–IS | Installation Instructions | 1 |

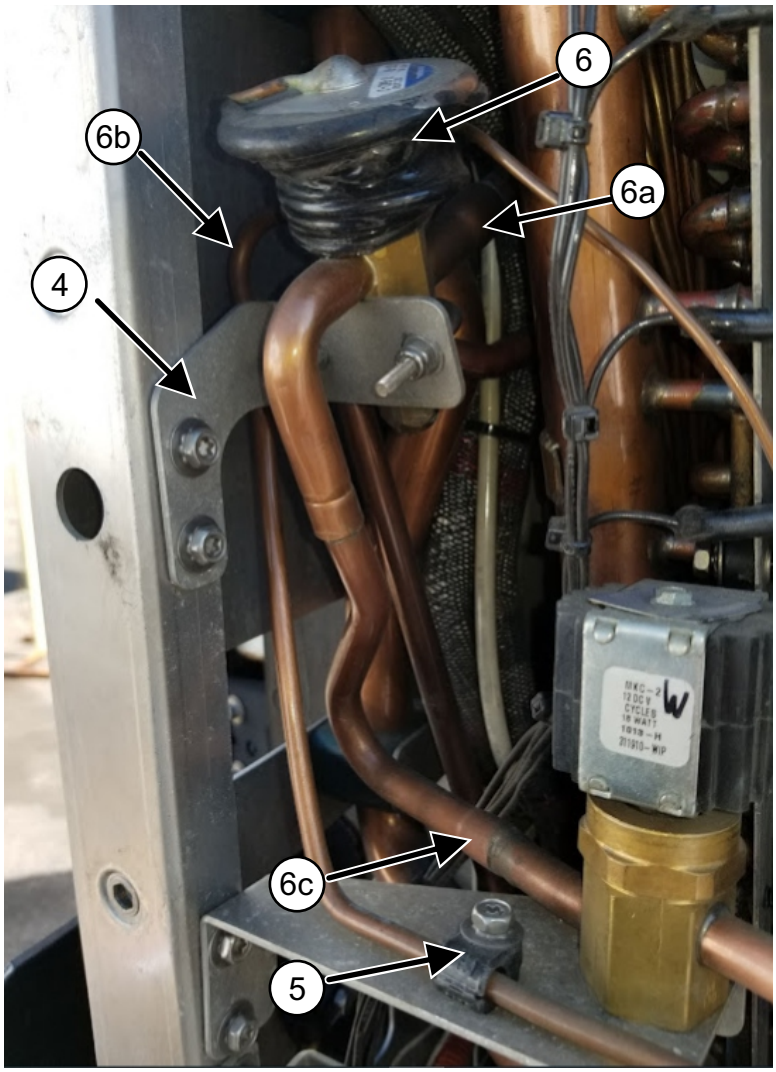

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# Expansion Valve Removal – (616283)

***Note:*** *In the USA all regulated refrigeration service procedures must be performed by an EPA certified technician, using approved equipment and complying with all Federal, State, and Local laws.*

1. Pump down low side and equalize the pressure to slightly positive.
2. Remove evaporator access panels.
3. Remove feeler bulb from clamp. Note position of feeler bulb on suction line.
4. Remove expansion valve mounting bracket from valve and frame. Retain frame hardware.
5. Remove and retain bolt and tube clamp securing ¼" equalizer tube.
6. Remove expansion valve by unsoldering:
   a. ½" distributor inlet tube
   b. ¼" equalizer tube
   c. ½" solenoid outlet tube (at solenoid)

**Figure 1. Expansion Valve Removal – (616283)**




RCS1783

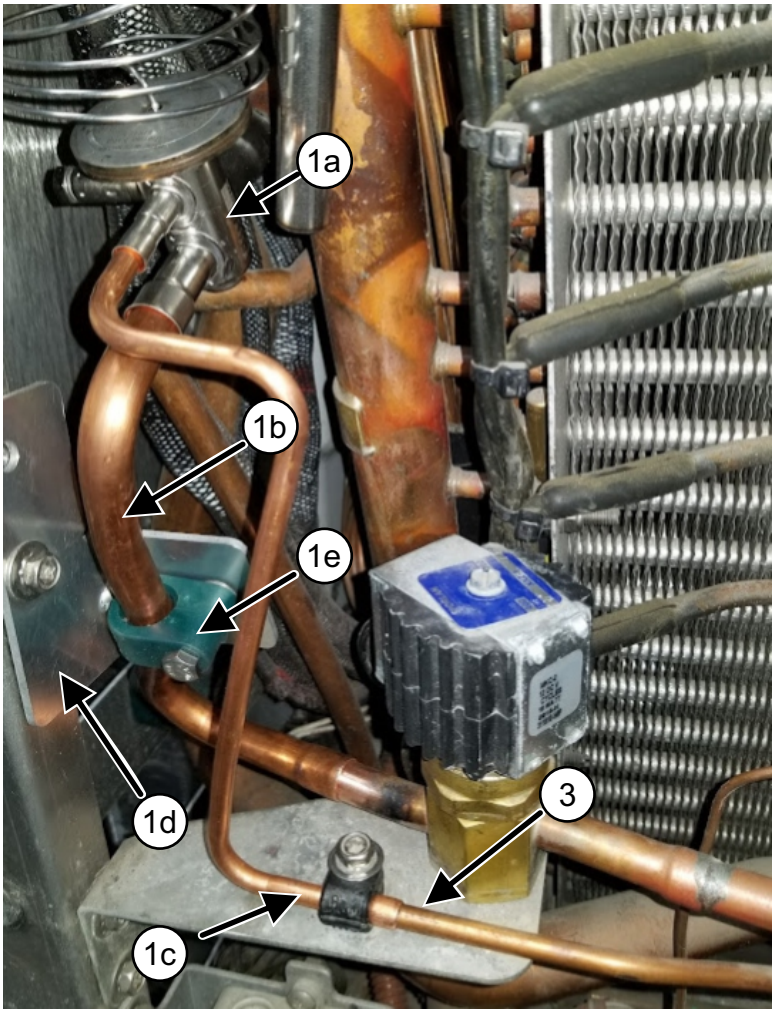

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# Expansion Valve Installation – (619152)

1. Install the following supplied kit components and check tube alignment before soldering:
   a. expansion valve onto 1/2″ distributor inlet tube.
   b. 1/2″ solenoid outlet tube onto expansion valve to solenoid valve.
   c. ¼″ equalizer tube onto expansion valve and joined into existing tube.

      ***Note:*** *Cut existing equalizer tube so it aligns with swage on new ¼″ equalizer tube –* ***DO NOT cut the new tube. Photo shows equalizer tube installed.***
   d. support bracket onto unit with hardware removed earlier.
   e. Sems bolt and tube clamp to hold liquid line and expansion valve in place during soldering.
2. Solder all tube joints.
3. Reinstall tube clamp and screw as shown to secure ¼″ equalizer tube and tighten securely.

**Figure 2. Expansion Valve Installation – (619152)**




RCS1784

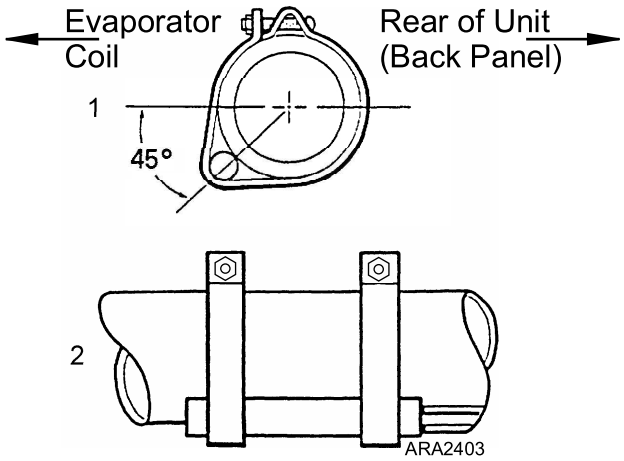

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4. Clean suction line to a bright polished condition.
   a. Install feeler bulb clamps and feeler bulb on side of suction line.

      ***Important:*** *The feeler bulb must make good contact with suction line or operation will be faulty.*

   b. Wrap with insulating tape.

**Figure 3. Location of Expansion Valve Bulb**




| | |
|---|---|
| 1. | End View |
| 2. | Side View |

5. Pressurize low side and test for leaks. If no leaks are found, evacuate low side.
6. Replace access panels.
7. Open refrigeration valves and place unit in operation.
8. Test unit to confirm expansion valve is operating properly.
9. Return unit into service.

# Customer Satisfaction Survey

Let your voice be heard!

Your feedback will help improve our manuals. The survey is accessible through any internet-connected device with a web browser.

Scan the Quick Response (QR) code or click Technical Publications TK Americas Feedback to complete the survey.


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