

INSTALLATION INSTRUCTIONS FOR 4.75” (Large) RUPTURE DISCS USED IN CONJUNCTION WITH SALCO QUICK INSPECTS (Style 1)

Inspection of the Quick Inspect Housing

Note: Only an AAR Class G Registered facility (minimum) can remove or replace a safety vent (QI) housing to a tank car for any reason other than to inspect or change out the rupture disc.

1. Inspect for possible defects: Cracks signs of excessive wear, missing components etc. Replace if necessary.
2. Thoroughly inspect both sides of the rupture disc (Figure 1). By either of the below methods
 - a. Remove the entire quick inspect housing to expose the sandwiched rupture disc.
 - b. Remove one bolt and loosen the other bolts enough to be able to slide the disc out of the housing to inspect or replace.
3. Replace disc if it is missing any OEM gaskets, including the clear Teflon gasket, any signs of discoloration, if the disc is blown or any other suspect condition.
4. Make sure the disc is properly centered beneath the QI housing. . It should fit snug within the bolt circle when the fasteners are in place.
5. Inspect the fasteners to ensure they are in good condition, replace if necessary.
6. Re-fasten or re-apply the Quick Inspect following the application instructions. Be sure flange gasket is in place before installation. Use only Salco Gaskets or equivalent. Attach unit to car with (3) 5/8” bolts. Tighten bolts rotationally and incrementally to ensure even pressure. Torque requirements 35-40 Ft. Lbs. **DO NOT OVER TIGHTEN**
7. **DO NOT REMOVE ANY CLEAR TEFLON, WHITE or BLACK GASKETS FROM THE DISC**
8. Replace the rupture disc securement cap. Tighten until it is **HAND** tight.
9. Using the SALCO Quick Inspect Wrench (blue 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 may affect performance. The ring around the cap is supposed to spin around.
10. 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.
11. 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 an absorbent cloth.
12. Install the top cap **HAND TIGHT**
13. Apply cable seal for tamper evidence purposes, if desired

4.75” Rupture Discs - Figure 1. Oseco and Zook

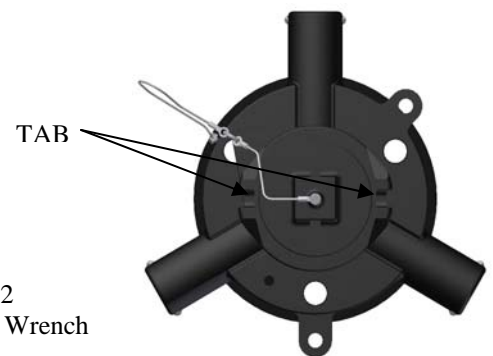
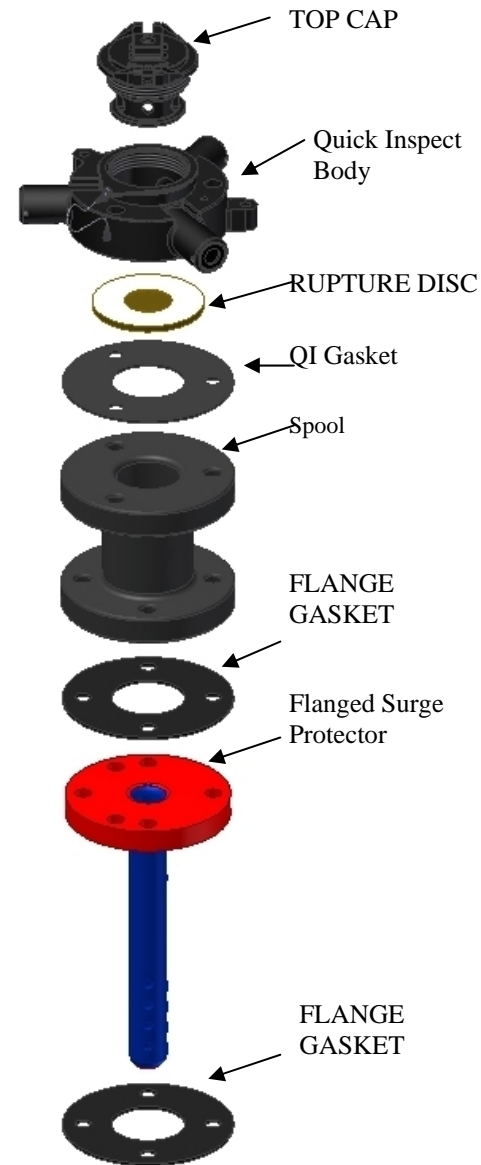


Figure 2
Quick Inspect Wrench

Figure 3

