

1. Approving Civil Aviation Authority/Country FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 53FNA0001001001	
4. Organization Name and Address: Duncan Aviation/3701 Aviation Road/Lincoln, NE 68524 JGVR194F				5. Work Order/Contract/Invoice Number: 53FNA		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number	11. Status/Work:	
1	FLIGHT DIRECTOR INDICATOR	4020531-102	1	81020866	Overhauled	
12. Remarks:						
Customer: L3 TECHNOLOGIES INC.						
Discrepancy: Off in pitch.						
Preliminary findings: Function tested and found it does wander in pitch. Opened and evaluated. The gimbal bearings are sluggish. The leveling switches appear to be ok at this time. The rotor is a bit sluggish. Overhaul is recommended.						
Corrective action: Disassembled unit. Replaced rotor assembly and the gimbal bearings. Cleaned slip rings and brushes. Aligned, calibrated and overhauled unit. Unit functional tested per SPERRY FLIGHT SYSTEMS GH-14 (X) Gyro Horizon Component Maintenance Manual with Illustrated Parts List, Revision 5, dated 09/15/1992.						
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: Michael T Goldsmith						
This document constitutes a signed copy of the work order						
Approval for return to service						
See attached parts list						
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: DUNCAN QI 2131		14c. Approval/Certificate No.: JGVR194F
13d. Name (Type or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Type or Printed): Daniel D McKenzie		14e. Date (dd/mm/yyyy): 04 Apr 2017
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)						

