EMCO®
WHEATON RETAIL

494897
Replacement Seal
A1005-517GS

INSTALLATION INSTRUCTIONS

Required Tools :
9/16” socket
12” extension & ratchet
Emco A0081-001 Adapter Wrench

1. Remove lid, cap and adapter.

2.The riser pipe must be free of any rust in the seal area. If necessary, clean using a rotary wire brush or other mechanical means. A clean/rust-free surface is mandatory to ensure proper sealing.

3. Wrap riser threads with duct tape to prevent threads from damaging the new gasket seal.

4. Remove all three bolts, washers, grounding clip, ring flange and seal. If necessary, insert one bolt into the threaded hole and use it to break the flange loose.

5. Lubricate the inside diameter of the new gasket seal with petroleum jelly or suitable lubricant. Install the new gasket seal.

6. Install the ring flange with 2 of the 3 bolts and washers.

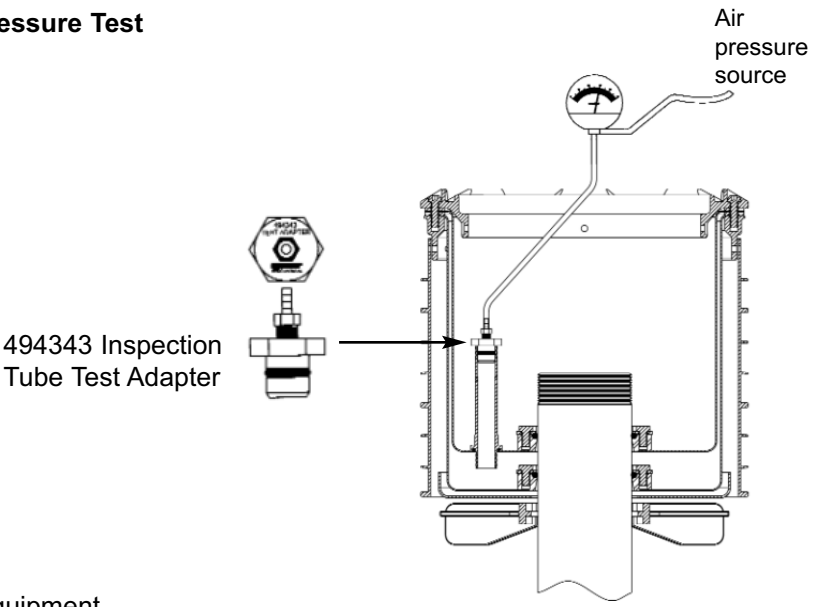
7. Use the third bolt to install the grounding clip. The grounding clip must touch the riser pipe. Torque all ten bolts to 15 ft. lbs.

8. Reinstall adapter and cap. Test the unit using one of the following methods.

Integrity Testing Options

A) Pressure Test
B) Vacuum Test
C) Hydrostatic Test

Pressure Test



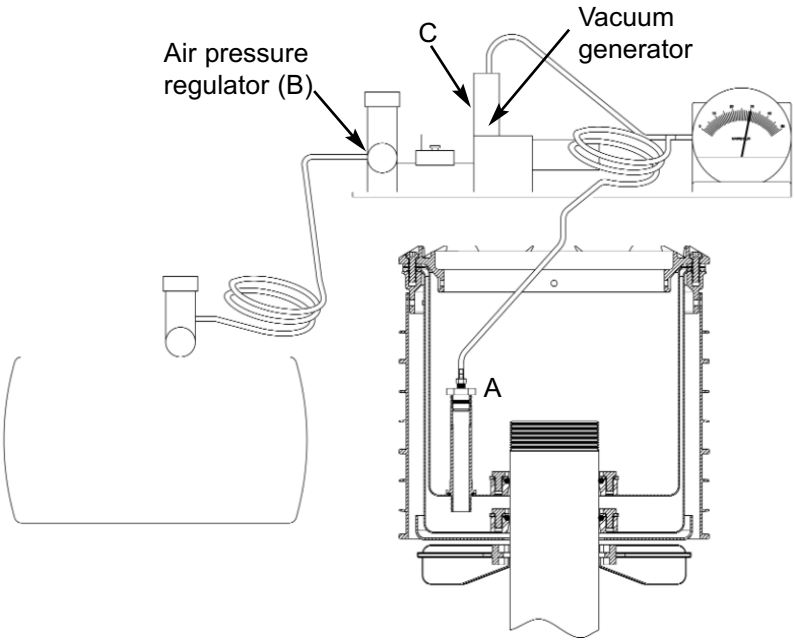
Equipment

Emco 494343 Inspection Tube Test Adapter
(Procured separately from spill containment)
Air pressure gauge, scale 0-10 psi
Soap solution

Procedure

1. Attach Emco Wheaton 494343 Inspection Tube Test Adapter in inspection port.
2. Pressurize the secondary containment interstitial space to 1.5 psi.
3. Apply soap solution to rim and bolts, around base of gauge tube and flange base. Observe for leakage.
4. If leakage/bubbles appear in any of these areas, check the torque value on bolts and retest. If leaks persist, remove gaskets. Clean, reassemble and retest.

VacuumTest



Equipment

Emco A1004-210TEST Vacuum apparatus w/test adapter 494343
(or supplied by other)
Timer
Air supply

Procedure

1. Remove the gauge from the inspection port and install the test adapter p/n 494343 (A, included with the vacuum apparatus), otherwise purchase separately.
2. Attach air pressure source to air pressure regulator (B) on vacuum apparatus.
3. Slowly apply vacuum of 30” water column (2.2” mercury) to the interstitial space. (On the Emco tester, this is accomplished by moving the toggle switch, C). Wait 30 seconds for the vacuum reading to stabilize, then reapply 30” water column as required.
4. Ensure that the vacuum source is off (C switch on Emco tester to center position), and start timer. Record vacuum after 1 minute.
5. If the vacuum after 1 minute is 26” water column (1.9” mercury) or greater, both the primary and the secondary containment vessels are tight.
6. If test fails, perform Pressure Test (Step 7A) for confirmation.
7. Replace components or repair as necessary.
8. Reinstall gauge.

Hydrostatic Test

Many local regulators require a hydrostatic test. Check your local code requirements before performing this test.

A typical test would be to fill the spill containment with water to within 2” of rim. Measure initial level and replace lid. Let stand for at least 8 hours and measure final level. If final level is lower, check interstitial gage to determine if fluid is leaking into the secondary containment. If gage indicates leakage, remove gage, retest interstitial space (Step 7A or 7B). If test is successful, replace gage.

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

p/n 571792
04/15, Rev. A