



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

Small Airplane Directorate  
Kansas City Manufacturing Inspection  
District Office (MIDO)  
901 Locust Street, Room 376  
Kansas City, MO 64106-2641  
Tel: 816-329-4190 Fax: 816-329-4195

December 6, 2010

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 September 27, 2010 meet the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, the FAA has determined that McFarlane Aviation, Inc., has established the fabrication inspection system required by § 21.303(h) 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.49**.

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.49**. 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, Manufacturing Inspection  
District Office

Enclosure

## FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL


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

PMA No: PQ3732CE  
Supplement No.49  
Date: December 6, 2010

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility:	MODEL Eligibility:
Flap Track	MC0523231-14	0523231-14	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 6267, Rev. A Dated 09/02/2010 or later FAA approved revisions.	Cessna	R172K s/n R1722000 thru R1722929; T-41B s/n ALL; T-41C s/n ALL; T-41D s/n ALL; R172E s/n ALL; R172F s/n ALL; R172G s/n ALL; R172H s/n ALL; 152 s/n 15279406 thru 15285564; A152 s/n A1520735 thru A1521014; F152 s/n F15201429 thru F15201908; FA152 s/n FA1520337 thru FA1520387; 172RG s/n 172RG0001 thru 172RG0409
Flap Track	MC0525001-2	0525001-2	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 6267, Rev. A Dated 09/02/2010 or later FAA approved revisions.	Cessna	R172K s/n R1723400 thru R1723454; FR172K s/n FR17200666 thru FR17200675;
Flap Track	MC1221010-8	1221010-8	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 6267, Rev. Original Dated 12/30/2009 or later FAA approved revisions.	Cessna	182S s/n 18280001 thru 18280711; F182Q s/n F1820095 thru F18200169; T182 s/n ALL; T182T 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. 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.

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

December 6, 2010

Date: