



**U.S. Department  
of Transportation**

**Federal Aviation  
Administration**

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

December 13, 2006

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

Dear Mr. Budde:

Enclosed is the revised copy of PMA supplement No. 32. Please return the original signed PMA supplement No. 32 dated November 17, 2006 to this office within 10 days of the receipt of this letter.

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. 32. Please keep the enclosed supplement with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

A handwritten signature in blue ink, appearing to read "C. Figueroa", with a stylized flourish at the end.

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. 32  
Date: November 17, 2006  
Revised December 13, 2006

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Baffle Assy. LH Rear Vertical	AF0555211-9	0555211-9	Test and Computation per 14 CFR 21.303. <u>Drawing No.</u> AF0555211-9, <u>Rev:</u> None <u>Dated:</u> 11/15/05 or later FAA-approved revision.	Cessna	172 - Serial Number 74010 & on, F172-02040 & on
Baffle Assy. RH #1 Cylinder	AF0555213-5	0555213-5	Test and Computation per 14 CFR 21.303. <u>Drawing No.</u> AF0555213-5 <u>Rev:</u> None <u>Dated:</u> 11/15/05 or later FAA-approved revision	Cessna	172 - Serial Number 74010 & on, F172-02040 & on
Baffle Assy. LH #2 Cylinder	AF0555214-7	0555214-7	Test and Computation per 14 CFR 21.303. <u>Drawing No.</u> AF0555214-7 <u>Rev:</u> None <u>Dated:</u> 11/16/05 or later FAA-approved revision	Cessna	172 - Serial Number 74010 & on, F172-02040 & on
Baffle Assy. LH #4 Cylinder	AF0555215-4	0555215-4	Test and Computation per 14 CFR 21.303. <u>Drawing No:</u> AF0555215-4 <u>Rev:</u> None <u>Dated:</u> 11/16/05 or later FAA-approved revision.	Cessna	172 - Serial Number 74010 & on, F172-02040 & on
Baffle Assy. RH Forward Vertical	AF0555250-9	0555250-9	Test and Computation per 14 CFR 21.303. <u>Drawing No:</u> AF0555250-9 <u>Rev:</u> None <u>Dated:</u> 11/16/05 or later FAA-approved revision.	Cessna	172 - Serial Number 74010 & on, F172-02040 & on
Baffle Assy. LH Forward Vertical	AF0555259-14	0555259-14	Test and Computation per 14 CFR 21.303. <u>Drawing No:</u> AF0555259-14 <u>Rev:</u> None <u>Dated:</u> 11/16/05 or later FAA-approved revision.	Cessna	172 - Serial Number 74010 & on, F172-02040 & on

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

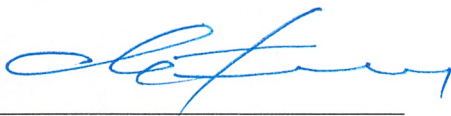
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PMA No.: PQ2644CE  
Supplement No. 32  
Date: November 17, 2006  
Revised December 13, 2006

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Adapter Assy.	AF0555307-1	0555307-1	Test and Computation per 14 CFR 21.303. <u>Drawing No.</u> AF0555307-1 <u>Rev:</u> None <u>Dated:</u> 11/16/05 or later FAA-approved revision.	Cessna	172 - Serial Number 74010 & on, F172-02040 & on
Baffle Assy. RH Rear	AF0555309-1	0555309-1	Test and Computation per 14 CFR 21.303. <u>Drawing No.</u> AF0555309-1 <u>Rev:</u> None <u>Dated:</u> 11/16/05 or later FAA-approved revision.	Cessna	172 - Serial Number 74010 & on, F172-02040 & on
Baffle Assy. RH #3 Cylinder	AF0555318-1	0555318-1	Test and Computation per 14 CFR 21.303. <u>Drawing No.</u> AF0555318-1 <u>Rev:</u> None <u>Dated:</u> 11/16/05 or later FAA-approved revision.	Cessna	172 - Serial Number 74010 & on, F172-02040 & on

-----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.



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

November 6, 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 Test and Computations, the approval letter from the FAA Anchorage Aircraft Certification Office, dated November 3, 2014, with your request letter dated November 6, 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. 32, dated November 6, 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. 32. 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. 32



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 32  
Dated: NOV 6 2014

Page 1 of 6

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Baffle Assembly - Right Cylinder	AF0450502-16	0450502-16	Test and computations per 14 CFR Sec. 21.303 DWG: AF0450502-16 Rev: D <u>Date</u> : 8/5/10 or later FAA approved revisions	Cessna Aircraft Company	150D, 150E
Baffle Assembly - Left Cylinder	AF0450502-19	0450502-19	Test and computations per 14 CFR Sec. 21.303 DWG: AF0450502-19 Rev: B <u>Date</u> : 8/5/10 or later FAA approved revisions	Cessna Aircraft Company	150D, 150E
Baffle Assembly - Horizontal RH	AF0455001-2	0455001-2	Test and computations per 14 CFR Sec. 21.303 DWG: AF0455001-2 Rev: A <u>Date</u> : 8/10/10 or later FAA approved revisions	Cessna Aircraft Company	150L, 150M F150L, F150M A150L, A150M FA150L, FA150M
Baffle Assembly - Horizontal LH	AF0455001-3	0455001-3	Test and computations per 14 CFR Sec. 21.303 DWG: AF0455001-3 Rev: D <u>Date</u> : 8/10/10 or later FAA approved revisions	Cessna Aircraft Company	150L, 150M F150L, F150M A150L, A150M FA150L, FA150M
Baffle Assembly	AF0455018-22	0455018-22	Test and computations per 14 CFR Sec. 21.303 DWG: AF0455018-22 Rev: D <u>Date</u> : 1/1/14 or later FAA approved revisions	Cessna Aircraft Company	152, F152, A152 FA152
Baffle - Inner Cylinder Head	AF0450171	0450171	Test and computations per 14 CFR Sec. 21.303 DWG: AF0450171 Rev: B <u>Date</u> : 5/29/13 or later FAA approved revisions	Cessna Aircraft Company	170B 172, 172A

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Baffle - Inter Cylinder	AF0450322-2	0450322-2	Test and computations per 14 CFR Sec. 21.303 DWG: AF0450322-2 Rev: A Date: 8/11/10 or later FAA approved revisions	Cessna Aircraft Company	170B 172, 172A
Baffle - Inter Cylinder	AF0450322-3	0450322-3	Test and computations per 14 CFR Sec. 21.303 DWG: AF0450322-3 Rev: A Date: 8/11/10 or later FAA approved revisions	Cessna Aircraft Company	170B 172, 172A
Baffle - Inner Cylinder	AF0550117	0550117	Test and computations per 14 CFR Sec. 21.303 DWG: AF0550117 Rev: B Date: 11/2/13 or later FAA approved revisions	Cessna Aircraft Company	170B 172, 172A
Baffle Assembly - Forward Vertical LH	AF0555199-1	0555199-1	Test and computations per 14 CFR Sec. 21.303 DWG: AF0555199-1 Rev: C Date: 7/2/12 or later FAA approved revisions	Cessna Aircraft Company	172I, 172K, 172L, 172M F172L, F172M
Baffle Assembly - Forward Vertical RH	AF0555199-2	0555199-2	Test and computations per 14 CFR Sec. 21.303 DWG: AF0555199-2 Rev: A Date: 6/25/12 or later FAA approved revisions	Cessna Aircraft Company	172I, 172K, 172L, 172M F172L, F172M
Baffle Assembly - #4 Cylinder	AF0555202-1	0555202-1	Test and computations per 14 CFR Sec. 21.303 DWG: AF0555202-1 Rev: A Date: 2/19/08 or later FAA approved revisions	Cessna Aircraft Company	172I, 172K, 172L, 172M F172L, F172M
Baffle Assembly - #1 Cylinder	AF0555203-1	0555203-1	Test and computations per 14 CFR Sec. 21.303 DWG: AF0555203-1 Rev: N/C Date: 6/26/06 or later FAA approved revisions	Cessna Aircraft Company	172I, 172K, 172L, 172M F172L, F172M
Baffle Assembly - #3 Cylinder	AF0555204-1	0555204-1	Test and computations per 14 CFR Sec. 21.303 DWG: AF0555204-1 Rev: B Date: 2/19/08 or later FAA approved revisions	Cessna Aircraft Company	172I, 172K, 172L, 172M F172L, F172M

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Baffle Assembly - #2 Cylinder	AF0555205-1	0555205-1	Test and computations per 14 CFR Sec. 21.303 DWG: AF0555205-1 Rev: A Date: 1/1/14 or later FAA approved revisions	Cessna Aircraft Company	172I, 172K, 172L, 172M F172L, F172M
Baffle Assembly - Rear RH	AF0555206-1	0555206-1	Test and computations per 14 CFR Sec. 21.303 DWG: AF0555206-1 Rev: B Date: 10/8/06 or later FAA approved revisions	Cessna Aircraft Company	172I, 172K, 172L, 172M F172L, F172M
Baffle Assembly - Rear LH	AF0555207-1	0555207-1	Test and computations per 14 CFR Sec. 21.303 DWG: AF0555207-1 Rev: B Date: 6/25/12 or later FAA approved revisions	Cessna Aircraft Company	172I, 172K, 172L, 172M F172L, F172M
Baffle - Inter Cylinder	AF0750135-4	0750135-4	Test and computations per 14 CFR Sec. 21.303 DWG: AF0750135-4 Rev: B Date: 5/29/13 or later FAA approved revisions	Cessna Aircraft Company	180J, 180K 182F, 182G, 182H, 182J, 182K, 182L, 182M, 182N, 182P, 182Q, 182R F182P, F182Q 185B, 185C, 185D, 185E, A185E, A185F 206, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G, P206, P206A 207, 207T
Support	AF0750117-31	0750117-31	Test and computations per 14 CFR Sec. 21.303 DWG: AF0750117-31 Rev: B Date: 5/29/13 or later FAA approved revisions	Cessna Aircraft Company	206, U206A, U206B, U206C, U206D, U206E, U206F, U206G 207, 207T 210, 210A, 210B, 210C, 210D, 210E, 210F, 210G, 210H, 210J, 210K, 210L T210F, T210G, T210H, T210J, T210K, T210L
Support	AF0851700-96	0851700-96	Test and computations per 14 CFR Sec. 21.303 DWG: AF0851700-96 Rev: B Date: 5/29/13 or later FAA approved revisions	Cessna Aircraft Company	206, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G, 207, 207T 210, 210A, 210B, 210C, 210D, 210E, 210F, 210G, 210H, 210J, 210K, 210L T210F, T210G, T210H, T210J, T210K, T210L

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Baffle Assembly - Inter Cylinder	AF0750135-1	0750135-1	Test and computations per 14 CFR Sec. 21.303 DWG: AF0750135-1 Rev: B Date: 9/30/10 or later FAA approved revisions	Cessna Aircraft Company	206, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G 207, 207T
Baffle - Forward RH Inter Cylinder	AF0750135-3	0750135-3	Test and computations per 14 CFR Sec. 21.303 DWG: AF0750135-3 Rev: B Date: 5/29/13 or later FAA approved revisions	Cessna Aircraft Company	206, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G 207, 207T
Baffle Assembly - Fwd Lower LH	AF1250966-1	1250966-1	Test and computations per 14 CFR Sec. 21.303 DWG: AF1250966-1 Rev: A Date: 10/29/10 or later FAA approved revisions	Cessna Aircraft Company	U206F, U206G
Baffle Assy - Forward Lwr LH	AF1255009-8	1255009-8	Test and computations per 14 CFR Sec. 21.303 DWG: AF1255009-8 Rev: B Date: 10/27/10 or later FAA approved revisions	Cessna Aircraft Company	U206G
Baffle Assy - RH Fwd	AF1255010-10	1255010-10	Test and computations per 14 CFR Sec. 21.303 DWG: AF1255010-10 Rev: A Date: 10/29/10 or later FAA approved revisions	Cessna Aircraft Company	U206F, U206G
Baffle Assembly - Fwd	AF1255028-1	1255028-1	Test and computations per 14 CFR Sec. 21.303 DWG: AF1255028-1 Rev: D Date: 11/1/10 or later FAA approved revisions	Cessna Aircraft Company	U206F, U206G
Baffle Assembly - Rear RH	AF1250100-18	1250100-18	Test and Computations per 14 CFR § 21.303 Dwg: AF1250100-18 Rev: N/C Date: 1/6/06 or later FAA approved revisions	Cessna Aircraft Company	206, U206A, U206B, U206C, U206D, U206E P206, P206A, P206B, P206C, P206D, P206E
Bracket	AF1250966-3	1250966-3	Test and Computations per 14 CFR § 21.303, Dwg: AF1250966-3 Rev: B Date: 5/29/13 or later FAA approved revisions	Cessna Aircraft Company	U206F, U206G



Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Baffle	AF0750152-3	0750152-3 And 0750152-4	Test and computations per 14 CFR Sec. 21.303 Dwg: AF0750152-4 Rev: C Date: 5/29/13 or later FAA approved revisions	Cessna Aircraft Company	210K, 210L T210K, T210L
BRACKET - Rear baffle reinforcement	AF63605-00	63605-00	Test and computations per 14 CFR Sec. 21.303 Dwg: AF63605-00 Rev: B Date: 5/29/13 or later FAA approved revisions	Piper Aircraft, Inc.	PA-28-140 PA-28-150 PA-28-160 PA-28-180
BAFFLE ASSEMBLY - Engine, left rear	AF68029-09	68029-09	Test and computations per 14 CFR Sec. 21.303 Dwg: AF68029-09 Rev: N/C Date: 2/24/09 or later FAA approved revisions	Piper Aircraft, Inc.	PA-32R-300 PA-32-300
BAFFLE ASSEMBLY - Engine, right rear	AF68030-10	68030-10	Test and computations per 14 CFR Sec. 21.303 Dwg: AF68030-10 Rev: D Date: 7/18/11 or later FAA approved revisions	Piper Aircraft, Inc.	PA-32R-300 PA-32-300
BAFFLE ASSEMBLY - Engine, rear center	AF68031-05	68031-05	Test and computations per 14 CFR Sec. 21.303 Dwg: AF68031-05 Rev: N/C Date: 2/24/09 or later FAA approved revisions	Piper Aircraft, Inc.	PA-32-300
BAFFLE ASSEMBLY - Left side rear	AF68830-00	68830-00	Test and computations per 14 CFR Sec. 21.303 Dwg: AF68830-00 Rev: A Date: 2/2/10 or later FAA approved revisions	Piper Aircraft, Inc.	PA-32R-300 PA-32-300
BAFFLE ASSEMBLY - Left side center	AF68831-00	68831-00	Test and computations per 14 CFR Sec. 21.303 Dwg: AF68831-00 Rev: A Date: 2/2/10 or later FAA approved revisions	Piper Aircraft, Inc.	PA-32R-300 PA-32-300

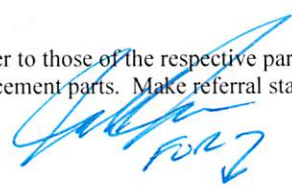
Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
BAFFLE ASSEMBLY - Left side front	AF68832-00	68832-00	Test and computations per 14 CFR Sec. 21.303 Dwg: AF68832-00 Rev: A Date:2/2/10 or later FAA approved revisions	Piper Aircraft, Inc.	PA-32R-300 PA-32-300
BAFFLE ASSEMBLY - Right side rear	AF68833-00	68833-00	Test and computations per 14 CFR Sec. 21.303 Dwg: AF68833-00 Rev: A Date:2/2/10 or later FAA approved revisions	Piper Aircraft, Inc.	PA-32-300
BAFFLE ASSEMBLY - Right side center	AF68834-00	68834-00	Test and computations per 14 CFR Sec. 21.303 Dwg: AF68834-00 Rev: A Date:2/2/10 or later FAA approved revisions	Piper Aircraft, Inc.	PA-32R-300 PA-32-300
BAFFLE ASSEMBLY - Right side front	AF68835-00	68835-00	Test and computations per 14 CFR Sec. 21.303 Dwg: AF68835-00 Rev: A Date:2/2/10 or later FAA approved revisions	Piper Aircraft, Inc.	PA-32R-300 PA-32-300

-----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

  
**Timothy L. Bonderer**  
Manager, Minneapolis MIDO