Fil m-Tech

The information contained in this Adobe Acrobat pdf file is provided at your own risk and good judgment.

These manuals are designed to facilitate the exchange of information related to cinema projection and film handling, with no warranties nor obligations from the authors, for qualified field service engineers.

If you are not a qualified technician, please make no adjuatments to anything you may read about in these Adobe manual downloads

www.film-tech.com

DATE PREPARED

Reader Head LED Voltage Calibration

CREATED BY:

NUMBER TN-E550 REV

Page 1 of 2

3/19/02 K. Hultgren EFFECTIVE DATE 3/19/02

APPROVED BY: J. Klebanoff/M.B. Smith

DTS, 5171 Clareton Dr., Agoura Hills, CA 91301

Contact Document Control for the latest revision.

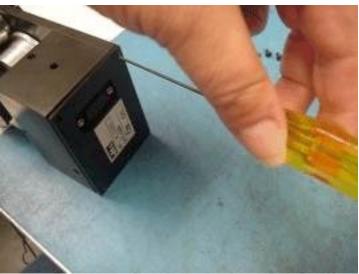
All reader heads must be periodically checked for proper voltage to the red LED. It is easily done using a multimeter and with NO film loaded through the reader. For demonstration purposes, the reader is shown removed from the projector.

TOOLS REQUIRED

- DTS player
- 1/16" (1.58 mm) Allen-head (hex) screwdriver
- Multimeter

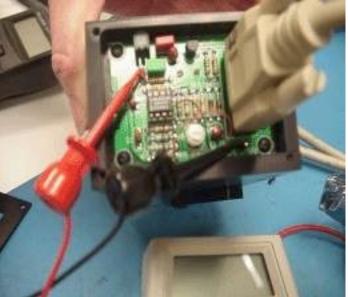
- Timecode cable
- Small flat-bladed screwdriver
- ① Remove the reader's back cover by removing the -4- hex screws. Save the screws.





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.





DATE PREPARED

Reader Head LED Voltage Calibration

CREATED BY:

NUMBER
TN-E550

REV

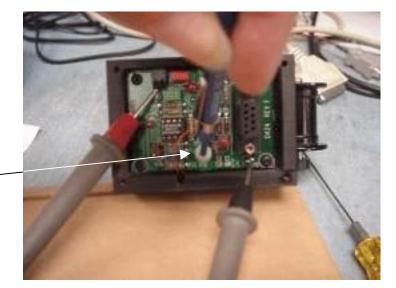
Page 2 of 2

3/19/02 K. Hultgren
DTS, 5171 Clareton Dr., Agoura Hills, CA 91301

EFFECTIVE DATE 3/19/02 APPROVED BY:
J. Klebanoff/M.B. Smith

TS, 5171 Clareton Dr., Agoura Hills, CA 91301 Contact Document Control for the latest revision.

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.



Adjust trim pot until the volt meter reads 4 volts DC

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.

