



McFarlane Aviation Products

Instructions for Continued Airworthiness

McFarlane Aviation Inc. FAA-PMA Part Number MC1250309-1 Bearing Assembly and MC0850500-31 Bearing Assembly.
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

Approved By:


Quality Assurance Manager
Engineering Manager
Production Manager

Revisions

Revision	Date	Summary
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List of Effective Pages

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INTRODUCTION

This document is intended to provide for the continued airworthiness of McFarlane Aviation, Inc. PMA Bearing Assemblies, part numbers MC0850500-31 and MC1250309-1. MC0850500-31 is eligible for installation on various Cessna model 206 & 210 aircraft. MC1250309-1 is eligible for installation on various Cessna model 206, 207, & 210 aircraft. Both assemblies are composed of a bearing housing and an installed Viton rubber bearing. For all items not related to the installation of the McFarlane Aviation, Inc. bearing assembly, refer to the basic airplane model service and parts manuals.

SYSTEM DESCRIPTION

McFarlane PN MC1250309-1, Bearing Assembly and MC0850500-31 Bearing Assembly, are components of the aircraft induction heat box. The bearings are installed on either side of the heat box and hold the shaft in position, allowing it to turn so as to adjust the position of the flapper valve.

SPECIAL OPERATING INFORMATION

The control and operation of the induction heat box do not change with the installation of the bearing assembly; see applicable Cessna Service Manual for the operational control of this system.

PART REMOVAL, REPLACEMENT, AND SERVICE INFORMATION

Remove the bearing assembly and install the McFarlane bearing assembly per the applicable Cessna Model Service Manual.

Refer to the applicable Cessna Model Service Manual for installation/maintenance instructions and the applicable Cessna Illustrated Parts Catalog for component part numbers.

The Viton bearing used in the McFarlane bearing assembly requires the smooth finish provided by the McFarlane ground chrome shaft. The OEM provided cadmium plated shaft does not present a sufficiently smooth finish, and as a result, is incompatible with the McFarlane bearing assembly. Therefore the following exceptions to the Cessna instructions, specific to the McFarlane parts, apply:

1. McFarlane Bearing Assembly, PN MC1250309-1, to be installed only in conjunction with the McFarlane Shaft, PN MC1250311-1.
2. McFarlane Bearing Assembly, PN MC0850500-31, to be installed only in conjunction with the McFarlane Shaft, PN MC0850500-37.

TROUBLESHOOTING

Refer to the applicable Cessna Model Service Manual for troubleshooting instructions and the applicable Cessna Illustrated Parts Catalog for component part numbers.

PLACARDS

None applicable

DATA

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

- Relevant Cessna Model Service Manuals.
- Relevant Cessna Model Illustrated Parts Catalog.

INSPECTION

RECOMMENDED OVERHAUL PERIODS

No additional overhaul time limitations exist with the use of these parts.

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.