

# X-ray Tube Maintenance Procedure

Generator Models: L300, L500, L550, 00210, 02968, 03900, 03901

This procedure must be performed **weekly**.

Not doing so will result in generator damage (that will not be covered under warranty).

Setup:

- Close the collimator blades
- Set mAs to 20.0
- Set kVp (see table below), take x-ray, then wait **30** seconds **between each exposure**
- Perform exposures 1-8

<b>Weekly Seasoning Chart</b>		
wait 30s between exposures		
Exp #	kVp	mAs
1	60	20
2	70	
3	80	
4	90	
5	100	
6	110	
7	120	
8	125	

Handling Errors:

If an error occurs during the seasoning process:

- Cycle generator power.
- Leave kVp and mAs the same.
- Repeat exposure with **~half of the mA** (keep reducing mA if error continues).
- Increase mA to maximum value and repeat exposure.
- Make note of the date, technique, and error messages for the next x-ray maintenance visit.

If an error occurs every week:

- In general, tube seasoning should not result in errors.
- If errors begin occurring weekly, then this is a sign of a failing HV component.
- Notify **your local** x-ray service company.
- Shorten the tube seasoning time to every 3-4 days, until the x-ray system has been repaired.