


1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE				3. Form Tracking Number. WO148268	
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: R417086	
6. Item: 7. Description:		8. Part Number:		9. Quantity:		10. Serial/Batch Number:	
1 Energy Box - Power Supply Unit		8ES005309-00		1.00		1072839	
11. Status/Work: REPAIRED							
12. REMARKS Repaired as per CMM 33-42-30 Rev. 1 Jan. 20/92. For additional information refer to tear down report.							
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) Jacques Moisan		14e. Date (dd/mm/yyyy) 21/Nov/2023	
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install the part.</p> <p>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.</p> <p>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.</p>							

EASA Approval No.: EASA.145.7260
Maintenance performed in accordance with FAR 43.17

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To:

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

Code: AJW01

Fax:

Descr: Energy Box - Power Supply Unit

Phone:

P/N: 8ES005309-00

Qty: 1

Email:

S/N: 1072839

Mfg: GOODRICH LIGHT GMBH

TSN: UNK

TSO: UNK

TSR: UNK

CSN: UNK

CSO: UNK

CSR: UNK

P/N Out: 8ES005309-00

S/N Out: 1072839

Symptoms:

CODE: FUNCTIONAL DEFECT

DETAILS: Unit inop.

Faults:

CODE: INITIAL TEST FAILURE

DETAILS: Initial test failure is attributed to Rectifier TH2 defective and presence of cold solder joint at capacitor C19.

CODE: DISASSEMBLY / INSPECTION FINDINGS

DETAILS: During disassembly and inspection of the unit the following anomalies were found:

Rectifier TH1 worn : To be replaced as a precaution.

Presence of cold solder joints on the PC board.

Spring washers (Main capacitors) corroded.

Voltages 1 and 2 out of CMM specs.

CODE: PAINTING

DETAILS: Painting is required due to paint worn on the unit's cover.

CODE: CLEANING

DETAILS: Cleaning is required due to unit contaminated.

CODE: REPAIR

DETAILS: The following repair(s) will be performed:

Rectifiers (TH1 and TH2) to be replaced.

Unit's cover to be re-painted.

Solder joints to be repaired.

Spring washers to be replaced.

Voltages 1 and 2 to be adjusted per CMM specs.

Unit to be cleaned.

Repaired as per CMM 33-42-30 Rev.1 Jan,20/92.

Corrective Actions:

CODE: REPAIRED

DETAILS: Rectifiers (TH1 and TH2) replaced.

Unit's cover re-painted.

AJW TECHNIQUE

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

Tear Down/Inspection Report

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Solder joints repaired.
Spring washers replaced.
Voltages 1 and 2 adjusted per CMM specs.
Unit cleaned.

Repaired as per CMM 33-42-30 Rev.1 Jan,20/92.

<i>PN</i>	<i>Description</i>	<i>Reason</i>	<i>Qty Needed</i>	<i>Disposition</i>
8ES400634-00	TRANSISTOR THYRISTR	DE	1	Consumable
8ES400634-00	TRANSISTOR THYRISTR	WO	1	Consumable
9NU023046-01	LOCKWASHER	CO	8	Consumable

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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