



1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE				3. Form Tracking Number. WO148915	
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: R417797	
6. Item: 7. Description:		8. Part Number:		9. Quantity:		10. Serial/Batch Number:	
1 VACUUM SYSTEM CONTROLLER		14404-010		1.00		0311791	
11. Status/Work: REPAIRED							
12. REMARKS UNIT CLEANED, REPAIRED AND TESTED SERVICEABLE IN ACCORDANCE WITH CMM 38-34-12, REVISION No.: 07 DATED: MAR 31/1999. FOR MORE INFORMATION REFER TO MAINTENANCE REPORT.							
<div>PRINTED FROM ELECTRONIC FILE</div> <div>EASA Approval No.: EASA.145.7260 Maintenance performed in accordance with FAR 43.17</div>							
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)		14e. Date (dd/mm/yyyy)	
				Hassan Boudemij		15/Dec/2023	
<div>Installer Responsibilities</div> <div></div>							
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.							

Work Order: WO148915

Date Printed: 12/15/2023

Customer RO: R417797

Page: 1

To:

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

Code: AJW01

Fax:

Descr: VACUUM SYSTEM CONTROLLER

Phone:

P/N: 14404-010

Qty: 1

Email:

S/N: 03111791

Mfg: MAG AEROSPACE

TSN: N/A

TSO: N/A

TSR: N/A

CSN: N/A

CSO: N/A

CSR: N/A

P/N Out: 14404-010

Serial Out: 03111791



Symptoms:

CODE: FUNCTIONAL DEFECT

DETAILS: Inop

Vacuum generator inoperative.

Faults:

CODE: INITIAL TEST FAILURE

DETAILS: Initial test failed MSR output each time under load unit shut down.
and failed some programmed tests randomly.
EPROM U203 and U204 must be reprogrammed.

CODE: CUSTOMER REASON FOR REMOVAL CONFIRMATION

DETAILS: Reason for removal is confirmed.

CODE: DISASSEMBLY / INSPECTION FINDINGS

DETAILS: During disassembly and inspection of the unit the following anomalies were found:
unit dirty contaminated with dust and dirt from ventilation duct.
On troubleshooting found capacitor C1201 blown up (see pictures), and capacitors C1202, C1203-C1205 and C1207 out of range.
EPROM U203 and U204 will be reprogrammed.

CODE: CLEANING

DETAILS: Cleaning is required due to contamination of dirt and dust.

CODE: PCBR

DETAILS: Pcb level 3 repair required on board:
MAIN BOARD P/N: 9451-020100-00C.

CODE: REPAIR

DETAILS: Unit will be repaired in accordance with cmm 38-34-12.

Corrective Actions:

Work Order: WO148915

Date Printed: 12/15/2023

Customer RO: R417797

Page: 2

CODE: REPAIRED

DETAILS: UNIT CLEANED, REPAIRED AND TESTED SERVICEABLE IN ACCORDANCE WITH CMM 38-34-12.

PN	Description	Reason	Qty Needed	Disposition
A1233299	CAPACITOR, FIXED 47 MUF M10P5	DE	4	Consumable
MAL213817471E3	CAPACITOR 470 UF, 40 V	DE	2	Consumable

Work Order: WO148915

Date Printed: 12/15/2023

Customer RO: R417797

Page: 3

REASON LEGEND

- (AD) AD: Part replaced due to Air worthiness Directive that needs to be incorporated. This code will include the last digits of the "AD".
- (BR)* BROKEN: Part found Broken, cracked, crushed, ruptured, split, frayed, deformed. "NOT Customer Induced".
- (BU)* BURNT/MELTED: Part found burnt, overheated, scorched, seared, blistered, short circuited etc...
- (CID) CUSTOMER INDUCED DAMAGED: Part which is found damaged due to lack of maintenance, incident, mishandling, FOD etc....
- (CO)* CORRODED: Part found corroded, pitted, rusted, decayed, oxidized, powdery and is beyond repair.
- (CMM) 100% CMM: Part which is a mandatory replacement as per CMM.
- (CR) CUSTOMER REQUEST
- (CT)* CONTAMINATED: Part found contaminated by foreign object, debris, water, oil etc..." NOT Customer Induced".
- (DE)* DEFECTIVE: Part defective, intermittent or loose
- (DL)* DELAMINATED: Part found delaminated.
- (LE)* LEAKING: Part Leaking, seeping, porous beyond acceptable level as per CMM
- (MI) MISSING: Part missing to complete a unit as per CMM. "Customer responsibility"
- (MOD) MODIFICATION: Part requires modification as per CMM or other technical documentation. Part may be modified or replaced with a modified part.
- (NR)* NOT REUSABLE: Part that cannot be reused EX: O-ring, rings, gaskets, packing's, retainers, stripped screws, lock nuts, seals, lock washer.
- (OOS) OUT OF SCOPE: Unit discrepancy not directly caused by customer and is above and beyond normal wear and tear or excluded from applicable commercial contracts.
- (OOT)* OUT OF TOLERANCE: Part did not meet the tolerance or calibration as per CMM.
- (RP)* RUPTURED: Part Punctured, ripped, torn, cut, deteriorated. (For Diaphragm, bellows...)
- (RW)* REWORKED: Part reworked, refurbished, balanced, machined as per CMM.
- (SB) SB: Part replaced due to Service Bulletin that needs to be incorporated. This code will include the last digits of the "SB"
- (SE)* SEIZED: Part seized.
- (SIL) SIL: Part replaced due to Service Information Letter that needs to be incorporated. This code will include the last digits of the SIL.
- (TX) TIME CONTROLLED: Part reached the end of its life, it is time expired and may either be overhauled if applicable or replaced due to times or cycles.
- (WO)* WORN: Part scratched, grinded, rubbed, grooved, scrapped, gouged, chipped, abrasion etc....
- (WT) WARRANTY: Part replaced under warranty
- (CS) CUSTOMER SUPPLIED PARTS
- (NDT) NON DESTRUCTIVE TEST
- (IP) INCORRECT PART; (SS) SUPERSEDED; (AR) AS REQUIRED;
- * NORMAL WEAR AND TEAR