



494794EVR/494795EVR

Primary Repair Kit

For A1004EVR-316S/-317S

INSTALLATION INSTRUCTIONS

It is very important to completely read and follow these instructions precisely.

Emco Supplied Parts

Primary Bellows Assembly

Lid

Rim

(8) 3/8" x 1" bolts

(8) 3/8" x 1 1/4" bolts

(1) Rim gasket

(1) A0031-175K Riser Extension

(2) Bellows support ring segments

Use only if required; see step 5

Service Tools Required

9/16" socket

12" extension and ratchet

Chain wrench or strap wrench

Emco A0081-001 Adapter Wrench

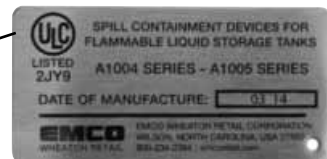
Plumbers putty or heavy grease
(if vacuum testing)

1/4" Allen wrench

Emco A0081-001H Primary
Removal Wrench

Tape Measure

Permanent Identification:



Month/Year of Manufacture



Model #

Model Numbers

494794EVR

494794EVRC

494795EVR

494795EVRC

Description

Primary Replacement Kit for A1004EVR-316S,
5 gal poly with drain, cast lid

Primary Replacement Kit for A1004EVR-316S,
5 gal poly with drain, composite lid

Primary Replacement Kit for A1004EVR-317S,
5 gal poly with drain plug, cast lid

Primary Replacement Kit for A1004EVR-317S,
5 gal poly with drain plug, composite lid

CAUTION:

Always barricade to keep pedestrians and vehicles from accessing the storage tank area during preventive maintenance and/ or compliance testing of the EMCO phase I EVR system.



Step 1: Remove lid, cap, adapter and dipstick or gauge. Disconnect drain chain. If date and model number tags are present, remove and set aside.



Step 2: Remove the rim bolts from the primary rim. Discard bolts.

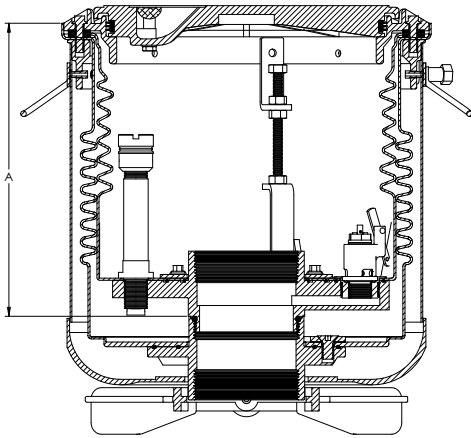


Step 3: Remove primary unit using the A0081-001H Wrench by inserting the wrench into the drain channel. Discard primary unit.



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Step 4: Measure from grade down to the top of the secondary flange as shown by dimension "A" above. If dimension A is greater than 13", install A0031-175K Riser Extension included with the kit. Do Not use pipe dope on either set of threads.

Step 5: If the secondary has noticeable indentations, proceed to step 6. If not, proceed to step 7. If there are no noticeable indentations, the bellows support ring segments are not required and can be discarded.



Step 6: Slide both bellows support ring segments underneath the secondary bellows, lining up holes in the secondary bellows. The longer bolts may be required.



Step 7: Place new bellows gasket over the secondary bellows holes.



Step 8: Install the new primary bellows using the A0081-001H to tighten lining up the holes in the primary bellows with the rim holes in the secondary bellows.

Step 9: Loosely install (8) $\frac{3}{8}$ " x 1" bolts into rim. **Make certain that the bolts engage threaded hole under secondary bellows before proceeding.** If washer segments were used in Step 6, the $\frac{3}{8}$ " x $1\frac{1}{4}$ " bolts may be required.

Step 10: Tighten all 8 bolts to 20 ft. lbs.



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Spill Containment with Overfill Prevention Valve or Straight Drop Tube, Riser Seal, Swivel Fill Adapter and Fill Adapter Cap

1. When installing the A1004EVR spill containment with an Emco Wheaton overfill prevention valve, please refer to the A1100EVR installation instructions.
2. When installing the A1004EVR spill containment with an Emco Wheaton straight drop tube, please refer to the A0020EVR and A0020EVRC installation instructions.

IMPORTANT: The fill riser installation will only allow for one type of EVR drop tube configuration.

3. When installing the A1004EVR spill containment with an Emco Wheaton riser seal, please refer to the 494096 installation instructions.
4. When installing the A1004EVR spill containment with an Emco Wheaton swivel fill adapter, please refer to the A0030-124S installation instructions.
5. When installing the A1004EVR spill containment with an Emco Wheaton fill adapter cap, please refer to the A0097-005 installation instructions.

Spill Containment with Swivel Vapor Adapter and Vapor Adapter Cap

1. When installing the A1004EVR spill containment with an Emco Wheaton swivel vapor adapter, please refer to the A0076-124S installation instructions.
2. When installing the A1004EVR spill containment with an Emco Wheaton vapor adapter cap, please refer to the A0099-002, -003 installation instructions.

Clean-up and Finish

1. Clean and remove all debris from the inside of the A1004EVR spill containment, drain valve and filter assembly.
2. Paint the new A1004EVR spill containment rim to match the color of the lid.
3. Once the paint on the rim has dried, re-install the A1004EVR spill containment lid.

Reattach date and model number tags.

Perform test procedures as specified by customer or local regulations.



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PREVENTIVE MAINTENANCE

1. Quarterly verify that the inside of the A1004EVR spill containment is free of all dirt, gravel, debris, etc. Should cleaning be required, wipe the inside wall and bottom of the A1004EVR spill containment using soapy water and a disposable towel.
2. After each delivery, the station operator must remove any standing fuel from the inside of the A1004EVR spill containment. If gasoline does not drain, refer to the #494118 drain valve preventive maintenance instructions.

IMPORTANT: During routine preventive maintenance all damaged components must be replaced with factory authorized service kits.

Service Repair Kits

<u>Part Number</u>	<u>Description</u>
• 494118	Drain Valve Kit
• A1004-316LID	Lid and Seal
• 494794EVR	-316S Primary Replacement Kit
• 494795EVR	-317S Primary Replacement Kit

PERFORMANCE SPECIFICATIONS

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

TP-201.1D - Complies with the allowable maximum leakrate of 0.17 CFH @ 2.00 inches of water.

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

Tank Operator Responsibilities

Tank operator must ensure that all Federal, Provincial and local codes are being met during the filling of the tank. All operators must be familiar with proper filling procedures.

The operator responsible for transferring product to an above ground storage tank must take all reasonable steps to prevent spillage.

The delivery hose from the tank's fill pipe must not be disconnected before the hose has been drained completely.

When tank vehicles are being unloaded, the vehicle operators must remain

- (a) in constant view of the transfer nozzle and fill pipe; and
- (b) in constant attendance at the discharge control valve.