



RECORD OF CONVERSATION

Jennifer Rodi
Air Safety Investigator
Central Region

Person Contacted: Quint DeGroot – Owner Spencer Avionics
NTSB Accident Number: CEN19LA049

Narrative:

During the conversation, Mr. DeGroot stated the following:

- The pilot brought the airplane in at the end of October 2018 with an apparent autopilot issue
- The computer and mode controllers were removed and sent to Autopilot Central for further test and repair
- Once the components were repaired and reinstalled the pilot flew the airplane and confirmed that everything was working perfectly
- The pilot flew out to Michigan prior to the accident – he called Mr. DeGroot several times before the accident flight to report that there were no issues with the airplane and that the flight out was uneventful
- Mr. DeGroot had flown with the pilot on several occasions. He was never concerned while flying with the pilot. He stated that the pilot loved the airplane and was looking forward to using the airplane to travel more since he retired.

CUSTOMER WORK ORDER REPORT**Spencer Avionics, Inc.****WO # 8050 Task 1 AV pg 1****FAA Certified Repair Station # KU2R965K**

Cust Code: VAME

Phone: [REDACTED]

Vaughn Meyer
[REDACTED]

A/C Tail #	N6745V		
A/C Make	BEECH		
A/C Model	58P	Ser#	TH-272
Job Status	OPENED		
Job type	STANDARD		
Open Date	Oct-30-2018 Tuesday		
Promised	Dec-08-2018 Saturday		
Started	Oct-30-2018 Tuesday		
Finished	Dec-04-2018 Tuesday		
Printed	Dec-04-2018 Tuesday 11:22		

Item	System Coupler		
Part #	1C543-1		
Model	1C543-1		
Serial #	2592C		
Mfgr.	Edo-Aire		
Discrep.	Autopilot problems, altitude hold will		

Discrepancy

Autopilot problems, altitude hold will not release. Will not go into attitude or vs mode.

Preliminary Inspection

QDG

Hidden Damage Inspection

QDG

Progressive Inspection

QDG

Corrective Action

Trouble shot and confirmed the problem of unit would not go to ATT mode. Found the problem to be in the controller and the coupler had problems. Shipped 1C543-1 s/n: 2592C to Autopilots Central for repair.

11/30/18 received repaired unit. Per Autopilots Central, Bench tested unit and found leaky capacitors C1 and C2 on bottom board. Replaced C1 and C2 on bottom board. Repaired and tested reference Century manual 68S371. March 1978

Labor Date Empl Description Hrs Rate OTX Total Lbr

30Oct2018 Tue QUDE ---+----- 1.00 RG

Trouble shoot and remove components

LABOR TOTALS 1.00

Other type Description Qty Sell Sell Ext

UPS GROUND Ship to Autopilot Central for re 1.00

FACTORY REPAIRS Repair of Glideslope Coupler at 1.00

OTHER TOTALS

----- END TEXT -----

MAINTENANCE RELEASE / RETURN TO SERVICE CRS# KU2R965K

The Aircraft, component, propeller or appliance identified above was repaired in accordance with current Federal Aviation Agency Regulations and is hereby approved for return to service.

Inspector / Authorized Signature

Certificate #

Date

12/04/2018

CUSTOMER WORK ORDER REPORT

Spencer Avionics, Inc.

WO # 8050 Task 2 AV pg 1

FAA Certified Repair Station # KU2R965K

Cust Code: VAME

Phone: [REDACTED]

Vaughn Meyer
[REDACTED]

Item	Flight Programmer
Part #	1C497-8
Model	1C497-8
Serial #	2551
Mfgr.	Edo-Aire
Discrep.	Controller ATT will not engage

A/C Tail #	N6745V		
A/C Make	BEECH		
A/C Model	58P	Ser#	TH-272
Job Status	OPENED		
Job type	STANDARD		
Open Date	Oct-30-2018 Tuesday		
Promised	Dec-08-2018 Saturday		
Started	Oct-31-2018 Wednesday		
Finished	Dec-04-2018 Tuesday		
Printed	Dec-04-2018 Tuesday 11:22		

Discrepancy

Controller ATT will not engage

Preliminary Inspection

QDG

Hidden Damage Inspection

QDG

Progressive Inspection

QDG

Corrective Action

Trouble shot and confirmed the problem of unit would not go to ATT mode. Found the problem to be in the controller and the coupler had problems. Shipped 1C497-8 s/n: 2551 to Autopilots Central, Inc for repair.

11/30/18 received repaired unit. Per Autopilots Central, Bench tested unit and found ALT switch sticks: G/S switch has resistance. Replaced ALT and G/S switches: cleaned relay contacts. Repaired and tested reference Century manual 68S371, March 1978

Labor Date	Empl	Description	Hrs	Rate	OTX	Total Lbr
04Dec2018 Tue	QUDE	Install repaired components	1.00	RG		
		LABOR TOTALS	1.00			

Other type	Description	Qty	Sell	Sell Ext
FACTORY REPAIRS	Repair of Flight Programmer at A	1.00		
UPS GROUND	Ship from AUPU to SPW	1.00		
	OTHER TOTAL			

----- END TEXT -----

MAINTENANCE RELEASE / RETURN TO SERVICE CRS# KU2R965K

The Aircraft, component, propeller or appliance identified above was repaired in accordance with current Federal Aviation Agency Regulations and is hereby approved for return to service.

Inspector / Authorized Signature

Certificate #

Date

12/04/2018

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number SH18-32562	
4. Organization Name and Address: FAA CRS #CM2R747K HANGAR 23, TULSA INT'L AIRPORT • TULSA, OKLAHOMA 74115				5. Work Order/Contract/Invoice Number: Same #3		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	System Computer	YC543-1	1	2592 C	Repair	
12. Remarks: Reference attached service shop report for work performed.						
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation 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:		
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed):		
				Eric Carpenter		
				28/NOV/2018		
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

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number SH18-32562	
4. Organization Name and Address: FAA CRS #CM2R747K HANGAR 23, TULSA INT'L AIRPORT • TULSA, OKLAHOMA 74115				5. Work Order/Contract/Invoice Number: Same #3		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	Programmer	YC497-8	1	2551	Repair	
12. Remarks: Reference attached service shop report for work performed.						
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation 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:		
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed):		
				Eric Carpenter		
				28/NOV/2018		
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