

Dyersburg Avionics, Incorporated of Caruthersville

2204 Airport Rd Caruthersville, MO 63830

(573)333-4296 Phone (573)333-0670 Fax

FAA Repair Station SF4R516M

Revised Weight and Balance

Aircraft Make: Beech E55

Aircraft S/N: T2-777

Aircraft Reg#: N3622A

Date: 1/19/15

Previous Empty Weight

<u>Weight</u>	<u>Arm</u>	<u>Moment</u>
<u>3462.7</u>	<u>80.74</u>	<u>279589.7</u>

<u>Installed:</u> <u>Equipment</u>	<u>Weight</u>	<u>Arm</u>	<u>Moment</u>
<u>See Reverse</u>	<u>18.1</u>	<u>63.86</u>	<u>1149.4</u>
<u>GA-37</u>	<u>0.5</u>	<u>130.0</u>	<u>65.0</u>

<u>Removed:</u> <u>Equipment</u>	<u>Weight</u>	<u>Arm</u>	<u>Moment</u>
<u>See Reverse</u>	<u>22.2</u>	<u>63.84</u>	<u>1417.2</u>
<u>GA-55</u>	<u>0.5</u>	<u>130.0</u>	<u>65.0</u>

New Aircraft Empty Weight: 3458.5

New Aircraft C. G.: 80.77

New Aircraft Useful Load: 1841.5

Moment: 279315.7

Name of Preparer: JWDan

Removed:

KMA-12B	3.0	65.-	195.-
KNS-80	6.0	63.5	381.-
KX-15T	2.5	63.5	348.3
KI-209	1.0	66.-	66.-
KT-76A	3.1	64.-	198.4
KR-86	3.1	64.5	200.-
RS08-001	0.5	55.-	27.5

Installed:

GNS-570W	8.5	63.5	539.8
KMA-24	1.7	65.-	110.5
KN-53	2.6	64	166.4
GTX-330 ES	4.2	63.5	266.7
KI209A	1.0	66.-	66.-
	<u>18.-</u>	<u>63.86</u>	<u>1149.4</u>



U.S. Department of Transportation
Federal Aviation Administration

Customized File

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation (49 U.S.C. §46301(a)).

1. Aircraft	Nationality and Registration Mark USA N3622A	Serial No. TE-777	
	Make Beech	Model E55	Series
2. Owner	Name (As shown on registration certificate) John Bell Aircraft, Inc.	Address (As shown on registration certificate) Address 14 Country Road 523	
		City Como	State MS
		Zip 38619	Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	Dyersburg Avionics, Incorporated of Caruthersville	<input type="checkbox"/> U.S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address	2204 Airport Drive	<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City	Caruthersville State MO	<input checked="" type="checkbox"/> Certificated Repair Station	Limited Airframe SF4R516M
Zip	63830 Country USA	<input type="checkbox"/> Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual <i>Jerrie Davis</i> Jerrie W. Davis 5/31/18
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Canadian Department of Transport
	FAA Designee <input checked="" type="checkbox"/>	Repair Station	Inspection Authorization	Other (Specify)
Certificate or Designation No. SF4R516M		Signature/Date of Authorized Individual <i>Jerrie Davis</i> Jerrie W. Davis 5/31/18		

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

USA N3622A

Nationality and Registration Mark

3/31/18

Date

Removed Garmin KT-76A Transponder.

Installed:

1. Garmin GTX-330 ES ADS-B out Transponder with reference to the Installation Manual, P/N 190-00734-10 Rev. 10 dated 03/2018.

The GTX-330ES is approved for installation under STC SA01714WI with an Approved Model List.

The GTX-330ES was interfaced to the existing encoder, and newly installed GNS-530W, and KMA-24 audio panel.

Installed Pilot's Guide P/N 190-00207-00 Rev G dated Aug 2012 in the aircraft.

Installed GTX-330/33 with ADS-B out FAA Approved Flight Manual Supplement P/N 190-00734-15 Rev. 3 dated 12/2017 in the Airplane Flight Manual.

Instructions for Continued Airworthiness P/N 190-00734-11 Rev. 6 Section 4-4.9 dated 12/2017 was installed in aircraft records.

Ground test of the GTX-330ES was performed with reference to the applicable Installation Manuals. Systems performed within required specifications. No interference was noted from other installed equipment.

The described installation was accomplished with reference to the acceptable methods, techniques, and practices in Advisory Circular (AC) 43.13-1B, Chapter 10 Paragraph 20, Chapter 11 Paragraphs 30-32, 35a, 47-52, 76, 77, 96, 104, 105, 115, 116, 135-139, 155, 167, 174, 185, and 186; Chapter 12 Paragraphs 1, 8, and 9; AC 43.13-2B 2B Chapter 1 Paragraph 100, 106, 108, 109, 110, 111, and 112; Chapter 2 Paragraphs 200-202, 203f, 205, 206a, 207, 208, 209 and 210; Chapter 3 Paragraph 300-310.

Total continuous electrical load does not exceed 80% of the electrical charging system.

Updated the aircraft records with the revised weight and balance and aircraft equipment list, reflecting the above airframe alteration. Aircraft center of gravity limits are not exceeded.

Entered the description of work performed in the Aircraft Maintenance Logbook.

All pertinent details regarding this installation are on file at this repair station under Work Order Numbers 4992.

Additional Sheets Are Attached



U.S. Department of Transportation
Federal Aviation Administration

Customer File

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

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1. Aircraft	Nationality and Registration Mark USA N3622A	Serial No. TE-777	
	Make Beech	Model E55	Series
2. Owner	Name (As shown on registration certificate) John Bell Aircraft, Inc.	Address (As shown on registration certificate) Address 14 Country Road 523	
		City <u>Como</u> State <u>MS</u> Zip <u>38619</u> Country <u>USA</u>	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)	
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type _____		
			Manufacturer _____		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name <u>Dyersburg Avionics, Incorporated of Caruthersville</u>		<input type="checkbox"/> U.S. Certified Mechanic	<input type="checkbox"/> Manufacturer
Address <u>2204 Airport Drive</u>		<input type="checkbox"/> Foreign Certified Mechanic	C. Certificate No. <u>Limited Airframe SF4R516M</u>
City <u>Caruthersville</u> State <u>MO</u>		<input checked="" type="checkbox"/> Certified Repair Station	
Zip <u>63830</u> Country <u>USA</u>		<input type="checkbox"/> Certified Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual <i>Jerrie W. Davis</i> Jerrie W. Davis <u>3/21/10</u>
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Canadian Department of Transport
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)
Certificate or Designation No. SF4R516M		Signature/Date of Authorized Individual <i>Jerrie W. Davis</i> Jerrie W. Davis <u>3/21/10</u>		

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USA N3622A

Nationality and Registration Mark

3/31/18

Date

Installed the following equipment:

1. Garmin GNS-530W GPS/VOR/ILS/Com/Terrain/WAAS system, P/N 010-00416-40, TSO C37d , C38d, C40c, C36e, C34e, C40c, C146a, and C113 with reference to the GNS-530W Installation Manual, P/N 190-00357-08 Rev. N dated 10/2017.
2. Garmin GA-37 GPS/WAAS XM Antenna P/N 013-00245-00, TSO C144. Installation was accomplished with reference to the Garmin STC Antenna Installation Manual, P/N 190-00569-00, Rev. F dated 08/2007.

The GNS-530W is approved for installation under STC SA01933LA-D with an Approved Model List.

The GNS-530W was interfaced to the existing SN3308, KMA-24 audio panel and encoder.

Installed Garmin GNS-530W "Pilot's Guide and Reference", P/N 190-00357-00 Revision K dated 01/2016, GNS-530W Quick Reference P/N 190-00357-01 Revision J dated 01/2016.

Installed Instructions for Continued Airworthiness P/N 190-00673-01 Rev. F dated August 2007 and P/N 190-00357-65 Rev. D dated Nov 2014.

Installed FAA Approved Flight Manual Supplement P/N 190-00357-03 Rev. D dated Jan 2014 in the Aircraft Flight Manual.

Ground test and flight evaluation of the GNS-530W were performed with reference to the applicable Installation Manuals. Systems performed within required specifications. No interference was noted from other installed equipment.

The described installation was accomplished with reference to the acceptable methods, techniques, and practices in Advisory Circular (AC) 43.13-1B, Chapter 10 Paragraph 20, Chapter 11 Paragraphs 30-32, 35a, 47-52, 76, 77, 96, 104, 105, 115, 116, 135-139, 155, 167, 174, 185, and 186; Chapter 12 Paragraphs 1, 8, and 9; AC 43.13-2B 2B Chapter 1 Paragraph 100, 106, 108, 109, 110, 111, and 112; Chapter 2 Paragraphs 200-202, 203f, 205, 206a, 207, 208, 209 and 210; Chapter 3 Paragraph 300-310.

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Updated the aircraft records with the revised weight and balance and aircraft equipment list, reflecting the above airframe alteration. Aircraft center of gravity limits are not exceeded.

Entered the description of work performed in the Aircraft Maintenance Logbook.

All pertinent details regarding this installation are on file at this repair station under Work Order Number 4992.

Additional Sheets Are Attached