



Document Number: Report 003

**Type: Instructions for Continued
Airworthiness**

**Aircraft: PA-18 Series with 3” extended
landing gear**

**Project: Light Weight Landing Gear Safety
Ropes**

Release Number: IR

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Prepared for:

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LOG OF REVISIONS

Rev Level	Date	Change Description	Approved
IR	March 26, 2020	Initial Release	

For current revision of this manual, please contact the manufacturer.

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REFERENCE

Aircraft Inspection, Repair, and Alterations AC 43.13: Acceptable Methods, Techniques and Practices.

1.0 INTRODUCTION

This document presents instructions for continued airworthiness as required for this Supplemental Type Certificate. Installation of this STC should be accomplished by an A&P or equivalent. Workmanship should be of the aircraft industry standard using AC 43.13-1B as a reference and guide.

These instructions are to be included in the aircraft Maintenance Material when the Airframes Alaska PA-18, 3” extended light weight landing gear safety ropes are installed.

The information contained in this manual supplement or supersedes the type design data only in those areas pertaining to this STC. For maintenance practices and procedures, not contained in this, consult the maintenance materials, or other information that was required by applicable regulations under which this aircraft was type certified.

This STC covers the following PA-18 model Aircraft equipped with 3” extended main landing gear, including wide-body variants.

TCDS	PA-18 Models
1A2	PA-18, PA-18S
1A2	PA-18 (105)
1A2	PA-18S (105)
1A2	PA-18A
1A2	PA-18 (125)
1A2	PA-18S (125)
1A2	PA-18AS (125)
1A2	PA-18 (135)
1A2	PA-18A (135)
1A2	PA-18S (135)
1A2	PA-18AS (135)
1A2	PA-18 (150)
1A2	PA-18A (150)
1A2	PA-18S (150)
1A2	PA-18AS (150)
1A2	PA-19
1A2	PA-19S

2.0 AIRWORTHINESS LIMITATIONS

“The Airworthiness Limitations section is FAA approved and specifies maintenance required under 14 CFR, Sections 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.”

Instructions for Continued Airworthiness:

Instruction Criteria

100 Hour / Annual

(100 hour or Annual inspection interval, whichever comes first)

1. Replace – The light weight PA-18 landing gear safety rope assemblies after 10 years in service due to the possibility of UV degradation. Airframes Alaska will not support assemblies that have been installed on an aircraft longer than 10 years. Ensure that a log book entry in the maintenance logs is made to identify the date that safety ropes were installed so that the in-service life can be tracked.
2. Inspect – The ropes for fry, damage, and wear. If any rope shows signs of fry, damage, or wear, replace the affected rope assembly.
3. Inspect – All mounting hardware used to secure the PA-18 light weight safety ropes for presence and adequate tightness.
4. Inspect – Rope clearance to ensure the landing gear can travel without restriction from the safety ropes.

*****END*****