

## CALIBRATION

### MILLIAMPERE ADJUSTMENT – 700 series (50 - 70 kVp)

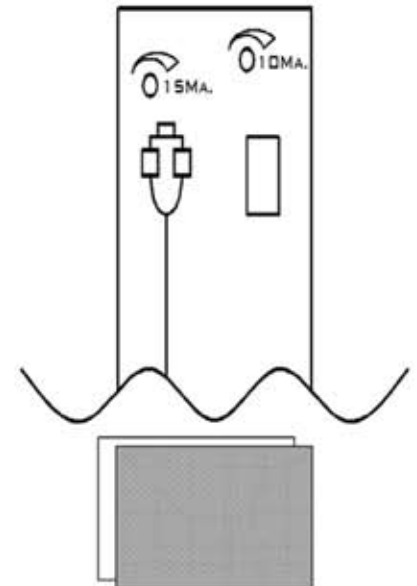
**CAUTION! – TO SET LINEARITY - RESET kVp WHEN SWITCHING FROM 10 TO 15 MA**

- 1) Select 10 mA at 65 kVp. Set timer to 1 SECOND (60 PULSES) (060).
- 2) Make an exposure. If milliamperes does not read 10, correct by use of rheostat in control. Rotate **CLOCKWISE TO INCREASE** and **COUNTER-CLOCKWISE TO DECREASE**. After resetting, make another exposure to verify setting. Use a small slotted screwdriver to make Adjustments. The adjustment holes are located on the right side of the control. These adjustments will allow you a range of 5 mA.

If greater adjustments are necessary, **UNPLUG UNIT**, remove 6 screws from front of control case and swing cover down. On bottom of control case, there is a 300 ohm variable resistor. The 10 mA tap is connected by brown wire. To increase mA, move slide to right and to decrease, move to the left. The 15 mA tap is connected by a black wire.

- 3) Select 15 mA at 65 kVp on 15 mA scale of kVp meter and test as in Step 2.

900 Series (70 - 90 kVp) - Same as 700 series except make test at 85 kVp.



### SOURCE TO FILM DISTANCE

The maximum SID is 28 inches. (All gray units)  
Model 715A-BD has 15 mA only. Color: white.

### ALIGNMENT VERIFICATION OF COLLIMATOR

- 1) Use a 10 x 12 film and select 8 x 10 aperture size.
- 2) Place monopak or cassette on base.
- 3) Place arm in vertical position.
- 4) Turn on control and set for normal exposure. Monopak - use 10 mA, 60 kVp at 1 3/4 seconds. Screen film - use 10 mA, 60 kVp at 30/60 seconds (.5) (030)
- 5) Turn on collimating lamp and center 8 x 10 projected image in center of 10 x 12 film.
- 6) Place markers in 4 corners of light - use paper clips bent at right angles. Mark upper right hand quadrant with a coin, for orientation.
- 7) Make exposure and develop film.
- 8) Misalignment maybe up to 2% of the SID.

### OPTIONAL METHOD

Using intensifying screen from cassette to view radiated area is not recommended without shield.