

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

Number SA01714WI

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 herein meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.*

Original Product--Type Certificate

Number:

* See attached Approved Model List (AML) No.

Makes:

SA01714WI dated May 1, 2013 or later FAA-

Model:

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/345/345R with ADS-B Out and In 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/330/330D 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 reissued:

Date of issuance: May 1, 2013

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)

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

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:

Multiple - AML STC

Make:

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 Certificate Number: * See attached Master Eligibility List (MEL)

Make: * 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.

<u>*Model</u>	<u>Type</u>	<u>Adaptability</u>
VA-1A	Volt/Amp Gauge	Internal Shunt
VA-1A-50	Volt/Amp/Gauge	Connected to Aircraft External Shunt
through VA-1A-500		
RSVA-3	Switch (Remote)	For Twin Engine Only Adapted to Aircraft External Shunt
S-50	External Shunt 50-500 Amp	Used with Units Requiring External Shunts
through S-500		

* NOTE: The above models are approved as replacements

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

(Title)



US Department
of Transportation
Federal Aviation
Administration

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 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 N7387Y	Serial No. 30-442		
	Make Piper	Model PA-30	Series	
2. Owner	Name (As shown on registration certificate) Nicholas A Gill		Address (As shown on registration certificate) Address 115 Teal Vis	
			City Locust Grove	State GA
			Zip 30248	Country USA

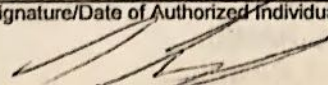
3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	Piper	(As described in Item 1 above)	30-442
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Nicholas A. Gill		<input checked="" type="checkbox"/> U. S. Certified Mechanic	Manufacturer
Address 115 TEAL VIS		<input type="checkbox"/> Foreign Certified Mechanic	C. Certificate No.
City Locust Grove State GA		<input type="checkbox"/> Certified Repair Station	PENDING (3197367)
Zip 30248 Country USA		<input type="checkbox"/> Certified Maintenance Organization	

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

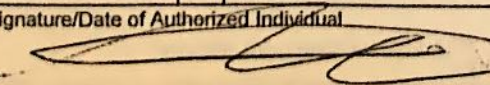
Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual  06/22/2019
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7. Approval for Return to Service

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	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station <input checked="" type="checkbox"/>	Inspection Authorization	Other (Specify)

Certificate or Designation No. **2830329**

Signature/Date of Authorized Individual
 **6/22/2019**

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.)

N7387Y

Nationality and Registration Mark

22 June 2019

Date

PIPER PA30 SN:30-442

D. NOTES

1. THE GARMIN GTN 480 IS WIRED TO THE GAD29 TO SEND AND RECEIVE ARINC DATA TO/FROM BOTH GARMIN G5's. INFORMATION IS ALSO WIRED TO THE GARMIN GTX33ES TO PROVIDE ALTITUDE AND POSITION DATA.

2. ALL WORK DONE PER: AC43.13-2B CH11-12 ALL APPLICABLE PARAGRAPHS, AC43.13-2A CH02-03 ALL APPLICABLE PARAGRAPHS, AC20-13B/AC20-138A ALL APPLICABLE PARAGRAPHS AND MANUFACTURES INSTALLATION MANUALS.

3. CONDUCTED ELECTRICAL LOAD ANALYSIS OF INSTALLED EQUIPMENT AND VERIFIED ELECTRICAL LOAD IS LESS THAN 80%.

4. INCLUDED INSTRUCTIONS FOR CONTINUED AIRWORTHINESS IN THE AIRCRAFT MAINTENANCE RECORDS.

5. PLACED AFMS's IN THE AIRCRAFT FOR THE FOLLOWING: GARMIN GTN480, GARMIN G5, GARMIN GTX33ES.

6. A CHECKOUT LOG WAS COMPLETED AND IS INCLUDED IN THE AIRCRAFT MAINTENANCE RECORDS.

7. ALL AIRCRAFT ELECTRICAL SYSTEMS TESTED AND GPS DOES NOT INTERFERE WITH ANY SYSTEM.

8. NEW AIRCRAFT WEIGHT AND BALANCE COMPUTED AND AIRCRAFT EQUIPMENT LIST REVISED.

END



Additional Sheets Are Attached

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.)

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
2. 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
5. 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 ACCESS 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 ACCESS 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



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))

1. Aircraft	Nationality and Registration Mark N7387Y	Serial No. 30-442	
	Make Piper	Model PA-30	Series
2. Owner	Name (As shown on registration certificate) Nicholas Gill		Address (As shown on registration certificate)
			Address 115 Teal Vista
			City Locust Grove State GA
			Zip 30248 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	<u>Piper</u>	(As described in Item 1 above)	<u>30-442</u>
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No. 2756261
Name <u>Scott Puzio</u>	Address <u>31 Teal Ct</u> City <u>Locust Grove</u> State <u>GA</u> Zip <u>30248</u> Country <u>USA</u>	<input checked="" type="checkbox"/> U. S. Certificated Mechanic	Manufacturer	
		<input type="checkbox"/> Foreign Certificated Mechanic		
		<input 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
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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	Persons Approved by Canadian Department of Transport Other (Specify)
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	
Certificate or Designation No. 2756261		Signature/Date of Authorized Individual 		

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.)

N7387Y

April 01, 2018

Nationality and Registration Mark

Date

Installed two each electric fuel boost pumps per Aviation Innovations, LLC STC SA00786SE.

Installation was completed using Aviation Innovations, LLC installation instructions IIPA30 Revision G 01-10-2004.

Airframe modification was accomplished in accordance with using modification drawing PA30101MD1 and AC43.13.

No change to weight and balance.

No change to electrical load requirements.

Functional test pumps, test flight of aircraft completed with no discrepancies noted.

Aircraft returned to service.

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☐ Additional Sheets Are Attached

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

Number SA00786SE

This certificate issued to Aviation Innovations, LLC
35004 NE. 185th 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.



US Department
of Transportation
Federal Aviation
Administration

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 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 N7387Y	Serial No. 30-442
	Make Piper	Model PA-30
2. Owner	Name (As shown on registration certificate) Nicholas Gill	Address (As shown on registration certificate) Address 115 Teal Vista
		City Locust Grove State GA
		Zip 30248 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	<u>Piper</u>	(As described in Item 1 above)	<u>30-442</u>
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name <u>Scott Puzio</u>		<input checked="" type="checkbox"/> U. S. Certificated Mechanic	Manufacturer
Address <u>190 Dillon Dr</u>		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City <u>Hampton</u> State <u>GA</u>		<input type="checkbox"/> Certificated Repair Station	2756261
Zip <u>30228</u> Country <u>USA</u>		<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 Aug 16, 2016
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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	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station X	Inspection Authorization	Other (Specify)
Certificate or Designation No. 2756261		Signature/Date of Authorized Individual Aug 16, 2016		

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.)

N7387Y

08/16/2016

Nationality and Registration Mark

Date

Installed Bogert Copper Cable Kit per (STC-SA3531NM) In accordance with Installation instructions #2-11 Revision A

-----END-----

☐ Additional Sheets Are Attached

Department of Transportation—Federal 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: *See attached FAA Approved Model List (AML)
Make: No. SA3531NM for a list of approved aircraft
Model: 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 reissued: September 30, 2005

Date of issuance: July 15, 1986

Date amended: April 10, 1989; April 1, 1999



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.



US Department
of Transportation
Federal Aviation
Administration

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 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 N7387Y	Serial No. 30-442	
	Make Piper	Model PA-30	Series
2. Owner	Name (As shown on registration certificate) Nicholas Gill		Address (As shown on registration certificate)
			Address 115 Teal Vista
			City Locust Grove State GA
			Zip 30248 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	<u>Piper</u>	(As described in Item 1 above)	<u>30-442</u>
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No. 2756261
Name <u>Scott Puzio</u>		<input checked="" type="checkbox"/> U. S. Certified Mechanic	Manufacturer	
Address <u>190 Dillon Dr</u>		<input type="checkbox"/> Foreign Certified Mechanic		
City <u>Hampton</u> State <u>GA</u>		<input type="checkbox"/> Certified Repair Station		
Zip <u>30228</u> Country <u>USA</u>		<input type="checkbox"/> Certified Maintenance Organization		

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

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual AUG 16, 2016
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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 Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station X	Inspection Authorization	Other (Specify)

Certificate or Designation No. 2756261	Signature/Date of Authorized Individual AUG 16, 2016
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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 with aircraft nationality and registration mark and date work completed.)

N7387Y

08/16/2016

Nationality and Registration Mark

Date

Installed Left and Right Bracket Air filters BA-105 per (STC-SA693CE) List No. 1

-----END-----

☐ Additional Sheets Are Attached

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

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

Date amended :



By direction of the Administrator

Michael A. Murphy
(Signature)

Manager, Tech. and Admin. Support Staff
Los Angeles 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.



US Department
of Transportation
Federal Aviation
Administration

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 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 N7387Y	Serial No. 30-442	
	Make Piper	Model PA-30	Series
2. Owner	Name (As shown on registration certificate) Nicholas Gill		Address (As shown on registration certificate)
			Address 115 Teal Vista
			City Locust Grove State GA
			Zip 30248 Country USA

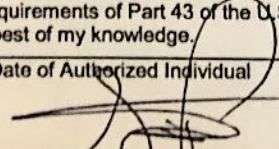
3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	<u>Piper</u>	(As described in Item 1 above)	<u>30-442</u>
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

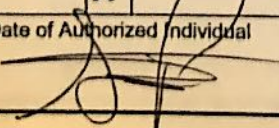
A. Agency's Name and Address		B. Kind of Agency	
Name <u>Scott Puzio</u>	Address <u>190 Dillon Dr</u> City <u>Hampton</u> State <u>GA</u> Zip <u>30228</u> Country <u>USA</u>	<input checked="" type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
		<input type="checkbox"/> Certificated Repair Station	2756261
		<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  Aug 16, 2016
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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	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station X	Inspection Authorization	Other (Specify)
Certificate or Designation No. 2756261		Signature/Date of Authorized Individual  Aug 16, 2016		

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.)

N7387Y

08/16/2016

Nationality and Registration Mark

Date

Installed Plane Power belt driven alternator conversion TAL 12-70 (STC-SA10682SC) in accordance with drawing number 14-3001

-----END-----

☐

Additional Sheets Are Attached

United States Of America
Department of Transportation - Federal Aviation 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 herein meets the airworthiness requirements of Part 3 of the Civil Air Regulations.

Original Product Type Certificate Number: (See attached FAA Approved Model

Make: 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 Federal Aviation Administration.

Date of application February 28, 2007

Date reissued: September 19, 2007; November 16, 2007

Date of issuance July 25, 2007

Date amended



By direction of the Administrator

(Signature)

S. Frances Cox
Manager, Special Certification Office
Southwest Region

(Title)