

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2.		AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: B13723778 -001					
4. Organization Name and Address: MOOG INC. 6860 SENECA STREET, PLANT 24 ELMA, NY 14059 UNITED STATES OF AMERICA				5. Work Order/Contract/Invoice Number: R395415							
6. Item:		7. Description:		8. Part Number:		9. Quantity:		10. Serial Number:		11. Status/Work:	
001		ELEVATOR FEEL SYSTEM COMPUTER		162500 - 100		1		4554		REPAIRED	
12. Remarks: THE WORK REFERENCED IN BLOCK 11 WAS CARRIED OUT WITH REFERENCE TO THE FOLLOWING MAINTENANCE DATA. MODEL 162500-100 SERVICE BULLETIN 162500-27-124 REV.0 REF. CMM 27-31-09 REV.12 THE ATTACHED RETURN UNIT REPORT B13723778 DESCRIBES THE WORK PERFORMED. MOOG INC. CERTIFIES THAT THE WORK SPECIFIED IN BLOCKS 11 / 12 WAS CARRIED OUT IN ACCORDANCE WITH EASA PART 145 AND WITH RESPECT TO THAT WORK, THE COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA PART 145 APPROVAL NUMBER: EASA 145.4685											
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.						14a. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.					
13b. Authorized Signature:				13c. Approval/Authorization No:				14b. Authorized Signature: 			
13d. Name (Typed or Printed):				13e. Date (dd/mm/yyyy):				14d. Name (Typed or Printed): EDWIN FREELAND			
				13f. Date (dd/mm/yyyy):				14e. Date (dd/mm/yyyy): 20/JUN/2022			
User/Installer Responsibilities											
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.											

MOOG INC.

AIRCRAFT GROUP
EAST AURORA, NEW YORK 14052-0018
TIME PRINTED: 15013297

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06/20/2022

RETURN UNIT REPORT (CUSTOMER)

RUR: B13723778
SHIPPED MODEL/PART: 162500-100
SHIPPED SERIAL NBR: 4554
DIV: B
SALES ORDER NO: BRR0792278
SALES ORDER ITEM: 001
RMA#: 0
CUST AUTHORIZATION RQD.: (Y/N)
WITHIN WARRANTY: N (Y/N)
RECALLED: N (Y/N)
FAILURE ANALYSIS RQD.: (M/C/N)
DAYS ARO: 10
DATE QUOTE PRINTED: 06/10/22
DATE AUTHORIZATION RECVD:

PACKAGE ID#: 776913783129
BILL TO CUSTOMER: 02509

RECVD SERIAL NBR DATE OF MFG:
CUSTOMER REPORT NO:
MOOG FR/FAR:
REASON FOR RETURN: P

RECEIVER
COMMENTS:

COMMENTS

05/26/22 RFR: ELEVATOR FEEL COMPUTER WITH LEAKAGE OUT OF LIMITS
WORKSCOPE: PLEASE REPAIR UNDER T&M-QUOTE AND HOLD

INSPECTION AND PERFORMANCE REPORT
06/02/22 INCOMING/REC: VISUAL MISSING BOTH PITOT UNIONS, REMOVED SIDE COVERS, OIL IN STATIC CAVITIES, DIAPHRAGMS SWOLLEN, SYS B CORNER OF MANIFOLD DAMAGED REPAIR AND ALODINE, PASSED ALL ELECTRICAL TESTS, TEST FAILURES ARE PITOT LEAKAGE DIAPHRAGMS SWOLLEN, LEAKAGE FROM WEEPHOLE. MOUNTING FEET HOLE DAMAGE, AND RIGGING. TESTED IAW CMM 27-31-09 REV 12.
06/02/22 TEARDOWN REPORT; RECOMMEND THAT SB 162500-27-124 REV 0 BE PERFORMED. REPLACE ALL AFFECTED ORINGS AND SEALS, REPLACE MISSING PITOT UNIONS, REPAIR SYS B MOUNTING FOOT CORNER, AND ALODINE AFFECTED AREA. REPLACE DIAPHRAGMS, POLISH BELOW RODS, INSPECT PDS VALVE BORES, REPAIR IAW CMM 27-31-09 REV

TIME OF FAILURE: P
RESPONSIBILITY: C

FAILURE VERIFIED: N

RCVD FROM NAME/LOCATION: AJ WALTER AVIATION LTD
RCVD MODEL/PART: 162500-100
RCVD SERIAL NBR: 4554
CUSTOMER PO#: R395415
TIME SINCE NEW: UNKNOWN
CYCLES SINCE NEW: UNKNOWN
DATE RECEIVED: 05/26/22
PROD/RFS: RFS
A/C #: PR-AJY
REMOVAL DATE: UNKNOWN

SIGNATURE:

Edm. Yland

TITLE: Final Inspector

DATE:

JUN 20 2022

MOOG INC.

AIRCRAFT GROUP
EAST AURORA, NEW YORK 14052-0018
TIME PRINTED: 15013297

RETURN UNIT REPORT (CUSTOMER)

RUR: B13723778
SHIPPED MODEL/PART: 162500-100
SHIPPED SERIAL NBR: 4554

RCVD FROM NAME/LOCATION: AJ WALTER AVIATION LTD
RCVD MODEL/PART: 162500-100
RCVD SERIAL NBR: 4554

COMMENTS

06/17/22 12. WORK PERFORMED: REPLACED ALL AFFECTED ORINGS AND SEALS, REPLACED DIAPHRAGMS, PERFORMED SB 162500-27-124 REV 0. REPLACED BELLOWS RODS, INSPECTED PDS VALVE BORES, REPLACED MISSING PITOT UNIONS, REMOVED RAISED EDGE ON SYS B MOUNTING FOOT AND ALODINED AFFECTED AREA, REPAIRED IAW CMM 27-31-09 REV 12. AND TEST COMPLETE IAW CMM 27-31-09 REV 12. PERFORMED 06/20/22 REPAIR AND TEST COMPLETE IAW CMM 27-31-09 REV 12. PERFORMED SB 162500-27-124 REV 0.

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RCVD FROM NAME/LOCATION: AJ WALTER AVIATION LTD
RCVD MODEL/PART: 162500-100
RCVD SERIAL NBR: 4554

SHIPPED UNITS HISTORY

MODEL/PART	SHIPPED	TYPE	RUR/WO
162500-100	09/01/92	N	

PART NUMBER	PART DESCRIPTION	QTY	CATALOG UNIT PRICE	UNIT PRICE	EXTENDED AMOUNT
BACR12BM014	BACK-UP-RING	4			
BACR12BM015	RING BACKUP	12			
CA26994-001	DIAPHRAGM BELLOW ASSY ELEVATO	2			
MS21902D6	UNION TUBE .562-18T .3750D AL	2			
MS24665-151	PIN COT 0.0620D 0.50L SST PAS	1			
NAS1611-006	ORING OBSOLETE FOR FUTURE DESI	2			
NAS1611-007	ORING OBSOLETE FOR NEW DESIGN	6			
NAS1611-010	ORING OBSOLETE FOR NEW DESIGN	2			
NAS1611-014	ORING OBSOLETE FOR FUTURE DESI	2			
NAS1611-015	ORING OBSOLETE FOR FUTURE DESI	6			
NAS1611-019A	ORING 0.801 .070 EPR 80D MIL	1			
NAS1612-6	ORING OBSOLETE FOR FUTURE DSGN	2			
S11338-008	CAP STRIP	6			
S30071-112	RING	4			
162398-001	GASKET	2			
401-67804-003	MODIFICATION PLATE	2			
MS20426B3-4	RIVET SOL CSK .093D .250L AL5	4			
NAS1352N06H8P	SCR SOC .138-32 0.50L A286CAD	4			
	** END OF DETAIL **				

PARTS
LABOR

TOTAL PRICE