

SUBJECT: Engine baffle retainer modification.  
MODEL: MOONEY M20M, S/N 27-0001 THRU 27-0117

TIME OF COMPLIANCE: WITHIN THE NEXT 50 FLIGHT HOURS or AT NEXT SCHEDULED MAINTENANCE

INTRODUCTION: There has been a report of the baffle retainer wire chafing components of the engine after several hours of operation. The spiral wrap to be installed by this S.I. is to reduce the possibility of this chafing.

INSTRUCTIONS:

1. Remove upper and lower cowling per Service and Maintenance Manual # 150, Section 71-10-00.
2. Locate the 4 baffle retainers (2 on each side under the cylinders). (See Reference below).
3. Un-hook the hook end (opposite the spring (loop) end) and let the retainer hang from baffle hole at the spring end.

**CAUTION**

**Be sure the baffles do not move from their proper location during this procedure**

4. Wrap T12T (or alternate) spiral wrap around each retainer (one retainer at a time) from the hook end to the baffle near the spring (loop) end of the retainer (approximately 17 inches of spiral wrap required on each retainer).
5. The spiral wrap may have to be partially wrapped around the retainer and then slid toward the loop end to completely cover the retainer. This partial wrapping and sliding may be necessary several times to complete the wrap.
6. After spiral wrap is applied, re-hook each retainer (hook end) to the baffle hole from which it came.
7. Check all wraps for complete coverage of the retainer, especially in the areas where the retainer could chafe an engine drain tube or other component.
8. If satisfactory, re-install lower and upper engine cowling per S & M Section 71-10-00.
9. Enter compliance note in aircraft log book and return aircraft to service.

WARRANTY: Mooney aircraft corporation will allow up to 0.7 hours labor to accomplish this retrofit action. S.I. M20-90-1kit will be charged to the Mooney Service Center at the time of shipment. Credit will be given when the properly completed paperwork is received by the Service Parts Department. Labor allowance and credit for the kit will be issued only if the warranty action is completed within 180 days from the issue date of this Service Instruction.

REFERENCE DATA: M20M Illustrated Parts Catalog, No. 250, dated 10-89, Figure/Illustration No. 62, Index No. 30.

PARTS LIST: KIT PART NUMBER — S.I. M20-90-1

ITEM	P/N	DESCRIPTION	QTY
1.	T12T	SPRIAL WRAP (17 INCHES)	4
	or		
	500023-2	SPRIAL WRAP (ALT) (AMP)	4

FIGURES/  
TABLES: N/A