

XR200 TROUBLESHOOTING

SYMPTOM	TEST	ACTION
No "power on" light	-Check battery voltage -Check connection	-Charge/replace battery -Make sure battery is attached securely
X-ray "ON" lights, but X-ray does not fire	-Check battery voltage -Check fuse (Fig. 1)	-Charge/replace battery -Replace fuse
Black picture, but X-ray operating correctly	-Check if paper envelope removed from negative -In dark place, fire X-ray at opened cassette. Greenish light will show on cassette screen.	-Remove envelope from film -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

Handle breakage. The XR200 handle strap may break because of over tightening of the handle locking clips. If this occurs, return the unit for repair or order a new handle replacement kit. When replacing the handle it is necessary to leave a two to three millimeter gap between the two handle locking clips when tightening. **DO NOT** tighten until the clips touch each other.

Inverted spark gap. Early XR200 units were built with an inverted spark gap design. Under heavy use, the unit may fail causing oil to leak into the spark gap. If oil is visible, return the unit for service.

Cracked tubes. Certain batches of XR200 tubes have been prone to failure due to cracking. If an XR200 tube fails prematurely, remove the tube and check under magnification for pitting and/or hairline cracks running the length of the tube. Return defective tubes for replacement.

Blown fuses. The fuse in the XR200 must be replaced with 20A 250V Littlefuse Ceramic slo-blo fuse. Other 20A fuses may fail prematurely.

Failure in cold weather. When used in extremely cold weather, approximately < 0° F, the XR200 head may fail. We believe we have solved this problem by replacing the old oil with a lighter weight oil.

Video settings. The XR200, with version 4.2 processor, has a convenience switch to set the pulse counter defaults. This switch enables the user to set the default pulse counting setting to 0 or 99. There is no need to switch between the video and film settings each time the user switches imaging mediums. The different settings are only a convenience feature..