



## McFarlane Aviation Products

### Instructions for Continued Airworthiness

McFarlane Aviation, Inc. FAA-PMA Part Number MCLJ75313 & MCLJ75314 - LANYARDS.

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](http://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

Page	Rev/Date
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#### **INTRODUCTION**

This document is intended to provide for the continued airworthiness of McFarlane Aviation, Inc. PMA Lanyards eligible for installation on Boeing 757 aircraft. The part numbers are MCLJ75313 and MCLJ75314 and they are comprised of two terminals swaged onto an annealed wire rope (cable), which have been covered in a jacket/shrink tube. The purpose of this ICA is to provide maintenance personnel and operators inspection criteria to determine when the lanyard or door system has been stressed. This ICA provides inspection criteria as none currently exist from Boeing.

#### **SYSTEM DESCRIPTION**

McFarlane PNs MCLJ75313 and MCLJ75314 lanyards are components of the aircraft thrust reverser. The lanyards are attached to the rear latch access door and the right-hand fixed structure. These lanyards limit the range of the door while opening as well as operate as a safety lanyard should the door open during flight. The McFarlane annealed cable is designed to absorb kinetic energy should the door open during flight. The cable is also designed with an indicator band which will identify if the cable has been stressed/stretched and requires lanyard replacement and further inspection of the door system.

#### **SPECIAL OPERATING INFORMATION**

The control and operation of the Rear Latch Access Door does not change with the installation of the McFarlane lanyards; see applicable Boeing 757 Service Manual for the operational control of this system.

#### **PART REMOVAL, REPLACEMENT, AND SERVICE INFORMATION**

Remove the Lanyard and install the McFarlane Lanyard per the applicable Boeing 757 Service Manual.

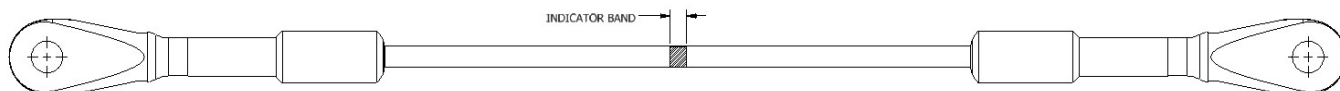
Refer to the applicable Boeing 757 Model Service Manual for installation/maintenance instructions and the applicable Boeing 757 Illustrated Parts Catalog for component part numbers.

The following exceptions to the Boeing instructions, specific to the McFarlane parts, apply:

McFarlane lanyards inspection to be performed while performing Boeing 757 Aircraft Maintenance Manual Task 78-31-20-216-003-R00, Thrust Reverser Fixed Duct Assembly Inspection. The following instructions, specific to the McFarlane parts, apply:

Instructions:

1. The McFarlane lanyards are designed with an indicator band (shown below). This indicator band is a gap in the external jacket/shrink tube showing bare cable. The indicator band is designed to show if the cable has been stressed and stretched.



2. Perform a general visual inspection of the lanyards for noticeable damage. If more than two individual wires are fractured, replace the lanyard.
3. As shown above, if Indicator Band measures .300 inches or greater, replace the lanyard per Relevant Boeing Model Service Manuals.
4. If indicator band measurement exceeds .300 inches, visually inspect lanyard attachment points, door assembly and hinges of rear latch access door for damage.

#### **TROUBLESHOOTING**

Refer to the applicable Boeing Model Service Manual for troubleshooting instructions and the applicable Boeing 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 Boeing Model Service Manuals and Boeing Service Instructions.
- Relevant Boeing 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](http://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](mailto:engineering@mcfarlaneaviation.com) Phone: 1-800-544-8594 (within the US) or 1-785-594-2741.