



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

Aircraft Certification Service
System Oversight Division
Wichita MIDO Section
2204 S. Tyler Rd.
Wichita, KS 67209

January 18, 2018

Mr. Dana Yarnell
Quality Manager
McFarlane Aviation, Inc.
696 E 1700 Road
Baldwin City, Kansas 66006

FEDERAL AVIATION ADMINISTRATION-PARTS MANUFACTURER APPROVAL

Dear Mr. Yarnell:

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, on the basis of Test and Computation per 14 CFR § 21.303, as approved by the Chicago FAA Aircraft Certification Office with their letter, dated November 3, 2017, meets the airworthiness requirements of the regulations applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that McFarlane Aviation Inc. has established the quality system required by § 21.307 at 696 E 1700 Road Baldwin City, Kansas. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 103.

You are reminded that the provisions of 14 CFR, parts 21 and 45, noted in our PMA letter of approval dated May 20, 1994 also apply to the enclosed PMA Listing-Supplement No. 103. The enclosed Supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

Neal R. Rice
Manager, Wichita MIDO Section

Enclosure: Supplement No. 103

cc: AIR-6C2



U.S. Department of Transportation
Federal Aviation Administration

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

McFarlane Aviation, Inc.
696 E 1700 Road
Baldwin City, KS 66006

PMA No.: PQ3732CE
Supplement No.: 103
Date: November 6, 2017

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Assembly, Control Arm	MC0850500-30	8050500-30	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1161 <u>Rev:</u> I <u>Date:</u> 06/16/2017 or later FAA-approved revisions	Textron Aviation Inc.	210-5 (205) S/N All, 210-5A (205A) S/N All, 206 S/N All, 207 S/N All, 207A S/N All, 210A S/N All, 210B S/N All, 210C S/N All, 210I S/N All, 210J S/N All, 210K S/N All, 210L S/N All, 210M S/N All, 210N S/N 21062955 thru 21064535, 310 S/N All, 310B S/N All, 210 S/N All, P206 S/N All, P206A S/N All, P206B S/N All, P206C S/N All, P206D S/N All, P206E S/N All, U206 S/N All, U206A S/N All, U206B S/N All, U206C S/N All, U206D S/N All, U206E S/N All, U206F S/N All, U206G S/N All
Assembly, Bearing, Airbox	MC0850500-31	0850500-31	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1161 <u>Rev:</u> I <u>Date:</u> 06/16/2017 or later FAA-approved revisions	Textron Aviation Inc.	210-5 (205) S/N All, 210-5A (205A) S/N All, 206 S/N All, 210A S/N All, 210B S/N All, 210C S/N All, 210 S/N All, P206 S/N All, P206A S/N All, P206B S/N All, U206 S/N All, U206A S/N All, U206B S/N All
Shaft, Airbox	MC0850500-37	0850500-37	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1161 <u>Rev:</u> I <u>Date:</u> 06/16/2017 or later FAA-approved revisions	Textron Aviation Inc.	210-5 (205) S/N All, 210-5A (205A) S/N All, 206 S/N All, 210A S/N All, 210B S/N All, 210C S/N All, 210 S/N All, P206 S/N All, P206A S/N All, P206B S/N All, U206 S/N All, U206A S/N All, U206B S/N All
Assembly, Bearing, Airbox	MC1250309-1	1250309-1	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1161 <u>Rev:</u> I <u>Date:</u> 06/16/2017 or later FAA-approved revisions	Textron Aviation Inc.	210-5 (205) S/N All, 210-5A (205A) S/N All, 206 S/N All, 207 S/N All, 207A S/N All, 210A S/N All, 210B S/N All, 210C S/N All, 210D S/N All, 210E S/N All, 210F S/N All, 210G S/N All, 210I S/N All, 210J S/N All, 210K S/N All, 210L S/N All, 210M S/N All, 210N S/N 21062955 thru 21064535, 210 S/N All, P206 S/N All, P206A S/N All, P206B S/N All, P206C S/N All, P206D S/N All, P206E S/N All, U206 S/N All, U206A S/N All, U206B S/N All, U206C S/N All, U206D S/N All, U206E S/N All, U206F S/N All, U206G S/N All

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

McFarlane Aviation, Inc.
696 E 1700 Road
Baldwin City, KS 66006

PMA No.: PQ3732CE
Supplement No.: 103
Date: November 6, 2017

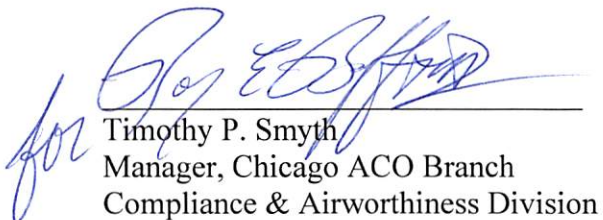
Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Shaft, Airbox	MC1250311-1	1250311-1	Test and Computations per 14 CFR § 21.303 DWG No: 1161 Rev: I Date: 06/16/2017 or later FAA-approved revisions	Textron Aviation Inc.	210-5 (205) S/N All, 210-5A (205A) S/N All, 206 S/N All, 207 S/N All, 207A S/N All, 210A S/N All, 210B S/N All, 210C S/N All, 210D S/N All, 210E S/N All, 210F S/N All, 210G S/N All, 210I S/N All, 210J S/N All, 210K S/N All, 210L S/N All, 210M S/N All, 210N S/N 21062955 thru 21064135, 210N S/N 21064136 thru 21064535, 210 S/N All, P206 S/N All, P206A S/N All, P206B S/N All, P206C S/N All, P206D S/N All, P206E S/N All, U206 S/N All, U206A S/N All, U206B S/N All, U206C S/N All, U206D S/N All, U206E S/N All, U206F S/N U20601701 thru U20602199, U206F S/N U20602200 thru U20603521, U206G S/N All
Assembly, Control Arm	MC1250718-1	1250718-1	Test and Computations per 14 CFR § 21.303 DWG No: 1161 Rev: I Date: 06/16/2017 or later FAA-approved revisions	Textron Aviation Inc.	210D S/N All, 210E S/N All, 210F S/N All, 210G S/N All
Assembly, Bearing, Airbox	MC955	MC955	Test and Computations per 14 CFR § 21.303 DWG No: 1161 Rev: I Date: 06/16/2017 or later FAA-approved revisions	Textron Aviation Inc.	177A S/N All, 177B S/N All

-----END OF DATA-----

GENERAL NOTES:

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

The FAA accepted the 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 supplementary ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR § 21.50.


for Timothy P. Smyth
Manager, Chicago ACO Branch
Compliance & Airworthiness Division


Neal R. Rice
Manager, Wichita MIDO Section
System Oversight Division