

1. Approving Competent Authority/Country EASA		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1		3. Form Tracking Number 00000000000010741702 Page 1 of 1	
4. Organisation Name and Address: Goodrich Control Systems The Radleys, Marston Green Birmingham, West Midlands B33 0HZ, United Kingdom TEL: +44(0)121 788 5000 FAX: +44(0)121 779 5712				5. Work Order/Contract/Invoice R416598	
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work
01	ENGINE ELECTRONIC CNTRLR	EEC9000-10	1 EA	BX76185	REPAIRED
12. Remarks REF: CMM 73-21-42 TRANS 11 MAY 13/19 AND APPROVED DESIGN DATA REPAIRED, RECERTIFIED SOFTWARE STD: TB77112A (B7.3) TSN: 30107:54 CSN: 6955					
13a. Certifies that 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. ☒ Part-145.A.50 Release 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 Part 145 and in respect to that work the items are considered ready for release to service.		
13b. Authorised Signature		13c. Approval / Authorisation Number		14b. Authorised Signature  M/D 7360	
13d. Name		13e. Date (dd mmm yyyy)		14c. Certificate / Approval Ref. No. EASA.UK.145.00857	
				14d. Name NICOLA PERKINS	
				14e. Date (dd mmm yyyy) 02 NOV 2023	
USER / INSTALLER RESPONSIBILITIES This certificate does not automatically constitute authority to install the item(s). Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority 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.					

1. Approving Competent Authority/Country: CAA/UK		2. AUTHORISED RELEASE CERTIFICATE CAA FORM 1		3. Form Tracking Number: 00000000000010741699 Page 1 of 1	
4. Organisation Name and Address: Goodrich Control Systems The Radleys, Marston Green Birmingham, West Midlands B33 0HZ, United Kingdom TEL: +44(0)121 788 5000 FAX: +44(0)121 779 5712				5. Work Order/Contract/Invoice: R416598	
6. Item:	7. Description:	8. Part No.:	9. Qty:	10. Serial No.	11. Status/Work:
01	ENGINE ELECTRONIC CNTRLR	EEC9000-10	1	BX76185	REPAIRED
12. Remarks: REF: CMM 73-21-42 TRANS 11 MAY 13/19 AND APPROVED DESIGN DATA REPAIRED, RECERTIFIED SOFTWARE STD: TB77112A (B7.3) TSN: 30107:54 CSN: 6955					
The work identified in Block 11 and described herein has been accomplished in accordance with 14 CFR part 43 and in respect to that work, the items are approved for return to service under certificate no. LU6Y506J					
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. ☒ Part-145.A.50 Release 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 Part 145 and in respect to that work, the items are considered ready for release to service.					
13b. Authorised Signature:		13c. Approval / Authorisation Number		14b. Authorised Signature:  UK.145.00857	
13d. Name:		13e. Date (dd mmm yyyy):		14d. Name: NICOLA PERKINS 14e. Date (dd mmm yyyy): 02 NOV 2023	
USER / INSTALLER RESPONSIBILITIES This certificate does not automatically constitute authority to install the item(s). Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority 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.					

INSPECTION STRIP REPORT

ECS MG MRO
Engine Control Systems
The Radleys, Marston Green
BIRMINGHAM, WEST MIDLANDS B33 0HZ
UNITED KINGDOM
Repair Station #LU6Y506J



UTC Aerospace Systems

Customer A J WALTER AVIATION	Cust PO R416598	Operator PO
Input Part EEC9000-10	Input Serial BX76185	Qty 1.000
Output Part	Output Serial	Workscope REPAIR
Cust Part	Cust Serial BX76185	Status/Work REPAIRED
Description ENGINE ELECTRONIC CNTRLR	Removal Code	Failure Date 17.07.2023
Aircraft Exempt-Aircraft applications > 8,000 kg	Engine Type TRENT 800	
Incoming NSN N/A	Outgoing NSN N/A	Tail No 4X-ECE
Date Rec'd 05.09.2023	Quote Date 10.10.2023	Accept Date 23.10.2023
Ship Date	DOM 20.06.2006	Last Order Date
Sales Order 120956297	Work Order 45778458	Notification 305357737

Measuring Point:

	Serial #	CSN	TSN	CSO	CSR	TSO	TSR	TSCMP					
INP	BX76185	6955	30107.54	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN					

Engine Serial Number : UNKNOWN

Customer Reason for Return

Customer Rec'd Info

REMOVAL REASON: INOP

COST ESTIMATE TO REPAIR

No Investigation Required

Investigation Required - NO

Conditions

As Received External Condition / Test

Paintwork damaged.

Bonding test completed.

Card seating check satisfactory.

Fault code store extracted.

Unit received with B7.3 standard software.

Control software check passed.

Functional test at ambient passed.

Engineering Notes

Diag Results / Summary of Strip Detail

Fault code store review found "711" Initiated Test FMV Hardstop Fail (no lower level flags). Also "95" EEC channel B depowered (no lower level flags).

INSPECTION STRIP REPORT



Work Order	45778458	Description	ENGINE ELECTRONIC CNTRLR	Date Rec'd	05.09.2023
Input Part	EEC9000-10	Input Serial	BX76185		
Cust Part		Cust Serial	BX76185		

2 Cycles GV Burn-In failed lane 'A' VSV TM and lane 'B' Spare Solenoid #1.
VSV TM fault isolated to LMC1887 cracked joint on JB4.
Spare solenoid #1 fault isolated to lane 'B' L081732, H1 to be replaced.
LMC1887 and L081732 removed and slave cards fitted.
2 Cycles GV Burn-In passed.
Functional test at cold passed.
Functional test at hot passed.
FMV resolver articulation test passed.
Slave cards removed.

Lane 'B' LMG4221 sent for inspection of T1, H1, H2 and Header PTH joints.
No defects found.

Lane 'A' L031833 sent for full inspection. Findings are as follows:
C22 damaged.

Work Performed

Summary of Work

Paintwork repaired.
LMC1887 - Cracked joint on JB4 reflowed.
L081732 - H1 treplaced.
L031833 - C22 replaced.

Test Results

Test Performed

Functional test at ambient.
2 Cycles GV Burn-In.
Cold PAT.
Hot PAT.
Bonding test.
Ambient PAT.
Control software check with B7.3 standard software.
All tests completed with satisfactory results.

Recertification

Comments / Warranty Statement

REPORTED FAULT NOT CONFIRMED.
Unit repaired and recertified in accordance with CMM 73-21-42.

Removal - Unscheduled

Components :

Order	Material	Description	Req Qty	Issued	Reason Code	Stor Loc
45778458	86610457	TRANSPORTATION LABEL	1	1	TECHNICAL DOCUMENT	ELST

ECS MG MRO
Engine Control Systems
The Radleys, Marston Green
BIRMINGHAM, WEST MIDLANDS B33 0HZ
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INSPECTION STRIP REPORT



UTC Aerospace Systems

Work Order	45778458	Description	ENGINE ELECTRONIC CNTRLR	Date Rec'd	05.09.2023
Input Part	EEC9000-10	Input Serial	BX76185		
Cust Part		Cust Serial	BX76185		

45818189	86623467	HYBRID AN2017	1	1	FAILED TEST	ELST
45819491	GTS1328-103K	CAPACITOR 0805 2C1	1	1	NON- CONFORMING	ELST

Author :
Print name :

Signature:
Date: 02.11.2023

MATTHEW WATLING

Authorized Approval :

Print name :

Signature:

Date:

Nothing in this report shall be deemed to be an admission by the Company of liability for any loss or damage of any kind whatsoever caused directly or indirectly by a defect in material or workmanship or by any defect in equipment the subject of this report or by any negligence by the Company or any servant or agent of the Company GOODRICH, MARSTON GREEN, ENGLAND.

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