

MODEL L-661-662
COLLIMATOR/BEAM ALIGNMENT
TEST TOOL
November 2009

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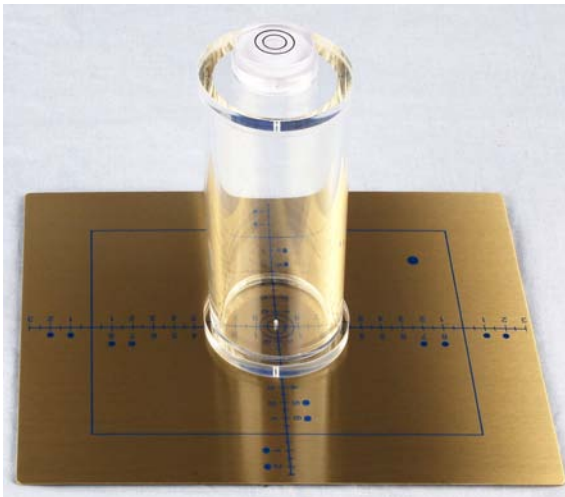
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Introduction

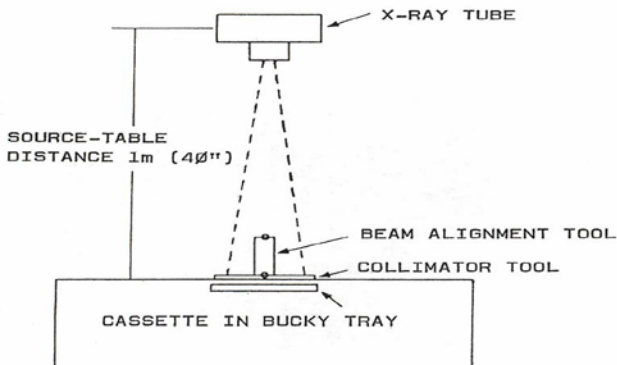
The Model L-661-662 Collimator/Beam Alignment Test Tool combines the capability to measure both collimator light field and x-ray radiation field congruency as well as x-ray tube alignment, in one exposure.

The collimator tool is a flat metallic 8 x 10-inch plate with a scribed rectangular outline. When the collimator is centered to this outline, the collimator tool will provide confirmation of the light and the radiation field alignment. The beam alignment test tool is a 6 x 2.5-inch D cylinder with a small 0.0625-inch diameter steel bearing at each end of the cylinder. When imaged, alignment of the two bearings confirms proper x-ray tube alignment.



General Radiographic Procedure

Utilizing a standard bubble-leveling device assures that the (x-ray) table surface is in fact level. Place the collimator test tool on the table so that the "orientation-dot" in the lower left corner of the plate corresponds to an "AP-Patient" orientation with the dot being the upper right side of the patient. Next, adjust the shutters of the collimator to match the etched outline of the collimator plate. Place the beam alignment cylinder in the center of the plate, and center the x-ray tube to the test tool such that the beam will be perpendicular to the table surface (using a standard 40-inch SID). Use either a "Ready-Pack" film directly under the plate or a film in the bucky tray to document the exposure.



General Fluoroscopic Procedure

Confirm collimation and beam alignment measurement by utilizing the same basic procedure. The image intensifier should be centered (≈ 12 inches) over the test tool. While viewing the image on the display monitor, close the shutters until they match the etched outline of the collimator test tool. Take a spot film to document the collimation as well as the proper alignment (bearings super-imposed) of the fluoroscopy system.

√NOTE:

To return an instrument for any reason, please provide sufficient packing material to prevent damage during shipment. Also, provide appropriate warning labels to ensure careful handling. Include brief information as to the reason for return, as well as return shipping instructions:

- Return shipping address
- Customer name or contact
- Telephone number
- Reason for return