

INSTALLATION INSTRUCTIONS FOR THREAD ON QUICK CONNECT ADAPTERS

The following procedure is a guide for replacement of a standard threaded tank car bottom outlet downleg and cap. Because of the differences in existing arrangements, some of these procedures may not be necessary and conversely, there may be additional steps that may be needed to perform the retrofit.

1. Using an appropriate wrench, remove the existing outlet nozzle cap and leave the cap hanging on the attachment chain.
2. Cut the outlet nozzle cap attachment chain as close to the car body as possible leaving one link attached to the car body. This link will be used later to attach the SALCO Thread On Quick Connect Adapter unit. Discard the used cap and all the attached appurtenances.
3. Using a wire brush or stiff bristled brush, clean the threads of the existing tank car nozzle and the bottom sealing surface of the nozzle. It is very important that the sealing surface of the nozzle is free from dirt, rust or scale and that it does not have any nicks, cuts, burrs, gouges, etc. Any damage to the sealing surface may not allow the gasket to seat properly. If there are nicks or cuts in the tank car nozzle, they must be repaired before proceeding.
4. Remove the assembled SALCO Thread On Quick Connect Adapter unit from the packaging. Remove the thread protector from the unit and inspect the gasket inside the unit. Make sure the gasket is clean and there are no foreign materials in the adapter unit.
5. Thread the unit onto the tank car outlet nozzle and tighten using a 36" pipe wrench.
6. Using the S-hook provided with the unit, attach the adapter chain to the link that remained on the tank car as described in Step #2. Squeeze the S-hook closed to ensure the chain does not unhook itself.
7. Using the second S-hook provided with the unit, attach the cap chain to the adapter chain as close to the car body as possible. If the cap hangs 12" or less from the top of the rail, the chain should be shortened. Squeeze the S-hook closed to ensure the chain does not unhook itself.
8. (OPTIONAL - For users who purchase the stainless steel strip.) Place the strap against the flange of the downleg and the adapter. Weld the strap to the adapter. Hammer the strap in place so that strap touches the nozzle. Weld the strap to the nozzle. Do not weld the threaded area.