

# ENGINEERING MEMORANDUM

TITLE

**Repair scheme - Grooves on Underside of Wing  
at Root**

F.S. NO. 12292

FILE CODE 111-12

EFFECTIVE 248 Required

PART NO.	PART NAME		DISPOSITION OF STOCK				ORIGINATED BY		CUSTOMER'S ORDER NO.		COPIES TO		NO.
USE OF E.I.L.	USE OF E.I.L.	USE OF E.I.L.	NON AFFECTED	USE OF DEPLETION	REWORK	SCRAP	REWORK	NON AFFECTED	EXP. BY	NO.	ENGR.	NO.	3
SALVAGE	CONCESSION	STOP ORDER/RELEASE	CHECK OTHERS AFFECTED	IN PROGRESS	TO BE MADE	NO	NO	NO	NO	NO.	PROC.	NO.	6
NEW DRAWING	REVISED DRAWING	VARIATION	ISSUE COMPLETED	ISSUE IN PROGRESS	ISSUE TO BE MADE	NO	NO	NO	NO	NO.	PLANNING	NO.	9
DISOLETE NOTICE	USE AS NOTED		INTERDEPENDABILITY AFFECTED	INTERDEPENDABILITY NOT AFFECTED	NO	NO	NO	NO	NO	NO.	NAV. CONT.	NO.	2
					NO	NO	NO	NO	NO	NO.	COURT. ADJ.	NO.	1
					NO	NO	NO	NO	NO	NO.	P.C.A.F.	NO.	3
					NO	NO	NO	NO	NO	NO.	ESTIMATING	NO.	1
APPROVALS										DATE	TWO CHANGE	NO.	NO.
SIGNATURE										9 MAY 57	YES	NO	NO.
SUPERVISOR										C. J. KERRICK			
CONTRACTS ADMIN.										C. J. KERRICK			

GIVE FULL PARTICULARS AND QUOTE WHERE POSSIBLE

Cases have been noted of grooves occurring in de-icer strip and wing skin at wing root. for details Ref ER 2621

SKIN -- If the skin is lightly grooved, test groove IAW EM 12280 Para 3-7 inc. (If the a/cled is penetrated, the chromic acid solution should be 10%) If the skin is heavily grooved, repair as shown in sketch attached. This repair is typical. Adjustments will have to be made to suit circumstances.

DE-ICER STRIP PAIRING

If the strip is lightly grooved treat IAW EM 12280 Para 4-6 inc. The solution should be 10%. If the strip is deeply grooved, cut the strip approximately 18" from the wing root between two adjacent rivets. The edges of the cut must be clean and free from burrs. Replace the damaged section by a new piece of extension mesh #3-161 or SAB #4574

Ref EM 12238  
EM 12280

RUN - MAY 17 - 1957

NOTE: WHEN ACTIVITY IS OBTAINED FROM E.I.L. CHANGES ARE TO BE EFFECTIVE UPON PLANNING DEPARTMENT AUTHORIZATION.

# ENGINEERING MEMORANDUM

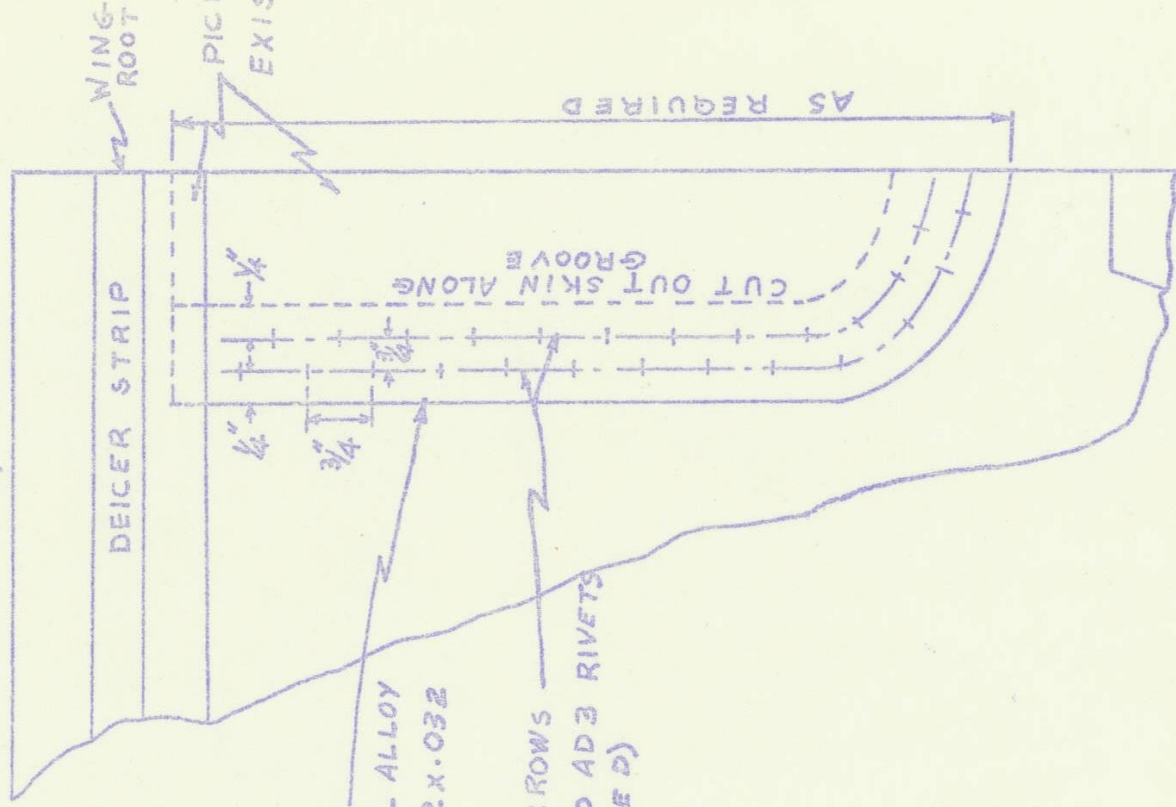
TITLE

REPAIR SCHEME - GROOVES ON  
UNDERSIDE OF WING AT ROOT

E.M. No.

12292

LEADING EDGE



PATCH ~~TO~~  
2024-T4 AL ALLOY  
TO QQ-A-362 X.032

RIVETS - 2 ROWS  
USE AN470 AD3 RIVETS  
(STAGGERED)

VIEW LOOKING UP