
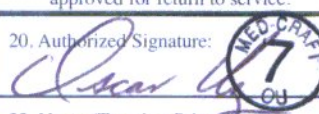


1. Approving National Aviation Authority/Country FAA/United States		<b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number:  <b>109450</b>	
4. ORGANIZATION: Name and Address		 2450 N.W. 110th Avenue Miami, Florida 33172 Tel.: (305) 594-7444 Fax: (305) 594-9080 F.A.A. Repair Station N° LZ4R354M				5. Work Order / Contract / Invoice Number:  <b>TM-200330</b>	
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Qty.:	11. Serial/Batch Number:	12. Status/Work:	
1.	Force Transducer	GM5341-8	N/A	1	1408	REPAIRED	
13. Remarks: Work Order 109450 prescribing the actual work performed is attached. Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part-145 and in respect to that work the component is considered ready for release to service under EASA Part-145 Approval Number: EASA.145.4663. The work stated in Block 12 was accomplished IAW CMM 22-10-02 Rev Date: 08/30/00 Rev No.: 3							
14. **** Certifies the items identified above were manufactured in conformity to: **** **** Approved design data and are in a condition for safe operation **** **** 因**所**批准**设计**数据**而**产品**符合**标准** **** **** Approved design data and are in a condition for safe operation ****				19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulations specified in Block 13 Certified 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 Number:	
						LZ4R354M	
17. Name (Typed or Printed):		18. Date (mm/dd/yy):		22. Name (Typed or Printed):		23. Date (mm/dd/yy):	
				OSCAR UZ		MAR 13 2013	
<b>User/Installer Responsibilities</b>							
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 work in accordance with 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 Block 14 and 19 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.							

# WORK ORDER

Work Order :109450  
Part Number :GM5341-8  
Serial Number :1408  
ATA Number :22-10-02  
Service Req. :Repair

Repair Order :TM-200330  
Description :Force Transducer  
Manufacturer :Kavlico Corp.  
Revision Date :08/30/00  
Date :03/07/13

## FAA REPAIR STATION LZ4R354M

### CONDITION REPORTED - CONFIRMATION N/A

Unknown.

### CONDITION AS RECEIVED

VISUAL INSPECTION APPEARS NORMAL

### HIDDEN DAMAGE INSPECTION

NONE FOUND

### REMARKS

QUOTE and HOLD.

Receiving Clerk: Giovanni Acosta

DATE: 03/07/2013

### AD NOTES, Customer Specs

THERE ARE NO A.D. NOTES FOR THIS UNIT

Signature: \_\_\_\_\_



DATE: \_\_\_\_\_

03/07/2013

FORM MC10-1

REV 16



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Service Req. :Repair

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Manufacturer :Kavlico Corp.  
Revision Date :08/30/00  
Date :03/07/13

## FAA REPAIR STATION LZ4R354M

### TEARDOWN REPORT

1. This unit was inspected and functionally tested in accordance with the manufacturer's test procedures.
2. The following discrepancies were found:
  - A. Fault at test No. 2.A(6)(B).
  - B. The sensor B adjustment screw is out of limits.
3. No parts required.



TECHNICIAN: Hector Saldarriaga

SUPERVISOR: 

FORM MC10-2

REV 16



# WORK ORDER

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ATA Number :22-10-02  
Service Req. :Repair

Repair Order :TM-200330  
Description :Force Transducer  
Manufacturer :Kavlico Corp.  
Revision Date :08/30/00  
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## FAA REPAIR STATION LZ4R354M

### CORRECTIVE ACTION

1. The adjustment screw of the sensor was calibrated to bring the unit inside the manufacturer's normal parameters.
2. This unit was tested in accordance with the specifications of CMM 22-10-02.
3. This unit passed test successfully.

Unit repaired and certified for return to service.

Tech : Hector Saldarriaga Spvsr : [Signature] Date : 03/12/13

### SERVICE PERFORMED

Repaired

### MAINTENANCE RELEASE

Issued with respect to job performed as checked above.  
The component identified above was inspected in accordance with current regulations of the F.A.A. and is approved for return to service. Pertinent details of the repair are on file at this agency under

W.O.# 109450 Date MAR 13 2013 Signed [Signature]



# TRANSDUCER P/N GM5341-B

W/O 109450	S/N 140B	DATE 03/12/13	TECHNICIAN H.S.
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SENSOR	INSULAT.	DIELECT.
A	207M $\Omega$	0.K
B	172 M $\Omega$	0.K

SENSOR	PHASING	PH. ANG.	LIMIT
A	4.79°	176.5°	10
B	4.37°	176.6°	10

	SENS. A	SENS. B.	DELTA	VOLTAGE	DELTA
NULL V.	22.4 mV	15.6 mV	6.5 mV	40 mV	10 mV

FORCE LB/KG	SENSOR A		SENSOR B		LIMITS		ERROR				ERROR LIMITS	
	COMPR.	TENS	COMP.	TENS	MIN	MAX	SYMET. A	SYMET. B	TRACK. C.	TRACK. T.	SYMETRY	TRACKING
10/4.5	0.01985	0.02162	0.02073	0.02084	0.0167	0.0237	0.00177	0.00011	0.00038	0.00078	0.0034	0.0015
25/11.3	0.04981	0.05292	0.05108	0.05271	0.0438	0.0564	0.00311	0.00163	0.00127	0.00021	0.006	0.0025
50/22.7	0.10198	0.10604	0.10368	0.10672	0.0904	0.1107	0.00400	0.00304	0.00170	0.00068	0.01	0.0045
75/34	0.15995	0.15946	0.16164	0.16045	0.1388	0.1623	0.00049	0.00119	0.00169	0.00099	0.0115	0.0067
100/45.4	0.20988	0.20998	0.21242	0.21195	0.1892	0.2129	0.00271	0.00050	0.00525	0.00207	0.0115	0.0088

SENSOR	HYSTER.
A	0.77 mV
B	1.42 mV

TESTED BY: JEM.

DATE: MAR 12 2013

INSPECTED BY: WTS

