



U.S. Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 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 N4389X	Serial No. 28R-7635034	
	Make Piper	Model PA28R-200	Series 28
2. Owner	Name (As shown on registration certificate) RRG Software LLC	Address (As shown on registration certificate) Address 1018 Midway Dr	
		City Alpine State CA	zip 91901 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	_____	(As described in item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	David Eddo	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	Manufacturer
Address	8622 Gibbs Dr		<input type="checkbox"/> Foreign Certificated Mechanic
City	San Diego State CA	<input type="checkbox"/> Certificated Repair Station	AP3467663
Zip	92123 Country USA	<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 8/30/18
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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. IA3467663		Signature/Date of Authorized Individual 8/30/18		

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.)

N4389X

Nationality and Registration Mark

8/30/18

Date

- 1) Installed Knots 2U wing root fairings I/AW installation drawings and STC SA1216GL
- 2) For continued airworthiness see installation instructions
- 3) Installed Knots 2U wing tips I/AW installation instructions and STC SA01786SE
- 4) For continued airworthiness see installation instructions
- 5) Weight and balance revised

Additional Sheets Are Attached

Supplemental Type Certificate

Number SA01435SE

J. P. Instruments
 3185 Airway Ave, Suite B
 Costa Mesa, CA 92626-4601

This certificate, issued to
 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 21 of the Regulations.

Original Product—Type Certificate Number: *See attached FAA Approved Model List (AML)
 Make: No. SA01435SE for a list of approved airplane
 Model: models and applicable airworthiness regulations.

Description of the Type Design Change: Installation of J.P. Instruments (JPI) Primary Engine Data
 Management System in accordance with JPI Installation Manual for the EDM-900 and EDM-930, Report 908,
 Revision H, dated January 3, 2012, or later Federal Aviation Administration (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 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, the FAA AML No. SA01435SE, EDM-900
 Airplane Flight Manual Supplement, Document Number 900-0001, Revision D, approved December 1, 2011, or
 EDM-930 Airplane Flight Manual Supplement, Document Number 930-0001, Revision C, approved
 December 10, 2004, as appropriate, and the Instructions For Continued Airworthiness, Supplement No. 905-01,
 Revision IR, dated December 15, 2011, or later FAA-accepted revisions, and 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
 suspended, suspended, revoked, or a termination date is otherwise established by the Administrator of the
 Federal Aviation Administration.

Date of application:	November 4, 2002	Date received:	
Date of issuance:	December 13, 2004	Date amended:	January 10, 2012



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.

1 FAA Approved: P/N 604010, Manifold pressure sensor with 1/8 N/P termination.

Amended: 07/25/05; 04/03/06; 07/24/06; 02/07/07; 03/21/08; 08/18/10; 02/14/11;
 01/10/12; 08/21/12; 3/11/13; 06/26/13; 09/17/13; 08/20/14; 6/18/15; 8/2/16;
 1/22/18
 Reissued: 05/12/11

Manager, Seattle Aircraft Certification Office

[Signature]

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	AML REVISION DATE
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J.P. INSTRUMENTS
 FAA APPROVED MODEL LIST (AML) NUMBER SA01435SE FOR
 INSTALLATION OF THE EDM-900/930 PRIMARY ENGINE DATA MANAGEMENT SYSTEM

Original Issue Date: December 13, 2004



U.S. Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 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 N4389X	Serial No. 28R-7635034	
	Make Piper	Model PA28R-200	Series 28R
2. Owner	Name (As shown on registration certificate) RRG Software LLC	Address (As shown on registration certificate) Address 1018 Midway Dr	
		City Alpine State CA	Zip 91901 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		(As described in item 1 above)	
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name David Eddo		<input checked="" type="checkbox"/> U.S. Certificated Mechanic	Manufacturer
Address 8622 Gibbs Dr		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City Sab Diego State CA		<input type="checkbox"/> Certificated Repair Station	AP3467663
Zip 92123 Country USA		<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 6/11/18
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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	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
Certificate or Designation No. IA3467663		Signature/Date of Authorized Individual 6/11/18		

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.)

N4389X

Nationality and Registration Mark

6/11/18

Date

- 1) Removed all engine struments and fuel gauges.
- 2) Installed JPI EDM 900 Stand Alone System I/A/W STC SA01435SE and Installation Instructions Report No.908 Rev K.
- 3) For Continued airworthiness see instructions Rev E
- 4) Aircraft weighted E.W. 1681.0 E.W.C.G. 83.77 E.W. Momt. 140817.37

Additional Sheets Are Attached



U.S. Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020
Exp: 5/31/2018

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 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 N4389X	Serial No. 28R-7635034	
	Make Piper	Model PA28R-200	Series 28R
2. Owner	Name (As shown on registration certificate) RRG Software LLC	Address (As shown on registration certificate) Address 1018 Midway Dr	
		City Alpine State CA	Zip 91901 Country USA

3. For FAA Use Only

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

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	David Eddo	<input checked="" type="checkbox"/> U.S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input type="checkbox"/> Certified Repair Station <input type="checkbox"/> Certified Maintenance Organization	Manufacturer
Address	6352 Caminito Flecha		C. Certificate No.
City	San Diego State CA		AP3467663
Zip	92111 Country USA		

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 6/21/19
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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	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
Certificate or Designation No. IA3467663		Signature/Date of Authorized Individual 6/21/19		

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.)

N4389X

Nationality and Registration Mark

6/21/19

Date

- 1) Installed factory new fwd wing walk skin 62061-802 on 6/11/18 using factory rivets holes and installed using Cherry Max rivets of the same dia. as factory rivets removed
- 2) See Engineering Order 30-5730-1001 Rev: IR and 8110-3 form for approval for the use to Cherr Max rivets

Additional Sheets Are Attached

US 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 form 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 Piper	Model PA-28R-200
	Serial No. 28R-7635034	Nationality and Registration Mark N4389X
2. Owner	Name (As shown on registration certificate) RPG SOFTWARE LLC	Address (As shown on registration certificate) 5662 HAMPSHIRE LN YPSILANTI, MI 48197

3. For FAA Use Only

4. Unit Identification

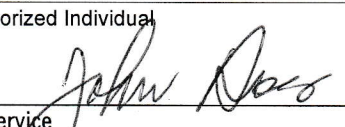
5. Type

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 INSTRUMENT OVERHAUL SERVICE 8/26/20161981 N MARSHALL AVE EL CAJON, CA 92020	B. Kind of Agency <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. CB3R417L INST CLASS I-IV LIMITED AIRFRAME RADIO CLASS I-III
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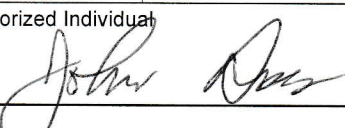
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 05-24-2017	Signature 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 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 Designee <input checked="" type="checkbox"/>	Repair Station	Person Approved by Transport Canadian Airworthiness Group	

Date of Approval or Rejection 5/24/2017	Certificate or Designation No. CB3R417L	Signature of Authorized Individual 
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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.)

ROMOVED GARMIN GTX 327 TRANSPONDER. REMOVED STRIKEFINDER INDICATOR.

INSTALLED GARMIN GTX345 TRANSPONDER IN PLACE OF REMOVED TRANSPONDER.

INSTALLATION ACCOMPLISHED IN ACCORDANCE WITH GARMIN INSTALLATION MANUAL # 190-00734-10 REV 8 SEPT 2016 AND STC SA01714WI . THE PIPER PA28R-200 IS INCLUDED IN THE AML FOR THIS STC.

INTERFACED WITH EXISTING ANTENNA AND ALTITUDE ENCODER ACCORDING TO ABOVE MENTIONED MANUAL. INTERFACED AUDIO TO EXISTING AUDIO PANEL. INTERFACED TO EXISTING GNS 530W AS APPROVED ADS-B WAAS GPS SOURCE .

ALL WORK DONE WITH REFERENCE TO AC 43.13-1B CHAPTERS 7,10, 11 AND 12. AND AC 43.13-2B CHAPTER 2.

ELECTRICAL LOAD TEST DONE. TOTAL LOAD DOES NOT EXCEED 80% OF AIRCRAFT GENERATING SYSTEM CAPACITY.

PERFORMED CONFIGURATION AND OPERATIONAL TESTS ACCORDING TO THE MFG INSTALL MANUAL. ALL FUNCTIONS OPERATED NORMALLY.

TESTS AND INSPECTIONS REQUIRED BY FAR 91.411 AND 91.413 PERFORMED .

AIRCRAFT WEIGHT AND BALANCE DATA CHANGE NEGLIGABLE.

THE OWNER OF THIS AIRCRAFT HAS BEEN ADVISED FOR CONTINUED AIRWORTHINESS REQUIREMENTS, THIS INSTALLATION MUST BE INSPECTED AT AN INTERVAL CONSISTANT WITH (14 CFR) PART 91.409 AND REFERING TO (14 CFR) PART 43 APPENDIX D AND IN ACCORDANCE WITH AC43.13-1B CHAPTER 12 SECTIONS 1 AND 2 WITH REGARD TO INSPECTION AND MAINTENANCE PRACTICES OF THE ABOVE INSTALLED EQUIPMENT. THE OWNER HAS BEEN GIVEN A COPY OF THE OPERATORS MANUAL FOR EACH PIECE OF EQUIPMENT INSTALLED.

THE GTX 345 FAA APPROVED FLIGHT MANUAL SUPPLEMENT HAS BEEN GIVEN TO THE OWNER/OPERATOR OF THIS AIRCRAFT.

LOG ENTRY REFLECTING THIS INSTALLATION MADE THIS DATE.

----- E N D -----

Additional Sheets Are Attached



1200 East 151st Street
Olathe, KS 66062
P: 913-397-8200 F: 913-397-8282

March 8, 2016

Subject: STC Permission to use STC SA01714WI for
Garmin GTX 330, 330D, 33, 33D, 335, and 335R with ADS-B Out (see AML);
Garmin GTX 345 and 345R with ADS-B In and Out (see AML)

Consistent with FAA Order 8110.4() and Advisory Circular (AC) 21-40(), Garmin International grants permission to Garmin dealers, installers, and owners of the Garmin GTX 330, 330D, 33, 33D, 335, 335R, 345, and 345R to use STC SA01714WI and deliverable data associated with it, for the sole and express purpose of installation and approval of the installation of the Garmin GTX 330, 330D, 33, 33D, 335, 335R, 345, and 345R and associated interfaces to other previously approved equipment.

A handwritten signature in black ink, appearing to read "Emmett Griffith", with a long horizontal line extending to the right from the end of the signature.

Emmett Griffith
Director of Engineering
Garmin AT, Inc.

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. SA01714WI dated May 1, 2013 or later FAA-approved revision for list of approved aircraft models and applicable airworthiness regulations.
Make:
Model:

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 I, 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

Michael Warren
(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
 (Continuation Sheet)

Number SA01714WI

Date of issuance: May 1, 2013

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

Limitations and Conditions (continued):

- (4) Aircraft with G950 or G1000 display systems are limited to Garmin transponder GTX 335R/345R models; see Table II of the attached AML. Refer to the design data specified in the Master Drawing List (MDL) listed above for specific hardware and software requirements.
- (5) Aircraft modified by this STC must be operated in accordance with the Airplane Flight Manual Supplement or Supplemental Airplane Flight Manual (AFMS) identified above.
- (6) Aircraft modified by this STC must be maintained in accordance with the Instructions for Continued Airworthiness (ICA) listed in the Master Drawing List (MDL) identified above.
- (7) 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.

***Certification Basis**

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this change is as follows:

- a. The certification basis for parts **not changed** or **not affected** by this change is shown on the attached AML.
- b. The certification basis for parts **changed** or **affected** by this change is:

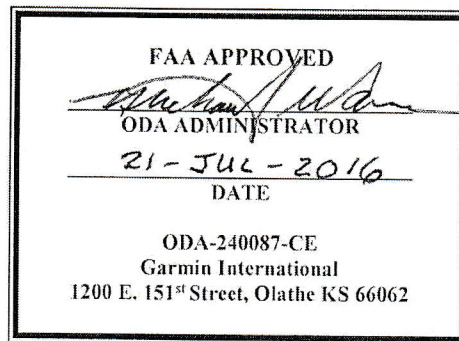
<u>Section</u>	<u>Amdt</u>	<u>Section</u>	<u>Amdt</u>	<u>Section</u>	<u>Amdt</u>
23.301 a	23-48	23.773 a(2)	23-45	23.1357 a, b, c, d	23-43
23.303	Original	23.777 a, b	23-62	23.1359 c	23-49
23.305	23-45	23.853 a	23-62	23.1365 a, b, d, e	23-49
23.307 a	Original	23.863 a, b	23-34	23.1367 a, b, c, d	Original
23.337	23-48	23.1301 a, b, c	23-62	23.1431 a, b	23-62
23.561 b(3), e	23-62	23.1306 a, b	23-61	23.1501 a, b	23-21
23.601	Original	23.1307	23-49	23.1525	23-45
23.603	23-23	23.1308 a, b, c	23-57	23.1529	23-26
23.605 a	23-23	23.1309 a(1)(2), b, c, d	23-62	23.1555 a, b, e(2)	23-62
23.607 a, b	23-48	23.1310	23-62	23.1581 a, b, c, f	23-50
23.611	23-48	23.1311 a(2)	23-62	23.1583 h, m	23-62
23.613 a, b	23-45	23.1322 b, d, e	23-43	23.1585 j	23-62
23.627	Original	23.1351 a	23-49	----	----
23.771 a	23-14	23.1353 h	23-62	----	----

-----END-----

FAA Approved Model List (AML)

STC Number SA01714WI

Installation of Garmin Transponder GTX 33X and GTX 3X5 with ADS-B



Issued Date: May 1, 2013
Revised Date: August 27, 2013,
March 8, 2016
July 21, 2016

FAA Approved Model List (AML) STC Number SA01714WI

AML Revision Log

Date	Description
5/1/2013	Initial Release
8/27/2013	Defined which aircraft were certified with 14CFR 23.1353(h) being part of the certification basis.
08-Mar-2016	Added GTX 3X5 along with additional aircraft models. Split the AML into two tables as noted below
21-July-2016	Corrected typographical error regarding LC42-550FG in Table II

NOTE:

This AML contains 2 Tables as part of the 08-Mar-2016 revision.

1. **Table I** identifies Aircraft approved for the GTX 33X and GTX 3X5 **WITHOUT** GX000 Equipped flight deck system
2. **Table II** identifies Aircraft approved for the GTX 3X5R only **WITH** G950/G1000 Equipped flight deck system

All notes are listed at the end of the document

Table of Tables

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Table I – NON-GX000 Equipped Aircraft for the GTX 33X and GTX 3X5	3
Table II – G950/G1000 Equipped Aircraft for the GTX 3X5R ONLY	25
Table III – Notes Information	27

FAA Approved Model List (AML) STC SA01714WI

Table I: Approved Aircraft WITTHOUT GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders

Airplane Make (TCDS Holder) [common name or previous make]	Airplane Model Designation	Type Certificate Number	* TC Certification Basis	Master Drawing List Revision (005-00734-04)	AML Revision/Date	Notes
(continued) Piper Aircraft, Inc. (Piper Aircraft, Inc.) [The New Piper Aircraft, Inc]	PA-28-140, PA-28-150, PA-28-151, PA-28-160, PA-28-180, PA-28-201T, PA-28-235, PA-28-236, PA-28S-160, PA-28S-180, PA-28R-180, PA-28R-200, PA-28R-201T, PA-28RT-201, PA-28RT-201T	2A13	CAR 3 FAR 23	1	Original 5/1/2013	
	PA-28-161, PA-28R-201, PA-28-181	2A13	CAR 3 FAR 23	1	Original 5/1/2013	3
	PA-32-260, PA-32-300, PA-32-301, PA-32-301T, PA-32S-300, PA-32R-300, PA-32RT-300, PA-32RT-300T,	A3SO	CAR 3	1	Original 5/1/2013	
	PA-32R-301(HP), PA-32R-301(SP), PA-32-301XTC, PA-32R-301T, PA-32-301FT	A3SO	CAR 3	1	Original 5/1/2013	3
	PA-34-200, PA-34-200T	A7SO	FAR 23	1	Original 5/1/2013	
	PA-38-112	A18SO	FAR 23	1	Original 5/1/2013	
	PA-44-180T	A19SO	FAR 23	1	Original 5/1/2013	
	PA-44-180	A19SO	FAR 23	1	Original 5/1/2013	3
	PA-31 (PA-31-310), PA-31-300, PA-31-325, PA-31-350	A20SO	CAR 3 FAR 23	1	Original 5/1/2013	
	PA-42, PA-42-720, PA-42-1000	A23SO	FAR 23	1	Original 5/1/2013	

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FAA APPROVED

AIRPLANE FLIGHT MANUAL SUPPLEMENT

or

SUPPLEMENTAL AIRPLANE FLIGHT MANUAL

for the

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

Piper PA 28-R200

Make and Model Airplane

Registration Number: N4389X Serial Number: 28R-7635034

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

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

FAA Approved By:



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

Date: 08-MAR-2016

LOG OF REVISIONS				
Revision Number	Page		Description	FAA Approved
	Date	Number		
1	05/01/2013	All	Complete Supplement	<i>Robert Murray</i> Robert Murray ODA STC Unit Administrator Garmin International, Inc. ODA-240087-CE Date: <u>05/01/2013</u>
2	03/08/2016	All	New supplement format with GTX 3X5 added.	See cover page