

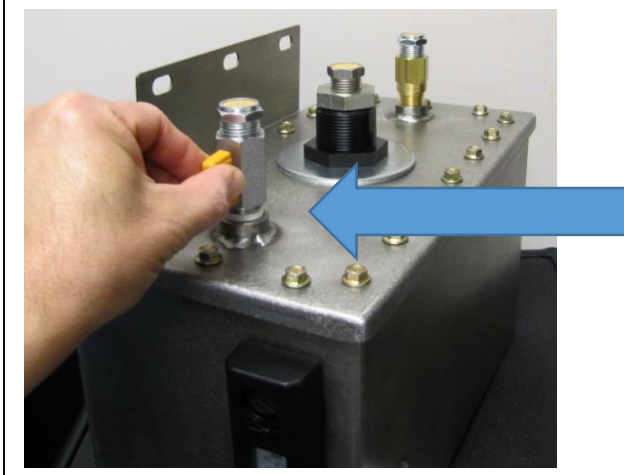


Reservoir installation instructions

Note: For the coolant evaporation inhibitor reservoir to work properly it is highly recommended that the system be flushed of all fluid and refilled with the correct water/glycol ratio.

1. Shut down and lock-out all system electronics.
2. Drain the existing cooling system by loosening the drain fittings at the base of the cooling system pump, collect the waste coolant in a waste container for disposal.
3. Remove the existing reservoir from the cabinet (save the mounting nuts).
4. Hang the new assembled KVI unit on the two existing cabinet holes and secure it with the proper size bolts and washers.
5. Install the included bronze ½" NPT x 3/8" barb fitting at the bottom of the new KVI unit and torque to 25-30 ft.-lbs
 - a. The fitting is supplied with a red thread sealant for quick installation when the unit is new from the factory.
 - b. If the barbed fitting has to be removed for servicing then use 3 complete wraps of Oatey pink water line seal tape w/PTFE or equivalent prior to re installation and torque to 25-30 ft.-lbs.
6. If an old plastic reservoir assembly is present, remove the existing fluid inlet connection blue hose, cut it to fit the length of the new reservoir and fully insert it on the 3/8" barb fitting at the bottom of the new KVI unit.
7. Secure the hose to the barb fitting connection with two hose clamps.
8. Open the air exhausting ball valve on top of the reservoir assembly with the orange handle to vent air trapped in the lines while the system is being re filled.
9. Start the cooling system pump, check all fittings, hoses and IGBT's associated system components for leaks while the system is refilling.
10. Fill the reservoir to the 80 °C level mark in the site glass, wait 2 minutes and top off the fluid level in the reservoir if necessary. Wait 2 more minutes and confirm that the fluid level is not dropping due to air purging.
11. Close the air exhausting ball valve (orange handle) on top of the reservoir assembly to seal the system leak tight.
12. Secure IGBT cabinet and resume normal operation.
13. Total installation 30-40 minutes.

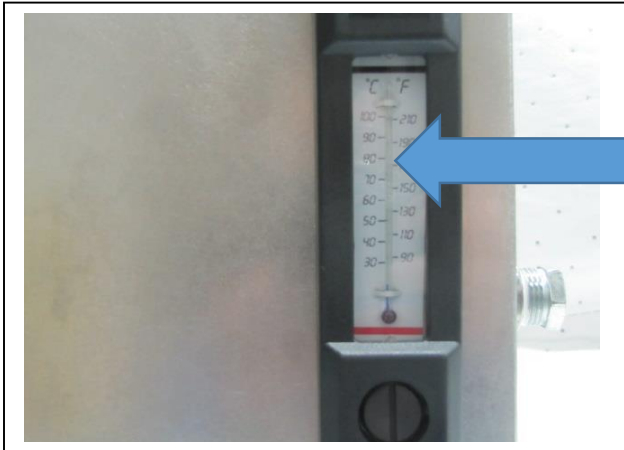
Note: The system should be checked every 24-48 hours for 1 week after installation to insure that no air trapped in the circuit escaped into the reservoir lowering the reservoir fluid level. No further checks should be necessary once the fluid level has stabilized.



See note 7 above, it is important that this valve remains open when the system is being refilled or drained.



See note 4 above, it is important that the proper sealing tape is used and the proper torque is applied to the 1/2" NPT fitting.



See notes 9 and 10 above, it is important the fluid level be at the 80 °C mark before the system is restarted.



See note 5 above. Hose connections at the bottom of the reservoir.

Parts description

