

**ORDER**

**DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION  
GREAT LAKES REGION**

GL 6910.7

19 Mar 73

**SUBJ: RELOCATION OF RESISTOR R-121 (SPEC. FAA-1250) OR RESISTOR R-105 (SPEC. FAA-1250A) IN FLUSH/FRANGIBLE SEQUENCE FLASHER POWER UNITS.**

1. PURPOSE. This Order authorizes the relocation of monitor resistor R-121 or R-105 in the sequence flasher flush/frangible condenser discharge power units to prevent arcing due to the presence of moisture.
2. DISTRIBUTION. This Order is distributed to the Airway Facilities Division, Branch level and above, and to all Airway Facilities field offices.
3. CANCELLATION. Order CE SM 6910.9 is cancelled.
4. BACKGROUND.
  - a. Because of the close proximity of components, as well as the presence of moisture on the phenolic board, arcing has occurred between various resistor components and the monitor resistor, R-121, thereby burning it out.
  - b. Since the R-121 resistor is tied to a common monitor line, this allowed the arc to backfeed into the other flasher units, causing a burnout of R-121 in each unit.
5. MODIFICATION. To prevent possible recurrence of this condition, relocation of the monitor resistor in the flush/frangible power supplies is authorized.
  - a. Remove resistor R-121 from the phenolic board and install it at terminal #4 of terminal board TB-101. (Specification FAA-1250).
  - b. Remove resistor R-105 from the phenolic board and install it at terminal #4 of terminal board TB-101. (Specification FAA-1250A).
6. PROCEDURES.
  - a. Where required, relocation of the resistor shall be accomplished as outlined in Figure 1, Page 2.
  - b. Correct instruction book drawings after completion of the modification.

*Alan H. Glass*

ALAN H. GLASS

Chief, Airway Facilities Division

**Distribution: RAF-3; FAF-0 (Normal)**

**Initiated By: AGL-445**

FIGURE 1  
PARTIAL SCHEMATIC OF  
SYLVANIA FLUSH/FRANGIBLE POWER SUPPLY

