

Absolute Solutions LLC

13565 S Carus Rd.

Oregon City OR 97045

FAA APPROVED FLIGHT MANUAL SUPPLEMENT

for the

Absolute Solutions LLC Gear Horn Upgrade

as installed in

Piper PA-44-180

Registration number:

Serial number:

This document serves as an FAA approved Airplane Flight Manual Supplement when the Absolute Solutions LLC gear warning horn is installed in accordance with Supplemental Type Certificate SA02760SE. This Document must be incorporated into the FAA approved airplane flight manual.

The information contained herein supplements the information in the FAA Approved Airplane Flight Manual. For limitations, procedures loading and performance information not contained in this document, refer to the FAA Approved Airplane Flight Manual, markings, or placards.

 Digitally signed by  
PETER H DONATH  
Date: 2022.12.05  
17:09:11 -08'00'

FAA APPROVED BY: \_\_\_\_\_,for

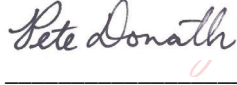
Manager, Northwest Flight Test Section, AIR-715  
Federal Aviation Administration  
Des Moines, WA 98198

DATE: 05 December 2022

PA-44-180 AFMS, Absolute Solutions LLC  
Gear Horn Upgrade  
FAA APPROVED: DECEMBER 05, 2022

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Page i

LOG OF REVISIONS				
Revision number	Date	Number	Description	FAA Approved
IR	12/05/2022	All	Complete Supplement	<div>  Digitally signed by PETER H DONATH  Date: 2022.12.05 17:09:47 -08'00' </div> <hr/> Peter Donath, for Manager, Northwest Flight Test Section, AIR-715 Federal Aviation Administration Des Moines, WA  Date: 05 Dec 2022

## Table of contents

SECTION	PAGE
<b>Section 1. General</b>	<b>1</b>
<b>Section 2. Limitations</b>	<b>1</b>
<b>Section 3. Emergency procedures</b>	<b>1</b>
<b>Section 4. Normal procedures</b>	<b>1</b>
<b>Section 5. Performance</b>	<b>1</b>
<b>Section 6. Weight and Balance</b>	<b>1</b>
<b>Section 7. Handling, servicing and maintenance</b>	<b>1</b>
<b>Section 8. Supplements</b>	<b>1</b>
<b>Section 9. Safety and operational tips</b>	<b>1</b>
<b>Section 10. System Description</b>	<b>2</b>

## **Section 1. General**

### **1.1 Absolute Solutions LLC Gear Horn Upgrade**

The Absolute Solutions LLC Gear Horn Upgrade is part of a system that alerts the pilot a potentially unsafe gear condition exists. A more modern, reliable piezoelectric horn produces a gear warning alert at a frequency of 180 beeps/min in situations when the aircraft is in an UNSAFE landing gear configuration.

## **Section 2. Limitations**

NO CHANGE

## **Section 3. Emergency procedures**

NO CHANGE

## **Section 4. Normal procedures**

NO CHANGE

## **Section 5. Performance**

NO CHANGE

## **Section 6. Weight and Balance**

NO CHANGE

## **Section 7. Handling, Servicing and Maintenance**

NO CHANGE

## **Section 8. Supplements**

NO CHANGE

## **Section 9. Safety and operational tips**

NO CHANGE

## **Section 10. System description**

### **10.1 Absolute Solutions LLC Gear Horn Upgrade operation**

The gear horn which operates at a frequency of 180 beeps/min, alerts the operator that one of the following conditions exist:

- The gear is not locked down and the manifold pressure has fallen below approximately 14 inches on either one or both engines.
- The gear selector is in the UP position when the airplane is on the ground.
- The gear selector is in the UP position and wing flaps are extended to the second or third notch position.