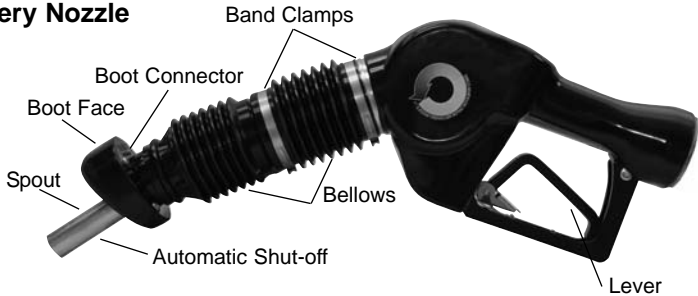


**Packing List:**

- (1) Bellows & Boot Face
- (1) Bellows O-ring
- (2) Bellows Band Clamps



**A4005EVR Balance  
Vapor Recovery Nozzle**



**INSTALLATION INSTRUCTIONS**

**Service Tools Required:**

- Flat Head Screw Driver w/ Fine Tip
- Bench Vise w/ 5" Jaw Width
- Bellows Retainer Plate Tool p/n 494712EVR
- Bellows Band Clamp Crimp Tool p/n 494652EVR
- Scribe Tool w/ 90 degree tip
- Gasoline Approved Container

**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, turn off and tag out power to the corresponding dispenser.
4. Before attempting to install, remove or service the A4005EVR nozzle, 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 bellows and boot face.



3. It is unnecessary to remove the A4005EVR nozzle from the fueling point during the removal and installation of the bellows and boot face. Use the bench vise to properly secure the A4005EVR nozzle during service.

**Installation:**

**Removing the Existing Bellows & Boot Face**



4. Locate the top bellows band clamp. Use the flat head screw driver to dislodge the locking mechanism and remove the band clamp from the bellows.



5. Locate the bottom bellows band clamp. Use the flat head screw driver to dislodge the locking mechanism and remove the band clamp from the bellows.



6. Remove the bellows and boot face from the A4005EVR nozzle. Grab the bellows and pull away from the nozzle body.



7. Use the scribe tool to remove the bellows o-ring.

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

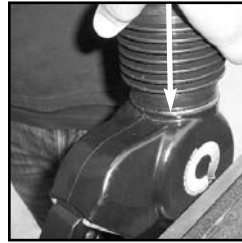
### **Installing the New Bellows & Boot Face**



8. Before attempting to install the new bellows and boot face verify that the top of the interlock push rod is properly aligned with the bottom edge of the interlock guide.



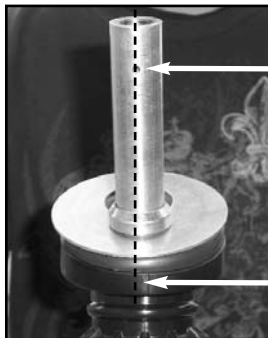
9. Install the new bellows o-ring. Verify that the o-ring seats properly into the machined groove.



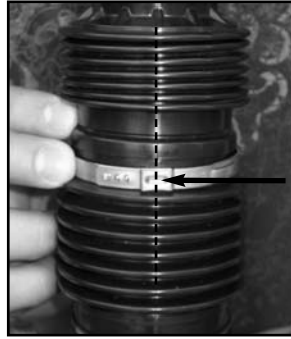
10. Slide the new bellows over the spout until the end reaches the nozzle body. Push down over the bellows o-ring until properly seated.



11. Use the bellows retainer plate tool p/n 494712EVR to secure and lock the bellows and boot face in place.



12. Slowly rotate the bellows until the parting line of the boot connector is aligned with the spout and automatic shut-off.



13. Install the new top bellows band clamp into the groove of the bellows. Lock and align the crimp portion with the parting line of the bellows.



14. Use the bellows band clamp crimp tool p/n 494652EVR to crimp and secure into place.



15. Install the new bottom bellows band clamp into the groove of the bellows. Lock and align the crimp portion with the parting line of the bellows.

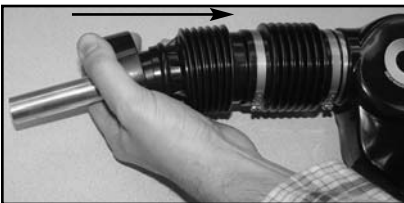


16. Use the bellows band clamp crimp tool p/n 494652EVR to crimp and secure into place.



17. Remove the bellows retainer plate tool p/n 494712EVR from bellows and spout.
18. Remove the A4005EVR nozzle from the bench vise.

**Post-Functional Test:**



19. Functional test the insertion interlock of the A4005EVR nozzle by compressing the bellows and then squeezing the lever. The A4005EVR nozzle will not function unless the insertion interlock is properly engaged.

**Post-Installation:**

20. Place the A4005EVR nozzle back onto the dispenser cradle.

## PREVENTIVE MAINTENANCE

1. Weekly inspect the bellows & boot face for tears, cuts and slits. Replace with factory authorized service kits.

<u>Part Number</u>	<u>Description</u>
492775EVR	Bellows & Boot Face 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.
2. Meets ARB Capable of Refueling Any Vehicle Standards as per Section 4.7.1 of CP-201.

**IMPORTANT: Leave these installation instructions with the station owner and/ or operator.**

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

**Emco Wheaton Retail Corp.**

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p/n 569046  
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