



COMPONENT NEWS

PREPRODUCTION ENGINEERING

NOT TO BE DUPLICATED OR CIRCULATED OUTSIDE OF TEKTRONIX, INC.

SEND INFORMATION, COMMENTS OR REQUESTS FOR COPIES TO DEL. STA. 50-440, OR CALL EXT. 272.

COMPILED BY PRODUCT RELIABILITY INFORMATION NO. 109 DATE 7-15-69

SHOCK HAZARD

The input power wiring is reversed in the *ILEX* Speedcomputer (electronic camera-shutter actuator, *TEK* P/N 122-0767-00). To replace a fuse, the unit must be removed from the case. With the power switch "off" and the unit plugged in, there is live voltage on the fuse and on the open fuse clip. Please send all Speedcomputers to Harvey Simmons, Instrument Control, 50-153 or call him at Ext 7141. He will have them reworked and returned to you.

We would like to check all instruments even though some older models may not have the problem.

-Bill Nelson
Safety Committee Working Group

FUSE CLIPS

TEK-made fuse clips, part numbers 344-0154-00 and 344-0159-00 which are approved for limited use in *TEKTRONIX, INC.* instruments, are not recommended for use in primary winding circuits.

The chassis-mounted version of the fuse clip, part number 344-0159-00, must be mounted to a metal panel with a *TEK*-made *DELTRIN* insulator, part number 358-0329-00. This insulator does not provide the specified minimum spacing between chassis and the primary line voltages required by *IEC* Safety Standard. The minimum spacing on the insulator is .075" which does not meet *UL* requirements either. *IEC* demands .119" minimum. Furthermore, *DELTRIN* is flammable and non-extinguishing.

The etched circuit board clip, *TEKTRONIX, INC.* part number 344-0154-00, could be set up to meet *IEC* Safety Standards for spacing and voltage, but open-circuit fuse clips are not recommended for primary circuits.

For more information, call Ext 417.

-Verne McAdams

RESTRICTED COMPONENTS WITH REGARD TO FLOW-SOLDERING & CLEANING

As a result of numerous requests I have compiled the following list of components that have certain restrictions with regard to flow-soldering and cleaning. A "no" in the column means the component will not withstand the process noted.

COMPONENTS*	FLOW SOLDER	FREON WASH	DETERGENT WASH
Thumbwheel Switches		No	No
Slide Switches		No	No
Push-push Switches		No	No
Twist-prong & Print-lok Elect Cap		No	No
Trimmers with Plastic		No	
≤ .1% Resistors	No		
Tunnel Diodes	No		
TEK-made Diodes		No	No
Push-button Switches		No	No

*NOTE: There are some other components that may fall into one of the above "No's". Contact Component Evaluation when in doubt.

For further information, call me at Ext 6388 or Lee Miles at Ext 7266.

-Jon Fessler