



U.S. Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020
For FAA Use Only
Office Identification

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

1. Aircraft	Make WACO	Model YMF-F5C
	Serial No. F5C-8-143	Nationality and Registration Mark N949GS
2. Owner	Name (As shown on registration certificate) WACO Classic Aircraft Corp.	Address (As shown on registration certificate) 15955 South Airport Road Battle Creek, MI 49015

3. For FAA Use Only

The data identified herein complies with the applicable airworthiness requirement and is approved for the above described aircraft, subject to conformity inspection by a person authorized in FAR Part 43, Section 43.7

6109 8-24-15 *Ralph J. Payne*

District Office Date Signature of FAA Inspector

4. Unit Identification

5. Type

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

6. Conformity Statement

A. Agency's Name and Address Centennial Aircraft Services 15955 South Airport Road Battle Creek, MI 49015	B. Kind of Agency <input type="checkbox"/> U.S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input checked="" type="checkbox"/> Certified Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. <div style="text-align: center; font-size: large;">W2OR467Y</div>
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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 18 August 2015	Signature of Authorized Individual Jared Sanders <i>Jared Sanders</i>
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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	<input type="checkbox"/> FAA Fit Standards Inspector	<input type="checkbox"/> Manufacturer	<input type="checkbox"/> Inspection Authorization	Other (Specify)
	<input type="checkbox"/> FAA Designee	<input checked="" type="checkbox"/> Repair Station	<input type="checkbox"/> Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection 24 Aug 15	Certificate or Designation No. CRS# W2OR467Y	Signature of Authorized Individual <i>Jared Sanders</i>
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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.)

The following systems were installed:

1ea. Garmin GTS 800 Traffic Advisory System.

The GTS 800 was installed on the passenger deck fwd of front instrument panel in accordance with GTS 800 Installation Manual P/N 190-00587-00 Rev. J, Dec, 2013. The factory installed Garmin G500 PFD/MFD and GTN 750 were interfaced to display data provided by GTS 800. The GTS 800 was interfaced to G500 for altitude input and was tested to comply with 14 CFR Part 91.411 and 91.413. The GTS 800 was interfaced to G500 for heading input.

Garmin STC SA02016SE-D, Garmin STC SA02015SE-D and Garmin STC SA02019SE-D were being referenced for this installation.

This field approval is not for ADS-B receiver functionality. The ADS-B functionality of this unit can not be approved by the field approval.

A post installation checkout was performed in accordance with Garmin GTS 800 Installation Manual, and GTN650/750 Installation Manual, and concluded that the installed equipment and all aircraft systems were operating properly.

All work done in accordance with above Installation Manuals and 14 CFR's AC43.13-1B & 2A:

See Garmin G500 Pilot's Guide P/N 190-01102-02 Rev. E, Aug, 2012, Garmin GTN 750 Pilot's Guide P/N 190-01007-03 Rev. H, Nov, 2014, Garmin GTN 635 Pilot's Guide P/N 190-01004-03 Rev. H, Nov, 2014, Garmin GTS 800 Pilot's Guide P/N 190-00587-02 Rev. B Mar, 2014, and Garmin STC approved Flight Manual Supplement 190-01007-A2 Rev. 1, Mar, 2011 and 190-01102-01 Rev. 7, Aug, 2011.

Radio 43.13-2A Ch. 2, Electrical 43.13-1B 11-30,32,33,36,37, Metal Work 43.13-1B 4-4, 55-57, Hardware & Material 43.13-1B Ch. 7 sec's 2-5 and 11, Electrical components and wiring 43.13-1B ch.11 sec.'s 4, 5, 7, 10, 15, 16, 17, Avionics systems 43.13-1B Ch. 12 sec's 1, 2, 12-37.

Weight and balance information updated.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

See attached ICA Dated 18 Aug. 15

----- END -----

Additional Sheets Are Attached

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (*For Field Approvals-FAA Form 337*)

A/C Make: WACO Classic Model: YMF WACO F5C S/N: F5C-8-143 Reg. #: N949GS
Date: 18 Aug. 2015

This sixteen item checklist are Instructions for Continued Airworthiness (ICA), to comply with FAA Handbook Bulletin for Airworthiness (HBAW 98- 18 Dated October 7, 1998), are applicable to the aircraft listed above when the following equipment is installed:

SYSTEM: GTS 800 Traffic Advisory System

ITEM	CHECKLIST INFORMATION
1.	Introduction: The Garmin GTS 800 Traffic Advisory System was installed into aircraft with the following manuals: Garmin GTS 800 Installation Manual P/N 190-00587-00 Rev. J, dated 12/13 and Garmin STC SA02016SE-D.
2.	Description: The Garmin GTS 800 Traffic Advisory System was interfaced to the following: Garmin G 500 and GTN 750 to display Traffic Advisory System, G500 for heading input, and altitude Information.
3.	Control: Refer to Garmin G 500 Pilot's Guide P/N 190-01102-02 Rev. E, 08/12, GTN 750 Pilot's Guide P/N 190-01007-03 Rev. H, 11/14, GTN 635 Pilot's Guide P/N 190-01004-03 Rev. H, 11/12, STC approved Flight Manual Supplement 190-01007-A2 Rev.1, 03/11, STC approved Flight Manual Supplement 190-01102-01 Rev. 7, 08/11, and GTS 800 Pilot's Guide P/N 190-00587-02 Rev. B, 03/14 for operation information.
4.	Servicing information: None
5.	Maintenance Instructions: See GTS 800 Installation Manual P/N 190-00587-00 Rev. J, or later. See Classic Aircraft Corporation Inspection Report Section-C Item 21, Section-D Item 4 and 5.
6.	Trouble shooting information: See GTS 800 Installation Manual P/N 190-00587-00 Rev. J, or later, for Troubleshooting instruction.
7.	Removal and replacement information: See Instructions in the GTS 800 Installation Manual P/N 190-00587-00 Rev. J or later. If the unit is removed and reinstalled, verify that the unit power-up self-test sequence is successfully completed and no failure messages are annunciated. If any work has been done on the aircraft that could affect the GTS 800 wiring, antenna cables or any interconnected equipment, verify that the unit power-up self-test sequence is successfully completed and no failure messages are annunciated. Refer to GTS 800 Installation Manual for Antenna removal/installation procedures and special handling precautions.
8.	Diagrams: For wire diagrams and installation drawings see GTS 800 Installation Manual P/N 190-00587-00 Rev. J or later.
9.	Special inspection requirements: Not Applicable.
10.	Application of protective treatments: Data relative to protective treatments, such as primers or sealants and installation requirements can be found in GTS 800 Installation Manual P/N 190-00587-00 Rev. J or later.
11.	Data: Antenna installation, removal and replacement should be done in accordance with applicable provisions of AC 43.13-1B & 2A and GTS 800 Installation Manual P/N 190-00587-00 Rev. J or later.
12.	List of special tools: GTS 800 Installation Manual identifies the GTS 800 Install Tool (a software tool) used to configure the system during installation.
13.	For commuter category aircraft: Not Applicable.
14.	Recommended overhaul periods: No additional overhaul time limitations.
15.	Airworthiness Limitation Section: No additional Airworthiness Limitations.
16.	Revision: A letter will be submitted to the local FSDO with a copy of the revised FAA Form 337 and revised ICA. The FAA inspector accepts the change by signing Block 3 and including the following statement: "The attached revised/new Instructions for Continued Airworthiness (date) for the above aircraft or component major alteration have been accepted by the FAA, superseding the Instructions for Continued Airworthiness (date)." Once the revision has been accepted, a maintenance record entry will be made, identifying the revision, its location, date of the Form 337.



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 N949GS	Serial No. F5C-8-143	
	Make WACO Classic Aircraft	Model YMF WACO	Series F5C
2. Owner	Name (As shown on registration certificate) WACO Classic Aircraft Corporation	Address (As shown on registration certificate) Address 15955 South Airport Rd.	
		City Battle Creek State MI	Zip 49015 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	POWERPLANT	JACOBS	R755-A2M	12318
<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	PETER M. JONES	<input checked="" type="checkbox"/>	U.S. Certificated Mechanic
Address	920 AIRPORT SERVICE RD	<input type="checkbox"/>	Foreign Certificated Mechanic
City	CLEVELAND State MS	<input type="checkbox"/>	Certificated Repair Station
Zip	38732 Country UNITED STATES	<input type="checkbox"/>	Certificated Maintenance Organization
			C. Certificate No. 587407882

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 PETER M. JONES / 4/20/2015
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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	<input checked="" type="checkbox"/>	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input type="checkbox"/>	Inspection Authorization	Other (Specify)
Certificate or Designation No. 587407882		Signature/Date of Authorized Individual PETER M. JONES 4/20/2015			

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8. Description of Work Accomplished

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

N949GS

[Redacted]

F5C-8-143

4/20/2015

WACO Classic Aircraft

Nationality and Registration Mark

YMF WACO

Date

F5C

WACO Classic Aircraft Corporation

15955 South Airport Rd.

Battle Creek

49015

MI

USA

- 1) VMN series magnetos modified in accordance with STC SE04135AT.
- 2) Installed VMN7-DF5-ARMOD in accordance with STC SE02589AT.
- 3) Installed exhaust valve rotators in accordance with STC SE572SW.

Additional Sheets Are Attached