



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

July 14, 2015

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

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Dear Mrs. 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 July 13, 2015, with your request letter, dated July 13, 2015, 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 14CFR 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. 42, dated July 13, 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. 42. 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. 42



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FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

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

PMA No. PQ2644CE  
Supplement No. 42  
Dated: JUL 14 2015

Page 1 of 4

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Inner Cylinder Baffle	AF0750117-31	0750117-31	Test and Computations per 14 CFR § 21.303, Dwg No: AF0750117-31 Rev: B Date: 5/29/13 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
Baffle Assembly	AF0750135-1	0750135-1	Test and Computations per 14 CFR § 21.303, Dwg No: AF0750135-1 Rev: B Date: 9/30/10 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
Baffle	AF0750135-3	0750135-3	Test and Computations per 14 CFR § 21.303, Dwg No: AF0750135-3 Rev: B Date: 5/29/13 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
Baffle	AF0750135-4	0750135-4	Test and Computations per 14 CFR § 21.303, Dwg No: AF0750135-4 Rev: B Date: 5/29/13 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
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 revision	Cessna Aircraft Company	210L, 210M, 210N

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	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 Aircraft Company	210L, 210M, 210N
Baffle Assembly	AF1250961-5	1250961-5	Test and Computations per 14 CFR § 21.303, Dwg No: AF1250961-5 Rev: N/C Date: 11/22/05 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
Baffle Assembly	AF1250966-1	1250966-1	Test and Computations per 14 CFR § 21.303, Dwg No: AF1250966-1 Rev: A Date: 10/29/10 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
Bracket	AF1250966-3	1250966-3	Test and Computations per 14 CFR § 21.303, Dwg No: AF1250966-3 Rev: B Date: 5/29/13 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
Baffle Assembly	AF1255008-12	1255008-12	Test and Computations per 14 CFR § 21.303, Dwg No: AF1255008-12 Rev: B Date: 10/27/10 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
Baffle Assembly	AF1255008-20	1255008-20	Test and Computations per 14 CFR § 21.303, Dwg No: AF1255008-20 Rev: B Date: 10/27/10 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
Baffle Assembly	AF1255008-22	1255008-16	Test and Computations per 14 CFR § 21.303, Dwg No: AF1255008-22 Rev: B Date: 10/27/10 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
Baffle Assembly	AF1255009-8	1255009-8	Test and Computations per 14 CFR § 21.303, Dwg No: AF1255009-8 Rev: B Date: 10/27/10 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N

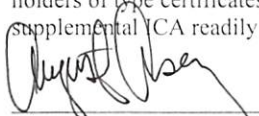
Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Baffle Assembly	AF1255010-10	1255010-8	Test and Computations per 14 CFR § 21.303. Dwg No: AF1255010-10 Rev: A Date: 10/29/10 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
Plate	AF1255011-5	1255011-7	Test and Computations per 14 CFR § 21.303. Dwg No: AF1255011-5 Rev: A Date: 5/29/13 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
Oil Cooler Baffle Assembly	AF1255020-1	1255020-1	Test and Computations per 14 CFR § 21.303. Dwg No: AF1255020-1 Rev: N/C Date: 10/29/10 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
Oil Cooler Baffle Assembly	AF1255025-1	1255025-1	Test and Computations per 14 CFR § 21.303. Dwg No: AF1255025-1 Rev: N/C Date: 10/29/10 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
Oil Cooler Baffle Assembly	AF1255026-1	1255026-1	Test and Computations per 14 CFR § 21.303. Dwg No: AF1255026-1 Rev: N/C Date: 10/29/10 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
Baffle Assembly	AF1255028-1	1255006-4	Test and Computations per 14 CFR § 21.303. Dwg No: AF1255028-1 Rev: D Date: 11/1/10 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
Baffle Assembly	AF1255032-1	1255032-1	Test and Computations per 14 CFR § 21.303. Dwg No: AF1255032-1 Rev: D Date: 10/29/10 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
Baffle Assembly	AF1255032-2	1255032-2	Test and Computations per 14 CFR § 21.303. Dwg No: AF1255032-2 Rev: B Date: 10/29/10 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Baffle Assembly	AF1255032-3	1255032-3	Test and Computations per 14 CFR § 21.303, Dwg No: AF1255032-3 Rev: A Date: 10/15/10 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
Baffle Assembly	AF1255032-4	1255032-4	Test and Computations per 14 CFR § 21.303, Dwg No: AF1255032-4 Rev: B Date: 10/29/10 or later FAA approved revisions	Cessna Aircraft Company	210L, 210M, 210N
Cover Plate	AF0555600	N/A	Test and Computations per 14 CFR § 21.303, Dwg No: AF0555600 Rev: A Date: 5/29/13 or later FAA approved revisions	Cessna Aircraft Company	172I, 172K, 172L, 172M, 172P, 172R, 172S

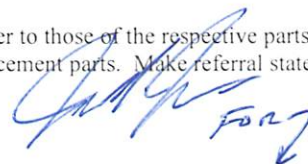
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NOTE 1: Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

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