U.S. Department of Transportation
Federal Aviation Administration

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

August 15, 2007

Mr. Lee Budde
Airframes, Inc.
P.O. Box 521795
Comanche Circle
Big Lake, Alaska 99652

Dear Mr. Budde:

Per 14 CFR part 21 subpart K, we found design data submitted with your letter dated July 31, 2007 to meet the airworthiness requirements of the regulations for the products on which the parts are to be installed. We based our finding on testing and computations. Also, we determined that your company set up the fabrication inspection system at Comanche Circle, Big Lake, Alaska as required by 14 CFR § 21.303(h). Therefore, we grant parts manufacturing approval (PMA), which authorizes you to produce the replacement parts in the enclosed Supplement No. 36, dated August 15, 2007.

We remind you that the provisions of 14 CFR, noted in our PMA letter of approval dated June 1, 1998, also apply to the enclosed PMA Listing-Supplement No. 36. Please keep the enclosed supplement with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

Cynthia Sanders
for Clemente Figueroa, Manager
Wichita Manufacturing Inspection
District Office

cc: G. Holt, AK ACO

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Airframes, Inc.
P.O. Box 521795
Comanche Circle
Big Lake, Alaska 99652

PMA No.: PQ2644CE
Supplement No. 36
Date: August 15, 2006

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Rear Baffle Assy.	AF0550121	0550121	Test and Computation per 14 CFR 21.303. Drawing No. AF0550121 Rev: None Dated: 2-19-07 or later FAA-approved revision.	Cessna	170A-Serial 18730 Thru 20266 170B-Serial 20267 Thru 25372
Top Crankcase Baffle Assy.	AF0550114	0550114	Test and Computation per 14 CFR 21.303. Drawing No. AF0550114 Rev: None Dated: 2-19-07 or later FAA-approved revision	Cessna	170A-Serial 18730 Thru 20266 170B-Serial 20267 Thru 25372
Left Upper Cylinder Baffle Assy.	AF0550115	0550115	Test and Computation per 14 CFR 21.303. Drawing No. AF0550115 Rev: None Dated: 2-19-07 or later FAA-approved revision	Cessna	170A-Serial 18730 Thru 20266 170B-Serial 20267 Thru 25372
Right Upper Cylinder Baffle Assy.	AF0550116	0550116	Test and Computation per 14 CFR 21.303. Drawing No: AF0550116 Rev: None Dated: 2-19-07 or later FAA-approved revision.	Cessna	170A-Serial 18730 Thru 20266 170B-Serial 20267 Thru 25372
Rocker Cover Baffle Assy.	AF0550106	0550106	Test and Computation per 14 CFR 21.303. Drawing No: AF0550106 Rev: None Dated: 2-19-07 or later FAA-approved revision.	Cessna	170A-Serial 18730 Thru 20266 170B-Serial 20267 Thru 25372
Inner Head Baffle Assy.	AF0550117	0550117	Test and Computation per 14 CFR 21.303. Drawing No: AF0550117 Rev. None Dated: 8-15-05 or later FAA-approved revision.	Cessna	170A-Serial 18730 Thru 20266 170B-Serial 20267 Thru 25372

FEDERAL AVIATION ADMINISTRATION – DELEGATION OF AUTHORITY

Airworthiness Inc.
P.O. Box 421703
Compass Circle
Big Lake, Alaska 99002

FAA Mod. Approval No. 16
Supplement No. 35
Date: August 13, 2006

Model	Type Certificate Data Sheet No.	Approved Engine Models	Approved Propellers and Approved Dates	Approved Modifications
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Model	Type Certificate Data Sheet No.	Approved Engine Models	Approved Propellers and Approved Dates	Approved Modifications
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Model	Type Certificate Data Sheet No.	Approved Engine Models	Approved Propellers and Approved Dates	Approved Modifications
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Airframes, Inc.
P.O. Box 521795
Comanche Circle
Big Lake, Alaska 99652

PMA No.: PQ2644CE
Supplement No. 36
Date: August 15, 2006

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Left Front Baffle Assy.	AF0550112	0550112	Test and Computation per 14 CFR 21.303. Drawing No: AF0550112 Rev: None Dated: 2-19-07 or later FAA-approved revision.	Cessna	170A-Serial 18730 Thru 20266 170B-Serial 20267 Thru 25372
Right Front Baffle Assy.	AF0550113	0550113	Test and Computation per 14 CFR 21.303. Drawing No: AF0550113 Rev: None Dated: 2-19-07 or later FAA-approved revision.	Cessna	170A-Serial 18730 Thru 20266 170B-Serial 20267 Thru 25372
Forward Lower Baffle Assy.	AF0550111	0550111	Test and Computation per 14 CFR 21.303. Drawing No: AF0550111 Rev: None Dated: 2-19-07 or later FAA-approved revision	Cessna	170A-Serial 18730 Thru 20266 170B-Serial 20267 Thru 25372
Brace Assy.	AF0450210	0450210	Test and Computation per 14 CFR 21.303. Drawing No: AF0450210 Rev: None Dated: 8-11-06 or later FAA-approved revision.	Cessna	170A-Serial 18730 Thru 20266 170B-Serial 20267 Thru 25372
Brace Assy.	AF0450209	0450209	Test and Computation per 14 CFR 21.303. Drawing No: AF0450209 Rev: None Dated: 8-11-06 or later FAA-approved revision.	Cessna	170A-Serial 18730 Thru 20266 170B-Serial 20267 Thru 25372
Baffle Assy.	AF0450171	0450171	Test and Computation per 14 CFR 21.303. Drawing No: AF0450171 Rev: None Dated: 8-11-06 or later FAA-approved revision.	Cessna	170A-Serial 18730 Thru 20266 170B-Serial 20267 Thru 25372

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Airframes, Inc.
P.O. Box 521795
Comanche Circle
Big Lake, Alaska 99652

PMA No.: PQ2644CE
Supplement No. 36
Date: August 15, 2006

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Inner Cylinder Baffle Assy.	AF0450322-2	0450322-2	Test and Computation per 14 CFR 21.303. Drawing No: AF0450322-2 Rev: None Dated: 12-27-04 or later FAA-approved revision.	Cessna	170A-Serial 18730 Thru 20266 170B-Serial 20267 Thru 25372
Inner Cylinder Baffle Assy.	AF0450322-3	0450322-3	Test and Computation per 14 CFR 21.303. Drawing No: AF0450322-3 Rev: None Dated: 12-27-04 or later FAA-approved revision.	Cessna	170A-Serial 18730 Thru 20266 170B-Serial 20267 Thru 25372

----------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.

for Cynthia Sandus

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

January 5, 2015

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 Test and Computations, the approval letter from the FAA Anchorage Aircraft Certification Office, dated January 5, 2015, with your request letter dated December 24, 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. 36, dated January 5, 2015.

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. 36. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

FOR

Timothy L. Bonderer
Manager, Minneapolis MIDO

Enclosure: PMA Supplement No. 36

U.S. Department
of Transportation
Federal Aviation Administration

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

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

PMA No. PQ2644CE
Supplement No 36
Dated: JAN 5 2015

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Baffle Assembly	AF0450502-22	0450502-22	Test and Computations per 14 CFR § 21.303. Dwg No: AF0450502-22 Rev: N/C Date: 11/28/05 or later FAA approved revisions	Cessna	150, 150A, 150B, 150C, 150D, 150E, 150F, 150G, 150H, 150J, 150K, F150K, A150K, FA150K
Baffle Assembly	AF0450502-23	0450502-23	Test and Computations per 14 CFR § 21.303. Dwg No: AF0450502-23 Rev: N/C Date: 11/28/05 or later FAA approved revisions	Cessna	150, 150A, 150B, 150C, 150D, 150E, 150F, 150G, 150H, 150J, 150K, F150K, A150K, FA150K
Baffle Assembly	AF0455000-4	0455000-4	Test and Computations per 14 CFR § 21.303. Dwg No: AF0455000-4 Rev: A Date: 2/6/13 or later FAA approved revisions	Cessna	150L, A150L, F150L, FA150L, 150M, A150M, F150M, FA150M
Baffle Assembly	AF0455000-11	0455000-11	Test and Computations per 14 CFR § 21.303. Dwg No: AF0455000-11 Rev: A Date: 2/6/13 or later FAA approved revisions	Cessna	150L, A150L, F150L, FA150L, 150M, A150M, F150M, FA150M
RH Rear Baffle Assembly	AF0555236-1	0555236-1	Test and Computations per 14 CFR § 21.303. Dwg No: AF0555236-1 Rev: A Date: 6/22/07 or later FAA approved revisions	Cessna	172N, F172N
Oil Cooler Baffle	AF0755001-24	0755001-24	Test and Computations per 14 CFR § 21.303. Dwg No: AF0755001-24 Rev: B Date: 6/5/13 or later FAA approved revisions	Cessna	182 w/ 7.625" congealing type oil cooler

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Welded Plate	AF1250134-2-WELD	1250134-2 And 1250134-1	Test and Computations per 14 CFR § 21.303. Dwg No: AF1250134-2-WELD Rev: A Date: 5/29/13 or later FAA approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E, A185F, A185FA 206, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G, P206, P206A, P206B, P206C, P206D, P206E
RH Front Baffle	AF68033-00	99778-00	Test and Computations per 14 CFR § 21.303. Dwg No: AF68033-00 Rev: N/C Date: 10/20/11 or later FAA approved revisions	Piper	PA-32-300, 32-300A, 32-300B, 32-300C, 32-300D, 32-300E
LH Front Baffle	AF68053-00	99766-00	Test and Computations per 14 CFR § 21.303. Dwg No: AF68053-00 Rev: A Date: 7/18/11 or later FAA approved revisions	Piper	PA-32-300, 32-300A, 32-300B, 32-300C, 32-300D, 32-300E
Oil Cooler Baffle	AF0755050-15	N/A	Test and Computations per 14 CFR § 21.303. Dwg No: AF0755050-15 Rev: A Date: 6/6/13 or later FAA approved revisions	Cessna	185 w/ 7.875" non-congealing type oil cooler
Baffle Assembly	AF0755050-9	N/A	Test and Computations per 14 CFR § 21.303. Dwg No: AF0755050-9 Rev: A Date: 6/6/13 or later FAA approved revisions	Cessna	185 w/ 9" non-congealing type oil cooler
Baffle Assembly	AF1250900-9	N/A	Test and Computations per 14 CFR § 21.303. Dwg No: AF1250900-9 Rev: A Date: 6/5/13 or later FAA approved revisions	Cessna	206, 207 w/ 9" non-congealing type oil cooler
Bracket	AF0750152-3	0750152-3	Test and Computations per 14 CFR § 21.303. Dwg No: AF0750152-3 Rev: C Date: 5/29/13 or later FAA approved revisions	Cessna	U206F, U206G
FWD LH Baffle	AF0750128-76	0750128-76	Test and Computations per 14 CFR § 21.303. Dwg No: AF0750128-76 Rev: N/C Date: 7/16/10 or later FAA approved revisions	Cessna	182E, 182F, 182G, 182H, 182J, 182K, 182L, 182M, 185, 185A, 185B, 185C, 185D, 185E, A185E, A185F

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Inner Cylinder Baffle	AF0851700-96	0851700-96	Test and Computations per 14 CFR § 21.303. Dwg No: AF0851700-96 Rev: B Date: 5/29/13 or later FAA approved revisions	Cessna	182E, 182F, 182G, 182H, 182J, 182K, 182L, 182M, 182N, 182P, 182Q, 182R F182P, F182Q
Spark Plug Cover	AF1250961-6	1250961-6	Test and Computations per 14 CFR § 21.303. Dwg No: AF1250961-6 Rev: A Date: 5/29/13 or later FAA approved revisions	Cessna	182P, 182Q, 182R F182P, F182Q
Spark Plug Cover	AF1250961-7	1250961-7	Test and Computations per 14 CFR § 21.303. Dwg No: AF1250961-7 Rev: A Date: 5/29/13 or later FAA approved revisions	Cessna	182P, 182Q, 182R F182P, F182Q
Baffle	AF1250961-5	1250961-5	Test and Computations per 14 CFR § 21.303. Dwg No: AF1250961-5 Rev: A Date: 5/29/13 or later FAA approved revisions	Cessna	182P, 182Q, 182R F182P, F182Q, U206F, U206G, U206F
LH Front Baffle	AF85486-002	85486-002	Test and Computations per 14 CFR § 21.303. Dwg No: AF85486-002 Rev: B Date: 3/22/12 or later FAA approved revisions	Piper	PA-28-181 Archer III
Baffle	AF85486-009	N/A	Test and Computations per 14 CFR § 21.303. Dwg No: AF85486-009 Rev: A Date: 5/29/13 or later FAA approved revisions	Piper	PA-28-181 Archer III
Oil Cooler Baffle	AF0755149-1	0755149-1	Test and Computations per 14 CFR § 21.303. Dwg No: AF0755149-1 Rev: A Date: 6/6/13 or later FAA approved revisions	Cessna	180/182 w/ 7.625" congealing type oil cooler

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Cover Plate	AF41608-15	41608-15	Test and Computations per 14 CFR § 21.303, Dwg No: AF41608-15 Rev: N/C Date: 11/21/11 or later FAA approved revisions	Piper	PA-31-310, PA-31-310 B, PA-31-310 C

----------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

FOR

Timothy L. Bonderer
Manager, Minneapolis MIDO