

1. Approving Civil Aviation Authority / Country: FAA / UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG	
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		3. Form Tracking Number: 0000000000008509944 Page 1 of 1	
6. Item: 7. Description:		5. Work Order/Contract/Invoice Number: 44206669 47121400	
01	ALTERNATE VENTILATION SYS ACTUATOR	8. Part Number: 7010073H04	9. Quantity: 1
		10. Serial Number: HSC235604	11. Status/Work: REPAIRED
12. Remarks: REPAIRED, TESTED AND INSPECTED in accordance with CMM: 21-52-67 Revision: 9 Rev. Date: 12.08.2019. CSN:0,TSN:0.00,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.			
13b. Authorized Signature:		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.	
13c. Approval / Authorization No.:		14b. Authorized Signature:  	
13d. Name (Typed or Printed):		14c. Approval / Certificate No.: H3UY075N	
13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed): MOHD HANIF HAMDAN	
		14e. Date (dd/mm/yyyy): 07 MAY 2021	
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.			

1. Approving Competent Authority/Country		2. EASA		3. Form Tracking Number		Page 1 of 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 44206669 47121400			
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work		
01	ALTERNATE VENTILATION SYS ACTUATOR	7010073H04	1	HSC235604	REPAIRED		
12. Remarks REPAIRED, TESTED AND INSPECTED in accordance with CMM: 21-52-67 Revision: 9 Rev. Date: 12.08.2019. CSN:0.TSN:0.00.GSO: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							
13b. Authorised Signature		13c. Approval / Authorisation Number		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 that work the items are considered ready for release to service.			
13d. Name		13e. Date (dd mmm yyyy)		14b. Authorised Signature  14c. Certificate / Approval Ref. No. EASA.145.0313			
14d. Name		14e. Date (dd mmm yyyy)		14f. Date (dd mmm yyyy) 07 MAY 2021			
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.							
EASA Form 1-MF/CAO/145 Issue 3							

1. 国家 Country 中国 CHINA	2. 中国民用航空总局 CAAC ☐ 符合性Conformity ☒ 适航性 Airworthiness 批准放行证书/适航批准标签 AUTHORIZED RELEASE CERTIFICATE/AIRWORTHINESS APPROVAL TAG	3. 证书编号 Certificate Ref. No. 000000000000008509953
4. 单位 Organization Hamilton Sundstrand CSC (M) Sdn Bhd No. 9 Lengkok Keluli 2 Bukit Raja Industrial Estate 41050 Klang, Selangor Darul Ehsan Malaysia.		
6. 序号 Item 01	7. 内容 Description ALTERNATE VENTILATION SYS ACTUATOR	8. 件号 Part No. 7010073H04
9. 适用性 Eligibility *	10. 数量 Qty 1	11. 系列号/批号 Serial/ Batch No. HSC235604
12. 产品状态 Status/Work	REPAIRED	
13. 备注 Remarks REPAIRED, TESTED AND INSPECTED in accordance with CMM: 21-52-67 Revision: 9 Rev. Date: 12.08.2019. CSN:0, TSN:0.00, CSO: UNKNOWN, CSR:0, TSO: UNKNOWN, TSR:0.00		
14. 新产品 New Parts 兹声明上述产品除第13项的其它规定以外, 已按照上述国家适航条例进行制造/检查, 并且该产品 (出口产品) 符合经批准的型号设计资料和进口国提出的专用要求。 Certifies that the part(s) identified above except as otherwise specified in block 13 was (were) manufactured/inspected in accordance with the airworthiness regulations of the stated country and/or in the case of parts to be exported with the approved design data and with the notified special requirements of the importing country.		
15. 使用过的产品 Used Parts 兹声明上述产品除第13项的其它规定以外, 已按照上述国家适航条例和进口国通知的特殊要求进行了工作, 该产品处于安全可用状态可以批准放行使用。 Certifies that the work specified above except as specified in block 13 was carried out in accordance with the airworthiness regulations of the stated country and the notified special requirements of the importing country and in respect to that work, the part(s) is (are) in condition for safe operation and considered ready for release to service. (over)	19. 中国民航总局授权 Issued by or on behalf of the CAAC	
16. 批准人签名 Signature 	18. 批准日期 Date 07/MAY/2021	
17. 批准人姓名 (打印的) Name (Printed) MOHD HANIF HAMDAN		F06000294

1. Country Malaysia		2. Department of Civil Aviation Malaysia		3. Form Tracking Number 0000000000008509956 Page 1 of 1	
4. Approved Organisation Name and Address: Hamilton Sundstrand Customer Support Centre (M) Sdn. Bhd. No. 9 Lengkok Keilul 2 Bukit Raja Industrial Estate 41050 Klang, Selangor Darul Ehsan Malaysia.				5. Work Order/Contract/Invoice 44206669 47121400	
6. Item	7. Description	8. Part No.	9. Eligibility	10. Qty.	11. Serial/Batch No.
01	ALTERNATE VENTILATION SYS ACTUATOR	7010073H04	UNKNOWN	1	HSC235604
12. Status/Work REPAIRED					
13. Remarks REPAIRED, TESTED AND INSPECTED in accordance with CMM: 21-52-67 Revision: 9 Rev. Date: 12.08.2019. CSN:0,TSN:0.00,CSO:UNKNOWN,CSR:0,TSO:UNKNOWN,TSR:0.00					
14. 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 13					
15. Authorised Signature			19. ☒ MCAR Reg.30;Release to Service ☐ Other regulation specified in block 13 Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in block 13, was accomplished in accordance with DCA Malaysia Requirements and in respect to that work the items are considered ready for release to service.		
16. Approval / Authorisation Number			20. Authorised Signature 		
17. Name			21. Certificate / Approval Ref No. AMO/2016/17		
18. Date (dd/mm/yy)			22. Name: MOHD HANIF HAMDAN 		
23. Date (dd/mm/yy) 07/MAY/2021					

TEARDOWN REPORT



UTC Aerospace Systems

Customer SR TECHNICS SWITZERLAND LTD		Cust PO 47121400	
Input Part 7010073H04	Input Serial HSC235604	Qty 1.000	
Output Part 7010073H04	Output Serial HSC235604	Workscope REPAIR	
Cust Part	Cust Serial HSC235604	Status/Work REPAIRED	
Description ALTERNATE VENTILATION SYS	Removal Code IRAN	Failure Date	
Aircraft B787	Engine Type 787 MECHANICAL/ELECTRICAL/AMS		
Incoming NSN N/A	Outgoing NSN N/A	Tail No	
Date Rec'd 08.03.2021	Quote Date 11.03.2021	Accept Date 12.04.2021	
Ship Date	DOM		
Sales Order 8359745	Work Order 44206669	Notification 304166575	

Measuring Point:											
	Serial #	CSN	TSN	CSO	CSR	TSO	TSR	TSI	CSI		
OUT	HSC235604	0	0.00	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
Configuration OUT	NIL
Customer Reason for Return	SENDING FOR TEST AND/OR REPAIR IN ACCORDANCE WITH THE APPLICABLE CMM OR OEM DRAWINGS ICL. RECERTIFICATION AND SHOP REPORT.
Conditions	1 BLK & U/DIRTY
Sales Order Instruction	TEST & REPAIR AS REQUIRED. SUBMIT QUOTE/TDR. ** NO PMA AND DER REPAIRS UNLESS AUTHORIZED/APPROVED ** REQUESTED DELIVERY DATE: 31 MAR 2021
Certification Type	

TEARDOWN REPORT



UTC Aerospace Systems

Work Order	44206669	Description	ALTERNATE VENTILATION SYS ACTUATOR	Date Rec'd	08.03.2021
Input Part	7010073H04	Input Serial	HSC235604		
Cust Part		Cust Serial	HSC235604		

FAA, EASA, CAAC, CAAM

Preliminary Inspection

UNIT RECEIVED WITH FOLLOWING FINDINGS:

AS RECEIVED INSPECTION:

- ELECTRICAL CONNECTOR CAPPED.
- UNIT RECEIVED IN FULLY RETRACTED POSITION.
- FIELD CONTAMINATION AND HANDLING STAINS ON ACTUATOR BODY.
- SEALANT RESIDUE OBSERVED ON POINT 'B' BONDING TERMINAL.

AS RECEIVED TEST:

- EMC AND LIGHTNING PROTECTION COMPONENTS TEST FAILED.
- ELECTRICAL TEST FAILED. FURTHER OPERATIONAL TEST ABORTED IAW CMM.

PRIMARY FINDINGS:

- MOTOR ASSY CORRODED.
- AVS MOTOR CONTROL BOARD DEFECTIVE.

SECONDARY FINDINGS:

- NONE.

REQUEST/RECOMMENDATION:

- REPAIR WORKSCOPE TO BE CARRIED OUT IAW CMM AND ASSOCIATED ACTION ITEM.
- MOD A913 TO BE INCORPORATED ON UNIT.
- DEFECTIVE AND EXPENDABLE PARTS TO BE REPLACED AS QUOTED.

INCOMING P/N: 7010073H04

OUTGOING P/N: 7010073H04

Work Performed

UNIT REPAIRED, TESTED AND INSPECTED IAW CMM AND ASSOCIATED ACTION ITEM.

STORAGE AND PRESERVATION C/OUT IAW CMM.

Components :						
Order	Material	Description	Req Qty	Issued	Reason Code	Stor Loc
44206669	NAS1611-157A	PACKING	1	1	EXPENDABLE	NSTD
44206669	7010068-114	WASHER,TAB M12	1	1	EXPENDABLE	NVAL
44206669	7010104-110	LABEL,SMALL	1	1	MOD A913 LABEL	NVAL
44206669	NAS1611-155A	PACKING	1	1	EXPENDABLE	NSTD
44206669	7010073-117	AVS MOTOR CONTROL BOARD	1	1	DEFECTIVE	NVAL

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

TEARDOWN REPORT



UTC Aerospace Systems

Work Order 44206669	Description ALTERNATE VENTILATION SYS ACTUATOR	Date Rec'd 08.03.2021
Input Part 7010073H04	Input Serial HSC235604	
Cust Part	Cust Serial HSC235604	

44206669	NAS1611-029A	PACKING	1	1	EXPENDABLE	NSTD
44206669	7010073-131	MOTOR ASSY	1	1	CORRODED	NVAL

Author :
Print name :
Signature:
Date:

MOHD HANIF HAMDAN

07 MAY 2021

Authorized Approval :

Print name :

Signature:

Date:

MOHD HANIF HAMDAN

07 MAY 2021

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Page 3 of 3