

Beechcraft®

PER BMD 1001B  
PT. NO. 50-384203-

ATTITUDE GYRO

RANGE 4.3 TO 5.9 IN. HG. RATING VACUUM

MODEL 5000 B-10 T.S.O. C4C TYPE I

PART NO. 23-501-016-1

SER. NO. A 19471J

MFG. BY EDO-AIRE WICHITA KANSAS WT. 1.8 LB.



**DUNCAN**  
**AVIATION**

Duncan Aviation West  
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CRS# JGVR194F

WO# KZE4A

DA 1000

1. Approving Civil Aviation Authority/Country <b>FAA/UNITED STATES</b>	2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: <b>KZE4A0001001004</b>
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4. Organization Name and Address: <b>Duncan Aviation/3701 Aviation Road/Lincoln, NE 68524 JGVR194F</b>		5. Work Order/Contract/Invoice Number: <b>KZE4A</b>
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6. Item: <b>1</b>	7. Description: <b>ATTITUDE GYRO</b>	8. Part Number: <b>23-501-016-1</b>	9. Quantity: <b>1</b>	10. Serial Number: <b>A19471J</b>	11. Status/Work: <b>Overhauled</b>
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12. Remarks:

Discrepancy: None given. Evaluate and advise.

Preliminary Findings: Bench tested. Rotor bearings are very rough and noisy. Opened and evaluated. Gimbal bearings are sluggish. Air vanes are sticky. Unit needs overhaul.

Corrective Action: Disassembled and cleaned. Replaced rotor assembly and air filter. Replaced inner and outer gimbal bearings. Cleaned air vanes, pivots and stops. Reassembled. Aligned, balanced and calibrated. Overhauled. Unit function tested per EDO AIRE 5000B, D, and F Attitude Gyro Overhaul Manual, Change 1, dated 11/04/2010.

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.

Technician: Jerry L Bremer  
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: <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.		14a <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> 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.	
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13b. Authorized Signature:	13c. Approval Authorization No.:	14b. Authorized Signature: <i>Michael T Goldsmith</i>	DUNCAN QI 381	14c. Approval/Certificate No.: <b>JGVR194F</b>
13d. Name (Type or Printed):	13e. Date (dd/mm/yyyy):	14d. Name (Type or Printed): <b>Michael T Goldsmith</b>		14e. Date (dd/mm/yyyy): <b>06 Jan 2025</b>

**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