



Small Airplane Directorate  
Kansas City Manufacturing  
Inspection District Office  
901 Locust, Room 376  
Kansas City, MO 64106-2641

U.S. Department  
of Transportation

Federal Aviation  
Administration

October 10, 2002

Project No. PQ3732CE

McFarlane Aviation, Inc.  
696 East 1700 Road  
Vinland Valley Aerodrome  
Baldwin City, Kansas 66006-9806

**FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL**

In accordance with the provisions of 14 CFR Part 21, Subpart K, we have found that the design data, based on Test & Computation, submitted by McFarlane Aviation, Inc. with letter dated August 5, 2002, meet the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, it has been determined that McFarlane Aviation, Inc. has established the fabrication inspection system required by part 21 § 21.303(h), 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.7, dated October 10, 2002.

You are reminded that the provisions of the Federal Aviation Regulations, noted in our PMA letter of approval dated September 3, 1993, also apply to the enclosed PMA Listing-Supplement No. 7.

Should you have any questions regarding this matter, you may wish to direct them to Mr. Michael Alberts, Kansas City MIDO, (816) 329-4190.

Sincerely,

Michael M. Alberts  
Aviation Safety Inspector

Enclosure

Production Approval Listing- Supplement No. 7  
Parts Manufacturer Approval No. PQ3732CE  
October 10, 2002

Federal Aviation Administration – Parts Manufacturer Approval

McFarlane Aviation, Inc.  
696 E. 1700 Road  
Vinland Valley Aerodrome  
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PMA No. PQ3732CE  
Supplement No. 7  
Date: October 10, 2002

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement For: Part No.</u>	<u>Approval Basis and Approved Design Data</u>	<u>MAKE Eligibility:</u>	<u>MODEL Eligibility:</u>
Throttle Control	MC12693-04	Piper Part No. 12693-04	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Piper	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1228 Revision "A" Dated 07-19-2002 or later FAA Approved Revision.
Mixture Control	MC22633-04	Piper Part No. 22633-04	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Piper	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1228 Revision "A" Dated 07-19-2002 or later FAA Approved Revision.
Throttle Control	MC455-139	Piper Part No. 455-139	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Piper	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1228 Revision "A" Dated 07-19-2002 or later FAA Approved Revision.
Propeller Control	MC455-184	Piper Part No. 455-184	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Piper	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1228 Revision "A" Dated 07-19-2002 or later FAA Approved Revision.
Propeller Control	MC455-252	Piper Part No. 455-252	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Piper	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1228 Revision "A" Dated 07-19-2002 or later FAA Approved Revision.

Throttle, Mixture and Propeller Control	MC455-322	Piper Part No. 455-322	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Piper	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1228 Revision "A" Dated 07-19-2002 or later FAA Approved Revision.
Mixture Control	MC455-332	Piper Part No. 455-332	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Piper	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1228 Revision "A" Dated 07-19-2002 or later FAA Approved Revision.
Throttle Control	MC455-333	Piper Part No. 455-333	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Piper	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1228 Revision "A" Dated 07-19-2002 or later FAA Approved Revision.
Throttle, Mixture and Propeller Control	MC455-344	Piper Part No. 455-344	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Piper	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1228 Revision "A" Dated 07-19-2002 or later FAA Approved Revision.
Throttle Control	MC455-350	Piper Part No. 455-350	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Piper	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1228 Revision "A" Dated 07-19-2002 or later FAA Approved Revision.
Mixture Control	MC455-352	Piper Part No. 455-352	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Piper	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1228 Revision "A" Dated 07-19-2002 or later FAA Approved Revision.
Throttle Control	MC455-353	Piper Part No. 455-353	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Piper	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1228 Revision "A" Dated 07-19-2002 or later FAA Approved Revision.
Throttle Control	MC455-358	Piper Part No. 455-358	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Piper	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1228 Revision "A" Dated 07-19-2002 or later FAA Approved Rev

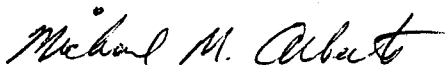
Throttle and Mixture Control	MC455-360	Piper Part No. 455-360	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Piper	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1228 Revision "A" Dated 07-19-2002 or later FAA Approved Revision.
Mixture Control	MC455-361	Piper Part No. 455-361	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Piper	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1228 Revision "A" Dated 07-19-2002 or later FAA Approved Revision.
Propeller Control	MC65451-04	Piper Part No. 65451-04	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Piper	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1228 Revision "A" Dated 07-19-2002 or later FAA Approved Revision.
Throttle Control	MC69530-02	Piper Part No. 69530-02	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Piper	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1228 Revision "A" Dated 07-19-2002 or later FAA Approved Revision.
Throttle Control	MC565-549-021	Cessna Part No. 565-549-021	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Cessna	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1197, Revision "C", Dated 03-12-2002 or later FAA Approved Revision.
Throttle Control	MC565-549-031	Cessna Part No. 565-549-031	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Cessna	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1197, Revision "C", Dated 03-12-2002 or later FAA Approved Revision.
Throttle Control	MC565-549-041	Cessna Part No. 565-549-041	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Cessna	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1197, Revision "C", Dated 03-12-2002 or later FAA Approved Revision.
Mixture Control	MC565-548-041	Cessna Part No. 565-548-041	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Cessna	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1197, Revision "C", Dated 03-12-2002 or later FAA Approved Revision.

Mixture Control	MC565-548-042	Cessna Part No. 565-548-042	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Cessna	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1197, Revision "C", Dated 03-12-2002 or later FAA Approved Revision.
Mixture Control	MC565-548-043	Cessna Part No. 565-548-043	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Cessna	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1197, Revision "C", Dated 03-12-2002 or later FAA Approved Revision.
Propeller Control	MC565-580-038	Cessna Part No. 565-580-038	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Cessna	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1197, Revision "C", Dated 03-12-2002 or later FAA Approved Revision.
Propeller Control	MC565-580-012	Cessna Part No. 565-580-012	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Cessna	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1197, Revision "C", Dated 03-12-2002 or later FAA Approved Revision.
Cowl Flap Control	MC580-703-024	Cessna Part No. 580-703-024	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Cessna	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1162, Revision "B", Dated 03-12-2002 or later FAA Approved Revision.
Cowl Flap Control	MC580-703-025	Cessna Part No. 580-703-025	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Cessna	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1162, Revision "B", Dated 03-12-2002 or later FAA Approved Revision.
Cowl Flap Control	MC580-703-026	Cessna Part No. 580-703-026	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Cessna	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1162, Revision "B", Dated 03-12-2002 or later FAA Approved Rev
Cowl Flap Control	MC580-703-027	Cessna Part No. 580-703-027	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	Cessna	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1162, Revision "B", Dated 03-12-2002 or later FAA Approved Revision.

Mixture Control	MC600-72	Modification Part	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	For make eligibility see McFarlane Aviation Eligibility Chart; Drawing 1404, Revision "Original", Dated 07-30-2002 or later FAA Approved Revision.	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1404, Revision "Original", Dated 07-30-2002 or later FAA Approved Revision.
Mixture Control	MC600-120	Modification Part	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 1186, Rev. "AF" Dated 07/30/02 or later FAA approved revisions.	For make eligibility see McFarlane Aviation Eligibility Chart; Drawing 1404, Revision "Original", Dated 07-30-2002 or later FAA Approved Revision.	For eligibility see McFarlane Aviation Eligibility Chart; Drawing 1404, Revision "Original", Dated 07-30-2002 or later FAA Approved Revision.

-----End Of Listing-----

Note: Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.



Michael M. Alberts

Aviation Safety Inspector

Kansas City Manufacturing Inspection District Office

October 10, 2002

Date: