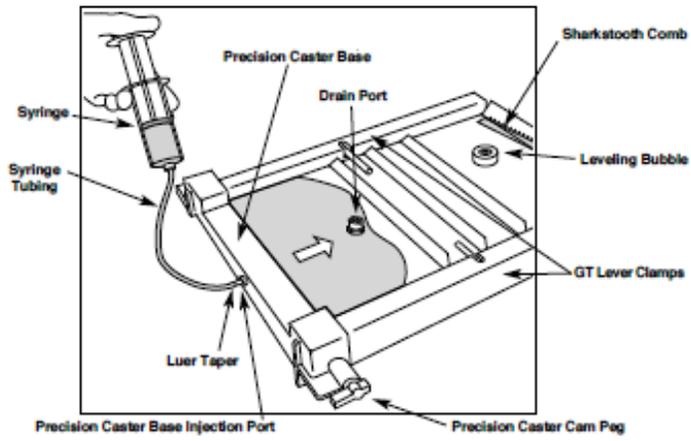
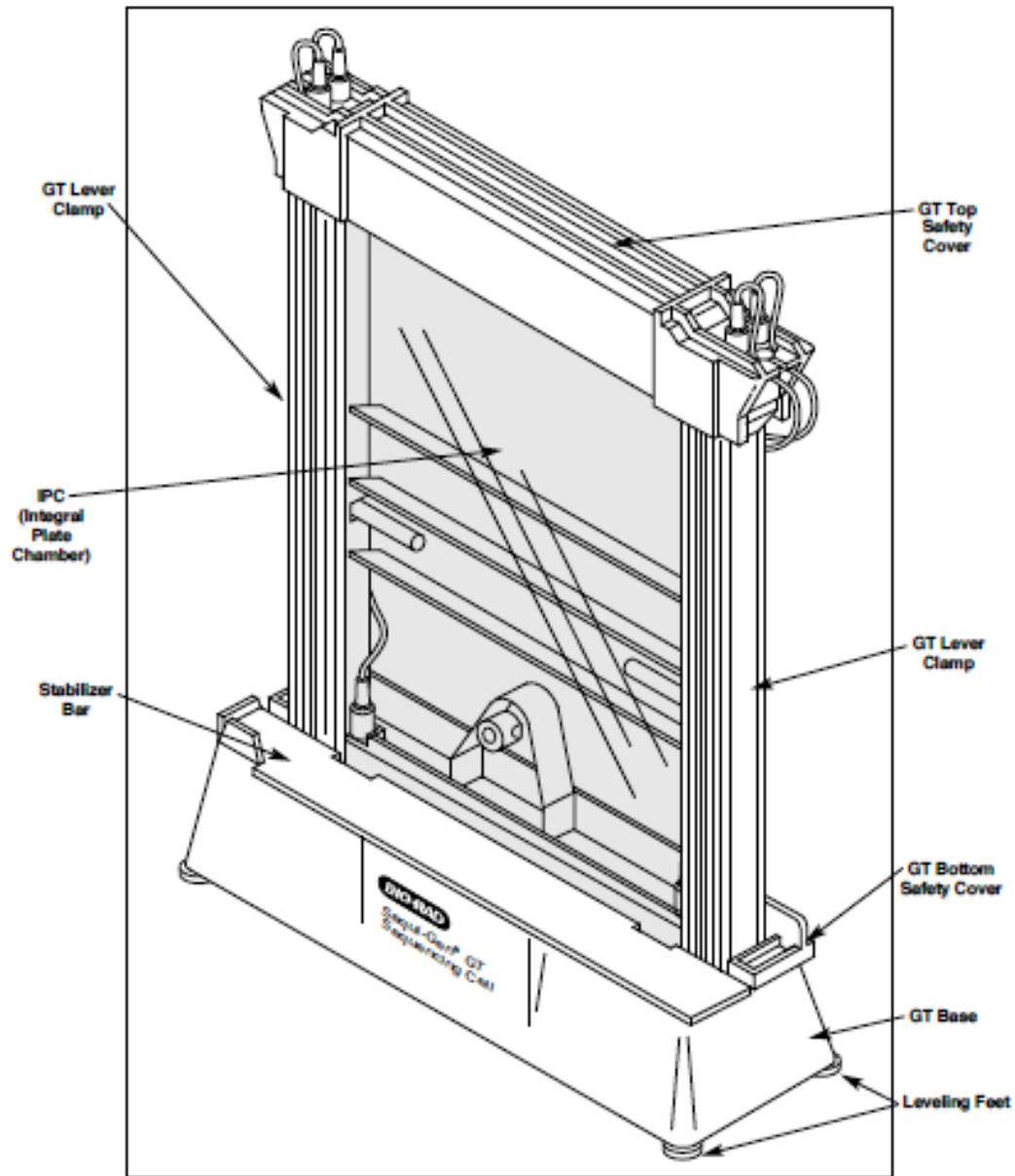
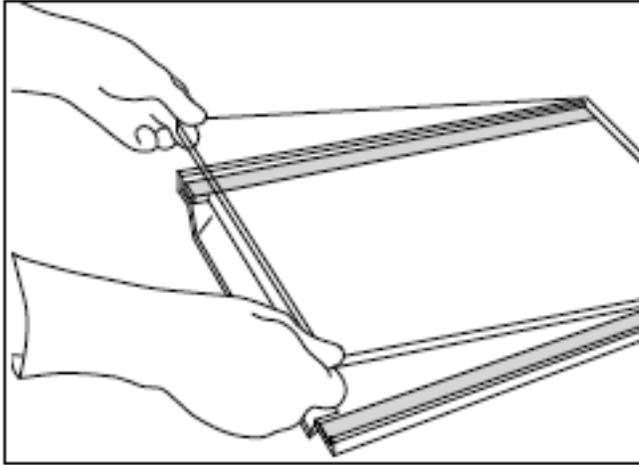


Gel assembly and casting for SSCP

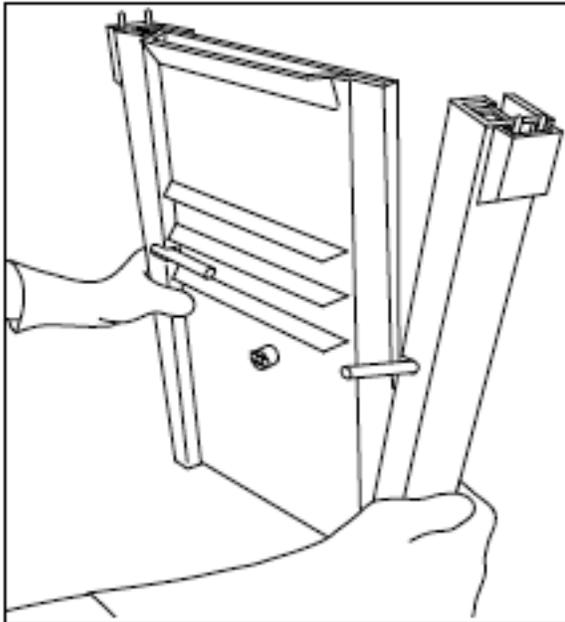




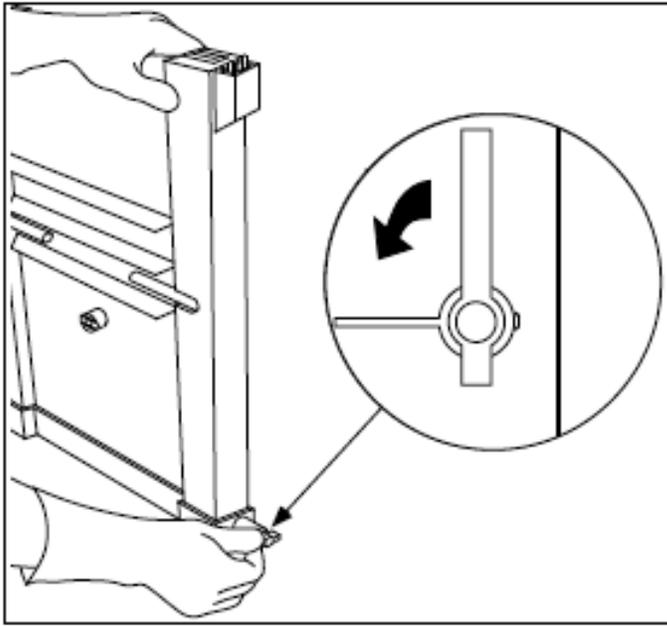
1. Place the IPC flat on the bench, position the spacers along the both edge.
2. Place the glass plate on to the IPC and spacer. Align the assembly properly.



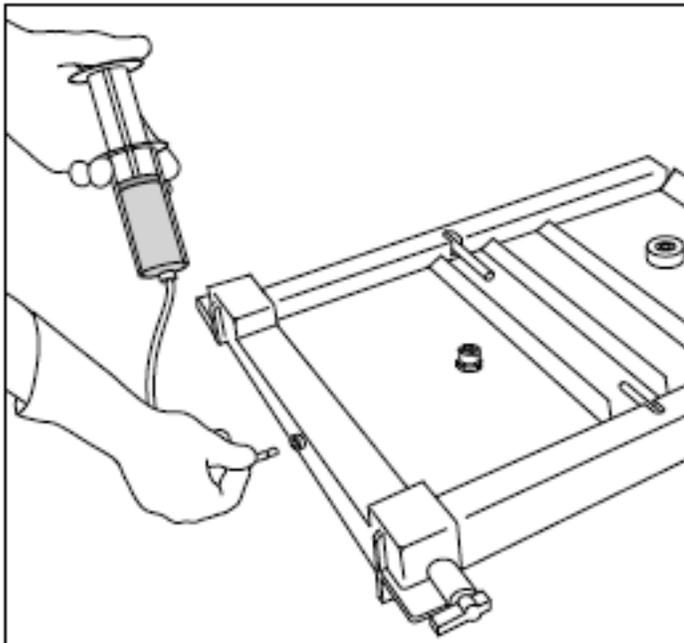
3. Slide the clamps over the assembly with the levers on the IPC side. Align the unit and make sure plates and clamps level from the base. If any of the assembly plates or spacers or clamps are not aligned, loose the clamps and align again.
4. Secure the clamp levels by moving the levels towards the IPC panel.



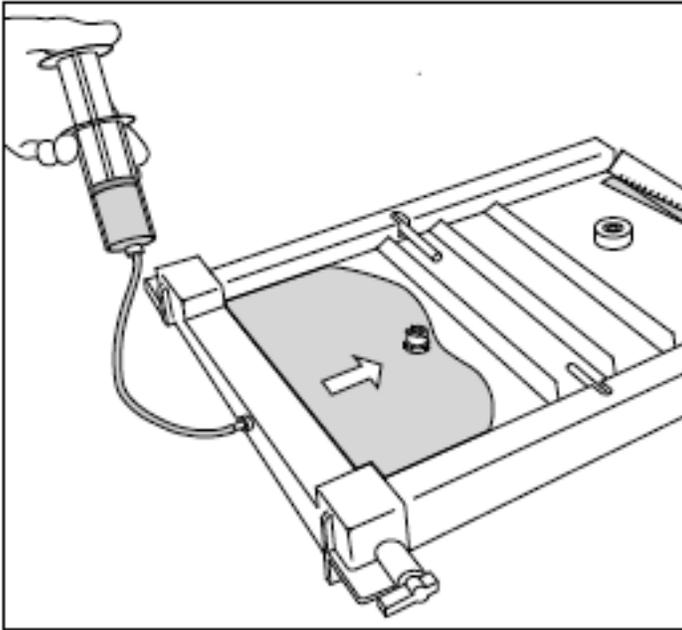
5. Place the precision caster base with the gray gasket into the base on the bench.
6. Place the bottom edge of the IPC/glassplate sandwich assembly into the precision caster base.
7. Push the camp peg into the corresponding holes on the clamps with the level and secure to tightly fit against the plate assembly.



8. Lay the IPC assembly flat on the bench top with the IPC plates and precision caster base facing towards you.
9. Look for the injection port of the base, if properly aligned you can see the space between two glass plates.
10. If no space visible and gray gasket is visible align the caster again.
11. Slowly pull the 8% polyacrylamide gel into the syringe.
12. Tap air bubble to the top of the syringe and gently force them out.
13. When all the air bubbles are removed from the tubing of the syringe, insert the syringe tubing into the injection port of the precision caster base.



14. Slowly inject the gel solution with even pressure on the syringe plunger into the IPC sandwich assembly ensuring no bubbles.



15. Continue to slowly inject the gel solution until the gel solution emerges few centimeter from the top of glass plate.
16. Insert the comb between the plates to the desire depth with shark teeth facing outside.
17. Let the gel polymerized for 30-60 minutes.

