Item 681-130
Film Phantom Assembly

1. Insert the fixed stop in the slot at the "Head" end of the film phantom base. The
   adjustable stop is inserted in the slot at the "Foot" end of the film phantom base.

2. Place the phantom cube and the 1.5 cm and the 5 cm acrylic phantom blocks in
   the film phantom base. The 5 cm phantom block is placed against the fixed stop,
   the 1.5 cm phantom block is next to the 5 cm phantom block and the phantom
   cube is placed at the adjustable stop, "Foot" end on the film phantom base. The
   phantom cube should be placed so the density inserts are facing up and the slot
   for the scale is at the "Foot" end of the phantom base.

3. Insert a Ready-Pack "V" film between the 1.5 cm and 5 cm phantom blocks.
   Tighten the adjustment knob at the "Foot" end of the phantom cube until the film
   is snug between the phantom blocks. The film should be seated in the groove on
   the film phantom base.

4. Insert the steel film marker pin through the hole in the fixed stop and the hole in
   the 5 cm acrylic phantom block. Press the marker pin against the "V" film. The
   hole in the fixed stop marks the isocenter on the film and the hole in the phantom
   block gives a film orientation point.

5. Set the assembled film phantom at the gantry end of the treatment couch. The
   film phantom base should be placed so the "Head" end is at the gantry end of the
   couch.

6. Place the bubble level on the top of the phantom cube and level the film phantom
   using the leveling screws on the base. Adjust the film phantom and couch so the
   CA crosshairs and the lasers line up with the markings on the phantom cube.

7. Move the couch out 8.5 cm; move towards the "Foot" end of the film phantom.
   This will bring the film to isocenter. The side lasers should be on the film edge.

8. Set the collimator for 20 cm wide and .01 cm length.

9. Set gantry angle.

10. Expose "V" film to 40 mu in at least 5 different gantry angles.