

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking Number. WO144524	
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: R413646	
6. Item:		7. Description:		8. Part Number:	9. Quantity:	10. Serial/Batch Number:
1		RUDDER SERVO CONTROL		810A0000-06	1.00	0810A00NR041577
11. Status/Work: REPAIRED						
12. REMARKS Unit was repaired and tested in accordance with CMM 27-21-01 Rev.14, Dated: Oct 15/19 and CRM 27-21-01RM Rev.3, Dated: Oct 15/19. For additional information please refer to the tear down / inspection report.						
PRINTED FROM ELECTRONIC FILE						
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 <i>Amine Hilan</i>		14c. Approval Organization Number 33-12
13d. Name (Typed or Printed):		13e. Date		14d. Name (Typed or Printed) Amine Hilan		14e. Date (dd/mm/yyyy) 31/Aug/2023
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
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Tear Down/Inspection Report

Work Order: WO144524

Date Printed: 8/31/2023

Customer RO: R413646

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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: RUDDER SERVO CONTROL

Phone:

P/N: 810A0000-06

Qty: 1

Email:

S/N: 0810A00NR041577

Mfg: LIEBHERR LINDENBERG

TSN: 25612.6

TSO: 25612.6

TSR: 0

CSN: 20225

CSO: 20225

CSR: 0

P/N Out: 810A0000-06

S/N Out: 0810A00NR041577

Symptoms:

CODE: REASON FOR REMOVAL

DETAILS:

MOC 440780 AIRCRAFT VIBRATION DURING CLIMB FRPM FL 160.

Faults:

CODE: INITIAL TEST FAILURE

DETAILS: - Both Eye End and Cylinder Assy Bearings' (PN: 9038A0016-02) radial play is excessive.

CODE: CUSTOMER REASON FOR REMOVAL CONFIRMATION

DETAILS: Reason for removal is confirmed: Eye End Bearing and Cylinder Assy Bearing radial play is excessive.

CODE: DISASSEMBLY / INSPECTION FINDINGS

DETAILS: During disassembly and inspection of the unit the following anomalies were found:
- Both Eye End and Cylinder Assy Bearings' (PN: 9038A0016-02) radial play is excessive.
-Label fluid PN: 4A094-0104 found missing need to be replaced.
-Identification plate PN: 099A0036-01 found missing need to be replaced.
-sealant need to be reapplied.

CODE: REPAIR

DETAILS: This unit will be repaired in accordance with CMM 27-21-01 Rev.14, Dated: Oct 15/19 and CRM 27-21-01RM Rev.3, Dated: Oct 15/19.
The following repairs will be performed:
- Both Eye End and Cylinder Assy Bearings (PN: 9038A0016-02) will be replaced with New.
-Label fluid PN: 4A094-0104 will be replaced.
-Identification plate PN: 099A0036-01 will be replaced
-Sealant will be applied.

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Corrective Actions:

CODE: REPAIRED

DETAILS: Unit was repaired and tested in accordance with CMM 27-21-01 Rev.14, Dated: Oct 15/19 and CRM 27-21-01RM Rev.3, Dated: Oct 15/19.

The following repairs was performed:

- Both Eye End and Cylinder Assy Bearings (PN: 9038A0016-02) was replaced with New.
- Label fluid PN: 4A094-0104 was replaced.
- Identification plate PN: 099A0036-01 was replaced
- Sealant was applied.

PN	Description	Reason	Qty Needed	Disposition
099A0036-01	IDENTIFICATION PLATE	MI	1	Consumable
4A094-0104	LABEL FLUID	MI	1	Consumable
9038A0016-02	BEARING SWIVEL	WO	2	Consumable
9095A0001-01	QUAD RING	MI	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.
- (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