



3. Press the X-ray On switch and verify that no X-rays are generated.
4. Press the Vertical Lift button and verify that the Vertical Lift Column is not operational.
5. Place the X-ray Keyswitch in the ENABLE position.
6. Press the X-ray On switches on the control panel, handswitch and footswitch and verify X-rays are generated.
7. Press the mode button on the handswitch and footswitch to toggle between fluoroscopy modes.
8. Press the Vertical Lift buttons and verify that the Vertical Lift Column is operational.

Generator Batteries

Use this test to determine if the C-Arm's battery packs are performing adequately.

WARNING: *This procedure produces X-rays. Take appropriate precautions to protect yourself and others from unnecessary exposure.*

1. Select Film Mode and set the technique for 75 kVp @ 200 mAs.
2. Make an exposure and verify that none of the following messages is displayed:
 - X-ray Overtime

- kVp Error
- mA Error

3. With the C-Arm's Battery Charger covers removed, make an exposure and verify that the red LED bar graph located on the Battery Charger PCB indicates 170 to 190 volts during the shot.
4. Visually inspect the around the batteries within the compartment for corrosion.

Skin Spacer

Check that the skin spacer mounts to the X-ray tube cover. If the skin spacer is not available notify the customer that a replacement is needed. It is a regulatory requirement that the skin spacer be installed or available. Check the appropriate box on the 9900 PM Checklist.

Beam Alignment Verification

Note: In some geographical regions the edges of the X-ray field must be viewable in the fluoroscopic field of view for all modes (Normal, Mag1 and Mag2). If this is the case, the following Beam Size Verification does not apply. Verification for such systems is done by taking fluoro shots in Normal, MAG1 and MAG2 Modes and making sure the Collimator Iris Blades are visible in all modes as well as centered in the image

Film-Based Beam Alignment Verification

WARNING: *The following procedures require you to take X-rays. Take appropriate precautions to protect yourself and others, including safety glasses, safety shoes, personal radiation monitoring badge, and lead vest/thyroid collar.*

Note: If the customer site does not have a film processor or the film processor is not working, then perform the Filmless Beam Alignment Verification.

Setup

1. To normalize C-arm flexure, release the C-arm brake and position the C at 45° on the C-arm scale – see Figure below.