

4. Organisation
 Skyways Technics A/S
 Lufthavnsvej 1B
 6400 Sønderborg
 Denmark

SKYWAYS TECHNICS

5. Work Order/ Contract/ Invoice
 005048

6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work
1	TRIM TAB ASSY	S5547900002800	1	L/N 0701	REPAIRED

12. Remarks

PERFORM REPLACEMENT OF TAB HINGE BEARING IN REF. WITH WITH SRI: ES_00234914_01 ISSUE A. DATE APR 02/2024.
 PERFORMED PAINT I.A.W. SRM 51-21-27 REV.116 DATED. NOV 01/23.
 TAB BALANCING PERFORMED I.A.W CMM 55-40-00 REV.51 DATED APR 01/ 2024.
 TSN: UNKNOWN CSO: N/A CY TSO: N/A FH TSO: N/A DAYS
 NONE EASA/FAA AIRWORTHINESS DIRECTIVES APPLICABLE AT TIME OF REPAIR.

13a. Certifies that the items identified above were manufactured in conformity to:
 Approved design data and are in a condition for safe operation
 Non-approved design data specified in block 12

14a. Part-145.A.50 Release to Service Other regulation specified in Block 12
 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.

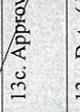
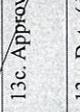
13b. Authorised Signature
 13c. Approval/ Authorisation Number
 13e. Date (dd mmm yyyy)

14b. Authorised Signature
 14c. Certificate/ Approval Ref. No.
 14d. Name
 14e. Date (dd mmm yyyy)



USER/INSTALLER RESPONSIBILITIES

This certificate does not automatically constitute authority to install the item(s).
 Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.
 Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

1. Approving Civil Aviation Authority/Country: FAA/United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 005048 / -1
4. Organization Name and Address: Skyways Technics Asia Sdn. Bhd. Lot 5 - 10, Ex-Customs Building, Helicopter Centre Malaysia International Aerospace Centre Sultan Abdul Aziz Shah Airport 47200 Subang, Selangor Darul Ehsan, Malaysia		5. Work Order/Contract/Invoice Number: 005048	
6. Item: 1	7. Description: TRIM TAB ASSY	8. Part Number: S5547900002800	9. Quantity: 1
		10. Serial Number: L/N 0701	11. Status/Work: REPAIRED
12. Remarks: PERFORM REPLACEMENT OF TAB HINGE BEARING IN REF. WITH WITH SRI: ES_00234914_01 ISSUE A. DATE APR 02/2024. PERFORMED PAINT I.A.W. SRM 51-21-27 REV.116 DATED. NOV 01/23. TAB BALANCING PERFORMED I.A.W CMM 55-40-00 REV.51 DATED APR 01/ 2024.			
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.			
13b. Authorized Signature: 	13c. Approval/Authorization No.: 	14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13d. Name (Typed or Printed): Zamzam Sagi	13e. Date (dd/mmm/yyyy): 12/Jul/2024	14c. Approval/Certificate No.: SKTY132E	14e. Date (dd/mmm/yyyy): 12/Jul/2024
User/Installer Responsibilities It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.			

SHOP TRAVELER

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Aircraft : Type : Removed Date : Airframe S/N : Airline :	W/O No.  (Repair/Service) 005048 P/N  S5547900002800 S/N  L/N 0701
In House/Internal W/O: Skyways Technics A/S	W/O Kind : [REP] REPAIR History Available

Cust P.O. :	P/N : S5547900002800	Trace to : VILLA AIR
Our Ref :	Desc : TRIM TAB ASSY	Tag Info :
	S/N : L/N 0701	MFG Lot : WO 003511
	MFG :	Manual : ATRNavX
	Qty : 1	Cond : AR
Completed P/N : S5547900002800	S/N As : L/N 0701	Revision :
Comp: 1	Div : 7	Depart : 2
W/O Date : jan-18-2024	Received Date : jan-18-2024	Due Date : jul-12-2024
	Cond As : REP	Priority : CRITICAL
		Into Bin Loc : [w/h]: ASIA [Loc]: AFLOOR
		Rcv Bin Loc : [w/h]: ASIA [Loc]: ASHOP

Reported By Customer

NIL
Preliminary Insp.
 PRELIMINARY FOUND P/N S5547900002800 AND S/N L/N0701 MATCH.

- FOUND
- 1.BALANCE WEIGHT MISSING.REQUIRE REPLACE.
 - 2.CORROSION AT STATIC BASE.QTY 2.REQUIRE REPLACE.
 - 3.STATIC DISCHARGER DAMAGE.QTY 2.REQUIRE REPLACE.
 - 4.BONDING LEAD DAMAGE.QTY 5.REQUIRE REPLACE.
 - 5.BAERING DAMAGE AND CORROSION.QTY 3.REQUIRE REPLACE.
 - 6.SCREW AND NUT CORROSION QTY 10.REQUIRE REPLACE.
 - 7.NUT MISSING AT BALANCE ARM.QTY 2.REQUIRE REPLACE.

ITEM TO REPLACE.

1.NTA11551-3NPTU .	WASHER	QTY6
2.NAS1291C3M .	NUT	QTY6
3.NTA11164-3K10 .	BOLT	QTY4
4.NAS1132-5 .	SCREW	QTY9
5.S5547901320400 .	WEIGHT-BALANCING	QTY1
6.S5547901320400 .	WEIGHT-BALANCING	QTY1
7.S5547901321200 .	WEIGHT-BALANCING	QTY2
8.S5547901321600 .	WEIGHT-BALANCING	QTY2
9.S5547901320200 .	WEIGHT-BALANCING	QTY1
10.S5547901320600 .	WEIGHT-BALANCING	QTY2
11.S5547901321400 .	WEIGHT-BALANCING	QTY2
12.S5547901321400 .	WEIGHT-BALANCING	QTY2
13.S5547901320000 .	WEIGHT	QTY1

SHOP TRAVELER

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Opr Seq	W.C	[Operation Number] Operation Description	Skill	Date/Hrs.	Qty Finished	Qty Rejected	Mech	Insp. By
14.NSA936014-10100 .		LEAD-BONDING		QTY5				
15.NAS1101-3-8 .		SCREW		QTY8				
16.ASNA2397-10L .		WASHER		QTY16				
17.ASNA2397JD10L .		WASHER		QTY8				
18.MS21042-3 .		NUT-SELF-LOCKING		QTY8				
19.E0284-01 ..		BASE-MOUNTING		QTY1				
20.S5547300020000 ..		PLATE		QTY1				
21.E0284-01 ..		BASE-MOUNTING		QTY1				
22.S5547900020400 ..		PLATE		QTY1				
23.NTA12350-3A3 .		RIVET		QTY8				
24.NTA14251-40 .		.BEARING-ROLLER		QTY3				
25.S55479000920000 ..		SLEEVE		QTY3				
26.E0285-02 ..		DISCHARGER-STATIC		QTY2				
27.MS35206-226 ..		SCREW		QTY2				
28.NTA11164-3K7 ..		BOLT		QTY2				
ADDITIONAL FASTENERS								
1. NTA12351-06K200		BOLTS		QTY 10 EA				
2. BACC30AB6		COLLAR		QTY 20 EA				
Hidden Damage								
NIL FINDING.								
Corrective Action								
PERFORM REPLACEMENT OF TAB HINGE BEARING IN REF. WITH WITH SRI: ES_00234914_01 ISSUE A. DATE APR 02/2024.								
SPARES INSTALLED IN REF. WITH CMM 55-40-00 REV.51 DATED APR 01/ 2024.								
PERFORMED PAINT I.A.W. SRM 51-21-27 REV.116 DATED. NOV 01/23.								
TAB BALANCING PERFORMED I.A.W CMM 55-40-00 REV.51 DATED APR 01/ 2024.								
Po (BALANCING MASS WEIGHT AT STATIC BALANCE) = 2.64KG								
Pb (FINAL BALANCING MASS WEIGHT) = 3.46KG								
Wo (SURFACE WEIGHT WITHOUT BALANCING WEIGHT, BEFORE BALANCING) = 10.10KG								
Wb (TOTAL BALANCED SURFACE WEIGHT) = 13.56KG								
Misc. Notes								
RELEASE CERTIFICATE REQUIRED : EASA FORM 1 AND FAA 8130-3								
<u>Manuals/Description/Chapter/Page No.</u>		<u>Location/Company/Agency</u>		<u>Manual Date</u>	<u>Revision No./Date</u>	<u>Current</u>	<u>Until</u>	
ATRNavX						<input checked="" type="checkbox"/>	jun-12-2024	
ATRNavX		ATR						
1,0000	COMP	[00] PRELIMINARY INSPECTION	MECH	19 / 01 / 24	1			 
Work Instructions								
00(A). List: PN S5547900002800 SN L/N 0701								

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Opr Seq	W.C	[Operation Number] Operation Description	Skill	Date/Hrs.	Qty Finished	Qty Rejected	Mech	Insp. By
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00(B). List the revision number & date of the CMMm 55-40-00:
 Rev: 51 Date: 01/04/24 (DD/MM/YY)

Findings: Refer Preliminary inspections.

2,0000	COMP	[01] DISASSEMBLY	MECH	/ / 28 05 24	1			<div style="border: 1px solid blue; padding: 2px; display: inline-block;">SWT 426</div>
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Work Instructions

- Refer to CMMm 55-40-00 page 301.
- A. Removal of the Weight Body.
 - B. Removal of the Spring Tab Jumpers.
 - C. Removal of the Spring Tab.
 - D. Disassembly of the Spring Tab Fittings.
 - E. Disassembly of the Rudder Afterward Attach Fittings.
 - F. Removal of the Spring Tab Static Dischargers.

3,0000	COMP	[02] CLEANING	MECH	/ / 12 06 24	1			<div style="border: 1px solid blue; padding: 2px; display: inline-block;">SWT 426</div>
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Work Instructions

Refer to CMMm 55-40-00 page 401.
CAUTION: LIQUID CLEANING AGENTS OR COMPRESSED AIR MUST NOT BE USED AS THIS MAY LEAD TO A LACK OF LUBRICATION CAUSING BEARING DAMAGE.

- A. Clean and degrease all the parts with dry cleaning solvent MAT 11-002.
- B. Dry the parts with dry and clean compressed air; wipe off the remaining dry-cleaning solvent MAT 11-002 with clean lint free cloth.
- C. Store the parts in a clean and dry place for the inspection and the future assembly.
- D. Clean the spherical bearings by removing all traces of dirt and grease.

4,0000	COMP	[03] CHECK	MECH	/ / 28 05 24	1			<div style="border: 1px solid blue; padding: 2px; display: inline-block;">SWT 426</div>
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Work Instructions

- A. Visual Inspection.
 - Identification plate of the rudder spring tab.
 - Verification that the reason of removal / defect matches the physical condition of the component.
 - Static Discharger.
 - Bonding jumpers on each spring tab fittings.
 - Spring tab balance weight support, balance weights and associated fairings S55479000.
- B. Check of the Rudder Tab Condition.
 - o Check for corrosion on the junction fittings on the rudder.
 - o Check condition of junction fitting bearings.
 - o Check that the spring trim tab moves smoothly (no friction or hard point).

IMPORTANT NOTE: Balancing of the rudder spring tab is necessary in case of change of the rudder livery.

NOTES: Record findings in Hidden Damage section

5,0000	COMP	[04] REPAIR	MECH	/ / 20 06 24	1			<div style="border: 1px solid blue; padding: 2px; display: inline-block;">SWT 426</div>
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Work Instructions

NON-ROUTINE
 Applicable reference(s):

Structural Repair Instruction Yes, Doc #: ES_00234914_01 ISSUE A. DATE APR 02/ 2024

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Opr Seq	W.C	[Operation Number] Operation Description	Skill	Date/Hrs.	Qty Finished	Qty Rejected	Mech	Insp. By
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Service Bulletin Yes, Doc #: _____ No
 Airworthiness Directive Yes, Doc #: _____ No
 Other(s) Yes, Doc #: _____ No

Refer to the checked references without deviation if yes to any of the above.
 Otherwise, proceed as follow.

ROUTINE

Refer to CMMm 55-40-00 page 601.

Discard any defective parts.

NOTE: Mark with YES(Y) or NO(N) if any of the following sequences were performed.

A. Replacement of the Shouldered Bush Installed with the Loctite.
 Performed replacement of the shouldered bush installed with the Loctite. Y/N: N

B. Replacement of the Bearing.

WARNING: SOLVENT MAT 11-003A IS DANGEROUS. AVOID INHALING FUMES. USE IN A WELL VENTILATED AREA ONLY. SOLVENT MAT 11-003A IS HIGHLY FLAMMABLE. SOLVENT MAT 11-003A IS A SKIN IRRITANT. WEAR PROTECTIVE GLOVES OR USE A BARRIER CREAM. WASH IMMEDIATELY WITH CLEAN WATER IF SKIN IS SPLASHED WITH SOLVENT MAT 11-003A.

CAUTION: MAKE SURE THAT NO ADHESIVE COMPOUND MAT 08-024 CAN PENETRATE INSIDE THE BEARING AND CAUSE DAMAGES.
 Performed replacement of the bearing. Y/N: Y

C. Protective Treatment.

WARNING: THE RUDDER BEARING BRACKETS ARE SUBJECTED TO CHROMIC ACID ANODIZING PRIOR TO PAINTING AND INSTALLATION. IN THE EVENT OF DAMAGE PENETRATING THE SURFACE PROTECTION, PRETREATMENT CHEMICAL CONVERSION COATINGS YELLOW ALUMINIUM MAT 13-002 MUST BE APPLIED BEFORE FURTHER PAINT TREATMENT, Refer to SRM 51-21-17.

NOTE: The use of wash primer is important, both as a neutralizer and a base for the subsequent finish.

Performed protective treatment. Y/N: Y

6,0000	COMP	[05] ASSEMBLY	MECH	09 / 07 / 24	1			<i>[Signature]</i> <i>[Signature]</i>
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Work Instructions

Refer to CMMm 55-40-00 page 701.

A. Installation of the Rudder Static Dischargers.
 NOTE: Check that mating surfaces are bare and clean.

B. Assembly of the Spring Tab Fittings.
 C. Installation of the Spring Tab Static Dischargers.

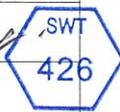
NOTE: Check that mating surfaces are bare and clean.

D. Installation of the Spring Tab.

7,0000	PAINT	[06] REPAIR - PAINT	MECH	25 / 06 / 24	1			<i>[Signature]</i> <i>[Signature]</i>
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Work Instructions

Refer to CMM 55-40-00's instruction.



SHOP TRAVELER				W/O No. 005048 / Page : 5 of 5				
Opr Seq	W.C	[Operation Number] Operation Description	Skill	Date/Hrs.	Qty Finished	Qty Rejected	Mech	Insp. By
A. Surface Repair and Painting Performed surface repair and painting NOTES: Record Action in Corrective Action section								
8,0000	SHEET	[07] BALANCING	MECH	09 / 07 / 24	1			SWT 426
Work Instructions Refer to CMM 55-40-00 101's instruction. Perform balancing of rudder tab. NOTES: Record Action in Corrective Action section								
9,0000	COMP	[08] FINAL INSPECTION ON UNI	MECH	11 / 07 / 24				SWT 407
Work Instructions NOTE: Mark with YES(Y) or NO(N) if performed FINAL INSPECTION OF THE UNIT AND DOCUMENTS. Check for any ADs for the part/component before release to service / ARC. The applicable homepages for the Authority the part/component is released under, must be visited to assure this. ADs issued. Y/N: N Create and issue documentation on completed work. Check the following as applicable: 1. <input checked="" type="checkbox"/> EASA F1 2. <input checked="" type="checkbox"/> Other(s), Doc : FAA 8130-3 Paperwork issued. Y/N: Y Note: After the completion of the maintenance, a general verification to ensure that the part/component is clear of all tools, equipment and any extraneous parts or material.								
10,0000		Outside Services_BUSHIN		N/A			N/A	SWT 426
11,0000		Outside Services		N/A			N/A	SWT 426