



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

March 29, 2010

Project No. PQ3732CE

Mr. David A. McFarlane
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 23, 2009, 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.44**.

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 apply to the enclosed PMA Listing-Supplement **No.44**. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

//TN//

Tilak Nandipati,
Senior 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. 44
Date: March 29, 2010

<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>
Carburetor Heat Control/ Induction Air Control	MCS1230-2	S1230-2	Test and Computation per 14 CFR § 21.303. <u>DWG No:</u> 6252, <u>Rev:</u> . none, <u>Date:</u> 01-08-08 or later FAA approved revisions	Cessna Aircraft Company	F150F, G s/n F150-0001 thru F150-0219
Carburetor Heat Control	MCS1230-19	S1230-19	Test and Computation per 14 CFR § 21.303. <u>DWG No:</u> 6252, <u>Rev:</u> . none, <u>Date:</u> 01-08-08 or later FAA approved revisions	Cessna Aircraft Company	F150H, J, K, L, M s/n F150-0220 thru F150- 1428, FA150K, L, s/n FA1500001 thru FA1500120, FRA150L, M s/n FRA1500121 thru FRA1500336, F152 s/n F15201429 thru F1521952, FA152 s/n FA 1520337 thru FA1520387.
Carburetor Heat Control	MCS1230-7	S1230-7	Test and Computation per 14 CFR § 21.303. <u>DWG No:</u> 6252, <u>Rev:</u> . none, <u>Date:</u> 01-08-08 or later FAA approved revisions	Cessna Aircraft Company	F172G, H s/n F172-0180 thru F1725-0059.
Carburetor Heat Control	MCS1230-17	S1230-17	Test and Computation per 14 CFR § 21.303. <u>DWG No:</u> 6252, <u>Rev:</u> . none, <u>Date:</u> 01-08-08 or later FAA approved revisions	Cessna Aircraft Company	F172H, K, L, M, N, P s/n F172-0560 thru F17202254.
Carburetor Heat Control	MCS1230-10	S1230-10	Test and Computation per 14 CFR § 21.303. <u>DWG No:</u> 6252, <u>Rev:</u> . none, <u>Date:</u> 01-08-08 or later FAA approved revisions	Cessna Aircraft Company	F182P, Q, s/n F18200001 thru F18200169, FR182 s/n FR18200001 thru FR18200070.

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

NOTE: The procedures that are acceptable to the Type Certificate or TSO authorization holder and their cognizant FAA Aircraft Certification Office, for minor changes to original parts used on type-certificated products, are also acceptable for the incorporating the same minor changes on identical FAA-PMA replacement parts. The FAA-PMA holder must show traceability to the TC, STC, or TSO authorization holder on all minor changes incorporated by this procedure. When these procedures are no longer applicable because of completion of the production contract, or termination of the licensing agreement or business relationship, submit all subsequent minor design changes to the PMA parts in a manner

determined by the ACO. TC, STC, or TSO authorization holder controls all major design changes to drawings and specifications.

//TN//

March 29, 2010

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

Date:

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