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PILOT'S GUIDE



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U.S. Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only
Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 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. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Cessna	Model 150L
	Serial No. 15072412	Nationality and Registration Mark N6912G
2. Owner	Name (As shown on registration certificate) Aerial Services, Inc.	Address (As shown on registration certificate) 1217 Midland Drive Kingsport, TN 37664

3. For FAA Use Only

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

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
James E. Shupe 1712 Whispering Hills Kingsport, TN 37660	☒ U.S. Certified Mechanic	AP414840275
	☐ Foreign Certified Mechanic	
	☐ Certified Repair Station	
	☐ Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

Date 7/11/90	Signature of Authorized Individual <i>James E. Shupe</i>
------------------------	---

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	☒	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection 7/11/90	Certificate or Designation No. 415869827	Signature of Authorized Individual <i>Michael C. Holt</i>
---	--	--

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. All alterations shall 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.)

Inspected installation of Bracket Air Filter, Kit No. BA4106.
Complied with AD 81-15-03. Kit proved to be serviceable and
installation was accomplished in accordance with manufacturers
instructions as approved by STC SA71GL.

END

7/11/90

James E. Shupe

James E. Shupe

AP414840275

BRACKETT AIR FILTERS

INSTRUCTIONS

ASSEMBLY PART NO. BA-4106

APPROVED ON AIRCRAFT MODELS: SEE FAA APPROVED APPLICABILITY LIST.

FAA APPROVAL DATA: STC-3A710L List No. 1
FAA-PMA Supplement No. 1

Your new polyurethane air filter has been designed to give maximum dust collecting efficiency, good air flow, lightweight, and economical element replacements. The element has been treated with a special treatment called a wetted agent and is approximately 98% efficient. The special wetted agent is the secret to the efficiency of capturing dust and repelling water. The element has also been treated with a fire retardant. For the above reasons replace the element each 100 hours of use or every 12 months or when 50% covered with foreign material. Do NOT wash and reuse.

INSTALLATION INSTRUCTIONS

- Step 1. Remove existing filter and gasket from carburetor heat box and discard.
- Step 2. Inspect heat box for condition making sure valve shaft and bushing is not worn. If unairworthy, repair with kit or replace worn carburetor heat box.
- Step 3. Snip or file off cam lock stops. These may be worn or broken off already.
- Step 4. Attach filter frame to carburetor heat box with 4 each screws, nuts and washers (furnished). Torque each nut to where the neoprene gasket is compressed to 1/2 of its original thickness.
- Step 5. Install filter element P.N. BA-4108 into frame, making sure the taper of element is the same as the taper of the frame and contact is being made on all sides. NOTE: Squeeze out all excess wetting prior to installing.
- Step 6. Install grill with the 2 short screws AN 526-832-6. Place the grill so the grill is pressed against the element. The smooth part of the tabs will be facing forward. Use 2 ea. MS35383-38 internal lock washers under screws.

Servicing: Under normal conditions, replace filter element, P/N BA-4108 after 100 hours use or 1 year intervals. Under severely dusty conditions, check daily and replace when element is 50% covered with foreign material.

Instruction Sheet
Part No. BA-4105
Date: Rev. 7-3-78

Mfg. by:
Brackett Aircraft Co., Inc.
Kingman, AZ



2. Approved
Date: July 2, 1964

1955-1956

1462200

Handwritten signature 50-10-1021

© 2000 by The McGraw-Hill Companies, Inc.

மேலும், இவ்வாறு தீர்மானம் செய்து, அதற்கான நடவடிக்கை மேற்கொள்ளப்படும்.

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Figure 1. *Figure 1. Figure 1. Figure 1. Figure 1. Figure 1.*

Do these two agree on a common scale? Justify.

Pharmaceuticals and the Food-Drug-Administration

Reptiles and Amphibians are subject to the same assembly with the same assembly.
Reptiles and Amphibians are subject to the same assembly with the same assembly.

These two Approved Model 1000(s) form a part of the certificate.

The above information is being furnished to you for your information only. It is not intended to be used for any other purpose. The information is being furnished to you for your information only. It is not intended to be used for any other purpose. The information is being furnished to you for your information only. It is not intended to be used for any other purpose.

~~The attached report is being submitted to the Bureau as a confidential source of information.~~

...and

Journal of Management Education 34(1)

[illegible]

Verantwortung der Eltern:

2000-01-01 00:00:00 00:00:00



17. Journal of the Commissioners,

PROPERTY OF THE U.S. GOVERNMENT

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0000-0001-8342-1000

[illegible]

Inspector	FA	
FAA Designer	Repair Station	Person Approved by Transport Canada Authorities
Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Person
7/11/90	4158698	<i>M. J. [Signature]</i>



U.S. Department
of Transportation
Federal Aviation
Administration

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

Form Approved

CME No. 2-21-105

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.3-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalties not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Cessna	Model 150L
	Serial No. 15072412	Nationality and Registration Mark N6912G
2. Owner	Name (As shown on registration certificate) Aerial Services, Inc.	Address (As shown on registration certificate) 1217 Midland Drive Kingsport, TN 37664

3. For FAA Use Only

4. Unit Identification

E. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
James E. Shupe 1712 Whispering Hills Kingsport, TN 37660	☒ U.S. Certificated Mechanic	414840275
	☐ Foreign Certificated Mechanic	
	☐ Certificated Repair Station	
	☐ Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

Date 7/11/90	Signature of Authorized Individual <i>James E. Shupe</i>
------------------------	---

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Ftl. Standards Inspector	Manufacturer	☒ Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 7/11/90		Certificate or Designation No. 415869827	Signature of Authorized Individual <i>Mich C...</i>	

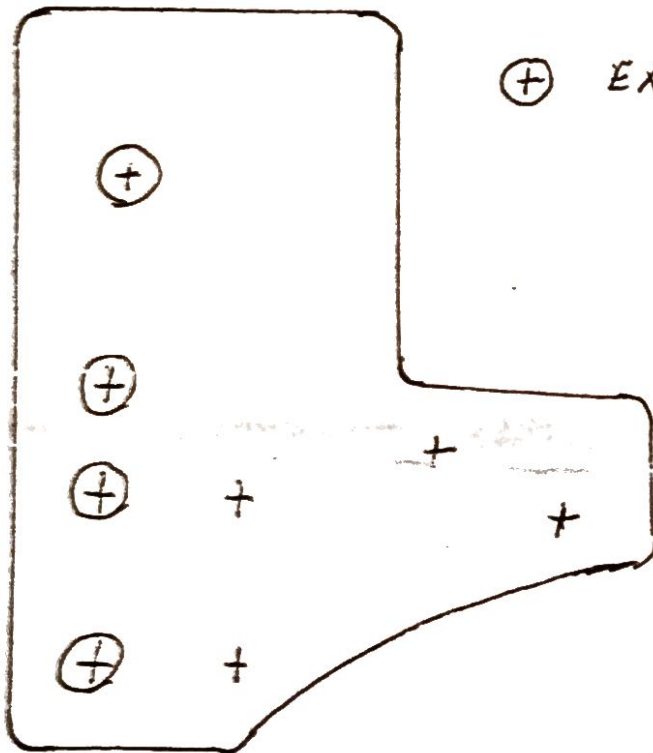
NOTICE

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.

B. Description of Work Accomplished

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

Installed skin repair, bottom of right wing, at aft side of wing strut attach point. Patch manufactured from .020 2024-T3 Alclad, using original fastener holes where indicated, using CR3243-4 rivets of proper grip length. Completed in accordance with Cessna 150 Service Manual, Section 18 and AC 43.13-1A, Section 3.



⊕ Existing fastener Holes

END

7/11/90

James E. Shupe
James E. Shupe
414840275

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

Form Approved
OMB No 2120-0020

For FAA Use Only
Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.3, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and designation of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation. Section 301 Federal Aviation Act of 1958.

Aircraft	Name CESSNA	Model 150
	Serial No. 15072412 (As shown on registration certificate)	Nationality and Registration Mark 6912G
Owner	Address (As shown on registration certificate) 17 CACTUS LANE CUMMING GA 30130	

3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Name	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				
POWERPLANT					X
PROPELLER					
APPLANCE					

6. Conformity Statement

A. Agency's Name and Address ROBERT C McFARLAND 2924 BERRY AVE SMYRNA GA 30082	B. Kind of Agency	C. Certificate No.
	☒ U.S. Certificated Mechanic	274308584
	☐ Foreign Certificated Mechanic	
	☐ Certified Repair Station	
	☐ Manufacturer	

I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

Date 11-9-94	Signature of Authorized Individual <i>Robert C McFarland</i>
------------------------	---

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

FAA Field Standards Inspector	Manufacturer	☒ Inspection Authorization	Other (Specify)
FAA Designee	Repair Station		
Certificate or Designation No. 11-9-94 274308584		Person Approved by Transport Canada Airworthiness Group	
Signature of Authorized Individual <i>Robert C McFarland</i>			

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An entry shall be made in the aircraft logbook to assure continued conformity with the applicable airworthiness requirements.

Description of Work Accomplished

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

11-9-94 TACH TIME 1995.0 TSMOH '0"

STC # 75595W was applied to TC E-252
TELEDYNE CMT 0200 engine Serial
69906-8-A. Installation was done
per STC Work Instructions Rev # 1
Dated April 30 1992. Filter # CH48108
was installed. Filter inst. Complete and
Engine run and leak tested. No leaks
found.

Nothing Follows.

Robert C. McFarland ASB 274308584 IA

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

Number SE7559SW

This certificate, issued to Floyd Jones
P.O. Box 3052
Borger, Texas 79008-3052

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 13 of the Civil Air Regulations.

Original Product — Type Certificate Number: E-252
Make: Teledyne
Model: C-90 Series, 0-200 Series

Description of Type Design Change:

Install adapter to permit use of a spin-on oil filter in accordance with F&M Company "Supplemental Installation Instructions for model TAF oil filter", dated March 15, 1989, or later FAA approved revision.

Limitations and Conditions:

See continuation sheet 2.

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 9, 1989

Date received:

Date of issuance: March 15, 1989

Date amended 10/24/8; 11/17/89; 11/02/90
; 04/30/92 Rev. 4

By direction of the Administrator



Mark R. Schilling
(Signature)

Mark R. Schilling, Manager
Special 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.

United States of America
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SE7559SW Rev.4

Limitations and Conditions (continued)

Compatibility of this modification with airframe equipment and structural clearances must be determined by the installer. Engines modified in accordance with this STC will not differ in performance or operating limitations for unmodified engines. Installation of the modified engine in the airframe is considered to be a minor change by definition in accordance with FAR Part 21.93. Due to the nature of the modification, no further FAA approval is required for the airplane.

Only the following filters are eligible for this installation:

Electro Systems No. ES48108
Champion No. Ch48108
Air Maze No. 204422
A.C.No. OF-53A
Continental No. 643227
Continental No. 6415842

- END -

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

FAA FORM 8110-2-1 (10-60)

This certificate may be transferred in accordance with FAR 21.47.

MAJOR REPAIR AND ALTERATION

(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
FAR No. 212A-2020

For FAA Use Only

Other Identification

INSTRUCTIONS: Performance: See FAR 43.1, 43.7, 43.9, and 43.11 for requirements regarding (b)(1) in this section and (b)(2) in this section. This report is required by FAR 43.1, 43.7, 43.9, and 43.11. Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation. (Section 807 Federal Aviation Act 1958)

1. Aircraft	Name Cessna	Model 150L
	Serial No. 1502412	Nationality and Registration Mark N5912G
2. Owner	Name (As shown on registration certificate) JAFH, Inc.	Address (As shown on registration certificate) 135 SW 105th Pl. Oklahoma City, OK 73170

3. For FAA Use Only

4. Item Identification				5. Type	
Item	Name	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)			☐	☒
POWERPLANT				☐	☐
PROPELLER				☐	☐
APPLIANCE	Type			☐	☐
	Manufacturer			☐	☐

6. Certifying Statement

A. Agency of Home and Address JAFH, Inc. Forward Garage 135 SW 105th Pl. Oklahoma City, OK 73170	B. Chief of Agency ☒ U.S. Certified Mechanic ☐ Foreign Certified Mechanic ☐ Certified Repair Station ☐ Manufacturer	C. Certificate No. 442568988
--	--	--

I, certify that the repair or alteration made to this aircraft complies with the applicable standards and specifications and the repairs or alterations have been made in accordance with the requirements of Part 43 of the FAR, Federal Aviation Regulations, and that the information furnished herein is true and correct to the best of my knowledge.

Date 02/28/2015	Signature of Authorized Individual <i>Ronald Dorough</i> Ronald Dorough
---------------------------	--

7. Approval for Return to Service

Present to the authority having jurisdiction for the aircraft. The aircraft is approved for return to service if the repairs or alterations comply with the requirements of the FAR, Federal Aviation Regulations, and the information furnished herein is true and correct to the best of my knowledge. ☒ APPROVED ☐ REJECTED

By	☐ FAA-FAA Inspector ☐ FAA Designer	☐ Manufacturer ☐ Repair Station	☒ Inspection Authority ☐ Return Approved by Transport ☐ Design Authority Group	Other (Specify)
Date of Registration Transfer 02/28/2015		Signature of Authorized Individual <i>Ronald Dorough</i> Ronald Dorough		

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.)

Installed Air/Oil Separator in accordance with M-20 Turbos, Inc./M-20 Oil Separators, LLC. Assembly Drawing No. 303, Rev. B dated October 13, 1999 or 403, Rev. None dated December 08, 2000 and Installation drawing no. 304, Rev. None dated September 27 1999 or 404 Rev. None, dated December 08, 2000 Installation Instruction, Air/Oil Separator dated July 1, 1999, Rev. January 24, 2005. Installed AN 914-3 elbow, An 912-2D reducer, AN 912-3D reducer, and AN 840-4D nipple fitting into accessory case low pressure port for hose attachment. Installed Stratoflex 193-4 hose and MIL-H-6000B-12 hose for Air/Oil Separator attachment. Data in accordance with STC SA02033AT issued November 19, 1999.

Continued Airworthiness: Service is not required for the life of the engine. In the event any service is needed, flush with neutral spirits, blow dry with shop air and return to service. End

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Form Approved
Budget Bureau No. 04-R060.1

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

FOR FAA USE ONLY
OFFICE IDENTIFICATION

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE Cessna	MODEL 150L
	SERIAL NO. 15072412	NATIONALITY AND REGISTRATION MARK N6912G
2. OWNER	NAME (As shown on registration certificate) American Flyers Inc.	ADDRESS (As shown on registration certificate) P.O. Box 3241, Airpark Branch Ardmore, Okla. 73401

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE	
				REPAIR	ALTERATION
AIRFRAME	***** (As described in item 1 above) *****				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS American Flyers Inc. P.O. Box 3241, Airpark Branch Ardmore, Okla. 73401	B. KIND OF AGENCY U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC ☒ CERTIFICATED REPAIR STATION MANUFACTURER	C. CERTIFICATE NO. #2084
---	---	-----------------------------

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

DATE October 11, 1973	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Lee Roy Briscoe</i> Lee Roy Briscoe
--------------------------	---

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNER	☒ REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION Oct 11, 1973		CERTIFICATE OR DESIGNATION NO. #2084	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Lee Roy Briscoe</i> Lee Roy Briscoe	

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 secure 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.)

Installed the following equipment:

1ea Narco ELT-10 Emergency Locator Beacon
1ea Narco ELT-10 Antenna

The Narco ELT-10 Emergency Locator Beacon was installed on the baggage compartment floor. The Narco ELT-10 Antenna was installed on the top of the tail cone aft of the rear window.

All work accomplished in accordance with F. A. R. Part 23, Part 43; AC 20.13-1 Chapters 11 & 15; AC 43.13-2 Chapters 2 & 3; and the manufacturer's installation instructions. A supplemental Weight Control and Equipment List was completed and added to the permanent Aircraft File.

NOTHING FOLLOWS

☐ ADDITIONAL SHEETS ARE ATTACHED

Department of Transportation - Federal Aviation Administration **Supplemental Type Certificate**

Number **SAB005NM**

This certificate is issued to **ACS Products Company**

with the limitations and conditions **3** *of the* **Civil Air**

Regulations

Issued Pursuant to Type Certificate Number **3429**

Class **Jet**

Model **150, 150A, B, C, D, E, F, G, H, J, K, L, M
 A150N, A150L, A150M, 152, A152**

*Installation of ACS Products Throttle control,
 in accordance with ACS PRODUCTS Co. Master Drawing List ACS-370, Revision 3,
 dated September 6, 1958, or later FAA approved revisions.*

The approval of this change in type design applies to the basic aircraft of the specified model that is otherwise unmodified. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft.

This certificate and the operating rules which are the basis for approval shall remain in effect until such time as a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Issued Pursuant to **August 15, 1958**

Discontinued

Issued Pursuant to **December 25, 1991**

Discontinued



Signature of the Administrator

Robert J. Felt

(Signature)

Manager, Propulsion Branch

(Title)

This certificate is issued pursuant to the provisions of 14 CFR 21.101, or its predecessor, and extends 5 years, or such other period as may be determined by the Administrator.

American Legend Aircraft Company

1810 Piper Lane
Sulphur Springs, TX 75482 USA

Phone: 903-885-7000

Invoice No. 11938

Page 1 of 2

Shipping
address:

Wyatt, Steven
4092 County Road 2616
Caddo Mills, TX 75135
Phone: (909)223-7202

SHIP VIA:

FOB DEST:

Account
address:

Wyatt, Steven
4092 County Road 2616
Caddo Mills, TX 75135
Phone: (909)223-7202

Invoice Date
7/13/2021

Due Date
7/13/2021

Terms

Salesperson

Order Qty	Ship Qty	Part ID/Description	Rev	U/M	Unit Price	Extended Price
1.00	1.00	A&P BUNDLE WITH STRATUS ESG Bundle 153010-000050; 153010-000062; 35050-000064-1		EA	3,437.70000	\$3,437.70
Order Qty	Ship Qty	Part ID/Description	Rev	U/M	Unit Price	Extended Price
1.00	1.00	LABOR Stratus Install		EA	950.00000	\$950.00
Order Qty	Ship Qty	Part ID/Description	Rev	U/M	Unit Price	Extended Price
1.00	1.00	010-01087-41 GTR200B Radio		EA	2,095.00000	\$2,095.00
Order Qty	Ship Qty	Part ID/Description	Rev	U/M	Unit Price	Extended Price
6.00	6.00	LABOR Garmin Radio Install		EA	95.00000	\$570.00
Order Qty	Ship Qty	Part ID/Description	Rev	U/M	Unit Price	Extended Price
1.00	1.00	TRANS-CAL ADAPTER Plate		EA	33.21000	\$33.21
Order Qty	Ship Qty	Part ID/Description	Rev	U/M	Unit Price	Extended Price
1.00	1.00	TRANS-CAL ALT ENCODER Encoder		EA	450.11000	\$450.11
Order Qty	Ship Qty	Part ID/Description	Rev	U/M	Unit Price	Extended Price
1.00	1.00	TRANSPONDER CHECK Transponder CK		EA	200.00000	\$200.00
Order Qty	Ship Qty	Part ID/Description	Rev	U/M	Unit Price	Extended Price
3.00	3.00	REPLACE FRONT STRUT TCNS-1 Customer provided kit		EA	105.00000	\$315.00
Order Qty	Ship Qty	Part ID/Description	Rev	U/M	Unit Price	Extended Price
1.00	1.00	MISC HARDWARE Misc Altimeter Cover, Cables, Connectors		EA	47.20000	\$47.20
Order Qty	Ship Qty	Part ID/Description	Rev	U/M	Unit Price	Extended Price
1.00	1.00	DEPOSIT ck#1656		EA	-3,000.00000	-\$3,000.00

Continued over ...

Legend Aircraft Company

per Lane

Spring, TX 75482 USA

Phone: 903-885-7000

Invoice No. 11938

Page 2 of 2

Invoice Sub-total	\$5,098.22
Freight	\$0.00
Tax	\$0.00
Invoice Total	\$5,098.22



US Department
of Transportation
Federal Aviation
Administration

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

OMB No. 2120-0020 Electronic Tracking Number
Exp. 5/31/2018
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 N6912G	Serial No. 15072412		
	Make Cessna	Model 150L	Series	
2. Owner	Name (As shown on registration certificate) RAULSTON MILTON A		Address (As shown on registration certificate)	
			Address 227 SAN MATEO PATH	
			City HAWKINS	State TEXAS
			Zip 75765	Country USA

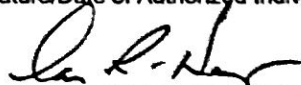
3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME	<u>Cessna</u>	(As described in Item 1 above)	<u>15072412</u>
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No. A&P3488815
Name	DARIN HART	☒	U. S. Certificated Mechanic	
Address	1810 PIPER LANE		Foreign Certificated Mechanic	
City	SULPHUR SPRINGS State TEXAS		Certificated Repair Station	
Zip	75482 Country		Certificated Maintenance Organization	

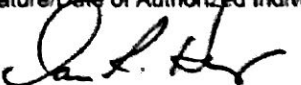
D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and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

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual  8 Sept. 2021
--	--

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 Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	☒ Inspection Authorization	Other (Specify)

Certificate or Designation No. A&P3488815IA	Signature/Date of Authorized Individual  8 Sept 2021
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft records. 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.)

DATE

REVISION

Nationality and Registration Mark

Date

1. Installed Garmin Stratus ESG Transponder, P/N 153510-000017, S/N 024159, using Stratus ES/ESG Installation Instructions, Document No. 600840-000032, Rev. 2.3, date: 8/20/18 and Stratus ES/ESG Installation Drawings and Wiring Diagrams, Document No. 601237-000024, Rev. 2.3, Dated 11/1/18. Installation per Stratus Systems, LLC STC NO. SA04112CH compliant TSO d FAA TSO-C112e, TSO-C145d, TSO-C166b. Installed Stratus 3i ADS-B (in) receiver, part no. 153510-000115. All wiring meets requirements of AC 43.13.1B chapter 11. Wiring was routed and secured as per AC 43.13.1B chapter 11. Used existing transponder circuit and confirmed appropriate per AC43.13-1B Chapter 11, Section 586.

? Instructions for Continued Airworthiness - Per Status ES/ESG Instructions for Continued Airworthiness (ICA), Document No: 600845-000025, Rev. 2.23, Dated: 2/20/18

? Installed Stratus supplied RAMI AV-801 WAAS Antenna installation instructions.

? Airplane Flight Manual Supplement: Stratus ES/ESG Aircraft Flight Manual Supplement (AFMS), Document No: 606586-000075, Rev. 2.1.

? Pilot Guide - Per Stratus ESESG Pilot Guide, Document No: 600890-000049, Rev. 2.2, Dated: 9/21/18

? Airworthiness Limitations: No additional Airworthiness Limitations.

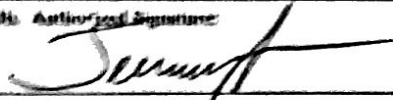
2. Installed Trans-Cal Industries, Inc. Model SSD120-(XX) NE-RS232 Altitude Encoder/Digitizer, FAA TSO-C88a. Installation per Document Number: 882189, Rev. G, dated May 12, 2015.

3. Installed Garmin GTR200B, p/n: 011-02980-40, s/n: 5JD004201. Installation Manual - FAA/PMA, GTR 200/GTR200B, p/n: 190-01553-00, Rev. P, dated 12/21/2020. Installed headset jacks below radio and transponder. Installation guidance per FAA advisory circulars AC 43.13-1B and AC 43.13-2B, where applicable.

4. Change to Weight and Balance is negligible. Equipment removed weight 5.9 lbs. Total installed weight 5.2 lbs. at same F.S.

5. The above modifications was found not to interfere with other installed systems and/or modifications and does not exceed 80% of generator output. No adverse interference to radios and navigation systems from RFI was found while operating the Stratus ESG and GTR200B Com during the configuration process. The installed ADS-B OUT system was shown to meet the equipment performance requirements of 14 CFR section 91.227.

-----End-----

1. Approving Authority FAA/Initial Status		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: JCA-1890	
4. Organization Name and Address Aggenco Systems, LLC 1830 NDSB Research Circle N. Fargo, ND 58102 (PT4000CE/PQ4000CE)					5. Work Order/Contract/Invoice Number: Job: 021136	
6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work	
1	Compressor, Stratus ESG	153510-000017	16	084155-thru-084170	NEW	
2	Huball Race, Stratus ESG	153540-000027	16	N/A	NEW	
3	ASSY, Backplate, Stratus ESG	153510-000015	16	N/A	NEW	
12. Remarks Fastened under PT4000CE for TSOs TSO-C112a, TSO-C145d, and TSO-C166b SN: 001514/00113 R07 ASN: 001514/00119 R06						
13a. Certify the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation. ☐ Own 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.: 344446508		14b. Authorized Signature:		14c. Approval/Certificate No.:
13d. Name (Typed or Printed): Jeremy Anderson		13e. Date (dd/mm/yyyy): 08 JUL 2021		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
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 no other 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.						

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

Number SA04112CH

This certificate issued to

Appareo Systems, LLC
1810 NDSU Research Circle North
Fargo, ND 58102

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

Original Product - Type Certificate Number:

Make:

Model:

See attached FAA Approved Model List (AML) No. SA04112CH
for list of approved airplane models and applicable airworthiness
regulations.

Description of Type Design Change:

Installation of Appareo Systems, LLC Stratus ES & Stratus ESG ADS-B transponder in accordance with the Appareo Systems
Stratus ES/ESG STC Master Document List on FAA AML No. SA04112CH.

Limitations and Conditions:

1. The installer must determine whether this design change is compatible with previously approved modifications.
2. A copy of this certificate and AML No. SA04112CH must be maintained as part of the permanent records for the modified aircraft.
3. FAA Approved Airplane Flight Manual Supplement identified on FAA AML No. SA04112CH is a required part of this modification.
4. If the holder agrees to permit another person to use this certificate to alter the product, the holder must 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: June 29, 2012

Date received:

Date of issuance: July 7, 2016

Date amended: April 12, 2017; September 22, 2017



By direction of the Administrator

Steven L. Lardinois

(Signature)

for Steven L. Lardinois
Manager, Systems Section
Chicago ACO Branch

(Title)



U.S. Department
of Transportation

Federal Aviation
Administration

Compliance & Airworthiness Division
Aircraft Certification Service
Chicago ACO Branch
2300 E. Devon Avenue, Room 107
Des Plaines, IL 60018

October 18, 2018

Mr. Vernon Miller
Sr. Certification Specialist
Appareo Systems, LLC
1810 NDSU Research Circle North
Fargo, ND 58102

Dear Mr. Miller:

This letter is in response to your application, dated August 21, 2018 with a revised application provided September 11, 2018, requesting an amendment to Approved Model List (AML) SA04112CII to add additional TCDS models to the AML.

Enclosed are the following as evidence of FAA design data approval:

1) FAA AML SA04112CII amended October 18, 2018

Instructions for Continued Airworthiness Appareo Systems Stratus ES/ESG System, Document No. 600845-000025, Rev. 2.2, dated February 20, 2018, are FAA accepted and should be incorporated into the operator's maintenance program.

When an appropriately rated repair station installs this STC, replacement or modification parts may be produced under the provisions of 14 CFR Parts 43 and 145 provided:

- a. The repair station is modifying aircraft in accordance with the drawings and specifications approved by this STC;
- b. The repair station is appropriately rated for the aircraft involved; and
- c. The repair station manual provides controls similar to those in 14 CFR § 21.303 to cover the manufacturing operations.

This option applies only when the parts manufactured by the repair station are installed on aircraft either brought to the repair station for the work or at the other locations under the repair station's direct authority. A Parts Manufacturer Approval (PMA) must be obtained for parts that are to be installed by anyone other than the repair station.

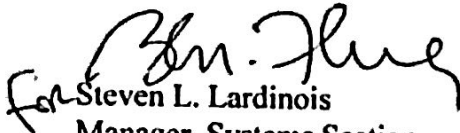
The approved data should be made available to the FAA upon request as indicated by 14 CFR §§ 21.41, and 21.49.

Minor and Major changes to type design data must be submitted with all substantiating and required descriptive data (reference §§ 21.93, 21.95, 21.97) and approved by the Chicago Aircraft Certification Office prior to aircraft installation unless another acceptable method has been approved by the FAA.

Please be aware of your responsibilities under the requirements of 14 CFR § 21.3, regarding the reporting of any failure, malfunction, or defect in any article manufactured under this approval.

If you have any questions regarding this approval, please contact Mr. Aaron Foutch at (847) 294-7124, fax (847) 294-7834, email aaron.foutch@faa.gov

Sincerely,


Steven L. Lardinois
Manager, Systems Section
Chicago ACO Branch

1 Enclosure

Packing List

Page

2

McFarlane Aviation, LLC
696 E. 1700 Road
Baldwin City, KS 66006
7855642741

Shipping Number: 0443874
Ship Date: 11/24/2021

Order Number: 0294527
Order Date: 11/11/2021
Salesperson: SARIA
Customer Number: AUC122

Sold To:
AIRCRAFT SUPPLY & REPAIR INC
21 ALLEGHENY COUNTY AIRPORT
WEST MIFFLIN, PA 15122
Confirm To:
MIKE

Ship To:
STEVEN MATT
4052 COUNTY RD 2516
Cactus Mills, TX 75135
Number of Packages:
Tracking Number:

Customer P. O. 21-2032	Ship VIA FEDEX GROUND	F. O. B. BALDWIN CITY	Terms NET 45 DAYS	
Item Number	Unit	Ordered	Shipped	Backordered
SDKT-1	EACH	1.000	1.000	0.000
SEAL KIT, Shimmy Dampener				
Lot Number: 66852				
Warehouse: 000				
Shelf Life Expires: 3/28/2024 Remaining %: 82%				
TL-KT-1	EACH	1.000	1.000	0.000
TORQUE LINK KIT, Cessna, Nose				
Lot Number: 66262				
Warehouse: 000				