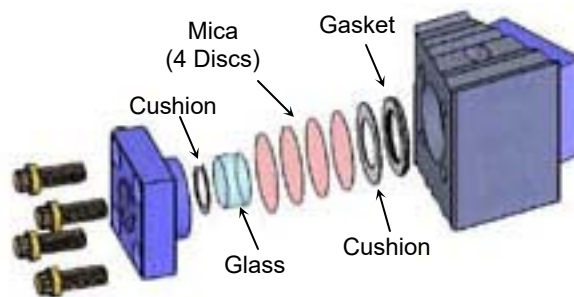


Repair Kit (Quest-Tec P/N: 1-011-30-3000) Steam-Trac STB-3000A and Diamond DP-3000

Port Window Replacement

The STB-3000A can be serviced when mounted to the steam drum, although it is always preferable to remove the gage and perform maintenance on a bench. **The gage must not be serviced unless isolated and all internal pressure is bled to atmosphere. Never attempt to service the gage when pressurized.**

1. Close isolation valves and drain liquid from Gage.
2. Loosen then remove the 4 Bolts fastening the Cover to the Gage; remove Cover from Gage.
3. Remove window components: Glass, Outer Cushion, Mica Disc Set, Inner Cushion and Gasket.
4. Thoroughly clean interior window port surfaces of Cover and Gage; avoid scratching Cushion and Gasket sealing surfaces.
5. Clean Cover Bolts (P/N 1-555-12-010).
6. Apply a generous film of Lubricant (included in Repair Kit) to the bottom half of each Bolt; set Bolts aside for later use.
7. Into Cover bore install Outer Cushion and Glass. Into Gage bore install Gasket, Inner Cushion and Mica Disc Set.
Note: Remove protective tissues from Mica Disc Set before installing and install ALL Mica Discs included in Repair Kit.
8. While maintaining Cushion and Glass position, carefully install Cover into Gage bore and against Mica Disc Set.
9. Verify that all installed window port components are properly aligned by visual inspection through the Cover opening.
10. Install the 4 pre-lubricated Cover Bolts; make-up Bolts finger-tight to hold cover in position.
11. In a cross-pattern, tighten Bolts in increments of 5 ft.-lbs. (6.7 N-m) to a final applied torque of 25 ft.-lbs. (33.6 N-m).
12. Close drain valve and slightly open isolation valves.
13. Allow approximately 10 minutes (or as required) for Gage to reach operating temperature.
14. Close isolation valves and drain liquid from Gage.
15. Before Gage can cool, re-tighten Bolts in a cross-pattern to 25 ft.-lbs. (33.6 N-m).
16. Gage window port assembly is completed and prepared for service.



Replacement Parts

Part Number	Description
1-555-12-010	Cap Screw
1-306-58-020P	Square Cover
1-324-15-276	R-13 Flange Ring, if used