

For use with Vapor Systems  
Technologies VST California Air  
Resources Board Executive  
Orders VR-203 and VR-204



**Packing List:**

(2) Fuel Path O-rings

**A4005EVR Balance  
Vapor Recovery Nozzle**



**A4119EVR Coaxial  
Safe Break Valve**



**INSTALLATION INSTRUCTIONS**

**Service Tools Required:**

- Pipe Wrench w/ Flat Jaws
- Scribe Tool w/ 90 Degree Tip
- Bench Vise w/ 5" Jaw Width
- Gasoline Approved Container
- Petroleum Jelly or Other Suitable Lubricant

**CAUTION:**

1. Always barricade work area to keep pedestrians and vehicles from accessing the dispenser.
2. Always use a gasoline approved container or test can when performing any type of preventive maintenance.
3. Before attempting to install, remove or service the A4005EVR nozzle and A4119EVR safe break valve, turn off and tag out power to the corresponding dispenser.
4. Before attempting to install, remove or service the A4005EVR nozzle and A4119EVR safe break valve, close the emergency impact valves located inside the base of the dispenser. Relieve the line pressure and standing fuel through the nozzle spout into a gasoline approved container by compressing the bellows and squeezing the lever.

**IMPORTANT: Failure to perform cautions 3 and 4 may result in a hazardous gasoline spill, damage to equipment, personal injury and/or death.**

**Pre-Inspection:**

1. Carefully unpack and remove all kitted parts from the shipping container and evaluate for any kind of damage. Verify that no parts are missing from the packing list before proceeding with the installation.

**Pre-Installation:**

2. Empty all standing fuel within the spout and bellows into a gasoline approved container before attempting to service the fuel path o-rings.



3. It is necessary to remove the A4005EVR nozzle and A4119EVR safe break valve from the curb hose during the removal and installation of the fuel path o-rings. Use the pipe wrench with flat jaws to loosen the curb hose connector. Unfasten the curb hose connector by hand from the A4005EVR nozzle to avoid cross threading.

**IMPORTANT:** Drain the fuel from the hanging hardware into a gasoline approved container when removing the A4005EVR nozzle from the curb hose.



**A4005EVR Nozzle**



**A4119EVR  
Safe Break Valve**

4. Use the bench vise to properly secure the A4005EVR nozzle or A4119EVR safe break valve during service.

**Installation:**

**Removing the Existing Fuel Path O-rings**



**A4005EVR Nozzle**



**A4119EVR  
Safe Break Valve**

5. Use the scribe tool to remove the existing fuel path o-rings.
6. Clean and remove all existing grease, fuel residue, debris, etc. from within the machined grooves.

**IMPORTANT: Properly discard all removed components.**

**Installing the New Fuel Path O-rings**



**A4005EVR Nozzle**



**A4119EVR  
Safe Break Valve**

7. Use the scribe tool to install the new fuel path o-rings. Verify that both o-rings seat properly into the machined grooves.



**A4005EVR Nozzle**



**A4119EVR  
Safe Break Valve**

8. Lightly lubricate the fuel path o-rings using petroleum jelly or other suitable lubricant.

**Post-Installation:**

9. Before attempting to reinstall the A4005EVR nozzle or A4119EVR safe break valve, please refer to the following installation instructions below.

- A4005EVR Balance Vapor Recovery Nozzle p/n 570435
- A4119EVR Coaxial Safe Break Valve p/n 569043

**PREVENTIVE MAINTENANCE**

1. Weekly inspect the A4005EVR nozzle and A4119EVR safe break valve connections for leaks or fuel residue. Replace with factory authorized service kits.

<u>Part Number</u>	<u>Description</u>
494748EVR	Fuel Path O-ring Kit

**PERFORMANCE STANDARDS & SPECIFICATIONS**

This component was factory tested to, and met the following specifications:

1. Meets ARB Material Compatibility with Fuel Blends as per Section 3.8 of CP-201.

**IMPORTANT: Leave these installation instructions, product warranty registration card and the warranty tag with the station owner and/or operator.**

**Emco Wheaton Retail Corp.**  
2300 Industrial Park Dr. • Wilson, NC 27893  
252-243-0150 • 252-243-4759 (fax)

p/n 570541  
Rev. E, 3/13