

XR150 TROUBLESHOOTING

SYMPTOM	TEST	ACTION
No "power on" light	Check battery voltage, Check connection	Charge/replace battery Make sure battery is on securely
X-ray "ON" lights, but X-ray doesn't fire	Check battery voltage	Charge/replace battery
Black picture, but X-ray operating correctly	Check if paper envelope removed In dark place, fire X-ray at opened cassette. Greenish light will show on cassette screen.	Remove envelop from film negative Return for tube replacement if no green light
LCD displays "00" after unit fires	Turn key switch off and on	If problem occurs often return for repair
Oil leaking from unit		Return for repair

KNOWN SERVICE ISSUES

SAIC video imaging system incompatibility. Unless specifically ordered for use with SAIC equipment, the user will not obtain a quality image using the XR150 with SAIC equipment. The standard XR150 has a one-second delay built into the firing sequence. SAIC does not build this delay into their equipment. This results in the camera being closed during the last second of X-ray pulsing.

We can modify the XR150 to be compatible with the SAIC equipment by replacing the microprocessor. We replace the standard processor version, 2.1, with an updated version, 2.7, that does not have the one-second delay.

Premature battery failure. The fast charge battery charger used with the XR150 combined with incomplete battery discharge before charging, decrease battery life. Previously, we sold the Model BE-130417 Battery Conditioner as an accessory item to periodically condition the XR150 batteries and increase life. However, we are no longer able to purchase the BE-130417. We are currently searching for a replacement to the BE-130417. When using the BE-130417 or comparable charger, an acceptable XR150 battery should have a capacity of at least 1040 mAh.

In early XR150's, there is a known condition that appears to be caused by battery failure. The user will notice that the XR150 will only fire a few hundred pulses on each battery charge.

To test for this condition, attach a fully charged battery to the XR150. Measure the time it takes for the XR150 to fire 30 counts. If the unit does not fire 30 counts in under 11 seconds (10 seconds if the unit has the version 2.7 processor used with video imaging systems) return it for modification.

Loose head. The XR150 head is threaded into the control module and the joint is sealed with silicone. If the seal is broken, the head will spin freely. If this occurs, send the unit back for repair.

Key switch failure. We have upgraded the original XR150 keyswitch. If the switch fails, return batteries for upgrade.