

1. Approving Civil Aviation Authority/Country:
 FAA/United States

2.

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:
 19-0057

4. Organization Name and Address:
 COX AIRPARTS, LLC 3707 W 30th STREET SOUTH WICHITA, KANSAS 67217

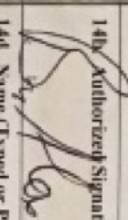
5. Work Order/Contract/Invoice Number:
 19-0057

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	POWER PACK	9881124-1	1	5718	OVERHAULED

12. Remarks:
 UNIT WAS OVERHAULED AND FUNCTIONAL TESTED IAW CESSNA 210 PARTS MANUAL P637-12 1/25/1982; ORIGINAL ISSUE TR1-12 (1/01/1993); TR2-12 (4/03/1995) AND CESSNA 210 SERVICE MANUAL D2004R5-13 7/1/2004; REV. 5 TR10-13 (1/15/2008); TR11 (8/01/2011); TR12 (10/01/2011). NO DEFECTS WERE NOTED. -----

13a. Certifies the items identified above were manufactured in conformity to:
 Approved design data and are in a condition for safe operation.
 Non-approved design data specified in Block 12.

14a. 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:	14c. Approval/Certificate No.:
			7CXR376B
13d. Name (Typed or Printed):	13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed):	14e. Date (dd/mm/yyyy):
		BRYAN A COX	11/FEB/2019

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.

AIRCRAFT EQUIPMENT LIST AMENDMENT AND WEIGHT & BALANCE REPORT

Aircraft Data

Manufacturer: Cessna
Model: R182
Serial Number: R18200616
Registration: N4873R
Max. Takeoff Weight: 3,100.0
Aft C.G. Limit: 47.0
Forward C.G. Limit: 33.0

Corvallis Aero Service, CRS V56R854K

5695 SW Airport Place
 Corvallis Municipal Airport (CVO)
 Corvallis, OR 97333
 Phone (541)753-4466

Date: 9/22/10
Work Order: 10-3514
Prepared by: Cecil Wells

Previous Useful Load: 1,232.5

Superseded Report Date: 11/4/2000

Weight	Arm	Moment
1,867.5	35.4	66,053.1

REMOVED EQUIPMENT

Manufacturer	Model	Description	Part Number	Serial Number	Weight	Arm	Moment
Garmin International	GA 56	GPS Antenna	013-00134-00		0.3	103.0	25.8
Garmin International	GNS 530	GPS/Nav/Comm	011-00550-00		7.0	61.9	433.3
TOTALS, REMOVED ITEMS:					7.3		459.1

ADDED EQUIPMENT

Manufacturer	Model	Description	Part Number	Serial Number	Weight	Arm	Moment
Garmin International	GA 35	GPS Antenna	013-00235-00		0.3	103.0	25.8
Garmin International	GNS 530W	WAAS/GPS/Nav/Comm	011-01064-40		7.0	61.9	433.3
TOTALS, ADDED ITEMS:					7.3		459.1

Max. Takeoff Weight: 3100.0
Aft C.G. Limit: 47.0
Forward C.G. Limit: 33.0

New Useful Load: 1,232.5
New C.G.: 35.4

Weight	Arm	Moment
1,867.5	35.4	66,053.1

TECHNICAL ELECTRONICS, INC.,
17144 THURS FOUNDRY AIRPORT
RD 21, BOX 2121A
CASTLE BROOK, PA. 15001

AVIONICS SALES AND REPAIR
AIRCRAFT MAINTENANCE
O.R.C. # 3119085
phone: 570-475-6226

REVISED WEIGHT AND BALANCE DATA

Make	Model	Serial #	Reg. #
CESSNA	441B	218209415	N4870R
Make	Model	Serial #	Reg. #
Make	Model	Serial #	Reg. #
Make	Model	Serial #	Reg. #

EQUIPMENT REMOVED:

Item	Weight	Arm	Moment
CESSNA AUDIO CONTROL	-2.00	13.00	-25.00
PINE 12H-72 VCR/LDC CONVERTER	-1.50	134.00	-201.00
CESSNA R-440B 6/3 RCVR	-4.60	88.90	-408.94
SPC-400 1CS	-0.50	16.00	-8.00
CESSNA RT-385A NAV/COM	-2.30	13.00	-107.90
CESSNA R-402A MKR RCVR	-2.70	70.80	-191.16
CESSNA R-546E ADF SYSTEM	-8.50	22.10	-187.85
GARMIN GPS-150 SYSTEM	-2.80	13.00	-36.40

EQUIPMENT INSTALLED:

GARMIN CNS-530 SYSTEM	9.50	13.00	110.50
GARMIN BMA-340 AUDIO CONTROL	1.70	13.00	25.50

SUPERSEDED

Date 9/22/10
By [Signature]
Corvallis Aero Service
FAA CRS V56R854K

1867.49	35.37	66053.62
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LOAD AIRCRAFT IN ACCORDANCE WITH REVISED WEIGHT AND BALANCE DATA

GROSS WEIGHT:	3100.00 lbs.
EMPTY WEIGHT:	1867.49 lbs.
USEFUL LOAD	1232.51 lbs.
MAXIMUM TAKEOFF WEIGHT	3537 lbs.

[Signature]
AVIONICS SALES AND REPAIR
O.R.C. # 3119085
Date: 11/04/00

11/04/00 @ 2217.1 TACH

CESSNA AIRCRAFT COMPANY

WICHITA, KANSAS

Weight & Balance and Installed Equipment Data

CONTROL NUMBER	DATE	MODEL	REGISTRATION NUMBER	CESSNA SERIAL NUMBER
920011	08/29/78	SKYLANE NO 11	N4873K	110200610

ITEM	WEIGHT	ARM	MOMENT
STANDARD AIRPLANE (EMPTY, DRY) COMPUTED	1696.2	34.3	58180
INCLUDING ALL REQUIRED AND STANDARD EQUIPMENT ITEMS			
POSSIBLE FUEL 40.0 GALLONS	24.0	48.0	1152
OIL OIL 9.0 QUARTS	10.9	10.7-	200-
STANDARD EMPTY WEIGHT	1737.1	34.0	59067
OPTIONAL EQUIPMENT REPLACING OR IN ADDITION TO EQUIPMENT AND STANDARD EQUIPMENT ITEMS			
C-375C CAROLINE RED-MAJOR			
C-375B FLAG RED-ACCENT			
C-375-2 EDONY BLACK LEATHER			
AUDIO AVIONICS KIT	2.0	02.0	120
DOA NAVOMATIC INCL CREDIT FOR TURN CURNS	0.2	00.1	40+
DO W/C RT300A 720 COM 200 NAV VOR/LOC	0.2	00.0	700
DO ACF W/OFD R340E	0.0	22.0	107
DO TRANSPONDER RT300A LOW ALTITUDE	0.0	22.0	100
DETECTORS, NAVIGATION LIGHTS	0.2	11.0	72
LIGHT CONTROLS, DUAL			
ROUND SERVICE PLUG RECEPTACLE	0.1	0.0	0
BATING SYSTEM, STALL WARNING & PITOT (EXCH.)	0.1	0.0	0
INDICATOR, TRUE AIRSPEED (EXCH)	0.0	20.0	0
LIGHT, BEACON, OMNI-FLASH	0.2	10.0	0
LIGHTS, COURTESY	1.0	20.0	570
BEACON BEACON	0.0	01.0	0
BATTERY SOURCE, ALTERNATE	0.0	104.0	0
ANTENNA AND COUPLER	0.0	14.0	0
DO W/C RT300A VOR/LOC (2ND UNIT)	1.1	07.1	0
DO MARKER BEACON, R402A	0.0	10.0	100
DO GLIDESLOPE R440B 40 CH. INCL. VENT/LS (EACH)	2.7	10.0	100
LATITUDE ENCODER, BLIND	4.0	08.0	400
LOCK DIGITAL (EXCH)	1.0	10.0	20
CONTROL WHEEL, ALL PURPOSE, (EXCH.)			
APPROACH PLATE HOLDER	0.2	11.0	0
INDICATOR, CAPSULETOK AIR TEMPERATURE	0.1	21.0	0
MICROPHONE/HEADSET COMBINATION	1.2	20.0	10
HEADREST, 2 EACH FRONT			
INDICATOR, ECONOMY MIXTURE	1.0	41.0	80
LIGHTS, INSTRUMENT POST	0.1	0.2	0
LIGHTING, ELECTROLUMINESCENT PANEL	0.0	11.0	0
LIGHTS, STRIKE	2.1	10.0	0
BATTERY KIT, ANTI-PRECIPITATION	0.0	44.4	100
CLOCKER, FLIGHT HOUR	0.4	100.0	0
SEATBELT, INERTIA REEL, SHOULDER/SEAT BELT SYSTEM	0.0	7.0	0
SEAT PILOTS ARTICULATING RECLINE VERT. ADJ. (EXCH)	0.0	92.0	0
SEAT, PASSENGER ARTICULATING RECLINE VERT. ADJ. EXC	11.0	00.0	424
VENTILATION SYSTEM, REAR SEAT	11.0	00.0	424
	0.0	00.0	224

CESSNA AIRCRAFT COMPANY

WICHITA, KANSAS

Weight & Balance and Installed Equipment Data

CONTROL NUMBER	DATE	MODEL	REGISTRATION NUMBER	CESSNA SERIAL NUMBER
920011	08/29/78	SKYLANE RG 11	1407JK	R1020010

ITEM	WEIGHT	ARM	MOMENT
WINDOWS, TINTED SKYLIGHTS	1.4	40.0	56
WINDOW, HINGED RH	2.3	47.0	108
DOOR/LOC IND. W/AUTOMATIC RADIAL CENTERING LOCK	.2	10.0	2
SMOKE EXTINGUISHER	3.5	29.0	102
BASIC EMPTY WEIGHT	1857.0	34.6	64249
USEFUL LOAD	1243.0		
MAXIMUM TAKE-OFF WEIGHT	3100.0		

SUPERSEDED

Date 11/4/00

By Airborne Electronics

~~Corvallis Aero Service~~

~~FAA GRS V56R854K~~



US 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 N4873R	Serial No. R18200616	
	Make Cessna	Model R182	Series Skylane RG
2. Owner	Name (As shown on registration certificate) E-Commerce Management Services, Inc.	Address (As shown on registration certificate) Address: 812 Waverly Street City: Eugene Zip: 97401-5232	
		State: OR	Country: United States

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
	X	AIRFRAME		(As described in item 1 above)	
		POWERPLANT			
		PROPELLER			
		APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address Honey B LLC, dba Corvallis Aero Service 5695 SW Airport Place Corvallis, OR 97333	B. Kind of Agency <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Certificated Maintenance Organization	C. Certificate No. V56R854K
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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 Cecil Wells <i>Cecil Wells</i> 9/22/10
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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 Transport Canada Airworthiness Group
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. V56R854K	Signature/Date of Authorized Individual Cecil Wells <i>Cecil Wells</i> 9/22/10
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US Department
of Transportation
Federal Aviation
Administration

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

Form Approved
DAB 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 N4873R	Serial No. R18200616	
	Make Cessna	Model R182	Series Skylane RG
2. Owner	Name (As shown on registration certificate) E-Commerce Management Services, Inc.	Address (As shown on registration certificate) Address: 812 Waverly Street City: Eugene State: OR Zip: 97401-5232 Country: United States	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
	X	AIRFRAME		(As described in item 1 above)	
		POWERPLANT			
		PROPELLER			
		APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address Honey B LLC, dba Corvallis Aero Service 5695 SW Airport Place Corvallis, OR 97333	B. Kind of Agency	C. Certificate No.
	<input type="checkbox"/> U.S. Certificated Mechanic	V56R854K
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input checked="" type="checkbox"/> Certificated Repair Station	
	<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 Cecil Wells <i>Cecil Wells</i> 9/22/10
--	---

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 Transport Canada Airworthiness Group
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. V56R854K	Signature/Date of Authorized Individual Cecil Wells <i>Cecil Wells</i> 9/22/10
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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 aircraft nationality and registration mark and date work completed.)

N4873R

9/22/10

Nationality and Registration Mark

Date

This aircraft is listed on the Approved Model List for STC SA01933LA-D and STC SA1695SE. Recorded existing system configuration. Removed Garmin GNS 530 GPS/Nav/Comm, p/n 011-00550-10. Shipped to manufacturer. Inspected existing installation for compliance with STC SA01933LA-D. System complied with STC requirements. Tested existing comm, nav, and glideslope antenna systems. No fault found. Inspected existing GPS antenna installation for compliance with STC SA1695SE. Found existing GPS antenna coaxial cable did not comply with STC requirements. Replaced cable with newly fabricated RG-400 coaxial cable assembly to comply with STC requirements. Removed existing Garmin GA 56 GPS Antenna, p/n 011-00134-00. Found universal head rivets protruding into antenna footprint area. Fabricated, metal-prepped, Alodined, and installed a spacer to lift the GPS antenna above the rivet heads. Installed new GA 35 WAAS/GPS Antenna, p/n 013-00235-00. Reinstalled GNS 530W WAAS/GPS/Nav/Comm, modified to p/n 011-01064-40 by manufacturer. Initialized and configured system per Garmin manual p/n 190-00357-02, rev. G. Placed a copy of the 500W Series FAA-approved Airplane Flight Manual Supplement, Garmin p/n 190-00357-03, rev. B, into the Pilot's Operating Manual. Amended the aircraft weight and balance data and equipment list. Placed a 500W Series Pilot's Guide and Reference, p/n 190-00357-00, rev. G, and Quick Reference, p/n 190-00357-01, rev. F, into the aircraft. These documents must be immediately available to the flight crew at all times. Placed a copy of the 500W Series Instructions for Continued Airworthiness, p/n 190-00357-65, rev. B, into aircraft maintenance records. Installed a placard "GPS OPERATION IS LIMITED TO VFR" on aircraft instrument panel. This placard may be removed following a successful test flight of the GPS and a logbook entry made by the Pilot in Command.

Pertinent details of this alteration on file at Corvallis Aero Service, CRS V56R854K, under Work Order 10-3514.

***** End *****

Handwritten signature

Handwritten signature

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate

Number SA01933LA-D

This certificate issued to Garmin International, Inc.
1200 East 151st Street
Olathe, KS 66062

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.*

Original Product - Type Certificate Number:

Make:

Model:

*See attached Approved Model List (AML)
No. SA01933LA-D for list of approved aircraft
Models and applicable airworthiness regulations.

Description of Type Design Change: Installation of Garmin Model 400W / 500W Series GPS-WAAS Navigation System in accordance with FAA Approved Garmin 400W Series Master Data List, Drawing No.: 005-C0221-00, Revision "B", dated October 1, 2007, or later FAA approved revision; or FAA Approved Garmin 500W Series Master Data List, Drawing No.: 005-C0221-01, Revision "B", dated October 1, 2007, or later FAA approved revision. Use applicable FAA approved 400W Series Airplane Flight Manual Supplement, document No. 190-00356-03, Rev. "Original", dated November 20, 2007 or later FAA approved revision; FAA Approved 500W Series Airplane Flight Manual Supplement document No. 190-00357-03, Rev. "Original", dated November 20, 2007 or later FAA approved revision; or FAA approved Airplane Flight Manual supplement as defined in Master Data List 005-C0221-00 or 005-C0221-01 defined above.

Limitations and Conditions: This approval should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previous approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: January 31, 2006

Date reissued: July 31, 2009

Date of issuance: November 6, 2006

Date amended: November 20, 2007



By direction of the Administrator

David G. Armstrong
(Signature)

David Armstrong
ODA STC Unit Administrator
ODA-240987-CE
Garmin International, Inc

(Title)

Supplemental Type Certificate

Number SA01695SE

This certificate, issued to **Garmin AT, Inc.**
2345 Turner Road SE
Salem, OR 97302

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part * of the * Regulations.

Original Product—Type Certificate Number: *See attached Approved Model List (AML)
Make: No. SA01695SE for list of approved aircraft
Model: models and applicable airworthiness regulations.

Description of the Type Design Change: Installation of antenna models identified in the Master Data List in accordance with Garmin Supplemental Type Certificate Master Data List, P/N 005-C0373-00, Revision D, dated August 21, 2006, or later Federal Aviation Administration approved revision.

Limitations and Conditions: Compatibility of this design change with previously approved modifications must be determined by the installer. A copy of this certificate must be maintained as part of the permanent records for the modified aircraft. This STC is for physical installation only. For operational Airworthiness approval refer to data for the interfaced receiving equipment.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: March 3, 2006

Date reissued:

Date of issuance: August 31, 2006

Date amended: February 15, 2007



By direction of the Administrator
[Signature]
(Signature)
Acting Manager, Seattle Aircraft
Certification Office
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.



October 3, 2006

RE: STC Permission to use STC SA01695SE for Garmin Antennas

Consistent with Order 8110.4B and AC 21-40, Garmin AT, Inc. grants permission to Garmin dealers, installers, and owners of the Garmin antennas listed in the STC Installation Manual (190-00569-00) to use STC SA01695SE and the data associated with it, for the sole and express purpose of installation and approval of installation of the Garmin antennas listed in the STC Installation Manual (190-00569-00).

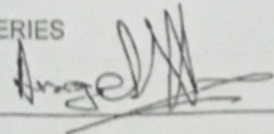
John Macnab, General Manager
Garmin AT, Inc.

Garmin AT, Inc.
2345 Turner Rd., S.E.
Salem, OR 97302
P: 503.581.8101 F: 503.364.2138
www.garminat.com

FAA Approved Model List (AML) No. SA01695SE

FOR INSTALLATION OF GARMIN GA ANTENNA SERIES

FAA Approved: _____



Acting Manager, Seattle Aircraft
Certification Office

Date Issued: _____

8/1/06