



S.I. No. M20-46

Date: 9-17-79

SUBJECT: RELOCATION OF COWL SNUBBERS, P/N J-7444-14

MODELS/SERIAL  
NUMBERS AFFECTED: M20K - S/N 25-0001 thru 25-0146

TIME OF  
COMPLIANCE: At owners discretion.

INTRODUCTION: The purpose of this Service Instruction is to provide instruction for relocating the cowl snubbers, P/N J-7444-14, to reduce snubber wear. It is recommended that this design improvement be incorporated.

- INSTRUCTIONS:
- 1) Remove lower cowling from aircraft per Service Manual, Section 3, disconnecting all electrical and mechanical connections.
  - 2) Remove the 2 Lord mounts, P/N J-7444-14 from landing light channel assy P/N 650226-501 by removing screws (4) P/N AN526-832 R9 from nut plates in channel assy. Remove the shims P/N 650229-1 and save for replacement at new location. Discard shock mounts and screws.
    - a. When disassembling mounts and shims it is recommended that the mechanic evaluate the condition of the rubber mounts as originally installed and if one is worn more than the other, an additional shim may be required on the lesser worn side to balance the surface loads after the relocation modification is accomplished.
  - 3) Reference Figure 1 for proper location area of the Lord shock mounts and related hardware.
  - 4) Reference Figure 2 for dimensions and sequence of modified snubber installations. Obtain butt line 0.00 by measuring from outside of engine mount tube to exact center line of engine mount assembly on tube P/N 590043-33. Locate and drill 4 ea. .166/.177 holes (vertical) for left and right hand mount installations per dimensions shown.



Instructions cont...

- 5) Assemble the new Lord shock mounts, P/N J-7444-30, shims, P/N 650229-1 with new longer screws P/N AN 526-832R20 and nuts, MS 21045-L08 as depicted on Figure 2. Apply RTV 102 to screw head, between 650229-1 shim and 590043-33 tube and between tube and nut. Seal around nut after tightening for moisture seal of tube interior.
- 6) Reinstall lower and upper cowling per Service Manual. Reconnect all electrical and mechanical connections.
- 7) Enter compliance record into aircraft log book.

REFERENCE DATA: None

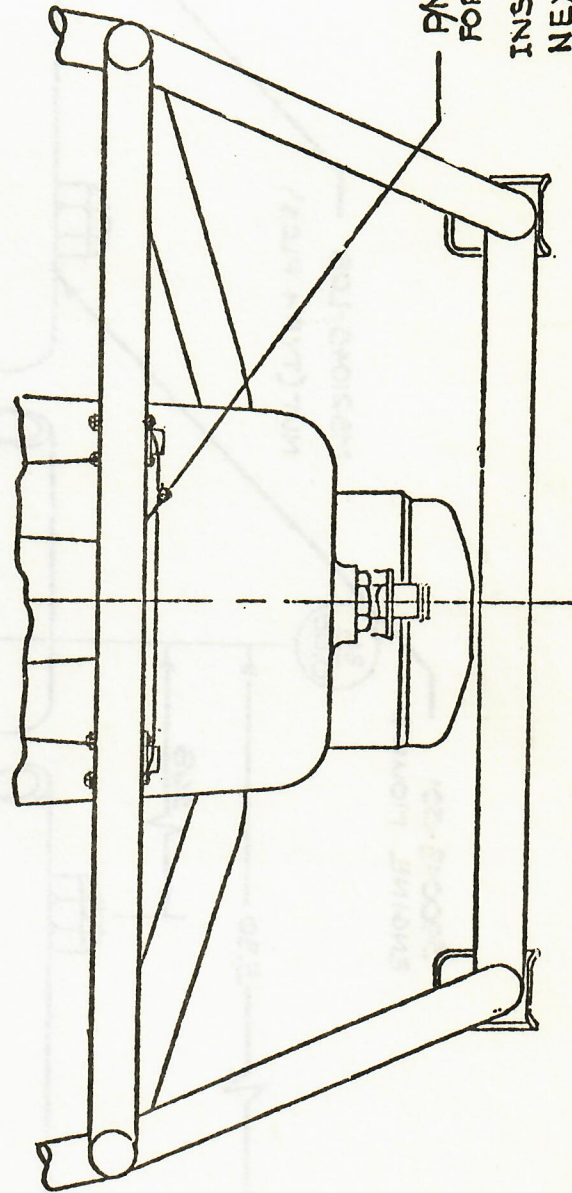
PARTS LIST: Kit Part No. SI M20-46-1

	<u>Quantity</u>	<u>Part Number</u>	<u>Description</u>
1.	2	J-7444-30	Shock Mount (Lord)
2.	1	650229-1	Shim
3.	4	AN526-832 R20	Screw
4.	4	MS21045-L08	Nut

This kit is available through local Mooney Marketing or service centers.

FIGURE/  
TABLES: See attached.

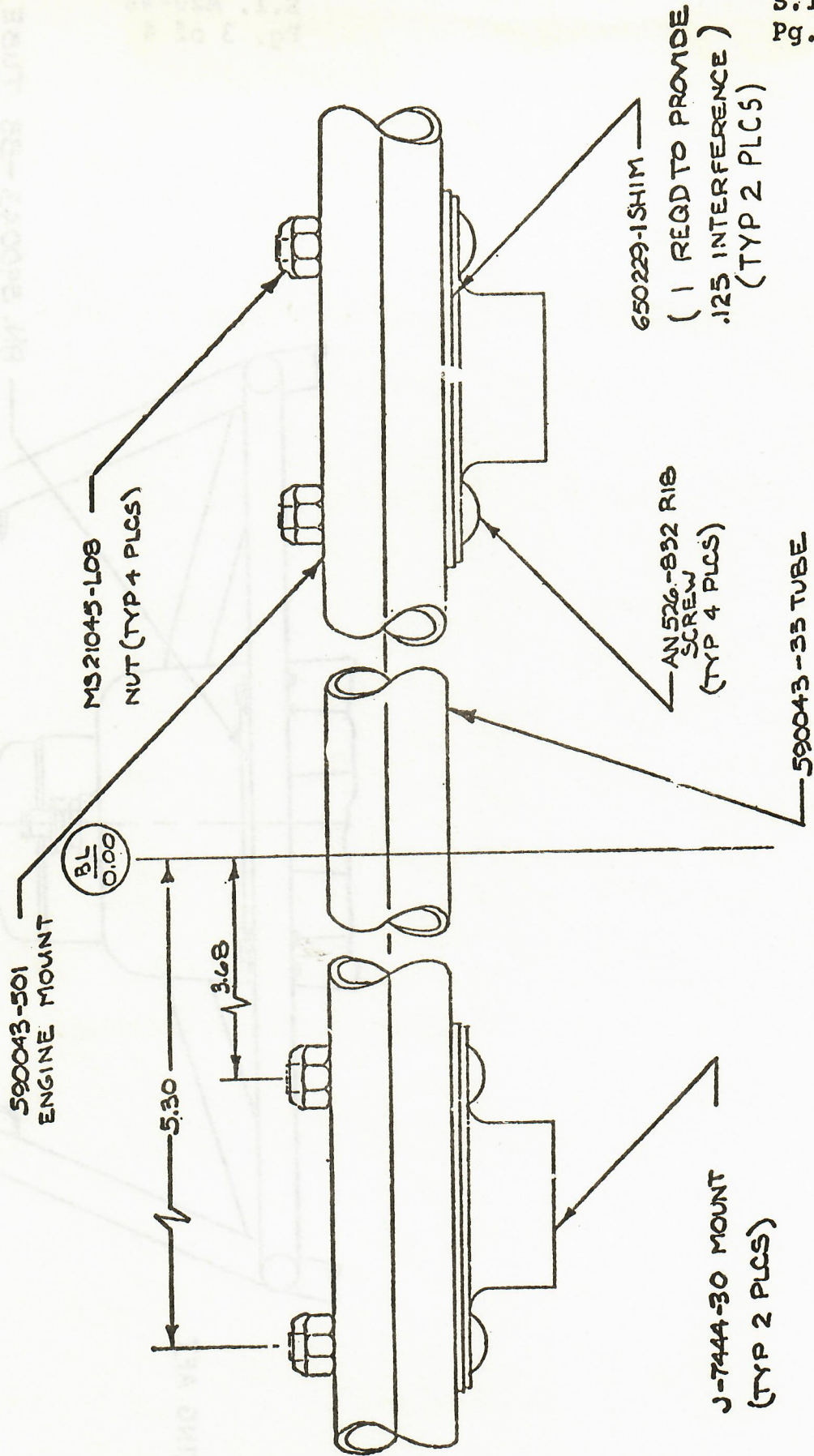
VIEW - LOOKING AFT



PN. 590043-33 TUBE.  
FOR COWL SUPPORT MOUNTS.  
INSTL-SEE  
NEXT SHEET

FIGURE 1





SCALE: 1/1

FIGURE 2