

Absolute Solutions LLC
13565 S Carus Rd.
Oregon City OR 97045
ASGH-AFMS-000 Rev. 1

FAA APPROVED AIRPLANE FLIGHT MANUAL SUPPLEMENT

To the
Piper PA-44-180, PA-34-220T, PA-28R-200
Flight Manual
for the
Absolute Solutions LLC Gear Horn Upgrade
as installed in
STC SA02760SE

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.

FAA APPROVED BY: _____ (for)

Manager, Flight Test & Human Factors Branch, AIR-710
Federal Aviation Administration

DATE: 04/01/2026

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AFMS Supplement to
Gear Horn Upgrade
Piper PA-22, PA-34, PA-28R
STC No: SA02760SE

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LOG OF REVISIONS				
Revision number	Date	Page Number	Description	FAA Approved
IR	04/21/22	All	Complete Supplement	See page (i)
1	04/01/2026	All	Added additional models	<u>Adnan Ali, FTE, AIR-713 (for)</u> Manager, Flight Test & Human Factors Branch, AIR-710 Federal Aviation Administration Los Angeles, WA Date: <u>04/01/2026</u>

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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

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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:

PA-44-180/T:

- The gear is not locked down and the manifold pressure has fallen below 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.

PA-34-220T:

- The landing gear is not down and locked, and engine power (manifold pressure) is reduced to approximately 14" HG

PA-28R-200:

- In flight, engine manifold pressure is reduced to approximately 14" HG or below and the gear selector is not in the DOWN position.
- On the ground, when the master switch is on and the gear selector is in the UP position.