



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

March 1, 2012

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 October 31, 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.58.**

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.58.**

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



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FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA No: PQ3732CE
Supplement No. 58
Date: March 1, 2012

<u>Article 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>
Fuel Vent Line	MC0400311-119	0400311-119, 0400311-86, 0400311-52, 0400311-20	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 6218, Rev. C Dated 9/5/2011 or later FAA approved revisions.	Cessna	150 s/n all (STANDARD TANKS; ONLY FOR USE WITH CESSNA VENT ASSEMBLY 0523552-2); 150A s/n all (STANDARD TANKS; ONLY FOR USE WITH CESSNA VENT ASSEMBLY 0523552-2); 150B s/n all (STANDARD TANKS); 150C s/n all (STANDARD TANKS); 150D s/n all (STANDARD TANKS); 150E s/n all (STANDARD TANKS); 150F s/n all (STANDARD TANKS); 150G s/n all (STANDARD TANKS); 150H s/n all (STANDARD TANKS); 150J s/n all (STANDARD TANKS);
Fuel Vent Line	MC0400311-121	0400311-121, 0400311-87, 0400311-53, 0400311-33	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 6218, Rev. C Dated 9/5/2011 or later FAA approved revisions.	Cessna	150 s/n all (EXTENDED RANGE TANKS; ONLY FOR USE WITH CESSNA VENT ASSEMBLY 0523552-2); 150A s/n all (EXTENDED RANGE TANKS; ONLY FOR USE WITH CESSNA VENT ASSEMBLY 0523552-2); 150B s/n all (EXTENDED RANGE TANKS); 150C s/n all (EXTENDED RANGE TANKS); 150D s/n all (EXTENDED RANGE TANKS); 150E s/n all (EXTENDED RANGE TANKS); 150F s/n all (EXTENDED RANGE TANKS); 150G s/n all (EXTENDED RANGE TANKS); 150H s/n all (EXTENDED RANGE TANKS); 150J s/n all (EXTENDED RANGE TANKS);
Fuel Vent Line	MC0523559-6	0523559-6	Test and Computation per 14 CFR § 21.303. McFarlane Drawing List 6218, Rev. C Dated 9/5/2011 or later FAA approved revisions.	Cessna	172K (T-41A) s/n all (EXTENDED RANGE TANKS); 172L s/n all (EXTENDED RANGE TANKS); 172M (1973-1974) s/n 17260759 thru 17260805 (EXTENDED RANGE TANKS); F172H (1967- 1969) s/n F172-0560 thru F172- 0654 (EXTENDED RANGE

Fuel Vent Line MC0523559-8 0523559-8

Test and Computation per 14
CFR § 21.303, McFarlane
Drawing List 6218, Rev. C
Dated 9/5/2011 or later FAA
approved revisions.

Cessna

TANKS); F172H (1970) s/n all
(EXTENDED RANGE TANKS);
F172K s/n all (EXTENDED
RANGE TANKS); F172L s/n all
(EXTENDED RANGE TANKS);
FP172 s/n all; P172D s/n all; 175
s/n all (ONLY FOR USE WITH
CESSNA VENT ASSEMBLY
0523552-2); 175A s/n all (ONLY
FOR USE WITH CESSNA VENT
ASSEMBLY 0523552-2); 175B s/n
all (ONLY FOR USE WITH
CESSNA VENT ASSEMBLY
0523552-2); 175C s/n all (ONLY
FOR USE WITH CESSNA VENT
ASSEMBLY 0523552-2);

172 s/n all (ONLY FOR USE WITH
CESSNA VENT ASSEMBLY
0523552-2); 172A s/n all (ONLY
FOR USE WITH CESSNA VENT
ASSEMBLY 0523552-2); 172B s/n
all (ONLY FOR USE WITH
CESSNA VENT ASSEMBLY
0523552-2); 172C s/n all (ONLY
FOR USE WITH CESSNA VENT
ASSEMBLY 0523552-2); 172D s/n
all (STANDARD TANKS); 172E
s/n all (STANDARD TANKS); 172F
(T-41A) s/n all (STANDARD
TANKS); 172G (T-41A) s/n all
(STANDARD TANKS); 172H (T-
41A) s/n all (STANDARD TANKS);
172I s/n all (STANDARD TANKS);
172K (T-41A) s/n all (STANDARD
TANKS); 172L s/n all (STANDARD
TANKS); 172M (1973-1974) s/n
17260759 thru 17260805
(STANDARD TANKS); F172D s/n
all (STANDARD TANKS); F172E
s/n all (STANDARD TANKS);
F172F s/n all (STANDARD
TANKS); F172G s/n all
(STANDARD TANKS); F172H
(1967-1969) s/n all (STANDARD
TANKS); F172H (1970) s/n all
(STANDARD TANKS); F172K s/n
all (STANDARD TANKS); F172L
s/n all (STANDARD TANKS);

----- 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 Tilak Nandipati

Manager, Kansas City
Manufacturing Inspection District Office

March 1, 2012

Date: