Int. Cl.: 7

Prior U.S. Cls.: 13, 19, 21, 23, 31, 34 and 35

United States Patent and Trademark Office Reg. No. 3,569,513
Registered Feb. 3, 2009

TRADEMARK PRINCIPAL REGISTER

TEMPEST

AERO ACCESSORIES, INC. (NORTH CAROLINA CORPORATION) 1240 SPRINGWOOD AVENUE GIBSONVILLE, NC 27249

FOR: AIRCRAFT ENGINE PARTS, NAMELY, AIR PUMPS, FUEL PUMPS, CARBURETORS, CHECK VALVE MANIFOLDS, VACUUM SWITCH MANIFOLDS, IGNITION SOURCES, IGNITION WIRES, AIR FILTERS, AND OIL FILTERS, IN CLASS 7 (U.S. CLS. 13, 19, 21, 23, 31, 34 AND 35).

FIRST USE 1-1-2001; IN COMMERCE 1-1-2001.

THE MARK CONSISTS OF STANDARD CHARACTERS WITHOUT CLAIM TO ANY PARTICULAR FONT, STYLE, SIZE, OR COLOR.

SER, NO. 77-491,874, FILED 6-5-2008.

MARIA-VICTORIA SUAREZ, EXAMINING ATTORNEY



Federal Aviation
Administration

April 3, 2007

Small Airplane Directorate
Atlanta Manufacturing Inspection
District Office
One Crown Center, Suite 225
1895 Phoenix Blvd
Atlanta, Georgia 30349

PMA NO. PQ1206CE

Aero Accessories, Inc. 1240 Springwood Avenue Gibsonville, N.C. 27249

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of 14 CFR part 21, Subpart K, we have found that the design data, based on Test and Computation submitted by Aero Accessories, Inc., with your certifying letter dated December 27, 2006, meet the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, it has been determined that Aero Accessories, Inc. has established the fabrication inspection system required by part 21 § 21.303(h) at 1240 Springwood Avenue, Gibsonville, NC. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 92.

You are reminded that the provisions of the Federal Aviation Regulations, noted in our PMA letter of approval dated July 16, 1987, also apply to the enclosed PMA Listing-Supplement No. 92.

Sincerely,

Jim Reeves

Manager, Atlanta Manufacturing Inspection District Office

Shepman F/

Enclosure

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Aero Accesso 1240 Springv Gibsonville, I	vood Avenue	PMA NO. <u>PQ1206CE</u> SUPPLEMENT NO. <u>92</u> DATE: <u>Mar 27, 2007</u>				
Part Name	Part Number	Approved Replacement For	FAA Approval Basis & Approved Design Data	Installation Eligibility	Model	
Filter assembly	AA2J4-4	Airborne part number 1J4-4 and 2J4-4 and Aero Accessories AA1J4-4	Test and computations per CFR Part 21.303 Dwg. AA2J4-4 Rev Rev. 0 Date Sep 22, 2006 or later FAA-Approved revisions	Aerostar Aircraft Corporation (Formerly Piper, Ted Smith)	PA-60-600, PA-60-601, PA-60-601, PA-60-601, PA-60-602P, PA-6—700P, 360, 400, 600. 601. 601P, 602P and 700P airplanes incorporating an Airborne P/N 1J4-4 or Aero Accessories AA1J4-4 inline air filter	
Filter assembly	AA2J4-6	Airborne part number 1J4-6 and 2J4-6 and Aero Accessories AA1J4-6	Test and computations per CFR Part 21.303 <u>Dwg.</u> AA2J4-6 <u>Rev.</u> Rev. 0 <u>Date.</u> Sep 22, 2006 or later FAA-Approved revisions	Beech, Mooney and Piper	Any type certificated aircraft incorporating an Airborne P/N 1J4-6 or Aero Accessories, AA1J4-6 inline air filter	
Filter assembly	AA2J4-7	Airborne part number 1J4-7 and 2J4-7 and Aero Accessories AA1J4-7	Test and computations per CFR Part 21.303 <u>Dwg.</u> AA2J4-7 <u>Rev.</u> Rev. 0 <u>Date.</u> Sep 22, 2006 or later FAA-Approved revisions	Beech, Mooney and Piper	Any type certificated aircraft incorporating an Airborne P/N 1J4-7 or Aero Accessories AA1J4-7 inline air filter	

------ END OF LISTING -----

NOTE: Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA. If TC holder's ICA applies to these replacement parts, provide a statement noting such. If not, provide supplementary ICA per 14 CFR 21.50

Melvin D. Taylor

Manager, Atlanta Aircraft Certification Office Jim Reeves

Manager, Atlanta

Inspection District Office



Federal Aviation Administration Small Airplane Directorate Atlanta Aircraft Certification Office One Crown Center 1895 Phoenix Boulevard, Suite 450 Atlanta, GA 30349

March 27, 2007

Mr. Tim Henderson, President Aero Accessories, Inc. 1240 Springwood Avenue Gibsonville, NC 27249-2310

Mr. Henderson:

This is in response to your letter and substantiating data dated December 27, 2006 requesting parts manufacturer approval (PMA) on the following parts: P/Ns AA2J4-4 eligible on Aerostar Aircraft Corp. (formerly Ted Smith and Piper) models PA-60-600, PA-60-601, PA-60-601P, PA-60-602P, PA-60-700P, 360, 400, 600, 601, 601P, 602P and 700P airplanes utilizing Airborne P/N 1J4-4 or Aero Accessories P/N AA1J4-4 inline air filter; AA2J4-6 eligible on any type certificated Raytheon (Beech), Mooney and Piper airplanes utilizing Airborne P/N 1J4-6 or Aero Accessories P/N AA1J4-6 inline air filter and AA2J4-7 eligible on any type certificated Raytheon (Beech), Mooney and Piper airplanes utilizing Airborne P/N 1J4-7 or Aero Accessories P/N AA1J4-7 inline air filter.

We reviewed the documentation submitted and find they meet the requirements of 14 CFR 21.303(d)(1). We noted design approval on the PMA supplement, and sent it with your application to the Atlanta MIDO, 1895 Phoenix Blvd, Suite 225, Atlanta, GA 30349. The FAA-PMA letter and PMA supplement from the MIDO documents your production approval.

We agree with your determination that installation of your PMA parts does not impact existing 14 CFR 21.50(b) instructions for continued airworthiness.

Sincerely,

Christina L. Marsh, Associate Manager Atlanta Aircraft Certification Office

are utilized.



U.S. Department of Transportation

Federal Aviation Administration NOV 1 4 2008

Mr. Gary Crawford Aero Accessories, Inc. 1240 Springwood Avenue Gibsonville, NC 27249

Dear Mr. Crawford:

Atlanta Aircraft Certification Office 1895 Phoenix Boulevard One Crown Center, Suite 450 Atlanta, Georgia 30349

This is in reply to your August 11, 2006 letter and substantiating data requesting FAA Engineering Design Approval as a prerequisite for obtaining Federal Aviation Administration-Parts Manufacturer Approval (FAA-PMA). Based on our design review of the data which you submitted, design approval is granted as indicated for the following parts:

Part Name .	Part Number	Approved Replacement For	FAA Design Approval Means	Installation Eligibility	Model
Fitting assembly	AA1K24-2	Airborne part number 1K24-2	Test and computations per 14 CFR Part 21.303 (c) 4, and Aero Accessories, Inc. Dwg. No. AA1K24-2, Rev. O, dated 10/10/05 or later FAA approval	Aeronca, Aerospatiale, Aircraft Manufacturing & Development, Beech, Bellanca, BrittenNorman, Cirrus, Cessna, Diamond, Grumman American, Helio, Lake, Maule Micco, Mooney, Navion, Piper, Aerostar Aircraft Corp, Rockwell, and Siai Marchetti aircraft	Any type certificated aircraft where Airborne part number 1K24-2 or Raytheon Aircraft part number 58-380125 fitting assemblies are installed or Pumps AA442CW-12, A442CW-12 or 442CW-12

AA1K9-8-12 Airborne part Test and Aeronca, Any type Fitting number 1K9computations Aerospatiale, certificated assembly Aircraft 8-12 per 14 CFR aircraft Manufacturing Part 21.303 where & Development, (c) 4, and Airborne Aero Beech, part Accessories, Bellanca, number Inc. Dwg. No. BrittenNorman, 1K9-8-12 AA1K9-8-12, Cirrus, Cessna, fitting Rev. O, dated Diamond, assemblies 06/15/06 or Grumman are later FAA American. installed approval Helio, Lake, Maule Micco, Mooney, Navion, Piper, Aerostar Aircraft Corp, Rockwell, and Siai Marchetti aircraft Airborne part Test and AA1K10-8-Aeronca, Any type Fitting assembly 12 number computations Aerospatiale, certificated 1K10-8-12 per 14 CFR Aircraft aircraft Part 21.303 Manufacturing where & Development, Airborne (c)4, and Aero Beech, part Accessories, Bellanca, number Inc. Dwg. No. BrittenNorman, 1K10-8-12 AA1K10-8-Cirrus, Cessna, fitting 12, Rev. O, Diamond, assemblies Grumman dated are 06/15/06 or American, installed later FAA Helio, Lake, Maule Micco, approval Mooney, Navion, Piper, Aerostar Aircraft Corp, Rockwell, and Siai Marchetti aircraft

Fitting assembly AA1K31-4-6-

Airborne part number 1K31-4-6-4

Test and computations per 14 CFR Part 21.303

(c)4, and Aero Accessories, Inc. Dwg. No. AA1K31-4-6-

dated 05/01/06 or later FAA

approval

Aeronca, Aerospatiale, Aircraft

Manufacturing & Development,

Beech. Bellanca, BrittenNorman, Cirrus, Cessna, 4, Rev. O, Diamond,

> American, Helio, Lake, Maule Micco, Mooney,

> > Navion, Piper, Aerostar Aircraft Corp. Rockwell, and Siai Marchetti

Grumman

aircraft

Any type certificated aircraft where Airborne part number 1K31-4-6-4 fitting assemblies are installed

FAA stamped and initialed copies of your drawings as evidence of your design approval for FAA-PMA are enclosed. One copy of each drawing has been retained in our files.

If there are any minor design changes (Refer 14 CFR Parts 21.93 and 21.95), they must be submitted at regular intervals, not to exceed six months. Two copies of the drawings, verification of minor change acceptance, and any change in aircraft and engine eligibility should be submitted at this time.

Major design changes to drawings and specifications should be FAA approved prior to the sale of such parts and handled in the same manner as that for an original FAA-PMA approval.

Please note that you should be aware of your responsibilities under the requirements of 14 CFR Part 21.3 regarding the reporting of failures, malfunctions, or defects in parts or articles provided under the terms of this approval.

The approved data enclosed with this letter must be retained on file at your facility as required by 14 CFR Part 21.303(h)(6) and made available upon request by FAA representatives. This letter transmits design approval only for the listed parts, and does not constitute authority for the fabrication of parts and the sale of such parts to customers. An FAA-PMA approval letter will be issued upon forwarding of a copy of this letter and a letter certifying that Aero Accessories has established a fabrication inspection system which complies with 14 CFR Part 21.303(h) to the Atlanta Manufacturing Inspection District Office (MIDO), 1895 Phoenix Boulevard, One Crown Center. Suite 225, Atlanta, GA 30349.

If you have any further questions regarding the design data, please contact Jerry Robinette at (770) 703-6096. Questions regarding the manufacture of parts and the related quality control system should be directed to the MIDO.

Sincerely,

Christina Marsh

Associate Manager Atlanta Aircraft Certification Office

Christina & Marsh

Enclosure

1. Approving Civil Aviation Authority/Country: FAA / UNITED STATES 2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG						3. Form Tracking Number: 028526		
4. Organization Name and Address: Aero Accessories, LLC - 2208 Air Park Drive - Burlington NC 27215 FAA-PMA PQ1206CE YV4R688M							5. Work Order/Contract/Invoice Number: P.O. # 0037165 Page 2 of 3	
6. Item	7. Description	13	8. Part Number	umber 9. Quantity 1		10.Serial Number	er 11. Status / Work	
1		See Block 12	See	See Block 12	See Block 12	See Block 12	NEW	
12. Remarks		PAR		ESS APPROVA E NOT CRITICA	AL - ARTICLE AL COMPONENTS.			
Qua	ntity Description		Part N	Number	Serial # or Lot	#		
	2 FITTING ASSI	EMBLY	AA1K	1-8-12	01141501			
	2 FITTING & NU	T ASSMBLY	AA1K	22-10-10	1			
	2 FITTING		AA1K	24-2	1			
	2 FITTING ASSI	EMBLY	AA1K	30-10-6-6	1			
	2 FITTING		AA1K	31-4-6-4	5			
2 BULKHEAD FITTING & NUT			AA1K	43-10-10	02ZL			
	2 FITTING ASSI	EMBLY	AA1K	A1K8-6-10 03111503				
	2 FITTING ASSI	EMBLY	AA1K	AA1K8-6-8 01141903				
	2 FITTING ASSI	EMBLY	AA1K	9-4-6	09181901			
	4 FITTING ASSE	EMBLY	AA1K	AA1K9-6-10 06271701				
2 FITTING 1/2 NPT X 5/8 HOSE				9-8-10	1			
13a. Certifies the items identified above were manufactured in conformity to:			14a.		3.9 Return To Service		gulation Specified in Block 12	
X Approved design data and are in condition for safe operation. Non-approved design data specified in Block 12				Certifies thate unless othewise specified in block 12, the work identidied in block 11 and described in block 12 was accomplished in accordance with Title 14, Cde of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
13b. Authorized Signature: 13c. Approval / Authorization No.: 640347462 13d. Name (Typed or Printed) 13e.Date (dd/mmm/yyyy) 03/Sep/2020			14d. Name (Typed or Printed)		140	. Approval / Authorization No. :		
		14			14e.	14e.Date (dd/mmm/yyyy)		
It is important to ur	nderstand that the exister	nce of this document alone does not auto	matically constitue	authority to insta	I the aircraft engin/prop	eller/article.		

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the Country specified n Block 1.

Statement in Blocks 13a and 14a do not constituee installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

1. Approving Civil Aviation Authority/Country: FAA / UNITED STATES 2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG						3. Form Tracking Number: 028526	
4. Organization Name and Address: Aero Accessories, LLC - 2208 Air Park Drive - Burlington NC 27215 FAA-PMA PQ1206CE YV4R688M							5. Work Order/Contract/Invoice Number: P.O. # 0037165 Page 3 of 3
6. Item 1	7. Description	See Block 12	8. Part N	Number See Block 12	9. Quantity See Block 12	10.Serial Numbe See Block 12	er 11. Status / Work NEW
12. Remarks				RTHINESS APPROV ED ARE NOT CRITIC	/AL - ARTICLE CAL COMPONENTS.		
Quantity Description 2 FITTING ASSEMBLY			Part Number AA1K9-8-12	Serial # or Lot 11141702	#		
13a. Certifies the items identified above were manufactured in conformity to:			14a. 14 CFR 43.9 Return To Service Other Regulation Specified in Block 12				
X Approved design data and are in condition for safe operation. Non-approved design data specified in Block 12			Certifies thate unless othewise specified in block 12, the work identidied in block 11 and described in block 12 was accomplished in accordance with Title 14, Cde of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
13b. Authorized Signature: 13c. Approval / Authorization No. :			14b. Authorized Signature:		14c	. Approval / Authorization No. :	
13d. Name (Type Mark Kee			d/mmm/yyyy) 3/Sep/2020	14d. Name (Typed or Printed)		14e.	Date (dd/mmm/yyyy)
Where the user/ins Bllock1, it is essent Country specified r Statement in Block	taller performs work in tial that the user/installen Block 1. ss 13a and 14a do not	accordance with the nation er ensures that his/her airwi	ne does not automatically conal regulations of an airworth forthiness authority accepts a fication. In all cases aircraft the aircraft may be flown.	hiness authority differen aircraft engine(s)/propel	nt than the airworthiness a eller(s)/article(s) from the	authority of the cour airworthiness autho	prity of the

FAA Form 8130-3 (02-14) NSN 0052-00-012-9005

Authorit	ng Civil Aviation 2. ity/Country: TED STATES	3. Form Tracking Number: 028526						
	n Name and Address:	5. Work Order/Contract/Invoice Number: P.O. # 0037165 Page 1 of 3						
6. Item	7. Description		art Number	9. Quantity	10.Serial Number	11. Status / Work		
1	See Ble	lock 12	See Block 12	See Block 12	See Block 12	NEW		
12. Remarks AIRWORTHINESS APPROVAL - ARTICLE PARTS LISTED ARE NOT CRITICAL COMPONENTS.								
Qua	antity Description		Part Number	Serial # or Lot	#			
	2 SPEED SENSOR		AA213181	0AWR				
	2 FITTING ASSEMBLY		AA1K10-4-8	08051910				
	2 FITTING ASSEMBLY		AA1K10-6-10	2				
	2 FITTING ASSEMBLY		AA1K10-6-12	1				
	2 FITTING ASSEMBLY		AA1K10-8-12	1				
	2 FITTING ASSEMBLY		AA1K1-4-6	3				
	2 FITTING ASSEMBLY		AA1K14-6-6-6	04B1				
	2 FITTING ASSEMBLY		AA1K1-4-8	1				
	2 FITTING ASSEMBLY		AA1K1-6-10	08061802				
	2 FITTING ASSEMBLY		AA1K1-6-8	02111402				
	2 FITTING ASSEMBLY		AA1K1-8-10	11071702				
13a. Certifies the items identified above were manufactured in conformity to: 14a. 14 CFR 43.9 Return To Service Other Region Other Re						gulation Specified in Block 12		
	ved design data and are in condi pproved design data specified in		block 12 was accom	Certifies thate unless othewise specified in block 12, the work identified in block 11 and described in block 12 was accomplished in accordance with Title 14, Cde of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
13b. Authorized	Signature:	13c. Approval / Authorization No. : 640347462	712171411101204		14c	. Approval / Authorization No. :		
13d. Name (Typed or Printed) Mark Keeney Jr. 13e.Date (dd/mmm/yyyy) 03/Sep/2020		13e.Date (dd/mmm/yyyy)	14d. Name (Typed	d or Printed)	14e.	.Date (dd/mmm/yyyy)		
Where the user/inst Bllock1, it is essent Country specified r	staller performs work in accordance ntial that the user/installer ensures the n Block 1.	s document alone does not automatical se with the national regulations of an airv that his/her airworthiness authority acce	worthiness authority differen epts aircraft engine(s)/propel	nt than the airworthiness a eller(s)/article(s) from the a	authority of the cour airworthiness autho	prity of the		
		installation certification. In all cases airc /installer before the aircraft may be flow		nust contain an installatio	n certification issue	ed in		