



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Aviation Safety  
Minneapolis Certificate Management Section

6020 28th Avenue South Room 103  
Minneapolis, MN 55450-2700

October 29, 2024

Ms. Kelcy Schachle  
Airforms, LLC.  
3650 West Aviation Ave.  
Wasilla, Alaska 99654

Dear Ms. Schachle

In accordance with title 14, Code of Federal Regulations (14 CFR), part 21, “Certification Procedures for Products and Articles,” subpart K, “Parts Manufacturer Approvals,” the FAA has found that the design data, which Airforms, LLC. based on test and computation as submitted in your letter dated August 15, 2024, meet the airworthiness requirements of 14 CFR applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that Airforms, LLC. has established the quality system required by § 21.307, “Quality system,” at 3650 West Aviation Ave. Wasilla, Alaska 99654. Accordingly, the FAA hereby grants Parts Manufacturer Approval (PMA) to Airforms, LLC. for production of the replacement articles listed in the enclosed Supplement No. 93.

You are reminded that the provisions of 14 CFR parts 21 and 45, noted in our PMA letter of approval dated August 3, 2022, also apply to the enclosed PMA Listing—Supplement No. 93. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

Timothy L  
Mahoney

Digitally signed by  
Timothy L Mahoney  
Date: 2024.10.31  
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for Kyri Zaroyiannis  
Manager, Minneapolis Certificate Management Section  
Central Certificate Management Branch  
System Oversight Division  
Aircraft Certification Service

Enclosure  
PMA Listing—Supplement No. 93



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Airforms LLC  
3650 W. Aviation Ave  
Wasilla, AK 99654

PMA No. PQ2644CE  
Supplement No. 93  
Date 10/29/2024

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
LH Rear Cylinder Wrap Baffle Assy	AF0555223-6	0555223-6	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF0555223-6 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
Center FWD Horizontal Baffle Assy	AF0555228-2	0555228-2	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF0555228-2 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
LH FWD Baffle Assy	AF0555228-3	0555228-3	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF0555228-3 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
RH FWD Baffle Assy	AF0555228-4	0555228-4	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF0555228-4 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
LH FWD Prop Governor Baffle Assy	AF0555228-5	0555228-5	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF0555228-5 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K

<b>Article Name</b>	<b>Article Number</b>	<b>Approved Replacement for Article Number</b>	<b>Approval Basis and Approved Design Data</b>	<b>Make/TCH Eligibility</b>	<b>Model/Series Eligibility</b>
RH FWD Fuel Pump Baffle Assy	AF0555228-6	0555228-6	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF0555228-6 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
LH Rear – Attaching Plate	AF0555269-1	0555269-1	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF0555269-1 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
RH Rear Oil Cooler Baffle Assy	AF0555271-1	0555271-1	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF0555271-1 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
Inner Cylinder Baffle Assembly	AF1457012-1	1457012-1	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF1457012-1 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
LH Rear Strap Baffle Assembly	AF1457018-22	1457018-22	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF1457018-22 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
Inner Cylinder Baffle Assembly	AF1457119-1	1457119-1	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF1457119-1 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
Inner Cylinder Baffle Assembly	AF1557011-3	1557011-3	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF1557011-3 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Inner Cylinder Baffle Assembly	AF1557011-4	1557011-4	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF1557011-4 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
Inner Cylinder Baffle Assembly	AF1557012-10	1557012-10	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF1557012-10 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
Inner Cylinder Baffle Assembly	AF1557012-11	1557012-11	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF1557012-11 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
Inner Cylinder Baffle Assembly	AF1557012-14	1557012-14	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF1557012-14 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
Inner Cylinder Baffle Assembly	AF1557101-11	1557101-11	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF1557101-11 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
Inner Cylinder Baffle Assembly	AF1557101-13	1557101-13	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF1557101-13 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
RH FWD Baffle Assembly	AF1557140-6	1557140-6	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF1557140-6 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
LH Side Cover Baffle Assembly	AF1557146-11	1557146-11	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF1557146-11 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
RH Side Cover Baffle Assembly	AF1557146-12	1557146-12	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF1557146-12 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
LH Rear Baffle Assembly	AF1557147-15	1557147-15	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF1557147-15 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
RH Rear Baffle Assembly	AF1557147-17	1557147-17	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF1557147-17 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
LH Rear Baffle Assembly	AF1557149-7	1557149-7	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF1557149-7 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
LH Rear Bracket Assembly	AF1557149-14	1557149-14	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF1557149-14 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
Rear Bracket Assembly	AF1557173-1	1557173-1	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF1557173-1 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K


Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
LH Side Baffle Assembly	AF0555272K200	0555272K200	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF0555272K200 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
RH Side Baffle Assembly	AF0555272K201	0555272K201	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> AF0555272K201 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
Cowling Seal	CR172XP-SEAL1	Modification Article	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> CR172XP-SEAL1 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
Cowling Seal	CR172XP-SEAL2	Modification Article	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> CR172XP-SEAL2 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K
Cowling Seal	CR172XP-SEAL3	Modification Article	Test and Computations per 14 CFR 21.303 <u>DWG No:</u> CR172XP-SEAL3 <u>Rev:</u> N/C <u>Date:</u> 07/25/2024 or later FAA-approved revisions	Textron Aviation Inc.	R172K FR172K

-----End of Listing-----

## GENERAL NOTES:

Provide minor design changes in a manner as determined by the cognizant FAA certification branch. Process major design changes to drawings and specifications in the same manner as that for an original FAA PMA.

The FAA accepted the instructions for continued airworthiness (ICA) approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR 21.50.

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*For* Gregory S. DiLibero  
Manager, West Certification Branch  
Compliance and Airworthiness Division  
Aircraft Certification Service

Timothy L  
Mahoney  Digitally signed by  
Timothy L. Mahoney  
Date: 2024.10.31  
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*For* Kyri Zaroyiannis  
Manager, Minneapolis Certificate Management  
Section  
Central Certificate Management Branch  
System Oversight Division  
Aircraft Certification Service