

1. Approving Civil Aviation Authority/Country FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 5Y46A0001001001	
4. Organization Name and Address: Duncan Aviation/3701 Aviation Road/Lincoln, NE 68524 JGVR194F				5. Work Order/Contract/Invoice Number: 5Y46A		
6. Item: 1	7. Description: MODE S TRANSPONDER	8. Part Number: 622-9352-005	9. Quantity: 1	10. Serial Number: H2RV	11. Status/Work: Repaired	
12. Remarks: Customer: MANITOBA GOVERNMENT SERVICES Discrepancy: Causing electrical interference with TCAS computer. As soon as power is applied, not transmitting. Confirmed snag by replacing part. Preliminary Findings: Bench checked and could not duplicate discrepancy on initial or environmental function tests. Recommend cleaning transmitter and receiver shields and aligning unit. Corrective Action: Aligned transmitter and receiver. Cleaned grounding contacts on shields and receiver board. Function tested per ROCKWELL COLLINS TDR-94/94D (-004 Status and Higher) ATC/Mode S Transponder (ICA) Component Maintenance Manual with Illustrated Parts List, Edition 1, Revision 22, dated 03/16/2018. This transponder meets all requirements of FAR Part 43 Appendix F. 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. Technician: Matt R Leber This document constitutes a signed copy of the work order Approval for return to service						
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. ☒ 14 CFR 43.9 Return to Service ☒ Other regulations 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: <i>Dustin C Johnson</i> DUNCAN QI 1519		14c. Approval/Certificate No.: JGVR194F
13d. Name (Type or Printed):		13e. Date (dd/mmm/yyyy):		14d. Name (Type or Printed): Dustin C Johnson		14e. Date (dd/mmm/yyyy): 05 Jun 2018
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.						
FAA Form 8130-3 (02-14)				NSN-0052-00-012-9005		