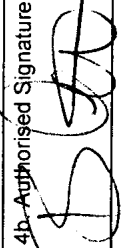
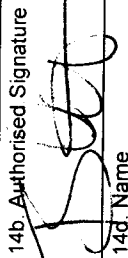


1. Approving Competent Authority / Country: CAA / UK		2. AUTHORIZED RELEASE CERTIFICATE CAA FORM 1		3. Form Tracking Number. UK-17904	
4. Organisation Name and Address  Gas Turbine Solutions Limited Unit 1, 2A Kyle Road, Irvine Industrial Estate Irvine, KA12 8JF, Scotland, UK		5. Work Order / Contract / Invoice Work Order No: W220466 Customer Order No: T37648			
6. Item	7. Description	8. Part No	9. Qty	10. Serial No	11. Status/Work
1	HARNESS, FIRE DETECTOR CHANNEL B (	642W9820-503	1	81435703	REPAIRED
12. Remarks UNIT INSPECTED, TESTED AND REPAIRED IN ACCORDANCE WITH CMM 71-50-03 REV 54, DATED MAR 31, 2022. FULL DETAILS OF THE WORK PERFORMED ARE ON FILE UNDER THE WORK ORDER REFERENCED IN BLOCK 5. HARNESS TSO/CSO: 0 ESN 779481					
The work identified in Block 11 and described herein has been accomplished in accordance with 14 CFR part 43 and in respect to that work, the items are approved for return to service under certificate no. 6GUY330C					
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.					
14b. Authorised Signature 		14c. Certificate / Approval Ref. No. UK.145.01282		14e. Date (dd/mm/yyyy) 23/May/2022	
14d. Name BRIAN GAW		GTSMPRO			
CAA Form 1 - Issue 1					
USER/INSTALLER RESPONSIBILITIES This Certificate does not automatically constitute authority to install. 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 block(s) 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: EASA		2. AUTHORIZED RELEASE CERTIFICATE EASA FORM 1		3. Form Tracking Number: 17904	
4. Organisation Name and Address  Gas Turbine Solutions Limited Unit 1, 2A Kyle Road, Irvine Industrial Estate Irvine, KA12 8JF, Scotland, UK		Tel: +44 (0) 1294 446115 Fax: +44 (0) 1294 441611 Email: mro@gtsmro.com		5. Work Order / Contract / Invoice Work Order No: W220466 Customer Order No: T37648	
6. Item	7. Description	8. Part No	9. Qty	10. Serial No	11. Status/Work
1	HARNES, FIRE DETECTOR CHANNEL B (	642W9820-503	1	81435703	REPAIRED
12. Remarks UNIT INSPECTED, TESTED AND REPAIRED IN ACCORDANCE WITH CMM 71-50-03 REV 54, DATED MAR 31, 2022. FULL DETAILS OF THE WORK PERFORMED ARE ON FILE UNDER THE WORK ORDER REFERENCED IN BLOCK 5. HARNES TSO/CSO: 0 ESN 779481					
13a. Certifies the items identified above were manufactured in conformity with: ☐ 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 No.: UK 145.01282 13d. Name: BRIAN GAW 13e. Date (dd/mm/yyyy): 23/May/2022					

EASA Form 1 - MF/CAO/145 Issue 3

USER/INSTALLER RESPONSIBILITIES

This Certificate does not automatically constitute authority to install.

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 block(s) 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.



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Email: mro@gtsmro.com

Inspection Report

Work Order: **W220466**

Date Printed: 23 May 2022

Page: 1 of 1

Customer: AJ WALTER AVIATION LTD

Customer Ref: T37648

Attn: ROB HARRIS-DIBBEN

Email: robh@ajw-aviation.com

Entry Date: 09 May 2022

Complete Date: 23 May 2022

Under Warranty?: No

Description: HARNESS, FIRE DETECTOR CHANNEL B (FAN)

TSN:

CSN:

Part No: 642W9820-503

Qty: 1

Serial No: 81435703

TASK DESCRIPTION

STATUS

TECHNICAL MANUAL

COMPLETE

Carry out all tasks as per CMM 71-50-03 Revision 54. Confirm revision status.

VERIFICATION OF P/N & S/N

COMPLETE

Check the part number and serial number.

From main I.D.
P/N. 642W9820-503
S/N. 81435703

AS RECEIVED TEST

COMPLETE

Carry out as received test as per CMM 71-50-03, section TEST AND FAULT ISOLATION. Record test results. Record calibrated tooling.

- 1 Passed continuity test IAW Table 111. < 0.2 ohms.
- 2 Passed continuity test from connector to backshell. < 0.01 ohms.
- 3 Passed continuity test from connector to metallic overbraid. < 10 milliohms.
- 4 Passed Insulation resistance test at 500V DC. > 2G ohms.
- 5 Passed shorted wire test at 500V DC. > 5G ohms.
- 6 Passed contact retention check.

Tooling: T002, T035.

CLEAN

COMPLETE

Clean the harness as per CMM 71-50-03, section CLEANING.

INSPECT

COMPLETE

Carry out a visual examination as per CMM 71-50-03, section CHECK. Record all defects.

Defects;

- 1 DR25 badly damaged & has fluid Ingress along entire length of harness. Fit new parts iaw Repair 7.
- 2 Connector 4000WD2-A O ring missing. Fit new part IAW repair 7
- 3 Connector 4000WD2-A backshell plating damaged Fit new part IAW repair 7
- 4 Replace Idents & Instl markers IAW repair 4.

REPAIR

COMPLETE

Carry out any required repairs as per CMM 71-50-03, section REPAIR. Record the repairs carried out.

Defects;

- 1 DR25 badly damaged & has fluid Ingress along entire length of harness. Fit new parts iaw Repair 7.
- 2 Connector 4000WD2-A O ring missing. Fit new part IAW repair 7
- 3 Connector 4000WD2-A backshell plating damaged Fit new part IAW repair 7
- 4 Replace Idents & Instl markers IAW repair 4.

Rectification.

1. New parts fitted iaw Repair 7.
2. New parts fitted iaw Repair 7.
3. New parts fitted iaw Repair 7.
4. New parts fitted iaw Repair 4

Signature:



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Inspection Report

Work Order: **W220466**

Date Printed: 23 May 2022

Page: 2 of 2

Customer: AJ WALTER AVIATION LTD

Customer Ref: T37648

Attn: ROB HARRIS-DIBBEN

Email: robh@ajw-aviation.com

Entry Date: 09 May 2022

Complete Date: 23 May 2022

Under Warranty?: No

Description: HARNESS, FIRE DETECTOR CHANNEL B (FAN)

TSN:

CSN:

Part No: 642W9820-503

Qty: 1

Serial No: 81435703

T067.

FINAL TEST

COMPLETE

Carry out final test as per CMM 71-50-03, section TEST AND FAULT ISOLATION. Record test results. Record calibrated tooling.

1. Wire Continuity Test iaw table 111. PASS. < 0.3 ohms.
 2. Test of the resistance of the wire with the harness in motion iaw table 111. PASS. < 0.3 ohms.
 3. Test for continuity between the connector and the adjacent backshell. PASS. < 0.010 ohms
 4. Test for continuity from the front of the connector barrel to the tubular metal overbraid. PASS. < 0.010 ohms.
 5. Insulation Resistance Test at 500VDC. PASS. > 100G ohms.
 6. Shorted Wire Test at 500VDC. PASS. > 100G ohms.
- T056.T059

FINAL INSPECTION

COMPLETE

Carry out a final inspection including a general verification of the component.

Signature: