


1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE		3. Form Tracking Number. WO102548	
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: R379402-1	
6. Item 7. Description:		8. Part Number:		9. Quantity:	10. Serial/Batch Number:
1 STARTER MOTOR AUXILIARY POWER UN		2704506-4		1.00	1564
11. Status/Work: OVERHAULED					
12. REMARKS Unit overhauled in accordance with CMM 49-41-20 Rev. 8, Dated 9 Dec 2020. For additional information refer to the Tear Down/Inspection 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 	
13d. Name (Typed or Printed):		13e. Date		14c. Approval Organization Number 33-12	
				14d. Name (Typed or Printed) Jean Stephane Pigeon	
				14e. Date (dd/mm/yyyy) 22/Mar/2021	
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.					

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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: STARTER MOTOR AUXILIARY POWER UNIT

Phone:

P/N: 2704506-4

Qty: 1

Email:

S/N: 1564

Mfg: HONEYWELL INTL

TSN: N/A

TSO: N/A

TSR: N/A

CSN: N/A

CSO: N/A

CSR: N/A

P/N Out: 2704506-4

Serial Out: 1564

Symptoms:

CODE: REASON FOR REMOVAL

DETAILS: POSITIVE TERMINAL COPPER STRIP MELTED.

Faults:

CODE: INITIAL TEST FAILURE

DETAILS: Unit fail isolation test.

CODE: CLEANING

DETAILS: Heavy contamination with carbon dust and oil; to be deeply cleaned.

CODE: OUT OF SCOPE

DETAILS: Terminal assembly burnt; to be replaced.
Stator winding assembly burnt; to be repaired.
Washers on terminal assembly burnt; to be replaced.
Probable cause: Aircraft cable terminal not installed directly on copper starter contact (see pictures)

CODE: PARTS MISSING/INCOMPLETE

DETAILS: Terminal boot missing; to be installed.

CODE: REWORK

DETAILS: Stator winding assembly burnt; to be repaired.
Armature needs to be machined and balanced.

CODE: PAINTING

DETAILS: Unit needs to be repainted.

CODE: OVERHAUL

DETAILS: Unit fail isolation test.
Heavy contamination with carbon dust and oil; to be deeply cleaned.

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-----OUT OF SCOPE-----

Terminal assembly burnt; to be replaced.
Stator winding assembly burnt; to be repaired.
Washers on terminal assembly burnt; to be replaced.
Probable cause: Aircraft cable terminal not installed directly on copper starter contact (see pictures)

-----MISSINGS PARTS-----

Terminal boot missing; to be installed.

Armature needs to be machined and balanced.
Insulation sleeveings worn; to be replaced.
Springs worn; to be replaced.
Brushes worn; to be replaced.
Bearings worn; to be replaced.
Pre-load washer worn; to be replaced.
Lock-nuts, lock-washers, and O-rings not reusable; to be replaced.
Unit to be re-shimmed per CMM.
Unit needs to be repainted.
Caution, Pos and Hand crank access labels to be replaced.
Unit to be overhauled in accordance with CMM 49-41-20 Rev. 8, Dated 9 Dec 2020.

Corrective Actions:

CODE: OVERHAULED

DETAILS: Unit cleaned.
Terminal assembly replaced.
Stator winding assembly repaired.
Washers on terminal assembly replaced.
Terminal boot installed.
Armature machined and balanced.
Insulation sleeveings replaced.
Springs replaced.
Brushes replaced.
Bearings replaced.
Pre-load washer replaced.
Lock-nuts, lock-washers, and O-rings replaced.
Unit re-shimmed.
Unit repainted.
Labels replaced.
Unit overhauled in accordance with CMM 49-41-20 Rev. 8, Dated 9 Dec 2020.

PN	Description	Reason	Qty Needed	Disposition
137-121-0113	BEARING	WO	1	Consumable
2011600-2	ARMATURE ASSY	RW	1	Work Order
2011632-1	BEARING	WO	1	Consumable
2710202-1	KEY, NUT LOCKING	NR	1	Consumable
2710488-1	TERMINAL ASSY	OOS	1	Consumable
2710489-1	TERMINAL BOOT	MI	1	Consumable
2710505-1	WINDING ASSEMBLY	OOS	1	Repair
2710980-1	SPRING	WO	7	Consumable
67620964-2	BRUSH ASSY	WO	8	Consumable

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791-502-9006	WASHER, SPRING TENSION	WO	1	Consumable
B0500-038	WASHER SPRING	NR	12	Consumable
M83248-1-025	PACKING	NR	1	Consumable
M83248/1-015	PACKING	NR	1	Consumable
MS21043-5	NUT	NR	1	Consumable
MS21043-6	NUT	NR	1	Consumable
MS21044N3	NUT	NR	2	Consumable
MS21083N4	NUT	NR	4	Consumable
MS24693S273	SCREW	WO	16	Consumable
MS35206-215	SCREW	WO	2	Consumable
NAS720-6-6	SCREW	NR	8	Consumable
S8154-116C002	SHIM	AR	1	Consumable
S8154-116C005	SHIM	AR	1	Consumable
S8154-192C002	SHIM	AR	1	Consumable
S8154-192C010	SHIM	AR	4	Consumable
S8157ED13-075P	WASHER	BU	1	Consumable
S8157ED13-109P	WASHER	BU	1	Consumable
S8157ED63-075P	WASHER	BU	1	Consumable
S8157ED63-109P	WASHER	BU	1	Consumable
S8192-143AJ009	INSULATOR	WO	1	Consumable
S8192-308AAB065	INSULATOR	WO	8	Consumable
S8454R106	LABEL, (HAND CRANK ACCESS)	WO	1	Consumable
S8454R89	LABEL, POS.	WO	1	Consumable
S8496-344	LABEL-CAUTION	WO	1	Consumable
S9046-2-1-612	SLEEVING INSULATING	WO	4	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.
- (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: Part supplied by customer
- (NDT) NON DESTRUCTIVE TEST
- (IP) INCORRECT PART; (SS) SUPERSEDED; (AR) AS REQUIRED;
- * NORMAL WEAR AND TEAR