



**INDICATOR, RADIO MAGNETIC**

TYPE NO. RMI-36      FAA TSO C6c  
DO-138 ENV CAT. GAPAAAXXXXX

WT **2.8** LB      S/N **9134**

COLLINS PN 622-2506- **014**

Collins General Aviation Division/Rockwell International  
Cedar Rapids, IA 52498 USA/Mfd Melbourne, FL

CAPPLUGS

DCC-15

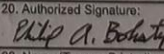


MOD

|    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|
| 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 |
| 42 | 43 | 44 | 45 | A  | B  | C  | D  | E  | F  |    |



**Warranty**  
**Void If Seal**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |                                                                                         |                   |                                                                                                                                                                                                                                                                                |                         |                                                        |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------|--|
| 1. Approving National Aviation Authority/Country<br><b>FAA/UNITED STATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 | 2. <b>AUTHORIZED RELEASE CERTIFICATE</b><br>FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG |                   |                                                                                                                                                                                                                                                                                |                         | 3. Form Tracking Number:<br><b>10E7A0001001001</b>     |  |
| 4. Organization Name and Address:<br><b>Duncan Aviation/Lincoln Airport/Lincoln, NE 68524 JGVR194F</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |                                                                                         |                   |                                                                                                                                                                                                                                                                                |                         | 5. Work Order/Contract/Invoice Number:<br><b>10E7A</b> |  |
| 6. Item:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7. Description:                 | 8. Part Number:                                                                         | 9. Eligibility: * | 10. Quantity:                                                                                                                                                                                                                                                                  | 11. Serial/Batch Number | 12. Status/Work:                                       |  |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>RADIO MAGNETIC INDICATOR</b> | <b>622-2506-014</b>                                                                     | <b>N/A</b>        | <b>1</b>                                                                                                                                                                                                                                                                       | <b>9134</b>             | <b>Overhauled</b>                                      |  |
| 13. Remarks:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |                                                                                         |                   |                                                                                                                                                                                                                                                                                |                         |                                                        |  |
| <p>Customer: GREAT LAKES AVIATION LTD<br/> Discrepancy: Evaluate and advise.</p> <p>Preliminary findings: Bench checked and found following discrepancies. Compass card will not turn clockwise, very slow counter clockwise. Opened and inspected. Need to replace power supply capacitors. Compass card drive circuit has bad transistors. Motor has high start voltage. Need to disassemble and clean gear train.</p> <p>Corrective action: Troubleshoot and replaced defective parts. Disassembled and cleaned gear train. Aligned. Overhauled and certified. Inspected and functional tested to specifications. Unit functional tested per ROCKWELL COLLINS RMI-36 Radio Magnetic Indicator and BDI-36 Bearing Distance Indicator Instruction Book (Repair Manual #523-0766802-00411A), Edition 4, dated 03/01/1991.</p> <p>Duncan Aviation certifies that the work specified in Blocks 12 and 13 was performed I.A.W. EASA Implementation Rule part 145 approval, and with respect to that work, the aircraft component is considered ready for release to service under EASA approval number 145.4392.</p> <p>All EASA/FAA Airworthiness Directives are the responsibility of the installer.<br/> No current U.S. Airworthiness Directives apply.<br/> Technician: JAMES A. HYDE<br/> This document constitutes a signed copy of the work order<br/> Approval for return to service<br/> See attached parts list</p> |                                 |                                                                                         |                   |                                                                                                                                                                                                                                                                                |                         |                                                        |  |
| 14. Certifies the items identified above were manufactured in conformity to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |                                                                                         |                   | 19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulations specified in Block 13                                                                                                                              |                         |                                                        |  |
| <input type="checkbox"/> Approved design data and are in a condition for safe operation.<br><input type="checkbox"/> Non-approved design data specified in Block 13.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                                                                         |                   | Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 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. |                         |                                                        |  |
| 15. Authorized Signature:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 | 16. Approval Authorization No.:                                                         |                   | 20. Authorized Signature:                                                                                                                                                                                                                                                      |                         | 21. Approval/Certificate No.:                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |                                                                                         |                   | <br>DUNCAN<br>QI 10                                                                                                                                                                         |                         | JGVR194F                                               |  |
| 17. Name (Type or Printed):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 | 18. Date (m/d/y):                                                                       |                   | 22. Name (Type or Printed):                                                                                                                                                                                                                                                    |                         | 23. Date (m/d/y):                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |                                                                                         |                   | PHILIP A. BOHATY                                                                                                                                                                                                                                                               |                         | Oct 31, 2011                                           |  |
| User/Installer Responsibilities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |                                                                                         |                   |                                                                                                                                                                                                                                                                                |                         |                                                        |  |
| <p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.</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 parts/components/assemblies from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in blocks 14 and 19 do not constitute installations 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 *6-01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |                                                                                         |                   | * Installer must cross-check eligibility with applicable technical data.                                                                                                                                                                                                       |                         | NSN-0052-00-012-9005                                   |  |

GREAT LAKES AIRLINES  
CERT. # GLBA031A



GREAT LAKES  
AVIATION, Ltd.

ATA 34-50

SERVICEABLE PARTS TAG

PN 622-2506-014

Name RMI36

SN 9134 TSO

Date 11/5/11

O/H/Agency Duncan Aviation

WO# 10E7A / R 21016

Shelf Life N/A

Insp. Seal Red 12803

☐ New ☒ O/H ☐ Repaired ☐ Bench ☐ Removed  
Remarks: Ck. Time. rem. \_\_\_\_\_

Installation Data

| A/C      | TAT      | Date |
|----------|----------|------|
| Log Page | Position |      |
| OFF S/N  | Mech.    |      |

Cable