### Department of Transportation -- Federal Aviation Administration

## Supplemental Type Certificate

Number SA01714WI

This certificate issued to

Garmin International, Inc. 1200 East 151<sup>st</sup> 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. SA01714WI dated May 1, 2013 or later FAA-approved revision for list of approved aircraft models and applicable airworthiness regulations.

Description of Type Design Change.

Installation of a Garmin transponders: (a) GTX 330/330D/33/33D with ADS-B Out functionality; (b) GTX 335/335R/345R with ADS-B Out functionality; or (c) GTX 335R/345R with ADS-B Out functionality in select airplanes installed with G950/G1000 systems.

#### Data Required:

- (1) Garmin Master Drawing List (MDL) 005-00734-04, Revision 1, dated May 1, 2013 or later FAA-approved revision.
- (2) Garmin Airplane Flight Manual Supplement or Supplemental Airplane Flight Manual (AFMS), 190-00734-15, Revision 1, dated May 1, 2013 or later FAA-approved revision.

#### Limitations and Conditions

- (1) Compatibility of this design change with previously approved modifications must be determined by the installer.
- (2) Aircraft installations involving the Garmin transponder GTX 33/33D/330D models require the previous installation of an approved ADS-B position source. Refer to the design data specified in the Master Drawing List (MDL) listed above for specific hardware and software requirements.
- (3) Aircraft installations involving the Garmin transponder GTX 335/335R/345/345R models without an optional internal GPS require the previous installation of an approved ADS-B position source. Refer to the design data specified in the Master Drawing List (MDL) listed above for specific hardware and software requirements.

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: August 7, 2012

Date of issuance: May 1, 2013



Date reissued:

Date amended: April 29, 2014, March 8, 2016

By direction of the Administrator

(Signature)

Michael Warren
ODA STC Unit Administrator
ODA-240087-CE
Garmin International, Inc.

(Title)



# United States of America Department of Transportation Federal Aviation Administration

## Supplemental Type Certificate

Number: SA01818WI

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:

Multiple - AML STC

Model: See Approved Model List (AML) SA01818WI for approved

aircraft models and applicable airworthiness regulations

Description of Type Design Change:

Installation of Garmin G5 Electronic Flight Instrument Data Required:

- (1) Garmin Master Drawing List (MDL) 005-01112-01, Revision 1, dated July 22, 2016
- (2) Garmin G5 STC Maintenance Manual including ICA 190-01112-11, Revision 1, dated July 22, 2016
- (3) Garmin G5 Airplane Flight Manual Supplement 190-01112-13, Revision 1, dated July 22, 2016

Later FAA-approved revisions to the data listed above are incorporated without amendment to this certificate

#### Limitations and Conditions:

- (1) Compatibility of this design change with previously approved modifications must be determined by the installer.
- (2) The installation of the G5 requires the retention of the mechanical airspeed indicator, altimeter, and vertical speed indicator.

(continued on Page 3)

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

Date of Application: May 5, 2016

Date Reissued:

Date of Issuance: July 22, 2016

Date Amended: April 28, 2017; October 18, 2017

By Direction of the Administrator

Signature\_\_\_\_\_

Title Robert G. Murray
ODA STC Unit Administrator
ODA-240087-CE

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).

## Department of Transportation-Federal Aviation Administration

# Supplemental Type Certificate

## Number SA2693NM

This certificate, issued to

Electronics International, Inc. 63296 Powell Butte Highway Bend, OR 97701

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 Civil Air Regulations.

Original Product—Type CertificateNumber:

\* See attached Master Eligibility List (MEL)

No. SA2693NM for list of approved airplane

Model: \* models and applicable regulations

Description of the Type Design Change: Installation of Electronics International Digital Volt/Amp Gauges and Accessories in accordance with Electronics International, Inc. Installation Instructions No. II 040934.

\*Model

Adaptability

VA-1A

Volt/Amp Gauge

Internal Shunt

Volt/Amp/Gauge VA-1A-50

Connected to Aircraft External Shunt

through

VA-1A-500

RSVA-3

Switch (Remote)

For Twin Engine Only Adapted to Aircraft External Shunt Used with Units Requiring External Shunts

S-50 through

S-500

\* NOTE: The above models are approved as replacements

External Shunt 50-500 Amp

Limitations and Conditions: Approval of this change in type design applies to the above referenced aircraft models only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate, MEL SA2693NM, and Electronics International, Inc. Instructions No. II 040934 must be maintained as part of the permanent records for the modified 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: July 8, 1983

Date of issuance:

February 16, 1985

Date reissued: December 29, 2004

Date amended: 1/26/1988; 2/21/2002; 1/24/05

By direction of the Administrator

(Signature)

Acting Manager, Seattle Aircraft Certification Office



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<b>US</b> Department	
of Transportation	
Federal Aviation	n
Administration	-2

-	OMB No. 2120-0020 Exp: 5/31/2018	Electronic Tracking Number							
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		Nationality N7387	y and Registrati	on Mark			Serial No	°.30-442	2			
1. Air	craft	Make Pip					Model	A-30		S	Series	4350
2. Ow	/ner			stration certificate		\$4.73	Address (As shown on registration certificate)  Address 115 Teal Vis  City Locust Grove State GA  Zip 30248 Country USA					
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		X	AIRFRAME	Piper			(As described in Item 1 above)					
			POWERPLAN	7								
			PROPELLER					7. A. 3:		A		
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Certifi	icate or nation I	No.28303	29 Sig	nature/Date of Au	thoriz	red Individual			61	1221	2019	

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 (If more space	Work Accomplished is required, attach add	itional sheets. Identify with aircraft	t nationality and registration n	mark and date work completed.)
			N7387Y Nationality and Registra	22 June 2019 ation Mark Date
PIPER	PA30	SN:30-442		
TO/FROM E	<b>BOTH GARMIN</b>			AND RECEIVE ARINC DATA O THE GARMIN GTX33ES TO
AC43.13-2A	CH02-03 ALL	ER: AC43.13-2B CH11- APPLICABLE PARAGE JFACTURES INSTALL	RAPHS, AC20-13B/	AC20-138A ALL APPLICABLE
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	IDED INSTRUC		JED AIRWORTHIN	ESS IN THE AIRCRAFT
	ED AFMS's IN <sup>1</sup> N GTX33ES.	THE AIRCRAFT FOR T	HE FOLLOWING: 0	GARMIN GTN480, GARMIN
	CKOUT LOG V	WAS COMPLETED AN	D IS INCLUDED IN	THE AIRCRAFT
7. ALL AI ANY SYSTE		CTRICAL SYSTEMS TE	ESTED AND GPS D	OOES NOT INTERFERE WITH
8. NEW / REVISED.	AIRCRAFT WE	GHT AND BALANCE	COMPUTED AND A	AIRCRAFT EQUIPMENT LIST
		END-		

Additional Sheets Are Attached

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.)

N7387Y

22 June 2019

Nationality and Registration Mark

Date

PIPER

**PA30** 

SN:30-442

### A SUMMARY OF THE MODIFICATIONS DONE TO THE AIRCRAFT IS AS FOLLOWS:

- A. REMOVED EXISTING ITEMS:
  - 1. PS ENGINEERING PMA 6000MS AUDIO PANEL
  - 2. APOLLO SL60 GPS/COM 1
  - 3. NARCO MK 12D COM 2
  - 4. BENDIX KING ADF
  - 5. PIPER AUTOCONTROL II AUTOPILOT
  - 6. NARCO DME890
  - 7. BENDIX KING KT76C TRANSPONDER
  - 8. VACUME SYSTEM
  - 9. DIRECTIONAL GYRO
  - 10. ATTITUDE INDICATOR
  - 11. APOLLO GPS MAP INDICATOR
  - 12. NARCO CDI
- B. INSTALLED ITEMS:
- 1. GARMIN GTN480 (APOLLO CNX80) GPS/NAV/COM 1 I.A.W. STC# SA01229SE SYSTEM WIRED TO EXISTING GA35 WAAS GPS ANTENNA
  - GARMIN GTX33ES ADS-B/TRANSPONDER I.A.W STC# SA01714WI
  - 3. GARMIN G5 ATTITUDE INDICATOR I.A.W STC# SA01818WI
  - 4. GARMIN G5 HSI/DIRECTIONAL GYRO/CDI I.A.W. STC # SA01818WI
  - GARMIN GAD29 ARINC CONVERTER I.A.W. STC# SA01818WI
  - 6. GARMIN GMU11 MAGNETOMETER I.A.W. STC# SA01818WI
  - 7. GARMIN GMA245 AUDIO PANEL
  - 8. GARMIN GTR200 COM2
  - 9. ELECTRONICS INTERNATIONAL VA-1A-300 AMP/VOLT METER I.A.W STC# SA2693NM
- C. LOCATION OF INSTALLED ITEMS:
  - 1. ITEM B.1 INSTALLED IN CENTER RADIO STACK
  - 2. ITEM B.2 INSTALLED UNDER NOSE ACESS PANEL
  - 3. ITEM B.3 INSTALLED IN LEFT INSTRUMENT PANEL
  - 4. ITEM B.4 INSTALLED IN LEFT INSTRUMENT PANEL
  - 5. ITEM B.5 INSTALLED BEHIND LEFT INSTRUMENT PANEL
  - 6. ITEM B.6 INSTALLED IN TAIL JUST FORWARD OF RIGHT ACESS PANEL
  - 7. ITEM B.7 INSTALLED IN CENTER RADIO STACK
  - 8. ITEM B.8 INSTALLED IN CENTER RADIO STACK
  - 9. ITEM B.9 INSTALLED IN LEFT INSTRUMENT PANEL

Additional Sheets Are Attached

6
US Department
of Transportation
Federal Aviation
Administration

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

OMB No. 2120-0020 Exp: 8/31/2014	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))

Nationality and Registration Mark

N7387Y

Make

Model

A CO

Series

		N7387Y						30-442							
1. Aircraft Piper									Model	PA-	30		Series		
2. 0	wner	Name (As	Name (As shown on registration certificate) Nicholas Gill						Address (As shown on regist Address 115 Teal Vista City Locust Grove			egistration	stration certificate) State GA		
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	4. Ty	pe					5. L	Jnit Identification	on						
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APPLIANCE Manufacturer															
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Name	Scott			Name and Address		_	X	U. S. Certificate					nufacturer		
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51	FA	VA Designee		Rep	air Station	X	the	spection Authoriz	zation	C	ther (Spe	cify)			
Certif	licate or gnation N	io. 27562	61	Signa	ature/Date of Au	thori	ed-I	ndividual							

		N7387Y	April 01, 2018
		Nationality and Registration Mark	Date
istalled two each electric fuel boost pumistallation was completed using Aviation inframe modification was accomplished to change to weight and balance. To change to electrical load requirements unctional test pumps, test flight of aircraft returned to service.	n Innovations, LLC instal in accordance with using s. aft completed with no disc	Ilation instructions IIPA30 Revision g modification drawing PA30101M crepancies noted.	D1 and AC43.13.
	END		

#### UnitedStatesofAmerica

## Department of Transportation\_Federal Aviation Administration

## Supplemental Type Certificate

## Number SA00786SE

This certificate issued to

Aviation Innovations, LLC 35004 NE. 185<sup>th</sup> Ave. Yacolt, WA 98675

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 3 of the Civil Air Regulations.

Original Product-Type Certificate Number:

A1EA

Make:

New Piper (Piper)

Model:

PA-30, PA-39

Description of the Type Design Change: Installation of Aviation Innovations fuel pump motor modification in accordance with Aviation Innovations Drawing List DLPA30, Revision G, dated August 1, 2002, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of these models on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate must be maintained as part of the permanent records for the modified 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:

August 20, 1999

Date reissued:

February 22, 2002

Date of issuance:

February 29, 2000

Date amended:

December 20, 2000; October 10,

2002



By direction of the Administrator

(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.

6
US Department
of Transportation
Federal Aviation

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

OMB No. 2120-0020 Exp: 5/31/2018	Electronic Tracking Number	
	For FAA Use Only	

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ins	structions	TIONS: Print and disposion. (49 U.S	ition of this	form.	s. See Title 1 This report is r	4 CF equir	FR §- red b	43.9, Part 4: by law (49 U.	S.C. §44701). F	Failure to rep	-1 (or sub ort can re	osequent revision thereof) for esult in a civil penalty for each	
1. Aircraft Nationality and Registration Mark N7387Y  Nationality and Registration Mark N7387Y  Make Piper  Nationality and Registration Mark N7387Y  Model PA-30													
1. A	ircraft	Make	iper						Model PA	-30		Series	
Name (As shown on registration certificate)									Address (As	gistration	certificate)		
2. 0	wner	Nichol	as GIII						City Locust	State GA			
		1				_		or FAA Use	Zip 30248		Count	try USA	
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R	lepair	Alteration	Uni	t		Ma	ake			Model		Serial No.	
		x	AIRFRAM	1E	Piper			(As described in Item 1 above		above)	30-442		
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			PROPELL	LER									
			APPLIAN	CE	Type Manufacturer								
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Name	Scott P					_	×		ificated Mechanic		C. Certifi		
City	Hampti				State GA			Certificated Repair Station				2756261	
Zip	30228	THE PERSON NAMED IN	untry USA				Ш	Certificated Manifestation Cigarization					
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	N7387Y	08/16/2016	
	Nationality and Regis	stration Mark Date	
talled Bogert Copper Cable Kit per (STC-	SA3531NM) In accorda	nce with Installation instruc	tion
11 Revision A			
	END		
		*	

## Department of Transportation—Rederal Aviation Administration

# Supplemental Type Certificate

Number SA3531NM

This certificate, issued to

**Bogert Aviation** 3606 N. Swallow Ave. Pasco, WA 99301

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:

Model.

\*See attached FAA Approved Model List (AML) No. SA3531NM for a list of approved aircraft models and applicable airworthiness regulations.

Description of the Type Design Change: Installation of copper electrical cables in accordance with Bogert Aviation Installation Instructions as listed on AML No. SA3531NM, amended April 1, 1999, or latter FAA approved revision.

Limitations and Conditions. Approval of this change in type design applies to the aircraft models listed on the AML only. This approval should not be extended to other aircraft of these models on which other previously approved modifications are incorporated unless it is determined by the installer that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this certificate and FAA AML No. SA3531NM must be maintained as part of the permanent records for the modified 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: May 27, 1986

Date roissued.

September 30, 2005

Date of issuance:

July 15, 1986

Date amended:

April 10, 1989; April 1, 1999



Acting Manager, Seattle Aircraft Certification Office

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.

6
US Department
of Transportation
Federal Aviation

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

OMB No. 2120-0020 Exp: 5/31/2018	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 the 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 such violation. (49 U.S.C. §46301(a))    Nationality and Registration Mark N7387Y	reof) for for each
Name (As shown on registration certificate) Nicholas Gill  Name (As shown on registration certificate) Nicholas Gill  Nicholas Gill  Name (As shown on registration certificate) Nicholas Gill  Nicholas	
Name (As shown on registration certificate) Nicholas Gill  Name (As shown on registration certificate) Nicholas Gill  Nicholas Gill  Name (As shown on registration certificate) Nicholas Gill  Nicholas	
2. Owner  Name (As shown on registration certificate) Nicholas Gill  Nicholas Gill  Address (As shown on registration certificate) Address (As shown on registration certificate) Address (City Locust Grove State GA Zip 30248 Country USA  3. For FAA Use Only	
2. Owner Nicholas Gill  Address 115 Teal Vista City Locust Grove State GA Zip 30248 Country USA  3. For FAA Use Only	
Zip 30248 Country USA  3. For FAA Use Only	
3. For FAA Use Only	
A Type	
4. Type 5. Unit Identification	
Repair Alteration Unit Make Model Serial No.	
AIRFRAME Piper (As described in Item 1 above) 30-442	
D POWERPLANT	
PROPELLER PROPELLER	
Type  APPLIANCE Manufacturer	
6. Conformity Statement	
A. Agency's Name and Address  B. Kind of Agency  x U. S. Certificated Mechanic Manufacturer	
Name Scott Puzio x U. S. Certificated Mechanic Manufacturer  Address Scott Puzio Cr. Certificate Mechanic C. Certificate No.	-
City Hampton State GA Certificated Repair Station 2756261	
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 here have been made in accordance with the requirements of Part 43 of the J.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.  Extended range fuel  Signature/Date of Authorzed Individual	
App. B App. B App. B	
7. Approval for Return to Service	h., 11
Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed Administrator of the Federal Aviation Administration and is	by the
FAA Fit. Standards Inspector Manufacturer Maintenance Organization Persons Approved by Canadian Department of Transport	
FAA Designee Repair Station X Inspection Authorization Other (Specify)	
Certificate or 2756261 Signature/Date of Authorized Individual	
A 09 16, 2016	

			N7387Y  Nationality and I	08/16/20 Registration Mark	Date
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Department of Transportation - Federal Abiation Administration

# Supplemental Type Certificate

Number SA693CE

This Certificate issued to

Brackett Aero Filters, Inc. 7052 Government Way Kingman, Arizona 86401

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 Specified under: "Certification Basis" on the applicable Data Sheets or Aircraft Specifications Regulations.

Original Product Type Certificate Number: As shown on Approved Model List(s)

Make :

Model: "

Note: FAA - Approved Model List(s) form a part of this Certificate.

Description of Type Design Change: Replace existing engine induction air filter with AC Spark Plug Division filter in accordance with Approved AC Filter List(s).

Limitations and Conditions. This approval should not be extended to other specific airplanes of these models on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of the airplanes. 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 2, 1970

Date of issuance: March 26, 1970

TOMINISTRATO

Date reissued. February 22, 1978, March 3, 1983, June 20, 2000

Date umended :

By direction of the Administrator

Michael a. Muspl

Manager, Tech. and Admin. Support Staff Los Angeles Aircraft Certification Office

(Signature)

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

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US Department
of Transportation
<b>Federal Aviation</b>

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

OMB No. 2120-0020 Exp: 5/31/2018	Electronic Tracking Number
	For FAA Use Only

Administration 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)) Serial No. 30-442 Nationality and Registration Mark N7387Y 1. Aircraft Series Make Address (As shown on registration certificate) Name (As shown on registration certificate) Address 115 Teal Vista Nicholas Gill 2. Owner City Locust Grove State GA 30248 Country USA Zip 3. For FAA Use Only 4. Type 5. Unit Identification Repair Alteration Unit Make Model Serial No. Piper 30-442 (As described in Item 1 above) **AIRFRAME** X POWERPLANT PROPELLER Гуре **APPLIANCE** Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency Scott Puzio U. S. Certificated Mechanic Manufacturer 190 Dilion Dr Foreign Certificated Mechanic C. Certificate No. State GA City Hampton Certificated Repair Station USA 30228 Country Certificated Maintenance Organization 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. Signature/Date of Authorized Individual Extended range fuel per 14 CFR Part 43 App. B Aug 16, 2016 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 x Approved Rejected FAA Flt. Standards Persons Approved by Canadian Manufacturer Maintenance Organization Inspector Department of Transport BY Other (Specify) **FAA** Designee Inspection Authorization Repair Station Designation No. 2756261 Signature/Date of Authorized Individual Aug 16,2016

	N7387Y	08/16/2016
lled Plane Power halt driven alternates as	Nationality and Registratio	
lled Plane Power belt driven alternator condance with drawing number 14-3001	nversion TAL 12-70 (STC	-3A 100023C) III
	-END	
	onal Sheets Are Attached	

#### United States Of America

## Department of Transportation - Federal Abiation Administration

# Supplemental Type Certificate

Number SA10682SC

This Certificate issued to

Plane Power, Ltd. 346 Howard Clemmons Rd. Granbury, TX 76048

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 Surt 3 of the Civil Air Regulations.

Original Product Type Certificate Number :

(See attached FAA Approved Model

List (AML) for models and

Model:

applicable airworthiness regulations.)

Description of Type Design Change: Installation of alternator and voltage regulator in accordance with Master Drawing List No. 14-0000, Rev. A, dated July 19, 2007, or later FAA approved revision. FAA approved Airplane Flight Manual, AFMS 001, Rev. IR, dated July 25, 2007 or AFMS 002, Rev. IR, dated July 25, 2007, or later FAA approved revision is required.

Limitations and Conditions. The installer must determine whether this design change is compatible with previously approved modifications. 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 Tederal . Contion . Administration.

Late of application February 28, 2007

Late of issuance July 25, 2007

Late reissued. September 19, 2007; November 16, 2007

Late amended

By direction of the Administrator

S. Frances Cox

Manager, Special Certification Office

Southwest Region

(Title)

(Signature)

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