

1. Approving Civil Aviation
Authority / Country:
FAA / UNITED STATES

2. **AUTHORIZED RELEASE CERTIFICATE**
FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:
0000000000010399381
Page 1 of 1

4. Organization Name and Address:

Hamilton Sundstrand Customer Support Centre (M) Sdn. Bhd.
No. 9 Lengkok Keluli 2
Bukit Raja Industrial Estate
41050 Klang, Selangor Darul Ehsan, Malaysia.
Facility's certificate number: H3UY075N

5. Work Order/Contract/Invoice Number:
45320795
R404685

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
01	ALTERNATE VENTILATION SYS ACTUATOR	7010073H04	1	HSC235525	REPAIRED

12. Remarks:
REPAIRED, TESTED & INSPECTED
in accordance with CMM: 21-52-67 Revision: 9 Rev. Date: 12.08.2019.
CSN:UNKNOWN,TSN:UNKNOWN,CSO:UNKNOWN,CSR:0,TSO:UNKNOWN,TSR:0.00

13a. Certifies 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. ☒ 14 CFR 43.9 Return 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 Title 14, Code of Federal Regulations, Part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:	13c. Approval / Authorization No.:	14b. Authorized Signature:	14c. Approval / Certificate No.:
		 H.S.M. 33	H3UY075N
13d. Name (Typed or Printed):	13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed): AHMAD YUSAIRIE BIN OMAR	14e. Date (dd/mm/yyyy): 06 JUL 2023

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.

EASA

1. Approving Competent Authority/Country

2. **AUTHORISED RELEASE CERTIFICATE**

3. Form Tracking Number

0000000000010399372

Page 1 of 1

EASA FORM 1

4. Organisation Name and Address:

Hamilton Sundstrand Customer Support Centre (M) Sdn. Bhd.
No. 9 Lengkok Keilui 2
Bukit Raja Industrial Estate
41050 Klang, Selangor Darul Ehsan
Malaysia.

5. Work Order/Contract/Invoice

45320795
R404685

6. Item

8. Part No.

9. Qty.

10. Serial No.

11. Status/Work

01

ALTERNATE VENTILATION SYS
ACTUATOR

1

HSC235525

REPAIRED

12. Remarks

REPAIRED , TESTED & INSPECTED
in accordance with CMM: 21-52-67 Revision: 9 Rev. Date: 12.08.2019.
CSN:UNKNOWN,TSN:UNKNOWN,CSO:UNKNOWN,CSR:0,TSO:UNKNOWN,TSR:0.00

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

14b. Authorised Signature

14c. Certificate / Approval Ref. No.

EASA.145.0313

13d. Name

13e. Date (dd mmm yyyy)

14d. Name

AHMAD YUSAIREE BIN OMAR

14e. Date (dd mmm yyyy)

06 JUL 2023

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 CAAS/SINGAPORE	2. AUTHORISED RELEASE CERTIFICATE FORM CAAS (AW) 95	3. Form Tracking Number 00000000000010399373
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4. Approved Organisation Name and Address Hamilton Sundstrand Customer Support Centre (M) Sdn. Bhd. No. 9 Lengkok Keluji 2 Bukit Raja Industrial Estate 41050 Klang, Selangor Darul Ehsan Malaysia.	5. Work Order/Contract/Invoice 45320795 R404685
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6. Item	7. Description	8. Part No.	9. Quantity	10. Serial/Batch No.	11. Status/Work
01	ALTERNATE VENTILATION SYS ACTUATOR	7010073H04	1	HSC235525	REPAIRED

12. Remarks
REPAIRED , TESTED & INSPECTED
in accordance with CMM: 21-52-67 Revision: 9 Rev. Date: 12.08.2019.
CSN:UNKNOWN,TSN:UNKNOWN,CSO:UNKNOWN,CSR:0,TSO:UNKNOWN,TSR:0.00

13a. NEW PARTS:	14a. USED PARTS
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Certifies that the items identified above were manufactured in conformity to: ☐ Approved design data and are in condition for safe operation ☐ Non-approved design data specified in Block 12	Certifies that the items identified in Block 11 and described in Block 12, was accomplished in accordance with SAR-145 and the Air Navigation Order and in respect to that work the items are considered ready for release to service. ☒ SAR-145.50 Release to Service ☐ Other regulation specified in Block 12
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13b. Authorised Signature	13c. CAAS Approval No.	14b. Authorised Signature  	14c. CAAS Approval No. AWI/147
13d. Name	13e. Date (dd/mm/yyyy)	14d. Name AHMAD YUSAIRIE BIN OMAR	14e. Date (dd/mm/yyyy) 06 JUL, 2023

1. Approving Competent Authority/Country

AUTHORISED RELEASE CERTIFICATE

3. Form Tracking Number
000000000001039377

CAA/UK

CAA FORM 1

4. Organisation Name and Address:

Hamilton Sundstrand Customer Support Centre (M) Sdn. Bhd.
No. 9 Lengkok Keluli 2
Bukit Raja Industrial Estate
41050 Klang, Selangor Darul Ehsan
Malaysia.

5. Work Order/Contract/Invoice

45320795
R404685

6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work
01	ALTERNATE VENTILATION SYS ACTUATOR	7010073H04	1	HSC235525	REPAIRED

12. Remarks
REPAIRED , TESTED & INSPECTED
in accordance with CMM: 21-52-67 Revision: 9 Rev. Date: 12.08.2019
CSN:UNKNOWN.TSN:UNKNOWN.CSR:0.TSO:UNKNOWN.TSR:0.00

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	14b. Authorised Signature	14c. Certificate / Approval Ref. No.
			UK.145.01597
13d. Name	13e. Date (dd mmm yyyy)	14d. Name	14e. Date (dd mmm yyyy)
		AHMAD YUSAIREE BIN OMAR	06 JUL 2023

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 Autorité de l'aviation civile/Pays qui approuve le bon de sortie			2. AUTHORIZED RELEASE CERTIFICATE/ BON DE SORTIE AUTORISÉE FORM ONE			3. Form Tracking Number: Numéro de suivi du formulaire 0000000000010399375 Page 1 of 1		
4. Organization Name and Address/ Nom et adresse de l'organisme Hamilton Sundstrand Customer Support Centre (M) Sdn. Bhd. No. 9 Lengkok Keluli 2 Bukit Raja Industrial Estate 41050 Klang, Selangor Darul Ehsan Malaysia.						5. Work Order/Contract/Invoice/ Bon de travail/Contrat/Facture 45320795 R404685		
6. Item: Article	7. Description:	8. Part No. Numéro de pièce	9. Qty/ Qté	10. Serial/Batch No No de série/de lot	11. Status/Work/ Situation/travail			
01	ALTERNATE VENTILATION SYS ACTUATOR	7010073H04	1	SN:HSC235525	REPAIRED			
12. Remarks/Remarques REPAIRED , TESTED & INSPECTED in accordance with CMM: 21-52-67 Revision: 9 Rev. Date: 12.08.2019. CSN:UNKNOWN.TSN:UNKNOWN.CSO:UNKNOWN.CSR:0.TSO:UNKNOWN.TSR:0.00								
13a. Certifies that the items identified above were manufactured in conformity to: Le présent bon certifie que les articles indiqués ci-dessus ont été construits conformément à: ☐ Approved design data and are in a condition for safe operation. Des données de conception approuvées et qu'ils peuvent être utilisés en toute sécurité. ☐ Non-approved design data specified in block 12. Des données de conception non approuvées indiquées à la case 12.			14a. ☒ CAR 571.10 Maintenance release RAC 571.10 Certification après Maintenance ☐ Other regulations specified in block 12. Autre réglementation précisée à la case 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations. Le présent bon de sortie certifie que, sauf indication contraire à la case 12, le travail indiqué à la case 11 et décrit à la case 12 a été effectué conformément au Règlement de l'aviation canadien					
13b. Signature/ Signature	13c. Approved Organization Number/ No de l'organisme agréé	14b. Signature/ Signature  			14c. Approved Organization Number/ No de l'organisme agréé 9915-01			
13d. Name/ Nom	13e. Date (dd/mm/yyyy)	14d. Name/ Nom AHMAD YUSAIRIE BIN OMAR			14e. Date (dd/mm/yyyy) 06 JUL, 2023			
(Previously form 24-0078)								
Important: See Notes								

Installer Responsibilities

1. This certificate does not constitute authority to install.
2. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.
3. 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.

Responsabilités de monteur

1. Le présent bon de sortie ne constitue pas une autorisation de montage.
2. Le monteur qui travaille conformément à la réglementation d'un pays autre que celui spécifié à la case 1 doit s'assurer que la réglementation en question reconnaît la certification du pays ainsi spécifiée.
3. Les déclarations des cases 13a et 14a ne constituent pas une certification de montage. Dans tous les cas, le dossier technique de l'aéronef doit inclure une certification de montage délivrée conformément à la réglementation nationale qui s'applique, avant que l'aéronef puisse voler.

TEARDOWN REPORT

Customer AJ WALTER AVIATION		Cust PO	R404685
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Input Part	7010073H04	Input Serial	HSC235525	Qty	1.000
Output Part	7010073H04	Output Serial	HSC235525	Workscope	REPAIR
Cust Part		Cust Serial	HSC235525	Status/Work	REPAIRED
Description	ALTERNATE VENTILATION SYS	Removal Code	IRAN	Failure Date	
Aircraft	B787	Engine Type	ACS SDE Other		
Incoming NSN	N/A	Outgoing NSN	N/A	Tail No	ER-00002
Date Rec'd	18.01.2023	Quote Date	02.02.2023	Accept Date	21.03.2023
Ship Date		DOM			
Sales Order	120401298	Work Order	45320795	Notification	305020110

Measuring Point:

Serial #	CSN	TSN	CSO	CSR	TSO	TSR	TSI	CSI		
OUT	HSC235525	UNKNOWN	UNKNOWN	UNKNOWN	0	UNKNOWN	0.00	UNKNOWN	UNKNOWN	

Technical Documents :
CMM: 21-52-67 ATA #: 21 Revision: 9 Rev. Date: 12.08.2019

Configuration IN	NIL
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Configuration OUT	NIL
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Customer Reason for Return	FAILED TEST
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Conditions	1CAP, U/DIRTY
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Sales Order Instruction	TEST & REPAIR AS REQUIRED. SUBMIT QUOTE/TDR. ** NO PMA AND DER REPAIRS UNLESS AUTHORIZED/APPROVED **
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Certification Type	FAA, EASA, TCCA, CAAS, CAA UK
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TEARDOWN REPORT



Work Order	45320795	Description	ALTERNATE VENTILATION SYS ACTUATOR	Date Rec'd	18.01.2023
Input Part	7010073H04	Input Serial	HSC235525		
Cust Part		Cust Serial	HSC235525		

FAA, EASA, TCCA, CAAS, CAA UK

Preliminary Inspection

AS RECEIVED INSPECTION:
- ELECT CONNECTOR CAPPED & OUTPUT ROD EXTENDED.
- FIELD CONTAMINATION & HANDLING STAINS ON OUTER SURFACE.
- ACTUATOR HAD NO MOD EMBODIMENT INDICATION OR MARKINGS.
- LOCKWIRE TO LOCKING-DEVICE(BODY) (630) MISSING

AS-RECEIVED TEST:
- OPERATING TRAVEL TEST FAILED.
- POSITION ACCURACY TEST FAILED.
- PROOF LOAD TEST FAILED.

PRIMARY FINDING:
- MOTOR FOUND CORRODED.
- PCB ASSY DEFECTIVE.

OTHER FINDINGS:
- NONE.

REQUEST/RECOMMENDATION:
- REPAIR W/SCOPE TO BE C/OUT IAW CMM & ASSOCIATED AI.
- EXPENDABLES AND DEFECTIVE PARTS WILL BE REPLACED.

Work Performed

- ALL THE DEFECTIVE & EXPENDABLE PARTS REPLACED.
- UNIT REPAIRED , TESTED & INSPECTED IAW CMM WITH ASSOCIATED AI.

Customer Quote

Components :					
Order	Material	Description	Req Qty	Issued	Reason Code
45320795	NAS1611-157A	PACKING	1 EA	1 EA	EXPANDABLE
45320795	7010068-114	WASHER,TAB M12	1 EA	1 EA	EXPANDABLE
45320795	NAS1611-155A	PACKING	1 EA	1 EA	EXPANDABLE
45320795	7010073-117	AVS MOTOR CONTROL BOARD	1 EA	1 EA	DEFECTIVE
45320795	NAS1611-029A	PACKING	1 EA	1 EA	EXPANDABLE
45320795	7010104-110	LABEL,SMALL	1 EA	1 EA	IDENTIFICATION
45320795	7010073-131	MOTOR ASSY	1 EA	1 EA	CORRODED
45320795	MS20995C28	STAINLESS STEEL LOCK WIRE	20 EA	20 EA	EXPANDABLE
NVAL					STOR Loc

Hamilton Sundstrand
Customer Support Centre (M) Sdn Bhd
No. 9 Lengkuu Keluli 2
41050 KLANG, SELANGOR, MALAYSIA

TEARDOWN REPORT



Work Order	45320795	Description	ALTERNATE VENTILATION SYS ACTUATOR	Date Rec'd	18.01.2023
Input Part	7010073H04	Input Serial	HSC235525		
Cust Part		Cust Serial	HSC235525		

Author : Signature:  Date: 6 Jul 2023 Print name : AHMAD YUSAIRIE BIN OMAR	Authorized Approval : Signature:  Date: 6 Jul 2023 Print name : AHMAD YUSAIRIE BIN OMAR
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COMMERCIAL INVOICE

Hamilton Sundstrand
Customer Support Centre (M) Sdn Bhd
No. 9 Lengkok Keluli 2
Bukit Raja Industrial Estate
41050 Klang, Selangor Darul Ehsan, Malaysia

10680926

Shipment/Commercial Invoice #
07-JUL-2023



UTC Aerospace Systems

Ship To 1624 A J WALTER AVIATION LTD THE HEADQUARTERS MAYDWELL AVENUE WEST SUSSEX SLINFOLD RH13 0AS UNITED KINGDOM		Sold To 1624 A J WALTER AVIATION THE HEADQUARTERS MAYDWELL AVENUE SLINFOLD West Sussex RH13 0AS UNITED KINGDOM		Freight Forwarder	
Waybill #		Intermediate Consignee		Ultimate Consignee/End User	
Incoterms EXW Bukit Raja					
Carrier MYFEDX		Package Qty 1		Export Reg.No.	
Payment Terms Net 30 Days					

Package ID #: 1023015703			Dimensions: 48x29x25 CM			Gross Weight: 4.000 KG		
Line 10	Material 7010073H04 Customer Material Description ALTERNATE VENTILATIO N SYS ACTUATOR	Export Control #: ECL99 License: NLR H.S. Code: 8501109900	Qty 1	UoM EA	Unit Value 13887.43	Ext Value 13887.43	CoO GB	Delivery #: 33871617 Customer PO/Item #: R404685/1 Sales Order/Item #: 120401298/1110 Serial # HSC235525

SHIP VIA FEDEX INTERNATIONAL PRIORITY ACCT# 124277507		TOTAL Value: USD 13887.43	
Hazardous Materials Warning: Before you work with any component, assembly or product referred to in this document, read, understand and obey all safety instructions and take all appropriate safety precautions. These instructions include instructions from the manufacturer, the material safety letters, all operators letters and government regulations. An MSDS gives instructions on how you must safely use, keep and discard chemicals. Chemicals may cause injuries to you or make you sick. Personal injury or disease may result if safety instructions are not obeyed.		All values are for customs purposes only.	
Signature:  Name: Mohamad Norazmi			

UTC Aerospace Systems

Transportation Details

Carrier: MYFEDX
Waybill #:
Incoterms: EXW Bukit Raja
Payment Terms: Net 30 Days

Shipment #

10680926

^a(barcode code39,9.8.0.25.add_start_stop)10560926'(barcode-

R404685 / 000001

120401298 / 1110

EA

Serial numbers: HSC235525

Export License#NLR

Serial numbers: HSC235525

Ship Date: 07-JUL-2023