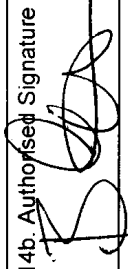
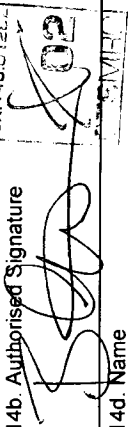


1. Approving Competent Authority / Country: EASA		2. AUTHORIZED RELEASE CERTIFICATE EASA FORM 1		3. Form Tracking Number: 18650	
4. Organisation Name and Address  Gas Turbine Solutions Limited Unit 1, 2A Kyle Road, Irvine Industrial Estate Irvine, KA12 8JF, Scotland, UK Tel: +44 (0) 1294 446115 Fax: +44 (0) 1294 441611 Email: mro@gtsmro.com				5. Work Order / Contract / Invoice Work Order No: W220789 Customer Order No: R398012	
6. Item	7. Description	8. Part No	9. Qty	10. Serial No	11. Status/Work
1	HARNESS, FIRE DETECTOR CHANNEL B (	642W9956-501	1	9590929	OVERHAULED
12. Remarks UNIT OVERHAULED 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 A/C REG: N220FR					
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved Design Data and a valid condition for safe operation. ☐ Approved Design Data and a valid condition for safe operation. ☐ Approved Design Data and a valid condition for safe operation.					
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. EASA.UK.145.01282		14e. Date (dd/mm/yyyy) 09/Aug/2022	
14d. Name BRIAN GAW					
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.					

1. Approving Competent Authority / Country: CAA / UK		2. AUTHORIZED RELEASE CERTIFICATE CAA FORM 1		3. Form Tracking Number. UK-18650	
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: W220789 Customer Order No: R398012			
6. Item	7. Description	8. Part No	9. Qty	10. Serial No	11. Status/Work
1	HARNESS, FIRE DETECTOR CHANNEL B (	642W9956-501	1	9590929	OVERHAULED
12. Remarks UNIT OVERHAULED 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 A/C REG: N220FR					
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		
14d. Name BRIAN GAW			14e. Date (dd/mm/yyyy) 09/Aug/2022		

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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Irvine, Ayrshire, KA12 8JF, Scotland, UK
Tel: +44 (0) 1294 446115
Fax: +44 (0) 1294 441611
Email: mro@gtsmro.com

Inspection Report

Work Order: **W220789**

Date Printed: 09 August 2022

Page: 1 of 1

Customer: AJ WALTER AVIATION LTD

Customer Ref: R398012

Attn: CHRIS BURCHELL

Email: chris.burchell@ajw-aviation.com

Entry Date: 22 July 2022

Complete Date: 09 August 2022

Under Warranty?: No

Description: HARNESS, FIRE DETECTOR CHANNEL B (CORE)

TSN:

CSN:

Part No: 642W9956-501

Qty: 1

Serial No: 9590929

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.

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.

No test carried out, fails initial general visual inspection.

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. Damage through all layers of outer braid.. Carry out repair iaw R1, R2, R15 & 20-99-01 R3.
2. Connector 454VC-A locking mechanism broken. fit new part IAW repair 15.

REPAIR

COMPLETE

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

DEFECTS:

1. Damage through all layers of outer braid.. Carry out repair iaw R1, R2, R15 & 20-99-01 R3.
2. Connector 454VC-A locking mechanism broken. fit new part IAW repair 15.

Rectifications:

1. New parts fitted IAW R1, R2, R15 & 20-99-01 R3.
2. New parts fitted IAW CMM Repair No 15

Tools; T007, T012, T068 and T114

FINAL TEST

COMPLETE

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

Wire Continuity Test IAW Table 118 - Pass - <0.020 Ohms (Within Manual Limits)
Ground Continuity Test - Pass - <0.002 Ohms (Within Manual Limits)
Continuity between Connector and Backshell - Pass - <0.003 Ohms (<0.010 Ohms Manual Limit)
Continuity between Connector and Overbraid - Pass - <0.003 Ohms (<0.010 Ohms Manual Limit)

Signature:



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Inspection Report

Work Order: **W220789**

Date Printed: 09 August 2022

Page: 2 of 2

Customer: AJ WALTER AVIATION LTD

Customer Ref: R398012

Attn: CHRIS BURCHELL

Email: chris.burchell@ajw-aviation.com

Entry Date: 22 July 2022

Complete Date: 09 August 2022

Under Warranty?: No

Description: HARNESS, FIRE DETECTOR CHANNEL B (CORE)

TSN:

CSN:

Part No: 642W9956-501

Qty: 1

Serial No: 9590929

*Insulation Resistance Test - Pass - >100 Gigohms (>20 Megohms Manual Limit)
Shorted Wire Test - Pass - >100 Gigohms (>20 Megohms Manual Limit)
Contact Retention Check - Pass*

Tools; T049 and T051

FINAL INSPECTION

COMPLETE

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

Signature: