

ENGINEERING MEMORANDUM

TITLE

SERVICEABILITY CONCEPT
LORD MOUNTS

E.M. NO. 12070

FILE

COD

111

-51

EFFECTIVE

Immediately

PART NO. 189105 189106		PART NAME J-5384-1 Lord Mount J-5385-1 Lord Mount		DISPOSITION OF STOCK		COPIES TO	
USE OF E.M.		CHECK BLOCKS AFFECTED		AS NOTED		ENG.	
SALVAGE		PARTS COMPLETED		REWORK		INSPEC	
CONCESSION		PARTS IN PROCESS		SCRAP		PROD.	
STOP ORDER/RELEASE		TOOLING		USE TO DELETION		PLANNING	
NEW DRAWING		RAW MAT'L		AFFECTED		MAT. CONT.	
REVISED DRAWING		INTERCHANGEABILITY AFFECTED		NOT AFFECTED		CONT. ADM.	
VARIATION		STRENGTH AFFECTED		NO		R.C.A.F.	
OBSOLETE NOTICE		NO		NO		Est.	
USE AS NOTED		NO		NO		Dwg. CONT.	
APPROVALS		APPROVED BY		DATE		DWT. CHANGE	
GIVE FULL PARTICULARS AND SKETCH WHERE POSSIBLE		BREWER ORIGINATED BY <i>A. H. ...</i> M. B. PROJ. ENG. <i>R. ...</i> INSPECTION		19 Sept. 56		NO	
ENGINEERING		CONTRACTS ADMIN.		CUSTOMER'S ORDER NO.		CUSTOMER	
				CUSTOMER		RCAF	
				TYPE AIRCRAFT			
				Expeditior 3			
				AIRCRAFT REGISTRATION NO.			

The following information is compiled to act as a guide for determining the serviceability of the J-5384-1 and J-5385-1 Lord Mounts.

The conditions illustrated in figures 1 - 3 inclusive are normal and are not cause for rejection. The nicks or cuts in the rubber caused by the outer shell, are a result of extreme loading conditions. These, however, do not affect the main body of the rubber or its function.

In cases of doubt, the mount should be examined for the conditions shown in figures 4 and 5. This examination is to be done under "no load" conditions and this may be accomplished by taking up the weight of the engine by a crane and making the measurements prescribed.

If a mount exceeds any of the above, it must be replaced by a new part.

It is to be noted that zinc chromate primer is not to be used on the bushings. They must be masked as required to protect them from over-spray during painting.

For Lord Mounts type J-1278-1 and J-1279-0, the limits, in figures 2-5 inclusive, apply. In addition, the allowable separation of the rubber in the mounts shall be 3/32" deep and/or 1" along the circumference. These are maximum limits.

All new installations of Lord Mounts shall be of either J-5384-1 or J-5385-1.

This E.M. applies to all Expeditior programmes including C.A.I.R.

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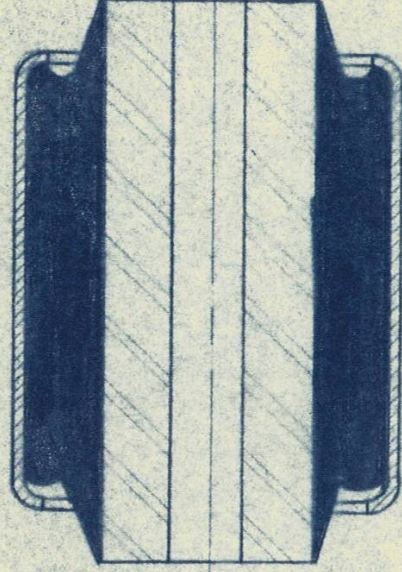


FIG. 1 - NORMAL MOUNT
(No Load)

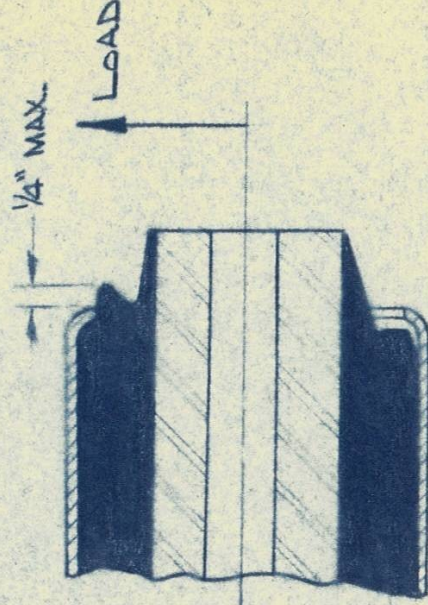


FIG. 2
(LOADS)

RUBBER CUT BY
FLANGE OF SHELL

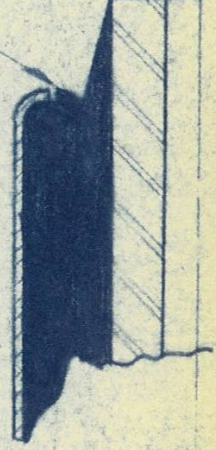


FIG. 3
(No Load)

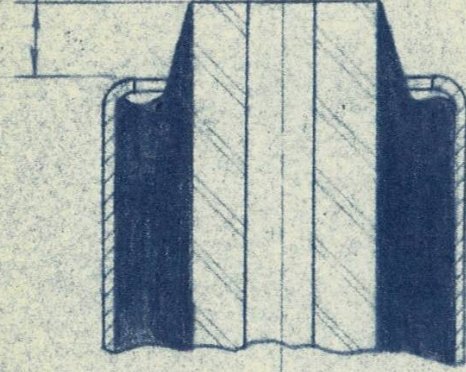
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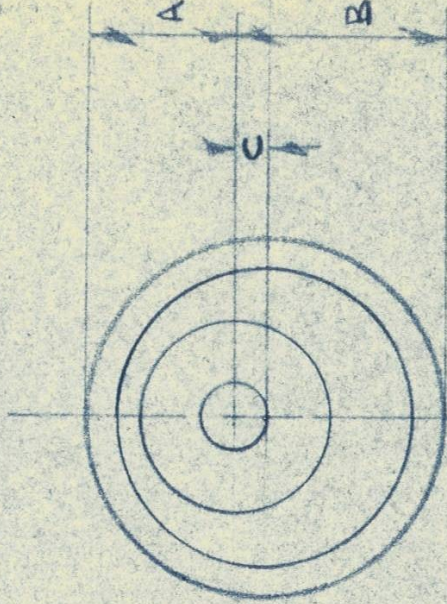
12070



.20-.000 MIN.
ON BOTH ENDS

THIS IS A MINIMUM,
THE DIMENSION MAY
BE CONSIDERABLY
LARGER THAN THIS

FIG. 4



DIRECTION OF
MAX. ECCENTRICITY

NOTE: $B-A = .020^{+0.000}$ MAX
OR $C = .045^{+0.000}$ MAX

THESE ARE MAX. LIMITS,
BUT IN ACTUAL CASES THE
DIMENSIONS MAY BE
CONSIDERABLY LESS.

FIG. 5