

STAT Dist.



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MLT-3164-L-6188
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Officer-in-Charge
USA Communications Service Group
Post Office Box 72
NAS Moffett Field, California 94035

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Subject: Contract MLT 1540-1 through -5

Gentlemen:

Analysis of maintenance data on MLT-1540 Light Tables and discussions with the users has shown several areas where minor modifications and maintenance procedures are required for improved operation and reliability. In continuing Product Improvement Program we are providing the necessary instructions and parts required for you to implement these changes and procedures. Specifically the items referred to are as follows:

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1. Y Bridge Drive Motor

Several failures of the Y bridge drive motor manifested as a reduction in speed or inability to drive the bridge have been traced to a deposit of material between the commutator segments causing partial shorting. Correspondence with the motor manufacturer has indicated the probability of excessive oiling at manufacturer. Corrective action is being taken by the motor manufacturer on future units. Attachment 1 is a procedure describing the disassembly and cleaning of the commutator for correction of the problem as it occurs in the field. This procedure has been distributed to all Product Support personnel at sites where MLT-1540 Light Tables are located.

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Declass review by NGA/DoD

10-18-71

2. Film Transport Motor ON/OFF Switch

Analysis of failures of the film transport motor ON/OFF switch and its application in the circuit indicate a desirability of a change in wiring to increase the reliability and reduce failures of this component.

Attachment 2 describes the procedure for rewiring of this switch. Also included is the change to be made to the manuals indicating the new wiring.

3. Viewing Glass Mounting

Replacement and cleaning of the light source lamps and lamp tray requires the removal of the viewing glass surface. At present the frame of the viewing glass rides on the tips of the leveling screws. Parts are presently being procured and procedures prepared to add an improved surface for the framework of the viewing glass to ride upon. This consists of spring clips over the surface of the screws on which the viewing glass framework rides. This modification has been tested at the [REDACTED] and is shown to work quite satisfactorily for ease of removal and replacement of the viewing glass surface. The required parts are expected from the vendor mid-October at which time a procedure and the parts will be distributed. Installation of the clips is very simple, being installed under the present hardware, thus requiring no change to the tables.

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We will make arrangements through our Product Support Organization to send these instructions and the necessary parts to the users sites. Should further information be required, please contact [REDACTED] MLT Program Manager, or the undersigned.

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Very truly yours,

[REDACTED]

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Supervisor, Contract Administration

WGB:hj

- Attachments:
1. Field Service Procedure, Y Drive Motor P/N 37103-1, used on MLT 1540-2, -3, -4
 2. Field Service Procedure, Film Drive Power Switch (S4) P/N RS-50