



**U.S. Department
of Transportation**

**Federal Aviation
Administration**

Wichita Manufacturing Inspection
District Office
1801 Airport Road, Room 101
Mid-Continent Airport
Wichita, Kansas 67209

February 4, 2004

Mr. Lee Budde
Quality Assurance Manager
Airframes, Inc.
P.O. Box 521795
Commanche Circle
Big Lake, Alaska 99652

Dear Mr. Budde:

In accordance with the provisions of 14 CFR part 21 (part 21), Subpart K, we have found that the design data, based on Test & Computation, submitted by Airframes, Inc., with letter dated February 3, 2005, 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 Airframes, Inc. has established the fabrication inspection system required by part 21 § 21.303(h) at Commanche Circle, Big Lake, Alaska 99652. Accordingly, Parts Manufacturing Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement Number 21.

You are reminded that the provisions of the Federal Aviation Regulations, noted in our PMA letter of approval dated June 1, 1998 also apply to the enclosed PMA Listing-Supplement Number 21.

Sincerely,

for Clemente Figueroa, Manager
Wichita Manufacturing Inspection
District Office

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

AirFrames, Inc.
P.O. Box 521795
Commanche Circle
Big Lake, Alaska 99652

PMA No.: PQ2644CE
Supplement No. 21
Date: February 4, 2005

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Baffle Assembly	AF0750128-66	0750128-66 0750128-118 0750128-53 0750128-165 0750128-154	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0750128-66 <u>Date:</u> 12/27/2004 Or later FAA approved revision	Cessna	185
Baffle Assembly	AF0750128-20	0750128-20 0750128-53	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0750128-20 <u>Date:</u> 12/29/2004 Or later FAA approved revision	Cessna	180 S/N 32151 & up 182, 185
Baffle Assembly	AF0750128-21	0750128-21 0750128-153	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0750128-21 <u>Date:</u> 12/29/2004 Or later FAA approved revision	Cessna	180 S/N 32151 & up 182, 185
Baffle Assembly	AF0750128-97	0750128-97 0750128-100 0750128-152	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0750128-97 <u>Date:</u> 12/27/2004 Or later FAA approved revision	Cessna	185
Baffle Assembly	AF0750128-22	0750128-22 0750128-44 0750128-50	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0750128-22 <u>Date:</u> 12/29/2004 Or later FAA approved revision	Cessna	180, 182
Baffle Assembly	AF0750128-23	0750128-23 0750128-93	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0750128-23 <u>Date:</u> 12/6/2004 Or later FAA approved revision	Cessna	180, 182, 185

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PMA No.: PQ2644CE
Supplement No. 21
Date: February 4, 2005

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Baffle Assembly	AF0750128	0750128-24 0750128-38 0750128-119	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0750128 <u>Date:</u> 12/27/2004 Or later FAA approved revision	Cessna	180, 182, 185
Baffle Assembly	AF0755052-1	0750128-25 0750128-40 0750128-35 0750149-1	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0755052-1 <u>Date:</u> 12/6/2004 Or later FAA approved revision	Cessna	180, 182, 185 – with congealing type oil cooler
Baffle Assembly	AF0755050-10	0750128-25 0750128-40 0750128-35 0750149-1	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0755050-10 <u>Date:</u> 12/6/2004 Or later FAA approved revision	Cessna	180, 182, 185 – with non-congealing 10" type oil cooler
Baffle Assembly	AF0755050-11	0750128-25 0750128-40 0750128-35 0750149-1	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0755050-11 <u>Date:</u> 12/27/2004 Or later FAA approved revision	Cessna	180, 182, 185 – with non-congealing 11" type oil cooler
Baffle Assembly	AF0750128-19	0750128-19 0750128-94	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0750128-19 <u>Date:</u> 12/6/2004 Or later FAA approved revision	Cessna	180, 182, 185
Baffle	AF0750135-8	0750135-8	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF180-182-185-5 <u>Date:</u> 12/2/2004 Or later FAA approved revision	Cessna	180 S/N 32151 & up 182, 185

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Supplement No. 21
Date: February 4, 2005

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Baffle Support	AF0750117-31	0750117-31	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF180-182-185-5 <u>Date:</u> 12/2/2004 Or later FAA approved revision	Cessna	180, 182, 185
Baffle	AF0750135-3	0750135-3	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF180-182-185-5 <u>Date:</u> 12/2/2004 Or later FAA approved revision	Cessna	180 S/N 32151 & up 182, 185
Baffle Support	AF0851700-96	0851700-96	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF180-182-185-5 <u>Date:</u> 12/2/2004 Or later FAA approved revision	Cessna	180, 182, 185
Baffle	AF0750135-1	0750135-1	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF180-182-185-5 <u>Date:</u> 12/2/2004 Or later FAA approved revision	Cessna	180 S/N 32151 & up 182, 185
Baffle Assembly	AF0550163	0550163 0550163-4	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0550163 <u>Date:</u> 12/22/2004 Or later FAA approved revision	Cessna	170B, 172 – S/N 28000 thru 47746
Baffle Assembly	AF0550164-7	0550164-7	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0550164-7 <u>Date:</u> 12/28/2004 Or later FAA approved revision	Cessna	170B, 172 – S/N 28000 thru 47746

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Supplement No. 21
Date: February 4, 2005

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Baffle Assembly	AF0550164-11	0550164-11	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0550164-11 <u>Date:</u> 12/27/2004 Or later FAA approved revision	Cessna	170B, 172 – S/N 28000 thru 47746
Baffle Assembly	AF0550165-6	0550165-6	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0550165-6 <u>Date:</u> 12/22/2004 Or later FAA approved revision	Cessna	170B, 172 – S/N 28000 thru 47746
Baffle Assembly	AF0550111-7	0550111-7	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0550111-7 <u>Date:</u> 12/22/2004 Or later FAA approved revision	Cessna	170B, 172 – S/N 28000 thru 47746
Baffle Assembly	AF0550165-2	0550165-2	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0550165-2 <u>Date:</u> 12/22/2004 Or later FAA approved revision	Cessna	170B, 172 – S/N 28000 thru 47746
Baffle Assembly	AF0550164-10	0550164-10	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0550164-10 <u>Date:</u> 12/27/2004 Or later FAA approved revision	Cessna	170B, 172 – S/N 28000 thru 47746
Baffle Assembly	AF0550164-8	0550164-8	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0550164-8 <u>Date:</u> 12/27/2004 Or later FAA approved revision	Cessna	170B, 172 – S/N 28000 thru 47746

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PMA No.: PQ2644CE
Supplement No. 21
Date: February 4, 2005

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Baffle Assembly	AF0550322-3	0550322-3	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0550322-3 <u>Date:</u> 2/2/2005 Or later FAA approved revision	Cessna	170B, 172 – S/N 28000 thru 47746
Baffle Assembly	AF0550322-2	0550322-2	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0550322-2 <u>Date:</u> 2/2/2005 Or later FAA approved revision	Cessna	170B, 172 – S/N 28000 thru 47746
Baffle Support	AF0450209	0450209	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF150-1 <u>Date:</u> 12/15/2004 Or later FAA approved revision	Cessna	170B, 172 – S/N 28000 thru 47746
Baffle Support	AF0450210	0450210	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF150-1 <u>Date:</u> 12/15/2004 Or later FAA approved revision	Cessna	170B, 172 – S/N 28000 thru 47746
Baffle	AF00550	0550	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0550 <u>Date:</u> 12/27/2004 Or later FAA approved revision	Cessna	170B, 172 – S/N 28000 thru 47746
Brace -Baffle	AF0550111-4	0550111-4	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF170-172-2 <u>Date:</u> 12/16/2004 Or later FAA approved revision	Cessna	170B, 172 – S/N 28000 thru 47746

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

AirFrames, Inc.
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Big Lake, Alaska 99652

PMA No.: PQ2644CE
Supplement No. 21
Date: February 4, 2005

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Baffle Assembly	AF0450502-42	0450502-5 0450502-27 0450502-36 0450502-38 0450502-42	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0450502-42 <u>Date:</u> 12/28/2004 Or later FAA approved revision	Cessna	150
Baffle Assembly	AF0450502-19	0450502-19 0450502-31	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0450502-19 <u>Date:</u> 12/28/2004 Or later FAA approved revision	Cessna	150 – S/N 17001 thru 15060087
Baffle Assembly	AF0455001-3	0455001-3 0455001-5	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0455001-3 <u>Date:</u> 12/27/2004 Or later FAA approved revision	Cessna	150 – S/N 1506087 & up
Baffle Assembly	AF0455001-2	0455001-2 0455001-4	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0455001-2 <u>Date:</u> 12/28/2004 Or later FAA approved revision	Cessna	150 – S/N 1506087 & up
Baffle Assembly	AF0450502-16	0450502-2 0450502-10 0450502-32 045050302-1	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0450502-16 <u>Date:</u> 12/16/2004 Or later FAA approved revision	Cessna	150 – S/N 17001 thru 15060087
Baffle Assembly	AF0450322-2	0450322	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0450322-2 <u>Date:</u> 12/27/2004 Or later FAA approved revision	Cessna	150

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Supplement No. 21
Date: February 4, 2005

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Baffle Assembly	AF0450322-3	0450322-2	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF0450322-3 <u>Date:</u> 12/27/2004 Or later FAA approved revision	Cessna	150
Baffle Assembly	AF0450210	0450210	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF150-1 <u>Date:</u> 12/15/2004 Or later FAA approved revision	Cessna	150
Baffle Assembly	AF0450209	0450209	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF150-1 <u>Date:</u> 12/15/2004 Or later FAA approved revision	Cessna	150
Baffle Assembly	AF0450171	0450171	Test and Computation per 14CFR 21.303 <u>DWG No:</u> AF150-1 <u>Date:</u> 12/15/2004 Or later FAA approved revision	Cessna	150

-----End of Listing-----

Note: Minor design changes (reference 14 CFR part 21 §21.93 and §21.95) must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR part 21 §21.93 and §21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.



for Clemente Figueroa, Manager
Wichita Manufacturing Inspection
District Office



U.S. Department
of Transportation
**Federal Aviation
Administration**

Small Airplane Directorate
Manufacturing Inspection District Office
6020 28th Avenue South, Room 103
Minneapolis, Minnesota 55450-2700

February 26, 2014

Mrs. Kelcy Schachle
Airforms, Inc.
P.O. Box 521795
Big Lake, Alaska 99652

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Dear Ms. Schachle:

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), part 21, Certification Procedures for Products, Articles, and Parts, subpart K, the FAA has found that the design data, based on the Test and Computations approval letter from the FAA Anchorage Aircraft Certification Office, dated February 19, 2014, with your request letter dated February 25, 2014, meet the airworthiness requirements of the regulations applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that Airforms, Inc. has established the quality system required by § 21.307 at 1166 Tom Parkers Way, Big Lake, Alaska. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 21, dated February 26, 2014.

You are reminded that the provisions of 14 CFR, parts 21 and 45, noted in our PMA letter of approval dated January 22, 2010, also apply to the enclosed PMA Listing-Supplement No. 21. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

Timothy L. Bonderer
Manager, Minneapolis MIDO

Enclosure: PMA Supplement No. 21

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Airforms, Inc.
1166 Tom Parkers Way.
Big Lake, Alaska 99652

PMA No. PQ2644CE
Supplement No. 21
Date: February 26, 2014

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Brake disc	AF5004272	5004272	Test and computations per 14 CFR Sec. 21.303 <u>Dwg No:</u> AF5004272 <u>Rev:</u> A <u>Date:</u> 01/14/2014 or later FAA approved revision	EADS-CASA	212-CC, 212-CD, 212-CE, and 212-CF

-----End of Listing-----

NOTE 1: 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.

NOTE 2: The FAA approved ICA for the above parts with their designs. These ICA may refer to those of the respective parts from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement parts. Make referral statements or supplemental ICA readily available per 14 CFR 21.50.


August A. Asay
Manager, Anchorage Aircraft Certification Office


Tim Bonderer, Manager
Manager, Minneapolis Manufacturing Inspection District Office