


1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking Number: WO129275	
4. Organization Name and Address: AJW Technique Inc 7055, rue Alexander Fleming Saint-Laurent QC H4S-2B7 Canada					5. Work Order, Contract or Invoice Number: R399282-1	
6. Item: 7. Description:		8. Part Number:		9. Quantity:	10. Serial/Batch Number:	11. Status/Work:
1		LGIU Landing Gear Computer Interface Un		664700500A4D		1.00
				3558		REPAIRED
12. REMARKS REPAIRED AND TESTED SERVICEABLE IN ACCORDANCE WITH CMM 32-31-39 REV.17 DATED MAY 30, 2015. FOR ADDITIONAL INFORMATION REFER TO THE TEAR DOWN REPORT.						
EASA Approval No.: EASA.145.7260 Maintenance performed in accordance with FAR 43.17						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12		14a. Certifies that, except where otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was performed in accordance with Canadian Aviation Regulations. <input checked="" type="checkbox"/> CAR 571.10 Maintenance Release <input checked="" type="checkbox"/> Other regulation specified in Block 12				
13b. Signature:		13c. Approved Organization Number		14b. Signature 		14c. Approval Organization Number 33-12
13d. Name (Typed or Printed):		13e. Date		14d. Name (Typed or Printed) Cameron Brown		14e. Date (dd/mm/yyyy) 17/Oct/2022
Installer Responsibilities						
This certificate does not constitute authority to install the part. Installers working in accordance with the national regulations of a country other than specified in Block 1, must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.						

AJW TECHNIQUE

100-7055 Alexander-Fleming, Saint-Laurent, QC, H4S 2B7, Canada
www.ajw-group.com

Tear Down/Inspection Report

Work Order: WO129275

Date Printed: 10/17/2022

Customer RO: R399282-1

Page: 1

To:

A J Walter Aviation Ltd.
THE HEADQUARTERS
MAYDWELL AVENUE
SLINFOLD, WEST SUSSEX RH13 0AS
UNITED KINGDOM

Code: AJW01

Fax:

Phone:

Email:

Descr: LGCIU Landing Gear Computer Interface Unit

P/N: 664700500A4D

Qty: 1

S/N: 3558

Mfg: ULTRA ELECTRONICS

TSN: N/A

TSO: N/A

TSR: N/A

CSN: N/A

CSO: N/A

CSR: N/A

P/N Out: 664700500A4D

Serial Out: 3558

Symptoms:

CODE: REASON FOR REMOVAL

DETAILS: fault

Faults:

CODE: INITIAL TEST FAILURE

DETAILS: Initial test failure due to the unit is inoperative with no response. One image is attached showing : no ARINC transmissions were received from the unit. (stone dead)

CODE: CUSTOMER REASON FOR REMOVAL CONFIRMATION

DETAILS: Reason for removal is confirmed by test failures.

CODE: REPAIR

DETAILS: The following repair is required: Fault history reviewed for this unit as follows:

W/O 84089, REMOVAL WAS CONFIRMED- the Microprocessor card failed with code H138, the card was resoldered. SIL LG 05/03 was confirmed to have been previously embodied by another MRO.

W/O 90307, REMOVAL WAS CONFIRMED- Microprocessor card failed again with code H138 and was replaced under warranty.

W/O 103909, REMOVAL WAS NOT CONFIRMED- no failures were confirmed on testing. The Microprocessor card and the Interface cards were re inspected and SIL LG 05/03 was confirmed to be done correctly.

W/O 129275, CONFIRMED REMOVAL- the Microprocessor card failed (completely inoperative as received). A cracked solder joint was discovered at the location of I.C.3 and repaired.

Conclusion: all 4 removals were caused by a defective Microprocessor card. Unit failures are not related to the Interface cards or SIL LG 05/03, this SIL has been confirmed as previously embodied and done correctly.

CODE: AD, SB, MOD, SIL REQUIREMENT

DETAILS: SIL LG 05/03 has been previously embodied and is not required.

CODE: WARRANTY REQUESTED

DETAILS: Warranty requested is: accepted

Due to faults repeating in this unit we will repair under warranty. The replacement Microprocessor card pn 001-LG-01-0800 which was installed under warranty at WO 90307 failed and required a repair.

CODE: RE-QUOTE

DETAILS: Re-quote is required for the following reason(s): Changed to WARRANTY ACCEPTED due to a defective Microprocessor card,

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Customer RO: R399282-1

Page: 2

fault repeating.

Corrective Actions:

CODE: REPAIRED

DETAILS: Cleaned and inspected, repaired the Microprocessor card. Tested serviceable in accordance with cmm 32-31-39 rev.17 dated May 30, 2015.