



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 report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Bellanca	Model Citabria
	Serial No. 967-73	Nationality and Registration Mark N36349
2. Owner	Name (As shown on registration certificate) Mason Lewis G	Address (As shown on registration certificate) 638 Edgewater LN Moses Lake Wa, 98837

**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 Erik Borg 7662 Chanute St N.E Moses Lake WA, 98837	B. Kind of Agency <input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. <i>AP 2782092 JA</i>
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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 March 12, 2004	Signature of Authorized Individual <i>C ERIK BORG Erik Borg</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	FAA Fit. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection <i>3/12/2004</i>	Certificate or Designation No. <i>AP 2782092 JA</i>	Signature of Authorized Individual <i>C ERIK BORG Erik Borg</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.)*

N36349      March 12, 2004      Tach 2026.27

Found Brackett Air Filter P/N BA-106-E to be previously installed in accordance with STC-SA693CE and Brackett Air Filter document BA-106-E with no weight and balance changes.

END

Additional Sheets Are Attached

# BRACKETT AIR FILTERS

## INSTRUCTIONS

ASSEMBLY PART NO. BA-106

APPROVED ON AIRCRAFT MODELS: SEE FAA APPROVED  
APPLICABILITY LIST

REPLACES: Filter PN CA121PL.

FAA APPROVAL DATA: STC-SA693CE List No. 1  
FAA-PMA Supplement No. 1

Your new polyurethane air filter element has been designed to give maximum dust collecting efficiency, good air flow, lightweight, and economical replacement. The element has been treated with a special treatment called a wetted agent and is approximately 98% efficient. The special wetted agent is the secret to the efficiency of capturing dust and repelling water. The element has also been treated with a fire retardant. For the above reasons, replace the element each 200 hours of use or every 12 months or when 50% covered with foreign material. DO NOT WASH AND REUSE.

## INSTALLATION INSTRUCTIONS

- Step 1. Install filter using the same procedure as with the original filter.
- Step 2. Apply service decal to the filter canister. PLACE SO IT IS READABLE.
- Step 3. NOTE: After initial installation of filter assembly fill out FAA Form 337 for return to service. On future replacement of parts this form will not be required.

SERVICING: Under normal conditions, replace filter element, PN BA-11, after 200 hours use or 1 year intervals. Under severely dusty conditions, check daily and replace when element is 50% covered with foreign material.

Instruction Sheet  
Part No. BA-106-E  
Date: Rev. 8-23-88

Mfg. by:  
Brackett Aircraft Co., Inc.  
Kingman, AZ

**BRACKETT AERO FILTERS, INC.**  
7052 Government Way  
Kingman, AZ 86401 U.S.A.  
ph 928-757-4009



United States Of America  
Department of Transportation - Federal Aviation Administration

## Supplemental Type Certificate

Number SA693CE

This Certificate is 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 herein meets the airworthiness requirements of Part 21 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 this 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: March 2, 1970

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

Date of issuance: March 26, 1970

Date amended:

By direction of the Administrator

*Michael W. 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.

ITEM NUMBER	AIR FILTER NUMBER	TOP DRAWING		AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TYPE CERT. NUMBER	CERT. BASIS	AML AMENDMENT
		NUMBER	REVISION & DATE					
5	BA-106	BA-106 (648786)	D 101786	AMERICAN CHAMPION (BELLANCA) (SHARON) (AERONCA)	TECA TOCAN TCR-17KCAR	A-339		
6	BA-114	BA-114 (6531469)	C 112779	AMERICAN CHAMPION (BELLANCA)	BRKCAR 1BR129A	A332		
7	BA-115	BA-115 (648786)	D 102079	PAPER	PA-33-280 17A-212-280 (SN 212805 & up)	A-110		
				PAPER	PA-33-280 (with a Lycoming IO-540-K1A3 engine) (SN 21-40000 thru 22-7541029)	A330		

SA693CE  
BRACKETT AERO FILTERS, INC.  
FOR INSTALLING AIR FILTERS

ISSUE DATE: MARCH 26, 1970





# BRACKETT AIR FILTER DOCUMENT I-194

PLACE IN AIRCRAFT RECORDS

CONTINUED AIRWORTHINESS INSPECTION  
REQUIREMENTS AS PER FAR 23.1529  
AND GENERAL PROCEDURES OF PART 43

**INSPECTION INTERVALS:** Pre-flight inspections, engine backfire inspection, 100 hour inspections, annual inspections, filter element replacements.

### INSPECTION PROCEDURES

- A. Pre-flight inspection: Per Pilots Operating Handbook; check filter assembly for security, damage or 50% contamination of element face. If found report to maintenance personnel prior to flight.
- B. Engine start-up backfire inspection: Prior to flight, check the entire intake system for security or damage. If a fire was present, the downstream face of the foam element will show erosion. If any irregularities are found see Chart I and also refer to the Aircraft Maintenance Manual for the intake system.
- C. At element replacement intervals: With the element removed, inspect the filter grill, filter frame, filter mountings and entire intake system for security, wear and any deformation. Note: On filter assemblies with gaskets, visually inspect inside and outside of frame for any signs of gasket looseness, movement or deterioration. If found refer to Chart I or the proper maintenance manual for your aircraft or component.

PART	REPLACE	REWORK	INSTRUCTIONS
FRAME	X		COMPLETE NEW ASSEMBLY
GASKET	X		ON FILTER FRAME, REMOVE OLD NEOPRENE GASKET AND ALL TRACES OF ADHESIVE DOWN TO A CLEAN ANODIZED FRAME SURFACE. USE ADHESIVE 3M#847 OR DOW CORNING RTV-732. COAT ENTIRE MATING SURFACE (GASKET TO FRAME). APPLY ADHESIVE FOLLOWING MANUFACTURER'S LABEL DIRECTIONS. WHEN FRAME AND GASKET ARE PLACED TOGETHER, CLAMP OR WEIGHT DOWN AT .75 LB./SQ. IN. OF CONTACT AREA. ALLOW TO CURE 24 HOURS PRIOR TO INSTALLATION. PRIOR TO REINSTALLATION OF FILTER, CHECK AIRBOX MATING SURFACE FOR IRREGULARITIES. IF FOUND, CORRECT PER MANUFACTURER'S REQUIREMENTS. UPON REINSTALLATION CHECK THAT THE GASKET MAKES 100% CONTACT. THE GASKET SHOULD BE COMPRESSED 50% FOR OPTIMUM SEAL.
GRILL	X		REPLACE WITH NEW GRILL
HARDWARE	X		REPLACE UNSERVICEABLE WITH NEW
SCREEN	X		COMPLETE NEW ASSEMBLY
SCREEN/GASKET	X		COMPLETE NEW ASSEMBLY ( ASSEMBLE USING SCREEN GASKETS PER 1991 BA-4106, BA-5110 AND BA-8110. )
ELEMENT	X		REPLACE ELEMENT

DATE: 3-16-94

CHART 1