Film-Tech

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These manual s are designed to facil itate the exchange of information rel ated to cinema projection and film handling, with no warranties nor obligations from the authors, for qual ified field service engineers.

If you are not a qual ified technician, pl ease make no adjuatments to anything you may read about in these Adobe manual downloads

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Reader Head LED Voltage Calibration			NUMBER TN-E550	REV	Page 1 of 2	
DATE PREPARED	CREATED BY:	EFFECTIVE DATE	APPROVED BY:			
3/19/02	K. Hultgren	3/19/02	J. Klebanoff/M.B. Smith		nith	
DTS 5171 Clareton D	r Agoura Hills CA 91301	Contact Document Control for the latest revision				

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• Multimeter

All reader heads must be periodically checked for proper voltage to the red LED. It is easily done using a multimeter and with **NO** film loaded through the reader. For demonstration purposes, the reader is shown removed from the projector.

TOOLS REQUIRED

- DTS player
- 1/16" (1.58 mm) Allen-head (hex) screwdriver
- Timecode cable
- Small flat-bladed screwdriver

① Remove the reader's back cover by removing the -4- hex screws. Save the screws.



⁽²⁾ Connect the multimeter to TP1 (signal) and TP2 (ground) on the D424 board. Connect the reader to a powered DTS player. The reader gets its power from the DTS player. Set meter for volts DC.



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③ Adjust R16 trim pot (on **Rev. E** and higher D424 boards) for 4 volts DC on the multimeter. If you cannot achieve the correct voltage, the LED may be damaged or aged. Older version D424 boards may not have a trim pot. In that case, if the voltage is not between 3.5 and 4.5 volts DC, then you must do a repair-exchange on the reader.



④ After adjustments are complete, reattach the back cover using the saved hex screws. Tighten all setscrews in reader and check that all rollers rotate freely and do not wobble. Check that the reader's mounting bracket is tightly fastened to the projector and that the reader is securely attached to the bracket.

