



SERVICE INSTRUCTION: M20-79

DATE: 9-1-86

**SUBJECT:** HEAT SHIELDS ON ENGINE COWLING

**MODELS/  
S/N AFFECTED:** Mooney M20K, S/N 25-0739 thru 25-1064

**TIME OF  
COMPLIANCE:** As soon as practical within next 120 days.

**INTRODUCTION:** The 650238-1 or -3 heat shield is designed to protect the landing light housing and cowling from the high temperatures generated by the exhaust system. It has been found that the aluminum foil on some heat shields have come loose from the fiberglass mat. This reduces effectiveness of the heat shield.

An alternate material has been selected to replace that previously used.

- INSTRUCTIONS:**
1. Remove the top and bottom engine cowling per Service and Maintenance Manual.
  2. Locate the heat shields: (1) located over the landing light housing (25-0739 & on) and (1) located adjacent to the turbocharger (25-1000 & on).
  3. Remove heat shields and clean adhesive from surface of the cowling.
  4. Bond new Heat shields to the cowling at proper locations using RTV 102 silicon adhesive. Follow cure time instructions.
  5. Reinstall cowling per Service and Maintenance Manual.
  6. The cost of parts and 1.0 hrs. labor will be credited to the account of the Mooney Service Center doing the retrofit when accomplished within 120 days of Service Bulletin date.

**REFERENCE  
DATA:**

N/A

**PARTS LIST:**

1 ea.	650238-5	Heat Shield	(25-0739 thru 25-0999)
2 ea.	650238-5	Heat Shield	(25-1000 thru 25-1064)

**FIGURES/  
TABLES:**

N/A