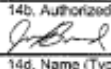


1. Approving Civil Aviation Authority/Country FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: KJC5A0001001001	
4. Organization Name and Address: Duncan Aviation/3701 Aviation Road/Lincoln, NE 68524 JGVR194F				5. Work Order/Contract/Invoice Number: KJC5A		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	RADAR RECEIVER UNIT	7021450-801	1	01012714	Repaired	
12. Remarks:						
<p>Discrepancy: None provided Evaluate and Repair as necessary.</p> <p>Preliminary findings: Magnetron cable badly worn, appears to have been arcing. Magnetron must be replaced. Also found aged power supply capacitors and intermittent switches. Unit needs software/modification updates and reliability reworks</p> <p>Corrective Actions: Disassembled, inspected, cleaned, repaired as necessary, complied with 7021450-34-6014 dated November 2002 (Mod M), 7021450-34-6016 dated December 2004 (Mod N), 7021450-34-6016 dated September 2006 (Mod P), 7021450-34-18 Revision 3 dated 12 Oct 2019 (Mod S), 7021450-34-19 Revision 3 dated July 2017 (Mod T), 7021450-34-0022 Revision 1 dated August 2013 (Mod U), 7021450-34-0024 Revision 1 dated 24 OCT 2018 (Mod V), 7021450-34-0021 dated November 2012 (Mod W), 7021450-34-0023 dated August 2013 (Mod Y) and reassembled. Altitude tested without failure. Function tested per HONEYWELL WU-331/WU-440/WU-660/WU-880 Receiver Transmitter Antenna - Volume 1 Component Maintenance Manual with Illustrated Parts Catalog, Revision 11, dated 04/07/2023.</p> <p>Duncan Aviation certifies that the work specified in Blocks 11 and 12 was performed IAW EASA part 145, and with respect to that work, the aircraft component is considered ready for release to service under EASA approval number EASA.145.4392. All EASA/FAA Airworthiness Directives are the responsibility of the installer. No current U.S. Airworthiness Directives apply. All EASA AD's have been researched, none apply.</p> <p>Technician: Dean Matthews This document constitutes a signed copy of the work order Approval for return to service See attached parts list</p>						
13a. Certifies the items identified above were manufactured in conformity to:			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulations specified in Block 12			
<input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data 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:		
				 DUNCAN QI 2301		
13d. Name (Type or Printed):		13e. Date (dd/mm/yyyy):		14c. Approval Certificate No.:		
				JGVR194F		
14d. Name (Type or Printed):		14e. Date (dd/mm/yyyy):				
Jarrod Bovard		28 Aug 2024				
User/Installer Responsibilities						
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>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.</p> <p>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.</p>						
FAA Form 8130-3 (02-14) NSN-0052-00-012-9005						

Parts List			
Part Number	Part Description	Serial Number	Quantity
SP2000-0.015-00-10	INSULATOR PAD		1.000
4			
T101MH9AVBE	TOGGLE SWITCH		2.000
0934-111	SPACER		2.000
7579174-19	CLAMP		1.000
7000041-267	CAPACITOR 390UF 40V		1.000
7000041-301	CAPACITOR 150UF 100V		2.000
7021460-3	MAGNETRON	22550	1.000
7023445-902	HIGH VOLTAGE COVER		1.000
7023571-905	WIRE GUIDE		1.000
7023661-1	CONNECTOR COVER		1.000
800075211	DIODE		1.000

Parts List			
Part Number	Part Description	Serial Number	Quantity
SP2000-0.015-00-10 4	INSULATOR PAD		1.000
T101MH9AVBE	TOGGLE SWITCH		2.000
0934-111	SPACER		2.000
2579174-19	CLAMP		1.000
7000041-267	CAPACITOR 390UF 40V		1.000
7000041-301	CAPACITOR 150UF 100V		2.000
7021460-3	MAGNETRON	22550	1.000
7023445-902	HIGH VOLTAGE COVER		1.000
7023521-905	WIRE GUIDE		1.000
7023661-1	CONNECTOR COVER		1.000
7500076-211	DIODE		1.000



DUNCAN
AVIATION

Work Order Print

Project Manager: Heather Bogenreif
Work Order: KJC5A
Generated Date: 09/11/2024
3701 Aviation Rd
Lincoln, NE 68524
(402) 475-2611

Job Detail

Work Order Totals: \$20,787.75

Burwood Aviation Supplies Ltd*

Attn: Daron Goldin
Burwood House, Bessemer Close
Verwood
Dorset BH31 6AZ
ENGLAND

Customer #: 139834
Date: 06/03/2024
Customer PO: 115747
Aircraft: STOCK
HONEYWELL/WU-880/01012714

Customer Squawks

1 Preliminary findings: Magnetron cable badly worn, appears to have been arcing. Magnetron may be replaced. Also found aged power supply capacitors and intermittent switches. Unit needs software/modification updates and reliability reworks

Corrective Actions: Disassembled, inspected, cleaned, repaired as necessary, complied with 7021450-34-6014 dated November 2002 (Mod M), 7021450-34-6015 dated December 2004 (Mod N), 7021450-34-6016 dated September 2006 (Mod P), 7021450-34-18 Revision 3 dated 12 Oct 2019 (Mod S), 7021450-34-19 Revision 3 dated July 2017 (Mod T), 7021450-34-0022 Revision 1 dated August 2013 (Mod U), 7021450-34-0024 Revision 1 dated 24 OCT 2018 (Mod V), 7021450-34-0021 dated November 2012 (Mod W), 7021450-34-0023 dated August 2013 (Mod Y) and reassembled. Altitude tested without failure. Function tested per HONEYWELL WU-331/WU-440/WU-660/WU-880 Receiver Transmitter Antenna - Volume 1 Component Maintenance Manual with Illustrated Parts Catalog, Revision 11, dated 04/07/2023.
P/N 7021450-801 S/N 01012714 M/N WU-880

Parts	Qty	Unit Price		Amount
SP2000-0.015-00-104	1.000		EA	\$0.00
INSULATOR PAD				
T101MH9AVBE	2.000		EA	\$0.00
TOGGLE SWITCH				
0934-111	2.000		EA	\$0.00
SPACER LTC #11758				
2579174-19	1.000		EA	\$0.00
CLAMP LTC #11758				
7000041-267	1.000		EA	\$0.00
CAPACITOR 390UF 40V LTC #11758				
7000041-301	2.000		EA	\$0.00
CAPACITOR 150UF 100V LTC #11758				
7021460-3	1.000		EA	\$0.00
MAGNETRON LTC #11758		S/N 22550		
7023445-902	1.000		EA	\$0.00
HIGH VOLTAGE COVER LTC #11758				