

1 Approving Competent Authority / Country: EASA		2 AUTHORIZED RELEASE CERTIFICATE EASA FORM 1		3. Form Tracking Number: 23253	
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: W231204 Customer Order No: R415602	
6 Item	7. Description	8. Part No	9. Qty	10. Serial No	11. Status/Work
1	HARNESS, FIRE DETECTOR CHANNEL B (	642W9820-503	1	6901147	OVERHAULED
12 Remarks UNIT OVERHAULED IN ACCORDANCE WITH CMM 71-50-03 REV 56, DATED MAR 31, 2023 FULL DETAILS OF THE WORK PERFORMED ARE ON FILE UNDER THE WORK ORDER REFERENCED IN BLOCK 5 HARNESS TSO/CSO: 0 ACFT: 8Q-1AN					
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 ☒ 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 UK. 145.01282	
13d. Name	13e. Date (dd/mm/yyyy)	14d. Name BRIAN GAW		14e. Date (dd/mm/yyyy) 26/Sep/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 Competent Authority / Country CAA / UK		2 AUTHORIZED RELEASE CERTIFICATE CAA FORM 1		3. Form Tracking Number. UK-23253	
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: W231204 Customer Order No: R415602	
6 Item	7. Description	8 Part No	9 Qty	10 Serial No	11 Status/Work
1	HARNESS, FIRE DETECTOR CHANNEL B (	642W9820-503	1	6901147	OVERHAULED
12 Remarks UNIT OVERHAULED IN ACCORDANCE WITH CMM 71-50-03 REV 56, DATED MAR 31, 2023. FULL DETAILS OF THE WORK PERFORMED ARE ON FILE UNDER THE WORK ORDER REFERENCED IN BLOCK 5 HARNESS TSO/CSO. 0 ACFT: 8Q-1AN 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					
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. 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 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.	
13d. Name		13e. Date (dd/mm/yyyy)		14b. Authorised Signature  14c. Certificate / Approval Ref No UK 145.01282	
				14d. Name BRIAN GAW 14e. Date (dd/mm/yyyy) 26/Sep/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.					



Unit 1, 2A Kyle Road, Irvine Industrial Estate
Irvine, Ayrshire, KA12 8JF, Scotland, UK
Tel: +44 (0) 1294 446115
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Workshop Report

Work Order: **W231204**

Date Printed: 27 September 2023

Page: 1 of 1

Customer: AJ WALTER AVIATION LTD

Customer Ref: R415602

Attn:

Email:

Entry Date: 16 August 2023

Complete Date: 26 September 2023

Under Warranty?: No

Description: HARNESS, FIRE DETECTOR CHANNEL B (FAN)

TSN:

CSN:

Part No: 642W9820-503

Qty: 1

Serial No: 6901147

TASK DESCRIPTION

STATUS

TECHNICAL MANUAL

COMPLETE

Carry out all tasks as per CMM 71-50-03 Revision 56. 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.

Failed initial visual inspection - No tests carried out.

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 damaged at various positions along harness - Replace IAW Repair 7
2. Metal overbraid damaged Replace IAW Repair 14
3. 4000WD2-A connector & backshell coating damaged/worn - Replace IAW Repair 7
4. Identification markers to be replaced - Replace 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 damaged at various positions along harness - Replace IAW Repair 7
2. Metal overbraid damaged Replace IAW Repair 14
3. 4000WD2-A connector & backshell coating damaged/worn - Replace IAW Repair 7
4. Identification markers to be replaced - Replace IAW Repair 4

Rectification.

1. New parts fitted iaw Repair 7.
2. New parts fitted iaw Repair 14.
3. New parts fitted iaw Repair 7.
4. New parts fitted iaw Repair 4

Tools

T065, T053.

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.

Signature:



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Workshop Report

Work Order: **W231204**

Date Printed: 27 September 2023

Page: 2 of 2

Customer: AJ WALTER AVIATION LTD

Customer Ref: R415602

Attn:

Email:

Entry Date: 16 August 2023

Complete Date: 26 September 2023

Under Warranty?: No

Description: HARNESS, FIRE DETECTOR CHANNEL B (FAN)

TSN:

CSN:

Part No: 642W9820-503

Qty: 1

Serial No: 6901147

Tools:
T128, T129.

FINAL INSPECTION

COMPLETE

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

Signature:



Gas Turbine Solutions Limited
Unit 1, 2A Kyle Road, Irvine Industrial Estate
Irvine, Ayrshire, KA12 8JF, Scotland, UK
Tel: +44 (0) 1294 446115
Fax: +44 (0) 1294 441611
Email: sales@gtsmro.com

Packing Slip

Invoice No: I231023
Date: 27 September 2023
Page: 1 of 1

VAT / EORI GB 995 8196 43 000

To:	AWAL1
AJ WALTER AVIATION LTD THE HEADQUARTERS MAYDWELL AVENUE WEST SUSSEX RH13 0AS UNITED KINGDOM	
VAT:	
Customer Ref:	R415602
Buyer:	

Ship To:
AJ WALTER AVIATION LTD THE HEADQUARTERS MAYDWELL AVENUE WEST SUSSEX RH13 0AS UNITED KINGDOM
FOB: IRVINE
Ship Via: DHL UK
AWB: 7516749800

Thank you for your order.

All goods are supplied as per our standard terms and conditions.

Item	Part Number	Description	Qty	Condition
1	642W9820-503 Serial No 6901147	HARNESS, FIRE DETECTOR CHANNEL B (FAN)	1	OH
UNIT OVERHAULED IN ACCORDANCE WITH CMM 71-50-03 REV 56, DATED MAR 31, 2023. FULL DETAILS OF THE WORK PERFORMED ARE ON FILE UNDER THE WORK ORDER REFERENCED IN BLOCK 5.				
HARNESS TSO/CSO: 0				
ACFT: 8Q-1AN				
Weight: 2.00 KG				
No of Boxes: 1				