

Instructions for Continued Airworthiness
McFarlane Aviation Inc. FAA-PMA Part Number MC0400311-119, MC0400311-120, MC0400311-121,
MC0400311-122, MC0523098-1, MC0523559-6, MC0523559-8, MC0523559-11, MC0523559-12,
MC0716122, MC0716127-1, MC0716127-2, MC1200106-51, MC1200106-52,
MC1200106-266, and MC1200106-267 Fuel Vent Lines.
FAA PMA Number: PQ3732CE

Notice: Verify that this document is the latest approved revision before use! Current version can be found at:
www.McFarlaneAviation.com/ICA

INTRODUCTION

This document is provided to provide for the continued airworthiness of McFarlane Aviation, Inc. PMA replacement fuel vent lines eligible for installation on various Cessna model aircraft. Part Numbers are: MC0400311-119, MC0400311-120, MC0400311-121, MC0400311-122, MC0523098-1, MC0523559-6, MC0523559-8, MC0523559-11, MC0523559-12, MC0716122, MC0716127-1, MC0716127-2, MC1200106-51, MC1200106-52, MC1200106-266, and MC1200106-267. This document specifically concerns the installation of the replacement fuel vent lines. For all items not related to the installation of the McFarlane Aviation, Inc. FAA-PMA fuel vent lines, refer to the basic airplane model service and parts manuals.

SYSTEM DESCRIPTION

Cessna Model Series 150, F150, 152, A152, 170B, 172, 172RG, FR172, P172, R172, 175, 177, 177RG, 180, 182, R182, T182, TR182, 185, 205, 206, P206, T206, TP206, TU206, U206, 207, T207, 210, and T210 aircraft incorporate the use of one or more fuel vent lines to prevent a vacuum from forming in the fuel system during flight. McFarlane Aviation, Inc. fuel vent lines are direct PMA replacement for Cessna P/Ns 0400311-119, 0400311-120, 0400311-121, 0400311-122, 0523098-1, 0523559-6, 0523559-8, 0523559-11, 0523559-12, 0716122, 0716127-1, 0716127-2, 1200106-51, 1200106-52, 1200106-266, and 1200106-267.

Note: McFarlane Aviation, Inc. part numbers are derived from the corresponding OEM part number by adding a "MC" prefix.

A McFarlane Aviation, Inc. FAA-PMA fuel vent line differs from the corresponding OEM part in that it incorporates a formed feature to prevent the loss of fuel while parked on unlevelled grades.

SPECIAL OPERATING INFORMATION

None applicable

PART REMOVAL, REPLACEMENT, AND SERVICE INFORMATION

Refer to the applicable Cessna Service Manual, Service Bulletins, and other published Cessna Service information for installation/maintenance instructions and the applicable Cessna Illustrated Parts Catalog for component part numbers. The following additional step applies:

1. Upon completing installation of the fuel vent line, visually inspect to verify that the McFarlane FAA-PMA fuel vent line is not in contact with the wing spar, upper skin, lower skin, or any other part of the aircraft structure and that it does not interfere with the operation of any other aircraft system. Manually adjust the vent line to achieve correct clearance as needed. **CAUTION: Position and orientation of vent line inlet are important. Verify inlet position/orientation after any adjustments to the vent tube.**

TROUBLESHOOTING

Installation of the McFarlane Aviation, Inc. P/N MC0400311-119, MC0400311-120, MC0400311-121, MC0400311-122, MC0523098-1, MC0523559-6, MC0523559-8, MC0523559-11, MC0523559-12, MC0716122, MC0716127-1, MC0716127-2, MC1200106-51, MC1200106-52, MC1200106-266, and MC1200106-267 does not alter the existing troubleshooting information.

PLACARDS

None applicable

DATA

All information to support the continued airworthiness of this modification is as defined herein and contained in:

- Applicable Cessna Service Manual
- Applicable Cessna Illustrated Parts Catalog

INSPECTION

Installation of the McFarlane Aviation, Inc. P/N MC0400311-119, MC0400311-120, MC0400311-121, MC0400311-122, MC0523098-1, MC0523559-6, MC0523559-8, MC0523559-11, MC0523559-12, MC0716122, MC0716127-1, MC0716127-2, MC1200106-51, MC1200106-52, MC1200106-266, or MC1200106-267 does not alter the existing inspection requirements.

C	03/12/2013	Typographical corrections	 McFarlane Aviation, Inc. 696 E 1700 Rd, Baldwin City, KS 66006	Engineering Mgr <i>[Signature]</i> 3-12-2013	Quality Mgr <i>[Signature]</i> 3-13-13
B	04/27/2012	Added new approved parts		Project Engineer <i>[Signature]</i>	Manufacturing Mgr <i>[Signature]</i> 3-13
A	07/19/2010	Updated Format & Contact Information			
~	01/26/2010	Original Release			
"X": Bold letter indicates Revision Level.			REVISION	Title: Fuel Vent Line Instructions for Continued Airworthiness	
				Page: 1 of 2	
				Drawing No: 6280	

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RECOMMENDED OVERHAUL PERIODS

No additional overhaul time limitations exist with the use of this part.

AIRWORTHINESS LIMITATIONS

The Airworthiness Limitations section is FAA approved and specifies maintenance required under Sec. 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved. No additional airworthiness limitations exist.

ASSISTANCE & REVISIONS

ICA revisions shall be made available on the McFarlane website, www.McFarlaneAviation.com/ICA. For questions or assistance regarding these Instructions for Continued Airworthiness (ICA), contact McFarlane Aviation, Inc. via email or phone. Email: engineering@mcfarlaneaviation.com
 Phone: 1-800-544-8594 (within the US) or 1-785-594-2741.

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