

HANDLING NOTE
AVOID RAPID GYRO MOVEMENT
DURING GYRO RUNDOWN PERIOD

Supplied by
Airmark International
(800) 420-8349
1771 Ra. 025 Street, Corona, Ca.



**GYROSCOPE,
DISPLACEMENT**
MODEL VG-206D
PART NO. 501-1204-01
SERIAL NO. 2245A
POWER 115 ac 400Hz 1Ø
TSO C4c
BFGoodrich
Aerospace
BFGoodrich Avionics Systems, Inc.
Grand Rapids, Michigan USA

MODIFICATIONS
21 ● 22 ● 23 ● 24 ● 25 ● 26 ● 27 ● 28 ● 29 ● 30 ●
31 ● 32 ● 33 ● 34 ● 35 ● 36 ● 37 ● 38 ● 39 ● 40 ●

MODIFICATIONS
1 ● 2 ● 3 ● 4 ● 5 ● 6 ● 7 ● 8 ● 9 ● 10 ●
11 ● 12 ● 13 ● 14 ● 15 ● 16 ● 17 ● 18 ● 19 ● 20 ●

1. Issuing National Aviation Authority/Country FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 14N8A0001001001	
4. Organization Name and Address: Duncan Aviation/Lincoln Airport/Lincoln, NE 68524					
5. Work Order/Contract/Invoice Number: 14N8A					
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:
	GYROSCOPE DISPLACEMENT	501-1204-01	N/A	1	2245A
12. Status/Work: Overhauled					

13. Remarks:

Customer: AIRMARK INTERNATIONAL
 Discrepancy: Shows constant 3 to 4 degrees right turn.

Preliminary Findings: Bench checked unit and duplicated discrepancy. Also found gyro's free drift out of specification. Unit opened and inspected. Inner gimbal bearings are rocky, rotor bearings are dry, and A2C2 capacitor needs replaced. Unit needs an overhaul.

Corrective Action: Replaced defective parts. Cleaned, aligned and calibrated. Inspected and overhauled to specifications. Functional tested per the L-3 COMM AVIONICS SYSTEMS VG-206D Displacement Gyroscope Maintenance Manual with Illustrated Parts List, Revision 5, dated 02/13/2008.

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.

All EASA/FAA Airworthiness Directives are the responsibility of the installer.
 No current U.S. Airworthiness Directives apply.
 Technician: Donald E Harwood
 This document constitutes a signed copy of the work order
 Approval for return to service
 See attached parts list

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. <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: <i>Nicholas S Evans</i>	21. Approval/Certificate No.: DUNCAN QI 1462 JGVR194F
17. Name (Type or Printed):	18. Date (m/d/y):	22. Name (Type or Printed): Nicholas S Evans	23. Date (m/d/y): Jan 10, 2012

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

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.

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.