

BRISTOL AEROSPACE LIMITED ENGINEERING MEMORANDUM

TITLE RELOCATION OF ADF SENSE ANTENNA SYSTEM		U.S. NO. 15972	ISSUE A	FIG. NO. 112	DATE -72
PART NO. PART USAGE		DWG. NO. 317-1081			
REASON FOR ISSUE		DISTRIBUTION: A—ACTION B—INFORMATION			
SALVAGE	CHECK BLOCKS AFFECTED	PROPORTION OF STOCK NOT AFFECTED	AS NOTED	TO DESIGN	TO A
CONCESSION	PARTS COMPLETED	PARTS IN PROCESS	SCMP	TO A/C	TO B
STOP ORDER/RELEASE	TOOLING	RAW MAT'L. AFFECTED	WORK	TO PROD.	TO C
NEW DRAWING	INTERCHANGEABILITY AFFECTED	STRENGTH AFFECTED	USE AS NOTED	TO E	TO D
REVISED DRAWING	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	TO E LTT'NG	TO E
VARIATION	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	TO F	TO F
OBSOLETE NOTICE	DATE 24 JUNE 69	DWG. CHANGE YES <input type="checkbox"/> NO <input type="checkbox"/>	DATE 24 JUNE 69	TO M/C PLANC/O	TO M
USE AS NOTED	AIRCRAFT REGISTRATION NO. CF-6XM	DATE 24 JUNE 69	DATE 24 JUNE 69	TO MANUF.	TO N
APPROVALS	CONTRACTS ADMIN.	CUSTOMER	CUSTOMER	TO MATERIAL	TO O
GIVE FULL PARTICULARS AND CATCH WHERE POSSIBLE	ESTRENGTHENING	CUSTOMER	CUSTOMER	TO M/C DUPT.	TO P

The Sense Antenna System located on the left side of the A/c centerline, will have to be moved to accommodate the overhead hatch. The reposition will be made as follows:

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JOHN FILE MA
 JUN 20 1969

1. Relocate the rear mast as follows:
 - (a) 24" aft of its present position and 11" to left of aircraft centerline.
 - (b) fabricate a doubler (0040 24ST) for this area, and install so as to pick up rivets on existing stringers and formers where possible.
 - (c) attach the mast to the reinforced skin section (116) using screws and anchornuts

2. Relocate the forward mast as follows:
 - (a) 4.25" aft of #5 bulkhead and 12" to the left of the aircraft centerline.
 - (b) fabricate a doubler (0040 24ST) and install by picking up rivets on nearby stringers.
 - (c) install the mast over this area using existing screws and locknuts.

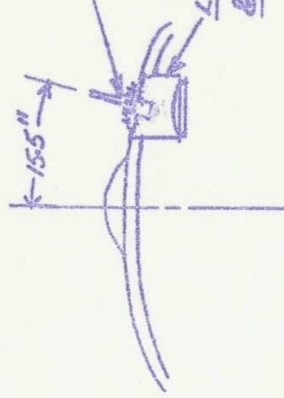
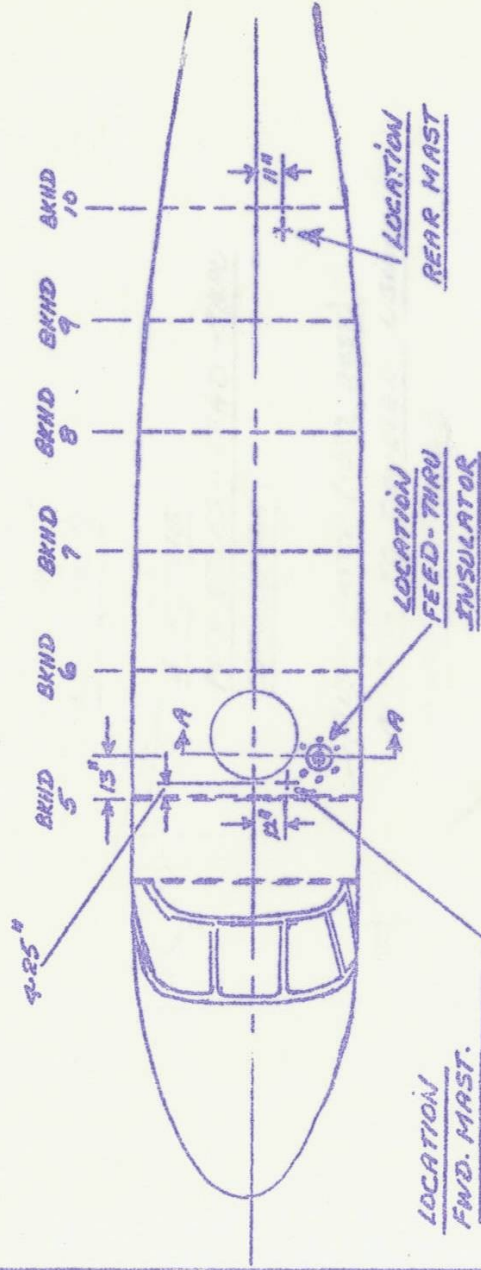
NOTE: WHEN EFFECTIVE IS DATED FROM S.M. CHANGES ARE TO BE EFFECTIVE UPON PLANNING DEPARTMENT AUTHORIZATION.

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VIEW AA

3. Relocate the Lead-Thru Insulator (Anstat 126-LI-100) as follows:

(a) locate and cut hole in skin to accept the lead-Thru Insulator, directly over the mtg. box for the l.h. fwd. cabin dome Lt (see sketch).

(b) install as per Sketch (shown on p. 2), using screws of the same type used for attaching the masts.

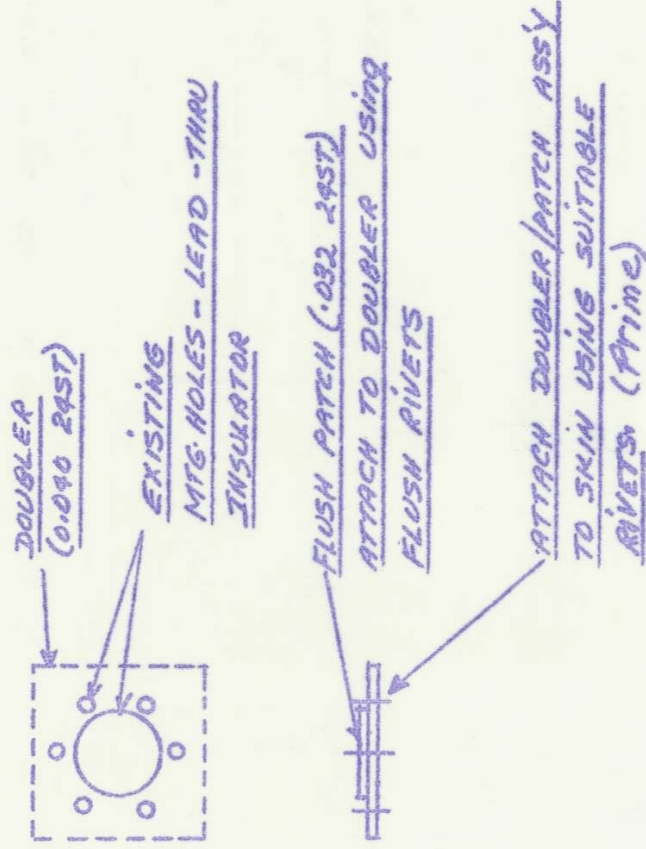
4. Repair the original mtg. hole for the lead-Thru Insulator as per sketch on p. 3.

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LEAD-THRU INSULATOR MTG HOLE REPAIR

5. Fill in the mtg holes at the original locations of the masts using suitable rivets.
6. Paint repaired sections to match the existing color scheme.
7. Attach the existing antenna wire assy to the relocated masts. Install a new wire from the Tee Connection to the relocated lead-thru insulator.
8. Route the existing sense antenna lead through an existing hole in $\phi 5$ dia. and then connect to lead-thru insulator (page 2)
9. Function check the ADF System.