



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

August 17, 2012

Mr. Levi Ward
Airforms, Inc.
P.O. Box 521795
1166 Tom Parker Way
Big Lake, Alaska 99652

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Dear Mr. Ward:

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 Computation letter dated April 13, 2012, and on your letter dated August 16, 2012, 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 Parker Way, Big Lake, Alaska. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 13, dated August 17, 2012.

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

Sincerely,

Richard P. Warren
Manager, Minneapolis MIDO

Enclosure: Supplement No. 13



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

PMA NO. PQ2644CE
SUPPLEMENT NO. 13
DATED: August 17, 2012

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Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
RH Front Baffle Assembly	AF41605-11	41605-11	Test and Computations per 14CFR 21.303. Drawing No. AF41605-11 Rev: C Dated: 11/15/11*	Piper Aircraft, Inc	PA31-310 S/N: 31-2 through 31-822031 PA31-325 S/N: 31-7512001 through 31-8312019 PA31-350 S/N: 31-7305001 through 31-8553002
CNT Front Baffle Assembly	AF41927-08	41927-08	Test and Computations per 14 CFR 21.303. Drawing No. AF41927-08 Rev: A Dated: 11/21/11*	Piper Aircraft, Inc	PA31-310 S/N: 31-2 through 31-822031 PA31-325 S/N: 31-7512001 through 31-8312019 PA31-350 S/N: 31-7305001 through 31-8553002
Baffle Assembly	AF41974-00	41974-00	Test and Computations per 14 CFR 21.303. Drawing No. AF41974-00 Rev: A Dated: 11/15/11*	Piper Aircraft, Inc	PA31-310 S/N: 31-2 through 31-822031
Plenum/Air filter Assembly	AF41594-00	41594-00	Test and Computations per 14 CFR 21.303. Drawing No. AF41594-00 Page 1 of 3, Rev: A, dated 11/21/11* and Drawing No. AF41594-00 Page 2 and 3 of 3 Rev: Original Dated: 8/24/10*	Piper Aircraft, Inc	PA31-310 S/N: 31-2 through 31-822031

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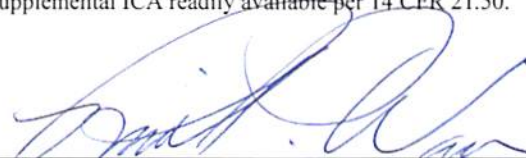
Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Plenum Cap Assembly	AF41594	41704-00	Test and Computations per 14 CFR 21.303. Drawing No. AF41594 Rev: A Dated: 11/16/11*	Piper Aircraft Inc.	PA31-310 S/N: 31-2 through 31-822031
Baffle Assembly	AF41607-00	41607-00	Test and Computations per 14 CFR 21.303. Drawing No. AF41607-00 Rev: A Dated: 11/22/11*	Piper Aircraft, Inc	PA31-310 S/N: 31-2 through 31-822031
Baffle Assembly	AF41608-00	41608-00	Test and Computations per 14 CFR 21.303. Drawing No. AF41608-00 Rev: A Dated: 11/15/11*	Piper Aircraft, Inc	PA31-310 S/N: 31-2 through 31-822031
LH front Baffle Assembly	AF41606-13	41606-13	Test and Computations per 14 CFR 21.303. Drawing No. AF41606-13 Rev: D Dated: 11/15/11*	Piper Aircraft, Inc	PA31-310 S/N: 31-2 through 31-822031 PA31-325 S/N: 31-7512001 through 31-8312019 PA31-350 S/N: 31-7305001 through 31-8553002
Cover Plate	AF41608-1512	Modification Part	Test and Computations per 14 CFR 21.303. Drawing No. AF41608-1512 Rev: Original Dated: 11/21/11*	Piper Aircraft, Inc	PA31-310 S/N: 31-2 through 31-822031

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

NOTE 1: (*) Denotes "Or Later, FAA Approved Revisions"

NOTE 2: 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 3: 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.



Richard P. Warren
Manager, Minneapolis MIDO