

TITLE

CORROSION  
ALCLAD SKINS

E.M. NO. 12280  
EFFECTIVE IMMEDIATELY  
FILE CODE 111

PART NO.		PART NAME		DISPOSITION OF STOCK		AS NOTED		COPIES TO		NO.	
USE OF E.M.		CHECK BLOCKS AFFECTED		USE TO DIRECTION		SCRAP		ENGR.		3	
CONCESSION		PARTS COMPLETED		NOT AFFECTED		REWORK		INSPEC		2	
STOP ORDER / RELEASE		PARTS IN PROCESS		AFFECTED		TOOLING		PROD.		2	
NEW DRAWING		TOOLING		AFFECTED		STRENGTH AFFECTED		PLANNING		1	
REVISED DRAWING		MATERIAL		AFFECTED		YES		MAT. CONG.		3	
VARIATION		YES		NO		YES		CONT. ADM.		1	
OBSOLETE NOTICE		NO		NO		NO		A.O.A.F.		3	
USE AS NOTED		NO		NO		NO		ESTIMATING		1	

ORIGINATED BY: BREWSTER  
 CUSTOMER: RCAF  
 TYPE AIRCRAFT: EXPEDITOR 3  
 DATE: 22 APR 61  
 DWG. CHANGE: 0  
 S.W.G. CONT. 4  
 CONTRACTS ADMIN: [Signature]  
 ENGINEERING: [Signature]  
 APPROVALS: [Signature]  
 GIVE FULL PARTICULARS AND SKETCH WHERE POSSIBLE

CASES OF CORROSION OF ALCLAD SKINS HAVE OCCURRED PARTICULARLY AFT OF THE RELIEF TUBE. THESE AREAS WILL BE TREATED AS FOLLOWS:

1. REMOVE ANY PRIMER OR PAINT FROM CORRODED AREAS.
2. REMOVE ANY FOREIGN MATTER (GREASE, OIL, MUD, ETC.) FROM THE AFFECTED AREA BY WIPING WITH WATER. REMOVE CORROSION PRODUCTS USING "TURCO RED-X", "BON AMI" OR FINE ALUMINUM WOOL.
3. TEST FOR ALCLAD PENETRATION LAW EO 05-1-2AH, PART 1, PARAG. PAGE 1. IF THE ALCLAD IS PENETRATED USE A 10% CHROMIC ACID SOLN; IF NOT USE A 5% CHROMIC ACID SOLN. (SEE 4 BELOW).
4. BRUSH ON CHROMIC ACID SOLN USING A STIFF BRUSH. KEEP SURFACE WET WITH SOLN FOR TWO TO THREE MINUTES.
5. RINSE BY WIPING WITH A WATER SATURATED CLOTH. ALL ACID MUST BE REMOVED TO PREVENT STAINING OF THE SURFACE.

RAY BOB JACK  
DES TOM JOHN  
MAL FILE

JAN 29 A.M.

NOTE: WHEN EFFECTIVITY IS OMITTED FROM E.M. CHANGES ARE TO BE EFFECTIVE UPON PLANNING DEPARTMENT AUTHORIZATION.

SHEET 1 OF 2 SHEETS

ISSUE EM CANCELLED - USE  
C. EO 05-1-2AH. WRT 25 JAN 68

⑤ WIPING NOTE: BREWSTER  
22 APR 61

# ENGINEERING MEMORANDUM

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12280

4. DRY WITH A SOFT CLEAN CLOTH.
- ⑦ COAT AREA WITH 1 COAT OF CLEAR LACQUER TO MIL-L-7178. FOR ENTIRE UNDERSURFACE OF WING. IF REQ'D, COAT AREA WITH 1 COAT OF ALUMINUM LACQUER TO MIL-L-7178.