

# INSTALLATION INSTRUCTIONS FOR RUPTURE DISCS IN SALCO QUICK INSPECTS (Style 3)

## Inspection of the Quick Inspect Housing

Note: Only an AAR Class G Registered facility (minimum) can remove from or replace a safety vent (QI) housing to a tank car. This orientation not recommended for Zook disc.

1. Inspect for possible defects. Cracks, signs of excessive wear, missing components etc. Replace if necessary.

### To inspect the rupture disc and gaskets:

2. Remove the top cap, the rupture disc securement cap and rupture disc.
  - a. Thoroughly inspect both sides of the rupture disc (Figure 1). Replace disc if it is missing a white gasket or clear Teflon gasket, any signs of discoloration, if the disc is blown or any other suspect condition.
3. Remove the Hazarsolve surge protector and the surge protector gasket. If the surge protector and surge protector gasket are located underneath the body, (Flanged Type) please skip this step.
  - a. Inspect the surge protector gasket for defects and replace if necessary.  
Gasket defects may include: stretching, mis-shaping, flattened or missing. Replace and/or install as necessary.

### Reinstall the components in this order:

4. 1/8" thick, narrow gasket - surge protector gasket
5. Hazarsolve Surge protector
6. Rupture disc. **DO NOT REMOVE ANY CLEAR TEFLON OR WHITE GASKET FROM THE DISC** (Figure 1) These gaskets should be on both sides of the disc  
Make sure that rupture disc is centered in housing.
7. Replace the rupture disc securement cap. Tighten until it is **HAND** tight.
8. Using the SALCO Quick Inspect Wrench (Figure 2) – lay the wrench across the tabs (Figure 3) and make 1/4 turn.  
If you do not have a Quick Inspect Wrench, place a 3/8" flat bar across the set of tabs. With a rubber mallet, gently tap the bar so it makes 1/4 turn  
**DO NOT OVERTIGHTEN** - over tightening can distort the disc and may affect performance. The ring around the cap is supposed to spin around.
9. Perform leak test.  
If there is a leak, re-check all gaskets, disc and assembly and then re-test. If there is a leak after the second test, please contact car shipper to schedule mobile crew for assistance.
10. If no leaks are found, remove excess leak solution by blowing out the excess solution through the vent holes or dabbing the area until dry with the use of a clean absorbent cloth.
11. Install the top cap **Hand Tight**
12. Apply cable seal for tamper evidence purposes, if desired.

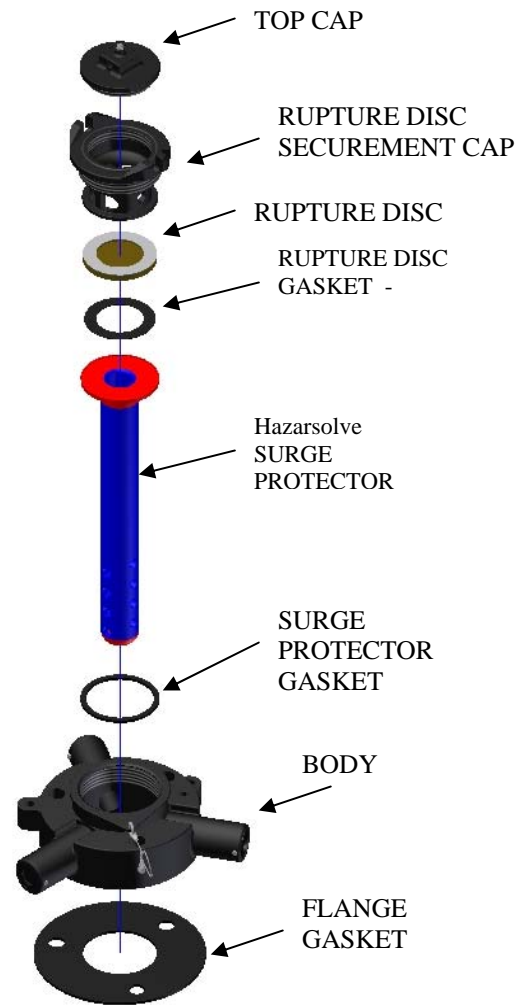


Figure 1

Salco Part # RD165PL2  
Oseco 165 psi Ryton disc with  
teflon liner both sides, 3-1/8" OD



Figure 2  
Quick Inspect Wrench

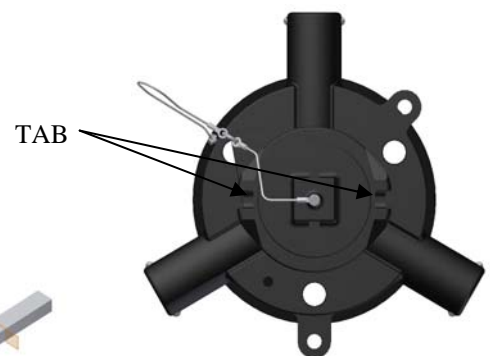


Figure 3