



SUBJECT: INSPECTION AND REWORK OF 0-360 & 10-360  
TUBULAR ENGINE MOUNTS.

MODELS AFFECTED: All Mooney M20C,D,E,F up to M20C S/N 680001,  
M20D S/N 261, M20E S/N 690001 & M20F S/N 680210.

INTRODUCTION: There have been reports that tubular members of the engine mounts  
have cracked below the lower right hand engine mount cups. Installing  
a new reinforced engine mount or the rework of the existing engine  
mount is recommended.

COMPLIANCE: Immediate compliance when any of the following conditions occur:

1. Aircraft with 800 or more hours total time.
2. After abnormally rough starts or rough engine operation.
3. At next engine removal for overhaul.

INSTRUCTIONS: Visually inspect tubular engine mounts for cracks, especially below  
lower engine mount cups. If any crack is detected, replace engine mount  
with a reinforced engine mount as noted:

Mooney P/N 590000-505 engine mount (M20E & F)  
Mooney P/N 590000-503 engine mount (M20 C & D)

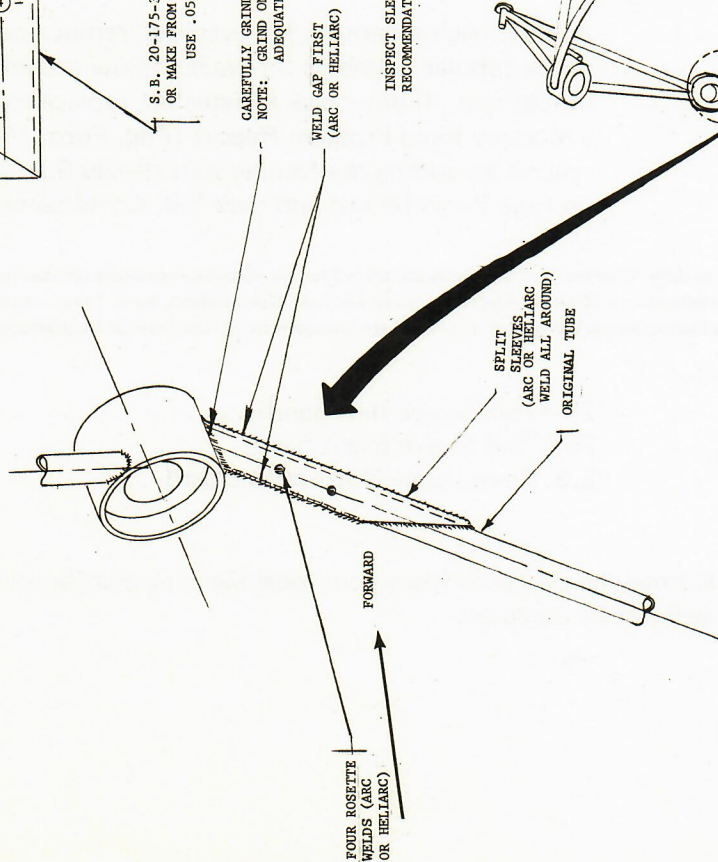
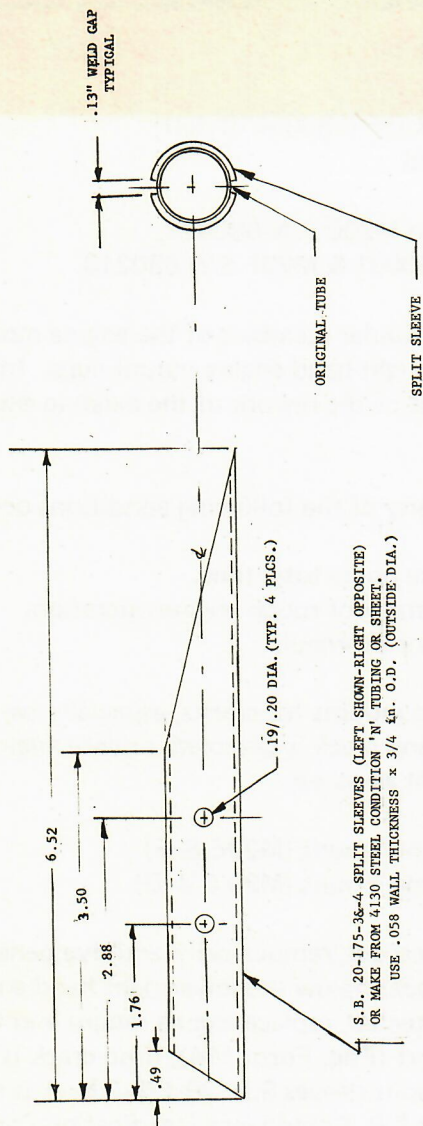
At next engine removal for overhaul, remove paint and dye penetrant  
check tubular members for cracks below the lower right hand engine  
mount cup. If any crack is detected, replace engine mount and fill out  
a Mooney Field Problem Report (Eng. Form 114); if no crack is found,  
rework by adding reinforcing split sleeves S.B. 20-175-3 & -4 as shown  
on Page 2 and fill out and mail S.B. Compliance Notification Card.

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on Mooney Aircraft Corporation (a Pennsylvania Corporation) any of the obligations or liabilities of its predecessors.

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|----------------|---|-----|
| M20-175-1 Kit: | 20-175-3 Sleeve (left hand) . . . . .       | (1) |
|                | 20-175-4 Sleeve (right hand) . . . . .      | (1) |
|                | S.B. Compliance Notification Card . . . . . | (1) |

This Service Bulletin Kit may be procured from your local Mooney distributor and service center.  
Direct factory orders will not be accepted.





INSPECT SLEEVE AND MOUNT, AND WELD IN ACCORDANCE WITH  
RECOMMENDATIONS SET FORTH IN AC-43.13-1 CHAPTER 2, SECTION 2

ENGINE MOUNT - TYPICAL ALL MODELS  
SCALE: NONE  
ALL TOLERANCES  $\pm .03$