

Medical Physicist Involvement in Equipment Adjustments, Changes, or Repairs

Item	Major Repair	Medical Physicist Involvement
Automatic Exposure Control		
AEC Replacement	Y	MP conducts evaluation in person
Thickness compensation internal* adjustment	Y	MP conducts evaluation in person
AEC sensor replacement	Y	MP conducts evaluation in person
AEC circuit board replacement	Y	MP conducts evaluation in person
Density control – internal* adjustment	N	MP oversight
Bucky (New to Facility) Replacement		
AEC also replaced	Y	MP conducts evaluation in person
AEC not replaced	N	MP oversight
Cassette replacement		
Same screen speed	N	MP involvement optional
Different screen speed	N	MP oversight
Collimator		
Replacement	Y	MP conducts evaluation in person
Reassembly with blade replacement	Y	MP conducts evaluation in person
Adjustment	N	MP oversight
Compression Device		
Pressure adjustment	N	MP involvement optional
Thickness scale accuracy adjustment but only if it affects AEC performance	N	MP oversight
Repair of auto decompression	N	MP involvement optional
Compression Paddle		
Paddle (new to facility) replacement	N	MP oversight
Deflection adjustment	N	MP oversight
Adjustment due to extension beyond allowable limit, or visibility on images	N	MP oversight
Darkroom		
Repair of light leaks	N	MP involvement optional
Safe light change	N	MP involvement optional
Film type change		
	N	MP oversight
Filter Replacement		
	Y	MP conducts evaluation in person
Processor		
Chemistry type change	N	MP involvement optional
Fixer/Developer replacement	N	MP involvement optional
Installation	Y	MP conducts evaluation in person
Reassembly	Y	MP conducts evaluation in person
Replenishment rate adjustment	N	MP involvement optional
Roller replacement	N	MP involvement optional
X-ray Unit		
kVp, mA or time internal* adjustments	Y	MP conducts evaluation in person
High voltage generator replacement	Y	MP conducts evaluation in person
X-ray Tube Replacement	Y	MP conducts evaluation in person
Installation	Y	MP conducts evaluation in person
Reassembly	Y	MP conducts evaluation in person