



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 N1052E	Serial No. 7AC-4603	
	Make American Champion	Model 7AC conv 7CCM	Series
2. Owner	Name (As shown on registration certificate) Scott R. Huntington Kim B. Huntington	Address (As shown on registration certificate) Address 409 Ventura Rd. City Santa Maria State CA Zip 93455 Country USA	

## 3. For FAA Use Only

The data identified herein complies with applicable airworthiness requirements and is approved only for above described aircraft subject to conformity inspection by a person authorized in FAR 43.7  
FAA Inspector, Van Nuys FSDO: RSJP Date: 03/01/2016

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	Scott R. Huntington	<input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Certificated Maintenance Organization	Manufacturer
Address	409 Ventura Rd.		C. Certificate No.
City	Santa Maria State CA		2697914A&P
Zip	93455 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 ☐

Signature/Date of Authorized Individual

Scott R. Huntington

03-01-16

## 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.

Signature/Date of Authorized Individual

AP2697914IA

Scott R. Huntington

03-01-16

## 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.)

N1052E

Nationality and Registration Mark

Date

03-01-16

Installation of Grove wheels and brakes per Grove drawings 28-4003 Rev IR, 28-4103 Rev IR, 29-1001B Rev IR, and 61-1001 Rev IR. This installation previously approved by FSDO WP-09.

Removed mechanical brake linkage and replaced with Grove Part Nos. 670-5, 082-012, and 082-001/002. Mounting uses existing brake pedals, and is shown on Grove drawing 28-4103 Rev 1R.

Contracted with Grove to fabricate the 082-001/ -002 clamp assemblies and 082-012 extension tube assembly, per Grove drawing nos. 082-001, 082-006, 082-007, 082-008 and 082-012 to qualify as owner produce parts.

This installation is identical in configuration and performance to the braking system approved for the 7ECA aircraft and listed on Type Certificate Data Sheet A-759, the same TCDS as the 7AC/7CCM. Mounting is by clamp, instead of welding and is of equivalent strength.

Hydraulic fluid conforming to MIL PRF 46176B or grade 5606 is used in this installation.

Flexible hoses are tested to 4000 psi and certified to have bursting pressures 5000 psi and above under safety standards of 49 CFR 571.106. These hoses conform to SPEC SAE-J-1401.

This installation meets certification standards of CAR 4a477, CAR 3.363, and 14 CFR 23.735. All work was accomplished in accordance with standard practices of AC 43.13-1B and AC 43.13-2B

Weight and balance and equipment list updated.

#### Instructions for Continued Airworthiness

1. Introduction - Installation of hydraulic disc brakes
2. Description - Grove wheels and brakes as used in current production aircraft on TCDS A-759
3. Operation Information - Original heel brakes maintained and operated by hydraulic pressure, rather than mechanical linkage
4. Servicing Information - Condition and leak check will be performed in accordance with 14 CFR Part 43 Appendix D at each annual inspection and checking of the brake fluid level each 50 hours
5. Maintenance Instructions - Wheel and brake maintenance shall be done in accordance with Grove Aircraft Wheel and Brake Assemblies Instructions for Continued Airworthiness Document 13046-11 Rev NC dated May 18, 2013 or later revision
6. Troubleshooting Information - NA
7. Removal and Replacement Information - Shall be performed in accordance with Grove Aircraft documentation as listed in item #6
8. Diagrams - See attached Grove Aircraft drawings
9. Special Inspection - NA
10. Protective Treatments - NA
11. Data - NA
12. Special Tools - NA
13. Commuter Category - NA
14. Recommended Overhaul - NA
15. Airworthiness Limitations - No Additional airworthiness limitations
16. Revisions - A letter will be submitted to the local FAA Office with a copy of the revised FAA Form 337 and revised ICA. After the revision has been accepted, a maintenance record entry will be made, identifying the revision, its location, and date on the FAA Form 337.

End

☒ Additional Sheets Are Attached