



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

December 23, 2013

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 December 11, 2013, with your request letter dated December 15, 2013, 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. 18, dated December 23, 2013.

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. 18. 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. 18



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. PO2644CE
Supplement No. 18
Dated: **DEC 23 2013**

Page 1 of 2

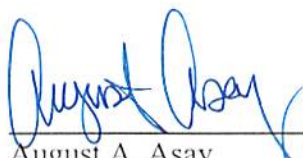
Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Baffle Assembly	AF0509069-7	0509069-7	Test and Computations per 14 CFR § 21.303, <u>Dwg No:</u> MDL 71-123-40-02 <u>Rev:</u> B <u>Date:</u> 8/29/2012 or later FAA-approved revisions	Cessna Aircraft Company	172R S/N 17280001 to 17280697
Baffle Assembly	AF0509069-11	0509069-11	Test and Computations per 14 CFR § 21.303, <u>Dwg No:</u> MDL 71-123-40-02 <u>Rev:</u> B <u>Date:</u> 8/29/2012 or later FAA-approved revisions	Cessna Aircraft Company	172R S/N 17280698 thru S/N 17281233, 172S S/N 172S08001 thru S/N 172S09770
Baffle Assembly	AF0509070-8	0509070-8, 0509070-6	Test and Computations per 14 CFR § 21.303, <u>Dwg No:</u> MDL 71-123-40-02 <u>Rev:</u> B <u>Date:</u> 8/29/2012 or later FAA-approved revisions	Cessna Aircraft Company	172R S/N 17280001 and on, 172S S/N 172S8001 and on
Baffle Assembly	AF0509071-1	0509071-1	Test and Computations per 14 CFR § 21.303, <u>Dwg No:</u> MDL 71-123-40-02 <u>Rev:</u> B <u>Date:</u> 8/29/2012 or later FAA-approved revisions	Cessna Aircraft Company	172R and S, all S/N
Baffle Assembly	AF0509072-1	0509072-1	Test and Computations per 14 CFR § 21.303, <u>Dwg No:</u> MDL 71-123-40-02 <u>Rev:</u> B <u>Date:</u> 8/29/2012 or later FAA-approved revisions	Cessna Aircraft Company	172R and S, all S/N
Baffle Assembly	AF0509073-7	0509073-7	Test and Computations per 14 CFR § 21.303, <u>Dwg No:</u> MDL 71-123-40-02 <u>Rev:</u> B <u>Date:</u> 8/29/2012 or later FAA-approved revisions	Cessna Aircraft Company	172R S/N 17280698 and on, 172S S/N 172S8001 and on

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Baffle Assembly	AF0555250-13	0555250-11, 0555250-13, 0555250-14, 0555250-16, 0555250-20	Test and Computations per 14 CFR § 21.303, <u>Dwg No:</u> MDL 71-123-40-02 <u>Rev:</u> B <u>Date:</u> 8/29/2012 or later FAA-approved revisions	Cessna Aircraft Company	172R S/N 17280001 and on, 172S S/N 172S8001 and on
Baffle Assembly	AF0555259-20	0555259-18, 0555259-20, 0555259-24	Test and Computations per 14 CFR § 21.303, <u>Dwg No:</u> MDL 71-123-40-02 <u>Rev:</u> B <u>Date:</u> 8/29/2012 or later FAA-approved revisions	Cessna Aircraft Company	172R S/N 800001 and on, 172S S/N 172S8001 and on.
Baffle Assembly	AF0555325-1	0555325-1	Test and Computations per 14 CFR § 21.303, <u>Dwg No:</u> MDL 71-123-40-02 <u>Rev:</u> B <u>Date:</u> 8/29/2012 or later FAA-approved revisions	Cessna Aircraft Company	172R and S, all S/N
Baffle Assembly	AF0555324-19	0555324-19	Test and Computations per 14 CFR § 21.303, <u>Dwg No:</u> MDL 71-123-40-02 <u>Rev:</u> B <u>Date:</u> 8/29/2012 or later FAA-approved revisions	Cessna Aircraft Company	172R and S, all S/N
Baffle Assembly	AF0555215-4	0509074-1	Test and Computations per 14 CFR § 21.303, <u>Dwg No:</u> MDL 71-123-40-02 <u>Rev:</u> B <u>Date:</u> 8/29/2012 or later FAA-approved revisions	Cessna Aircraft Company	172R and S, all S/N

-----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