



S.I. M20-55

NUMBER: M20-55

DATE: 3-13-81

SUBJECT: Instrument Panel and Glareshield Lights, Light Control Rheostat Wiring Modification.

**MODELS/
SERIAL NUMBERS
AFFECTED:** Mooney Models M20J, S/N 24-0927 through 24-1085, M20K, S/N 25-0280 through 25-0542.

**TIME OF
COMPLIANCE:** At next scheduled maintenance at owner's discretion.

INTRODUCTION: An error in the subject light control rheostat wiring will cause excessive current to be drawn through the rheostat and bias resistor when the lights are turned up toward the "BRIGHT" end of the control. This can result in shortened life of these components due to heat. It is recommended that the wiring connection between the resistor and the rheostat be inspected and changed per the following diagrams if necessary.

INSTRUCTIONS: Look under instrument panel, with appropriate light source, to determine if wiring between resistors and rheostats is properly connected. The wire from the resistor should be connected to the "R" terminal on the rheostat. Some have been found connected to the "C" terminal which causes the condition described above. See Figure "A" for proper connections.

If improperly wired, move resistor wire connection from "C" (wiper) to "R" terminal on rheostat when viewed from switch end with terminals pointed down. See Figure "B" for clarification.

Enter compliance note in Aircraft Log Book.

REFERENCE DATA: N/A

PARTS LIST: N/A

**FIGURES/
TABLES:**

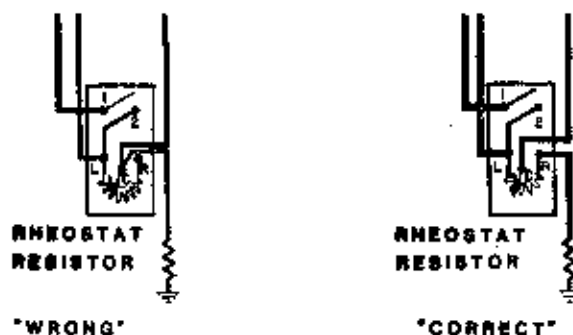


Figure A

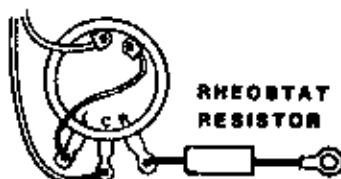


Figure B