

# Revised Weight and Balance

Aircraft Make  
Aircraft Model  
Serial Number  
Registration Number

Beechcraft  
A36  
E-2428  
N31121

SUPERSEDED

Item	Date	Weight	ARM	Moment
Old empty weight as of 02/16/1998	7/14/23	2568.20	80.392	201238.00
Signature <i>Kane Clark</i>				
Added Kelly AC STC#SA04342CH				
Repair Station # : ETER699D		64.00	210.70	13484.80
New Empty Weight		2567.2	83.64	214722.8

Maximum Ramp Weight  
Useful Load

3833.0  
1265.8

KANE CLARK, AP4498742

*Kane Clark*

# Weight / Balance & Equipment List Revision Page #: 1

Lowe Aviation Services LLC - ETER699D

dba Gardner Lowe Aviation Services, PO Box 2749

Peachtree City, Ga 30269 Tel: 770-631-0650

A/C Tail #: N31121

Register Name: TIME SAVER AVIATION LLC

Name 2:

Address 1: 681 HARBOOUR SHORES DR

Address 2:

City, State, PC: JACKSON, GA 30233

A/C Make: BEECH

A/C Model: A36

A/C Serial #: E-2428

WO Ref #: 53432

WB Date: Jul-14-2023

WB ID #: 556

This Aircraft has been re-weighted using the following computations.

Reaction Points	Scale Reading	Tare	Net Weight	Arm / CG	Moment
Right Main	1336.00	0.00	1336.00	XXXXXXX	XXXXXXXXXXXX
Left Main	1351.00	0.00	1351.00	XXXXXXX	XXXXXXXXXXXX
Sub Total Main	XXXXXXX	XXXXXXX	2687.00	96.50	259295.50
Nose / Tail	478.00	0.00	478.00	1.90	908.20
Total as Weighed			3165.00	82.21	260203.70
Engine Oil					
Un-useable Fuel					
110 GAL @ 6 LBS			-660.00	79.00	-52140.00
Other 2					
Other 3					
Basic Empty Weight			2505.00	83.06	208063.70

AIRCRAFT GROSS WEIGHT = 3833.00 WEIGHED USEFUL LOAD (computed) = 1328.00

Model	Description of changes	(LB / IN) Weight	CG/Arm	Moment
	New data from weighing -->	2505.00	83.06	208063.70

NO ITEMS REMOVED

NO ITEMS INSTALLED

NEW DATA -->	NEW USEFUL LOAD = 1328.00	2505.00	83.06	208063.70
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Authorized Individual: ETER699D LANE MITCHELL





U.S. Department  
of Transportation  
Federal Aviation  
Administration

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

Form Approved  
OMB No. 2120-0020  
11/30/2007

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 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 <b>N31121</b>	Serial No. <b>E-2428</b>	Series
	Make <b>BEECH</b>	Model <b>A36</b>	
2. Owner	Name (As shown on registration certificate) <b>TIME SAVER AVIATION LLC</b>	Address (As shown on registration certificate) <b>681 HARBOUR SHORES DR JACKSON, GA 30233 USA</b>	

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>Lowe Aviation Services LLC dba Gardner Lowe Aviation Services 500 Aviation Way, B-5 Peachtree City, Ga 30269 USA</b>	B. Kind of Agency	
	<input type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
	<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
	<input checked="" type="checkbox"/> Certificated Repair Station	RS # ETER699D
	<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 ☐

Signature/Date of Authorized Individual

**MATTHEW PLATT**  
**JUL 17 2023**

### 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

FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
BY	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization
		Other (Specify)	

Certificate or  
Designation No.  
**ETER699D**

Signature/Date of Authorized Individual

**MATTHEW PLATT**  
**JUL 17 2023**

FAA APPROVED

AIRPLANE FLIGHT MANUAL SUPPLEMENT  
or  
SUPPLEMENTAL AIRPLANE FLIGHT MANUAL  
for the

GARMIN G500/G600 TXi DISPLAY SYSTEM  
as installed in

**BEECH A36**

Make and Model Airplane

Registration Number: N31121

Serial Number: E-2428

This document serves as an Airplane Flight Manual Supplement or as a Supplemental Airplane Flight Manual when the aircraft is equipped in accordance with Supplemental Type Certificate SA02571SE for the installation and operation of the Garmin G500/G600 TXi System. This document must be carried in the airplane at all times.

The information contained herein supplements or supersedes the information made available to the operator by the aircraft manufacturer in the form of clearly stated placards or markings, or in the form of an FAA approved Airplane Flight Manual, only in those areas listed herein. For limitations, procedures and performance information not contained in this document, consult the basic placards or markings, or the basic FAA approved Airplane Flight Manual. FAA approved sections of the AFMS are labeled "FAA APPROVED". Sections not labeled "FAA APPROVED" are for guidance only.

FAA APPROVED BY: Erik Frisk

Erik Frisk  
ODA STC Unit Administrator  
GARMIN International, Inc  
ODA-240087-CE

DATE: 25-JAN-2023



FAA APPROVED

AIRPLANE FLIGHT MANUAL SUPPLEMENT  
or  
SUPPLEMENTAL AIRPLANE FLIGHT MANUAL  
for the

GARMIN G500/G600 TXi DISPLAY SYSTEM  
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FAA APPROVED BY: Erik Frisk

Erik Frisk  
ODA STC Unit Administrator  
GARMIN International, Inc  
ODA-240087-CE

DATE: 25-JAN-2023

FAA APPROVED

AIRPLANE FLIGHT MANUAL SUPPLEMENT  
or  
SUPPLEMENTAL AIRPLANE FLIGHT MANUAL  
for the

GARMIN GI 275 MULTIFUNCTION INSTRUMENT  
as installed in

**BEECH A36**

Make and Model Airplane

Registration Number: N31121  
Serial Number: E-2428

This document serves as an Airplane Flight Manual Supplement or as a Supplemental Airplane Flight Manual when the aircraft is equipped in accordance with Supplemental Type Certificate SA02658SE for the installation and operation of the Garmin GI 275 Multifunction Instrument. This document must be carried in the airplane at all times.

The information contained herein supplements or supersedes the information made available to the operator by the aircraft manufacturer in the form of clearly stated placards or markings, or in the form of an FAA approved Airplane Flight Manual, only in those areas listed herein. For limitations, procedures and performance information not contained in this document, consult the basic placards or markings, or the basic FAA approved Airplane Flight Manual. FAA approved sections of the AFMS are labeled "FAA APPROVED". Sections not labeled "FAA APPROVED" are for guidance only.

FAA APPROVED BY: JR Brownell

JR Brownell  
ODA STC Unit Administrator  
GARMIN International, Inc  
ODA-240087-CE

DATE: 1/18/2023

AFMS, GI 275 Part 23 AML STC  
FAA APPROVED

190-02246-12 Rev. 9  
Page i

Garmin International, Inc.  
1200 E. 151<sup>st</sup> Street  
Olathe, Kansas 66062 U.S.A.

FAA APPROVED

AIRPLANE FLIGHT MANUAL SUPPLEMENT  
or  
SUPPLEMENTAL AIRPLANE FLIGHT MANUAL  
for the  
Garmin GTN 625Xi, 635Xi, 650Xi, 725Xi, or 750Xi  
GPS/SBAS Navigation System  
as installed in

**BEECH A36**  
Make and Model Airplane

Registration Number: N31121 Serial Number: E-2428

This document serves as an Airplane Flight Manual Supplement or as a Supplemental Airplane Flight Manual when the aircraft is equipped in accordance with Supplemental Type Certificate SA02019SE-D for the installation and operation of the Garmin GTN 625Xi, 635Xi, 650Xi, 725Xi, or 750Xi GPS/SBAS Navigation System. This document must be incorporated into the FAA Approved Airplane Flight Manual or provided as an FAA Approved Supplemental Airplane Flight Manual.

The information contained herein supplements the information in the FAA Approved Airplane Flight Manual. For limitations, procedures, loading and performance information not contained in this document, refer to the FAA Approved Airplane Flight Manual, markings, or placards. FAA approved sections of the AFMS are labeled "FAA APPROVED".  
Sections not labeled "FAA APPROVED" are for guidance only.

FAA Approved by:



JR Brownell  
ODA STC Unit Administrator  
Garmin International Inc.  
ODA-240087-CE

Date: 4/5/2023

AFMS, Garmin GTN Xi GPS/SBAS System  
FAA APPROVED

190-01007-C2 Rev. 7  
Page i



Garmin International, Inc.  
1200 E. 151<sup>st</sup> Street  
Olathe, Kansas 66062 U.S.A.

FAA APPROVED

AIRPLANE FLIGHT MANUAL SUPPLEMENT  
or  
SUPPLEMENTAL AIRPLANE FLIGHT MANUAL  
for the  
Garmin GTN 625Xi, 635Xi, 650Xi, 725Xi, or 750Xi  
GPS/SBAS Navigation System  
as installed in

**BEECH A36**

Make and Model Airplane

Registration Number: N31121 Serial Number: E-2428

This document serves as an Airplane Flight Manual Supplement or as a Supplemental Airplane Flight Manual when the aircraft is equipped in accordance with Supplemental Type Certificate SA02019SE-D for the installation and operation of the Garmin GTN 625Xi, 635Xi, 650Xi, 725Xi, or 750Xi GPS/SBAS Navigation System. This document must be incorporated into the FAA Approved Airplane Flight Manual or provided as an FAA Approved Supplemental Airplane Flight Manual.

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Sections not labeled "FAA APPROVED" are for guidance only.

FAA Approved by:

JR Brownell

JR Brownell  
ODA STC Unit Administrator  
Garmin International Inc.  
ODA-240087-CE

Date:

4/5/2023

AFMS, Garmin GTN Xi GPS/SBAS System  
FAA APPROVED

190-01007-C2 Rev. 7

Page i



Garmin International, Inc.  
1200 E. 151<sup>st</sup> Street  
Olathe, Kansas 66062 U.S.A.

FAA APPROVED

AIRPLANE FLIGHT MANUAL SUPPLEMENT  
or  
SUPPLEMENTAL AIRPLANE FLIGHT MANUAL

for the  
Garmin GTX 33X and GTX 3X5 Transponders with ADS-B  
as installed in

**BEECH A36**

Make and Model Airplane

Registration Number: **N31121** Serial Number: **E-2428**

This document serves as an FAA Approved Airplane Flight Manual Supplement or Supplemental Airplane Flight Manual when the GTX 33X or GTX 3X5 with ADS-B is installed in accordance with Supplemental Type Certificate SA01714WI. This document must be incorporated into the FAA Approved Airplane Flight Manual or provided as an FAA Approved Supplemental Airplane Flight Manual.

The information contained herein supplements the FAA approved Airplane Flight Manual. For limitations, procedures, loading and performance information not contained in this document, refer to the FAA approved Airplane Flight Manual, markings, or placards.

FAA Approved By:

*JR Brownell*

JR Brownell  
ODA STC Unit Administrator  
Garmin International, Inc.  
ODA-240087-CE

Date:

6/16/2021

GARMIN Ltd. or its subsidiaries  
c/o GARMIN International, Inc.  
1200 E. 151st Street  
Olathe, Kansas 66062 U.S.A.

## FAA Approved AIRPLANE FLIGHT MANUAL SUPPLEMENT

### GFC 600 Autopilot Installed in Textron Aviation A36 (1984 and After)

Dwg. Number: 190-02011-03 Rev. 3

This Supplement must be attached to the FAA Approved Airplane Flight Manual when the GFC 600 Autopilot system is installed in accordance with STC SA01844WI. The information contained herein supplements the information of the basic Airplane Flight Manual. For Limitations, Procedures, and Performance information not contained in this Supplement consult the basic Pilot's Operating Handbook and FAA Approved Airplane Flight Manual.

Airplane Serial Number: E-2428

Airplane Registration Number: N31121

FAA Approved By: Erik Frisk

Erik Frisk  
ODA STC Unit Administrator  
Garmin International, Inc  
ODA-240087-CE  
Date: 16-AUG-2018





GARDNER  
LOWE AVIATION SERVICES

WO# 53432

/N#: 31121

F.A.A. Repair Station # ETER699D

ALTIMETER MAKE

GDU 700/1060

PART NUMBER

011-03457-01

SERIAL NUMBER

3MD200100

ALTITUDE	SCALE ERROR	FRICTION ERROR	AFTER EFFECT (30)		
(20) -1000	Ø		CASE LEAK (100 FT.) <u>Ø</u>		
(20) 0	Ø		HYSTERESIS		
(20) 500	Ø			UP	DOWN
(20) 1000	Ø	(70) /	ALTITUDE	READING	READING
(25) 1500	Ø		<u>8,000</u>	<u>8,000</u>	<u>8,000</u>
(30) 2000	Ø	(70) /	<u>10,000</u>	<u>10,000</u>	<u>10,000</u>
(30) 3000	Ø	(70) /	BARO. SCALE ERROR		
(35) 4000	Ø		(-1727)	28.10	Ø
(35) 5000	Ø	(70) /	(-1340)	28.50	Ø
(40) 6000	Ø		(-863)	29.00	Ø
(60) 8000	Ø		(-392)	29.50	Ø
(80) 10000	Ø	(80) /	(0)	29.92	Ø
(90) 12000	Ø		(+531)	30.50	Ø
(100) 14000	Ø		(+893)	30.90	Ø
(100) 15000		(90) /	(+974)	30.99	Ø
(110) 16000	Ø		LIGHTS: <input checked="" type="checkbox"/>	VIBRATOR: <u>NA</u>	
(120) 18000	Ø		ENCODER: <input checked="" type="checkbox"/>	POSITION ERROR: <input checked="" type="checkbox"/>	
(130) 20000	Ø	(100) /			
(140) 22000	/				
(155) 25000	/	(120) /	DATE TESTED: <u>7/12/23</u>		
(180) 30000	/	(140) /			
(205) 35000	/	(160) /	TECHNICIAN: <u>Mike Lester</u>		
(230) 40000	/	(180) /			
(255) 45000	/				
(280) 50000	/	(250) /			
Transponder Make: <u>GTX-33ES</u>			P/N: <u>011-00779-30</u>		S/N: <u>89104359</u>
Encoder Make: <u>See above</u>			P/N: <u>See above</u>		S/N: <u>See above</u>
Test Set Altitude			Transponder Altitude (Mode C)		
0			Ø		
10000			<u>10,000</u>		
20000			<u>29,000</u>		
30000			/		

Tested in compliance with Appendix E, Part 43, FAR Regulations

Certified to 20,000 ft.

HOBBS: 1185.6 TACH: \_\_\_\_\_

**Gardner Lowe Aviation Services**

500 Aviation Way, B-5, Peachtree City, GA 30269

Phone: 478-788-3991 OR 770-631-0650 Fax: 770-631-0603



# Weight / Balance & Equipment List Revision

Page #: 1

**Low Aviation Services LLC - ETER699D**

dba Gardner Lowe Aviation Services, PO Box 2749

Peachtree City, Ga 30269 Tel: 770-631-0650

A/C Tail #: N31121

Register Name: TIME SAVER AVIATION LLC

Name 2:

Address 1: 681 HARBOOUR SHORES DR

Address 2:

City, State, PC: JACKSON, GA 30233

A/C Make: BEECH

A/C Model: A36

A/C Serial #: E-2428

WO Ref #: 53432

WB Date: Jul-14-2023

WB ID #: 548

Model # Serial #	Description Part #	(LB / IN) Weight	CG/Arm	Moment
Previous data ->				
REMOVED ITEMS -----				
1G9-38	PRESSURE INDICATOR			
7AC-96	58-380017-3			
212CW	VACUUM PUMP			
172876	212CW			
563-100	OIL TEMP PRESSURE INDICATOR			
178R	563-100			
563-119	TACHOMETER INDICATOR			
054R	563-119			
563-221	FUEL FLOW INDICATOR			
033R	563-221			
563-224	FUEL QUANTITY INDICATOR			
542	563-224			
563-224	FUEL QUANTITY INDICATOR			
496	563-224			
6411	MANIFOLD PRESSURE GUAGE			
800	6411			
68825-1127	CHT/EGT			
W7915HM	68825-1127			
7040	VERICAL SPEED			
1033b	7040			
8130	AIRSPPEED			
123608	8130			
97-10334A	GPS SWITCH RELAY			
3276	INSDU11			
AA80-060	INTERCOM			
12036	AA80-060			
ARGUS 5000	MOVING MAP			
001493	5000-10-07			
EM-8013-5	TACH GENERATOR			
552B	102-389015-5			
KA-185	ANNUNCIATOR PANEL			
1472	065-0058-01			
KA-51B	SLAVING ACCESSORY			
10306	071-1242-00			
KAS-297B	ALTITUDE SELECTOR			
20930	065-0065-01			
KC-192	FLIGHT COMPUTER			
50767	065-0042-03			
DI-872	DME INDICATOR			
9656	066-1069-00			
KEA-130A	ENCODING ALTIMETER			
1331	066-3064-05			



# Weight / Balance & Equipment List Revision

Page # : 2

Lowe Aviation Services LLC - ETER699D

dba Gardner Lowe Aviation Services, PO Box 2749

Peachtree City, Ga 30269 Tel: 770-631-0650

A/C Tail # : N31121

Register Name : TIME SAVER AVIATION LLC

Name 2 :

Address 1 : 681 HARBOOUR SHORES DR

Address 2 :

City, State, PC : JACKSON, GA 30233

A/C Make : BEECH  
A/C Model : A36  
A/C Serial # : E-2428  
WO Ref # : 53432  
WB Date : Jul-14-2023  
WB ID # : 548

KG-102A 40827	DIRECTIONAL GYRO +.060-0015-00
KI-202 12546	VOR/LOC INDICATOR 066-3034-07
KI-250 7244	RADAR ALTITUDE INDICATOR 066-3054-01
KI-256 22639	FLIGHT COMMAND INDICATOR 060-0017-01
KI-256 22639	FLIGHT COMMAND INDICATOR 060-0017-01
KI-5254 62648	PICTORAL NAVIGATION INDICATOR 066-3046-01
KLN-94 1641	GPS 069-01034-0101
KMA-24 25205	MARKER BEACON RECIEVER 066-1055-03
KMT112 30775	FLUX DETECTOR 071-1052-00
KN-63 7632	DME TRANSCEIVER 066-1070-01
KNS-81 2668	NAV. COMPUTER 066-4010-00
KR-87 33168	ADF RECIEVER 066-1072-00
KRA10A 14173	RADAR ALTIMETER 066-1061-03
KS-270A 22448	PITCH SERVO 065-0059-02
KS-271A 32814	PRIM SERVO 065-0060-01
KS-272A 41924	TRIM SERVO 065-0061-13
KT-79 4536	TRANSPONDER 066-1053-00
KX-165 12658	COMM TRANSCEIVER/NAV RECIEVER 069-1025-04
KY-196A 1755	VHF COMM TRANSCEIVER 064-1054-30
RA2H30-9 12312-06	PRESSURE REGULATOR VALVE RA2H30-9
RAP216CW B24779	DRY AIR PUMP RAP216CW
RS08-001 4595	REMOTE SWITCH RS08-001
TC120-2D 5228	TURN CORRINATOR 507-00200-906
TSO C43B	TEMP INDICATOR



# Weight / Balance & Equipment List Revision

Page # : 3

**Lowe Aviation Services LLC - ETER699D**

dba Gardner Lowe Aviation Services, PO Box 2749

Peachtree City, Ga 30269 Tel: 770-631-0650

A/C Tail # : N31121  
Register Name : TIME SAVER AVIATION LLC  
Name 2 :  
Address 1 : 681 HARBOOUR SHORES DR  
Address 2 :  
City, State, PC : JACKSON, GA 30233

A/C Make : BEECH  
A/C Model : A36  
A/C Serial # : E-2428  
WO Ref # : 53432  
WB Date : Jul-14-2023  
WB ID # : 548

1951	EGT-701-4C
WX-1000	STORMSCOPE
UWP10800434	78-8060-5790-3
WX-1000	STORMSCOPE
UXD108N0308	78-8051-9170-3

REMOVED SUB TOTAL 47 Items @

## INSTALLED ITEMS -----

5MZ112752	KIT, GI275 ADAHRS, Class I/II 010-02326-10
89104359	GTX-33 WITH EXTENDED SQUITTER 011-00779-30
47978822	GTP59, SUB ASSY 011-00978-00
22T006059	GDL88 REMOTE 011-02369-00
1UF206277	GMA350C PANEL MT 011-02385-40
38H202464	GMC605 UNIT ONLY 011-02967-02
3LP001347	GDU 700L,G500 TXi,BLACK system 011-03307-20
3M5004656	GDU 1060,G500 TXi AHRS SYSTEM 011-03308-30
68L003135	GEA 110 -01, UNIT ONLY 011-03454-01
3MD200100	GDU 700/1060 ADC,G500 011-03457-01
402020212	FLIGHT STREAM 510 (010-01322-01) 011-03595-00
4JM007954	GSA87 SERVO, UNIT ONLY 011-03780-00
4JM007955	GSA87 SERVO, UNIT ONLY 011-03780-00
4JM007908	GSA87 SERVO, UNIT ONLY 011-03780-00
4JM007958	GSA87 SERVO, UNIT ONLY 011-03780-00
4WT007117	GMU 44B, UNIT ONLY 011-04201-00
5FP051032	GTN650XiBLACK,STANDARD 011-04631-01
5FR051243	GTN750XI, BLACK STD SYSTEM 011-04634-01
221877	ANTENNA, WAAS GA35 WHITE 013-00235-00



# Weight / Balance & Equipment List Revision

Page # : 4

**Lowe Aviation Services LLC - ETER699D**

dba Gardner Lowe Aviation Services, PO Box 2749

Peachtree City, Ga 30269 Tel: 770-631-0650

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City, State, PC : JACKSON, GA 30233

A/C Make : BEECH

A/C Model : A36

A/C Serial # : E-2428

WO Ref # : 53432

WB Date : Jul-14-2023

WB ID # : 548

ANTENNA, WAAS GA35 WHITE

013-00235-00

UMA SENDING UNIT

T1A9-1

222227

BS170

INSTALLED SUB TOTAL

21 Items @

NEW DATA >>

Authorized Individual : ETER699D MATTHEW PLATT



**Weight / Balance & Equipment List Revision** Page # : 1

Lowe Aviation Services LLC - ETER699D

dba Gardner Lowe Aviation Services, PO Box 2749

Peachtree City, Ga 30269 Tel: 770-631-0650

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Name 2 :  
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City, State, PC : JACKSON, GA 30233

A/C Make : BEECH  
A/C Model : A36  
A/C Serial # : E-2428  
WO Ref # : 53432  
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WB ID # : 556

**This Aircraft has been re-weighed using the following computations.**

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Un-useable Fuel					
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Other 3					
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NO ITEMS REMOVED

NO ITEMS INSTALLED

NEW DATA &gt;&gt; NEW USEFUL LOAD = 1328.00 2505.00 83.06 208063.70

  
Authorized Individual : ETER699D LANE MITCHELL





Aspen Avionics, Inc.  
5001 Indian School NE  
Albuquerque, NM 87110 USA

**FAA APPROVED**  
**AIRPLANE FLIGHT MANUAL SUPPLEMENT**  
**or**  
**SUPPLEMENTAL AIRPLANE FLIGHT MANUAL**  
**for the**  
**ASPEN AVIONICS EVOLUTION FLIGHT DISPLAY SYSTEM**  
**EFD1000 PRIMARY FLIGHT DISPLAY**  
**Optionally with**  
**EFD1000 AND/OR EFD500 MULTI-FUNCTION DISPLAYS**  
**or**  
**Aspen Evolution Backup Display**

The information contained in this Supplement must be attached to the FAA Approved Airplane Flight Manual or placed with the Pilot's Operating Handbook or other operating information when the Aspen EFD1000 PFD and optionally the Aspen EFD1000 MFD and/or EFD500 MFD are installed in accordance with AML STC SA10822SC. This document must be carried in the aircraft at all times.

The information in this Supplement supplements or supersedes the information in the FAA Approved Airplane Flight Manual or other operating information only as set forth herein.

For limitations, procedures, and performance data not contained in this Supplement, consult the Airplane Flight Manual or other operating information.

Airplane Make: Beech  
Airplane Model: A36  
Airplane Registration Number: N31121  
Airplane Serial Number: E-2428

FAA APPROVED By: Charles Wilcox for Monica Merritt

Manager, Southwest Flight Test Section, AIR 713  
Federal Aviation Administration  
Fort Worth, TX

Charles  
Melvin  
Wilcox Jr

Digitally signed  
by Charles  
Melvin Wilcox Jr  
Date: 2021.07.02  
12:11:20 -05'00'

DOCUMENT REVISIONS FAA APPROVED PAGES

Document Revision	FAA Approved Pages Revised	Description of Change	FAA Approval Date	ECO
Earlier revisions are on file				
AE	All	Added software version 2.10 (MAX) features.	None	5712
AF	All	Weather and obstacle limitations added. Explained the difference between the Aspen-branded "VFR Model" PFD and VFR operations. Added clarifications of system features.	None	5751
AG	All	Clarified the "VFR Model" and software 2.10 (MAX). Re-ordered and clarified certain limitations for readability. Added EBB Emergency switch information in Section 3.1.1. Typographical corrections.	None	5782
AH	All	Clarified Abnormal Procedure 3.2.10, Continuous EFD1000 or EFD500 System Reset.	28 June 2019	5789
AJ	All	Updated to include Extended-Duration internal battery	None	6198
AK	All	Revised the Extended-Duration battery term to 30 minute battery. Corrected document numbers in section 7.1.	None	6215
AL	All	Removed step 3 from section 3.2.8.	None	6220
AM	All	Added a caution heading below section 3.2.8 to the statement regarding turning on the EFD1000 in flight with a pitot blockage and an invalid integrated GPS system.	17 Dec 2020	6236
AN	All	This revision was incorporated into rev AP.	None	6317
AP	All	<p>Resolve formatting errors seen only in the pdf rendition of revision AN.</p> <p>Added the permitted configuration for a single EFD1000 Pro MAX PFD and partial panel instruments for Class I and II airplanes.</p> <p>Revised system nomenclature throughout the document for consistency.</p> <p>Updated MAX software 2.10 version references to 2.10.2.</p> <p>Revised Section 1.1.</p> <p>Revised Section 1.2. Added Table 3 "Installed Features and Integrations".</p> <p>Revised Section 2.1.</p> <p>Revised Section 2.2, Item 12. Also added this must be carried in aircraft at all times.</p> <p>Revised Section 2.3, Item 11.</p> <p>Revised Section 2.4, Item 1.</p> <p>Revised Section 3.2.3.</p> <p>Revised Section 3.2.5.</p> <p>Added the "ATT FAIL SOON" PFD annunciation in Table 5, page 39.</p> <p>Revised Section 4.2.</p> <p>Added Section 7.1.5.</p> <p>Restored coloring in Tables 7 and 8.</p> <p>Added AOA color bands to Table 13.</p>	<p>02 July 2021</p> <p><i>CMW</i></p> <p>Charles Melvin Wilcox Jr</p> <p>Digitally signed by Charles Melvin Wilcox Jr Date: 2021.07.02 12:10:36 -05'00'</p>	6354
<p>Prepared By: Penny Heinz</p> <p>Reviewed By: David Bibby</p> <p>See ECO Record for Release Authorization</p>				





U.S. Department of Transportation  
Federal Aviation Administration

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

Form Approved  
OMB No. 2120-0020  
11/30/2007

Electronic Tracking Number

For FAA Use Only

**INSTRUCTIONS:** Print or type all entries. See Title 14 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

N31121

Serial No.

E-2428

Make

BEECH

Model

A36

Series

2. Owner

Name (As shown on registration certificate)  
TIME SAVER AVIATION LLC

Address (As shown on registration certificate)  
681 HARBOUR SHORES DR  
JACKSON, GA  
30233 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

Lowe Aviation Services LLC  
dba Gardner Lowe Aviation Services  
500 Aviation Way, B-5  
Peachtree City, Ga 30269 USA

##### B. Kind of Agency

<input type="checkbox"/> U. S. Certificated Mechanic	Manufacturer
<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
<input checked="" type="checkbox"/> Certificated Repair Station	RS # ETER699D
<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 ☐

Signature/Date of Authorized Individual

MATTHEW PLATT  
28-July-2023

#### 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

FAA Fit Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
BY	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization
		Other (Specify)	

Certificate or Designation No.  
ETER699D

Signature/Date of Authorized Individual

MATTHEW PLATT  
28-July-2023