



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

Small Airplane Directorate
Kansas City Manufacturing Inspection
District Office
901 Locust Street, Room 403B
Kansas City, MO 64106-2641
Tel: 816-329-4190 Fax: 816-329-4195

November 15, 2011

Project No. PQ3732CE

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

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), Part 21, Certification Procedures for Products and Parts, subpart K, the FAA has found that the design data, based on Test and Computation submitted by McFarlane Aviation, Inc., with your letter dated May 19, 2011, 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 McFarlane Aviation, Inc., has established the quality system required by § 21.307 at 696 E. 1700 Road, Baldwin City, KS 66006. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed **Supplement No.54**.

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA Letter of Approval dated September 3, 1993, also applies to the enclosed PMA Listing-**Supplement No.54**.

The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

Edward J. Mehrhoff
Aviation Safety Inspector
Kansas City, MIDO

Enclosure



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. 54
Date: November 16, 2011

<u>Article Name</u>	<u>Part Number</u>	<u>Approved Replacement for Part Number</u>	<u>Approval Basis and Approved Design Data</u>	<u>Make Eligibility:</u>	<u>Model Eligibility:</u>
Skin, Rudder, LH	MC0333000-4	0333000-4	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	170 s/n all; 170A s/n all; 190 s/n all; 195 (LC-126A,B,C) s/n all; 195A s/n all; 195B s/n all
Skin, Rudder, RH	MC0333000-5	0333000-5	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions	Cessna	170 s/n all; 170A s/n all; 190 s/n all; 195 (LC-126A,B,C) s/n all; 195A s/n all; 195B s/n all;
Skin, Elevator Tab, Upper	MC0334100-3	0334100-3	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions	Cessna	170 s/n all; 170A s/n all; 190 s/n 7004 thru 16083; 195 (LC- 126A,B,C) s/n 7004 thru 16083; 195A s/n 7004 thru 16083; 195B s/n 7004 thru 16083

Skin, Elevator Tab, Lower	MC0334100-4	0334100-4	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions	Cessna	170 s/n all; 170A s/n all; 190 s/n 7004 thru 16083; 195 (LC- 126A,B,C) s/n 7004 thru 16083; 195A s/n 7004 thru 16083; 195B s/n 7004 thru 16083
Skin, Elevator, Upper, RH	MC0334100-5	0334100-5	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions	Cessna	170 s/n all; 170A s/n all; 190 s/n 7004 thru 16083; 195 (LC- 126A,B,C) s/n 7004 thru 16083; 195A s/n 7004 thru 16083; 195B s/n 7004 thru 16083;
Skin, Elevator, Lower, RH	MC0334100-6	0334100-6	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions	Cessna	170 s/n all; 170A s/n all; 190 s/n 7004 thru 16083; 195 (LC- 126A,B,C) s/n 7004 thru 16083; 195A s/n 7004 thru 16083; 195B s/n 7004 thru 16083
Skin, Elevator, Lower, LH	MC0334200-3	0334200-3	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	170 s/n all; 170A s/n all; 190 s/n 7004 thru 16083; 195 (LC- 126A,B,C) s/n 7004 thru 16083; 195A s/n 7004 thru 16083; 195B s/n 7004 thru 16083
Skin, Elevator, Upper, LH	MC0334200-4	0334200-4	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	170 s/n all; 170A s/n all; 190 s/n 7004 thru 16083; 195 (LC- 126A,B,C) s/n 7004 thru 16083; 195A s/n 7004 thru 16083; 195B s/n 7004 thru 16083

Skin, Rudder, LH	MC0531001-8	0531001-8	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	172 s/n all; 175 s/n all;
Skin, Rudder, RH	MC0531001-9	0531001-9	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	172 s/n all; 175 s/n all;
Skin, Elevator, Upper, RH	MC0532001-36	0532001-36	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	172 s/n all; 172A s/n all; 172B s/n all; 172C s/n all; 175 s/n all; 175A s/n all; 175B s/n all; 175C s/n all;
Skin, Elevator, Lower, LH	MC0532001-37	0532001-37	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	172 s/n all; 172A s/n all; 172B s/n all; 172C s/n all; 175 s/n all; 175A s/n all; 175B s/n all; 175C s/n all;
Skin, Elevator, Lower, RH	MC0532001-38	0532001-38	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	172 s/n all; 172A s/n all; 172B s/n all; 172C s/n all; 175 s/n all; 175A s/n all; 175B s/n all; 175C s/n all;

Skin, Elevator, Upper, LH	MC0532001-39	0532001-39	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	172 s/n all; 172A s/n all; 172B s/n all; 172C s/n all; 175 s/n all; 175A s/n all; 175B s/n all; 175C s/n all;
Skin, Rudder, LH	MC0533000-20	0533000-20	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	170B s/n all;
Skin, Rudder, RH	MC0533000-21	0533000-21	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	170B s/n all;
Skin, Rudder, Lower, LH	MC0533000-4	0533000-14, 0533000-4	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	170 s/n all; 170A s/n all; 170B s/n all;
Skin, Rudder, Lower, RH	MC0533000-5	0533000-15, 0533000-5	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	170 s/n all; 170A s/n all; 170B s/n all;

Skin, Elevator, Upper, LH	MC0534100-4	0534100-4	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	170B s/n all;
Skin, Elevator, Lower, LH	MC0534100-5	0534100-5	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	170B s/n all;
Skin, Elevator, Lower, RH	MC0534101-4	0534101-4	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	170B s/n all;
Skin, Elevator, Upper, RH	MC0534101-5	0534101-5	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	170B s/n all;

Skin, Elevator, Lower, LH	MC055044-1	0532001-91, DEV055044-1	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	172D s/n all; 172E s/n all; 172F (T-41A) s/n all; 172G (T-41A) s/n all; 172H (T-41A) s/n all; 172I s/n all; 172K (T-41A) s/n all; 172L s/n all; 172M s/n all; 172N s/n all; 172P s/n all; 172Q s/n all; 172R s/n all; 172RG s/n all; 172S s/n all; F172D s/n all; F172E s/n all; F172F s/n all; F172G s/n all; F172H s/n all; F172K s/n all; F172L s/n all; F172M s/n all; F172N s/n all; F172P s/n all; FP172 s/n all; FR172K s/n all; P172D s/n all; R172K s/n all;
Skin, Elevator, Lower, RH	MC055044-2	0532001-90, DEV055044-2	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	172D s/n all; 172E s/n all; 172F (T-41A) s/n all; 172G (T-41A) s/n all; 172H (T-41A) s/n all; 172I s/n all; 172K (T-41A) s/n all; 172L s/n all; 172M s/n all; 172N s/n all; 172P s/n all; 172Q s/n all; 172R s/n all; 172RG s/n all; 172S s/n all; F172D s/n all; F172E s/n all; F172F s/n all; F172G s/n all; F172H s/n all; F172K s/n all; F172L s/n all; F172M s/n all; F172N s/n all; F172P s/n all; FP172 s/n all; FR172K s/n all; P172D s/n all; R172K s/n all;
Skin, Elevator, Lower, RH	MC055044-3	0532001-89, DEV055044-3	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	172D s/n all; 172E s/n all; 172F (T-41A) s/n all; 172G (T-41A) s/n all; 172H (T-41A) s/n all; 172I s/n all; 172K (T-41A) s/n all; 172L s/n all; 172M s/n all; 172N s/n all; 172P s/n all; 172Q s/n all; 172R s/n all; 172RG s/n all; 172S s/n all; F172D s/n all; F172E s/n all; F172F s/n all; F172G s/n all; F172H s/n all; F172K s/n all; F172L s/n all; F172M s/n all; F172N s/n all; F172P s/n all; FP172 s/n all; FR172K s/n all; P172D s/n all; R172K s/n all
Skin, Elevator, Upper, RH	MC055044-4	0532001-88, DEV055044-4	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	172D s/n all; 172E s/n all; 172F (T-41A) s/n all; 172G (T-41A) s/n all; 172H (T-41A) s/n all; 172I s/n all; 172K (T-41A) s/n all; 172L s/n all; 172M s/n all; 172N s/n all; 172P s/n all; 172Q s/n all; 172R s/n all; 172RG s/n all; 172S s/n all; F172D s/n all; F172E s/n all; F172F s/n all; F172G s/n all; F172H s/n all; F172K s/n all; F172L s/n all; F172M s/n all; F172N s/n all; F172P s/n all; FP172 s/n all; FR172K s/n all; P172D s/n all; R172K s/n all;

Skin, Rudder, LH	MC0731000-13	0731000-13, 0731000- 13AGW, 0731000-53	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	180 s/n all; 180A s/n all; 180B s/n all; 180C s/n all; 180D s/n all; 180E s/n all; 180F s/n all; 180G s/n all; 180H s/n all; 180J s/n all; 180K s/n all; 182 s/n all; 182A s/n all; 182B s/n all; 185 s/n all; 185A s/n all; 185B s/n all; 185C s/n all; 185D s/n all; 185E s/n all; A185E s/n all; A185F s/n all; 188 s/n all; 188A s/n all; 188B s/n all; A188 s/n all; A188A s/n all; A188B s/n all; A188B (w/ large hopper) s/n all; T188C s/n all;
Skin, Rudder, RH	MC0731000-14	0731000-14, 0731000- 14AGW, 0731000-52	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	180 s/n all; 180A s/n all; 180B s/n all; 180C s/n all; 180D s/n all; 180E s/n all; 180F s/n all; 180G s/n all; 180H s/n all; 180J s/n all; 180K s/n all; 182 s/n all; 182A s/n all; 182B s/n all; 185 s/n all; 185A s/n all; 185B s/n all; 185C s/n all; 185D s/n all; 185E s/n all; A185E s/n all; A185F s/n all; 188 s/n all; 188A s/n all; 188B s/n all; A188 s/n all; A188A s/n all; A188B s/n all; A188B (w/ large hopper) s/n all; T188C s/n all;
Skin, Elevator, Lower, RH	MC0734600-14	0734600-14, 0734600- 14AGW	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	182E s/n all; 182F s/n all; 182G s/n all; 188 s/n all; 188A s/n all; 188B s/n all; A188 s/n all; A188A s/n all; A188B s/n all; A188B (w/ large hopper) s/n all; T188C s/n all; 210-5 (205) s/n all; 210-5A (205A) s/n all;
Skin, Elevator, Upper, RH	MC0734600-15	0734600-15, 0734600- 15AGW	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	182E s/n all; 182F s/n all; 182G s/n all; 188 s/n all; 188A s/n all; 188B s/n all; A188 s/n all; A188A s/n all; A188B s/n all; A188B (w/ large hopper) s/n all; T188C s/n all; 210-5 (205) s/n all; 210-5A (205A) s/n all;

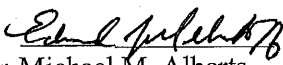
Skin, Elevator, UPR, LH or LWR, RH	MC0734600-4	0734600-4, 0734600- 4AGW	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	180 s/n all; 180A s/n all; 180B s/n all; 180C s/n all; 180D s/n all; 180E s/n all; 180F s/n all; 180G s/n all; 180H s/n all; 180J s/n all; 180K s/n all; 182 s/n all; 182A s/n all; 182B s/n all; 182C s/n all; 182D s/n all; 182E s/n all; 182F s/n all; 182G s/n all; 185 s/n all; 185A s/n all; 185B s/n all; 185C s/n all; 185D s/n all; 185E s/n all; A185E s/n all; A185F s/n all; 188 s/n all; 188A s/n all; 188B s/n all; A188 s/n all; A188A s/n all; A188B s/n all; A188B (w/ large hopper) s/n all; T188C s/n all; 210-5 (205) s/n all; 210-5A (205A) s/n all;
Skin, Elevator, UPR, RH or LWR, LH	MC0734600-9	0734600-9, 0734600- 9AGW	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	180 s/n all; 180A s/n all; 180B s/n all; 180C s/n all; 180D s/n all; 180E s/n all; 180F s/n all; 180G s/n all; 180H s/n all; 180J (1973) s/n all; 180J (1974-1976) s/n all; 180K s/n all; 182 s/n all; 182A s/n all; 182B s/n all; 182C s/n all; 182D s/n all; 182E s/n all; 182F s/n all; 182G s/n all; 185 s/n all; 185A s/n all; 185B s/n all; 185C s/n all; 185D s/n all; 185E s/n all; A185E s/n all; A185F s/n all; 188 s/n all; 188A s/n all; 188B s/n all; A188 s/n all; A188A s/n all; A188B s/n all; A188B (w/ large hopper) s/n all; T188C s/n all; 210-5 (205) s/n all; 210-5A (205A) s/n all;
Skin, Elevator, Upper, LH	MC1234600-5	1234600-5	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	182H s/n all; 182J s/n all; 182K s/n all; 182L s/n all; 182M s/n all; 182N s/n all; 182P s/n all; 182Q s/n all; 182R s/n all; 182S s/n all; 182T s/n all; F182P s/n all; F182Q s/n all; FR182 s/n all; R182 s/n all; T182 s/n all; T182T s/n all; TR182 s/n all; 206 s/n all; P206 s/n all; P206A s/n all; P206B s/n all; TU206A s/n all; TU206B s/n all; U206 s/n all; U206A s/n all; U206B s/n all;
Skin, Elevator, Upper, RH	MC1234600-6	1234600-6	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	182H s/n all; 182J s/n all; 182K s/n all; 182L s/n all; 182M s/n all; 182N s/n all; 182P s/n all; 182Q s/n all; 182R s/n all; 182S s/n all; 182T s/n all; F182P s/n all; F182Q s/n all; FR182 s/n all; R182 s/n all; T182 s/n all; T182T s/n all; TR182 s/n all; 206 s/n all; P206 s/n all; P206A s/n all; P206B s/n all; TU206A s/n all; TU206B s/n all; U206 s/n all; U206A s/n all; U206B s/n all;

Skin, Elevator, Lower, LH	MC1234600-7	1234600-7	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	182H s/n all; 182J s/n all; 182K s/n all; 182L s/n all; 182M s/n all; 182N s/n all; 182P s/n all; 182Q s/n all; 182R s/n all; 182S s/n all; 182T s/n all; F182P s/n all; F182Q s/n all; FR182 s/n all; R182 s/n all; T182 s/n all; T182T s/n all; TR182 s/n all; 206 s/n all; P206 s/n all; P206A s/n all; P206B s/n all; TU206A s/n all; TU206B s/n all; U206 s/n all; U206A s/n all; U206B s/n all;
Skin, Elevator, Lower, RH	MC1234600-8	1234600-8	Test and Computation per 14 CFR § 21.303. <u>Drawing:</u> 1693, <u>Rev:</u> E, <u>Date:</u> 04/08/2011 or later FAA approved revisions.	Cessna	182H s/n all; 182J s/n all; 182K s/n all; 182L s/n all; 182M s/n all; 182N s/n all; 182P s/n all; 182Q s/n all; 182R s/n all; 182S s/n all; 182T s/n all; F182P s/n all; F182Q s/n all; FR182 s/n all; R182 s/n all; T182 s/n all; T182T s/n all; TR182 s/n all; 206 s/n all; P206 s/n all; P206A s/n all; P206B s/n all; TU206A s/n all; TU206B s/n all; U206 s/n all; U206A s/n all; U206B s/n all;

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

Note: 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.

If TC holder's ICA applies to these replacement parts, provide a statement noting such. If not provide supplementary ICA per 14CFR § 21.50.


for Michael M. Alberts
Manager, Kansas City
Manufacturing Inspection District Office

November 15, 2011

Date: