

FLIGHT BOSS LTD
6020 N Honeytown Rd
Smithville, OH 44677

REPORT NO:	FBL-05-01004
REVISION NO.	G
REVISION DATE:	10/08/2010
PAGE NO:	1 OF 6

**INSTALLATION INSTRUCTIONS
RUDDER PEDAL EXTENSION STC**

FAA APPROVED

NOV 03 2010 AK
ACE-116C

CHICAGO AIRCRAFT
CERTIFICATION OFFICE
CENTRAL REGION

THOMAS D MORGAN <i>Thomas D. Morgan</i>	07/24/06
Prepared By	Date

<i>[Signature]</i>	07/24/06
Approved By	Date

Production Release By	Date

FLIGHT BOSS LTD
 6020 N Honeytown Rd
 Smithville, OH 44677

REPORT NO: FBL-05-01004
 REVISION NO. G
 REVISION DATE: 10/08/2010
 PAGE NO: 2 OF 6

LOG OF REVISIONS

REVISION		DESCRIPTION OF REVISION	APPROVED BY
LTR	DATE		
IR	11/19/05	INITIAL RELEASE	
A	2/08/06	Added statement to clarify that no specific instructions were required to assure continued airworthiness <i>TL</i>	
B	2/27/2006	Revised for formatting concern, emphasis on Flight Boss Instructions for Continuing Airworthiness program. <i>LS</i>	
C	8/12/2006	Complete Revision to accommodate expanded affectivity list per STC amendment. <i>TL</i> <i>LS</i>	
D	10/31/2006	Removed Appendix B since AML accompanies this report in shipping box, corrected typo in Section 4. <i>TL</i> <i>LS</i>	
E	07/29/2007	Removed unnecessary text. <i>TL</i> <i>LS</i>	
F	09/08/2010	Added table to clarify approved locations <i>TL</i> <i>LS</i>	
G	10/08/2010	Revised to incorporate AEG suggested Changes <i>TL</i> <i>LS</i>	

1. Purpose: The purpose of this report is to provide the necessary steps to install the S-RPE-C Rudder Pedal Extensions on any approved aircraft.

2. Affectivity: The installation of the Flight Boss Ltd model S-RPE-C is approved for installation or relocation on aircraft identified in Approved Model List (AML). See table 1-1 for approved locations. At the discretion of the owner/operator or maintainer, a log of position changes may be maintained and kept in the map box or other location.

TABLE 1-1 S-RPE-C APPROVED LOCATIONS			
Pilot's Extensions (left seat)		Copilot's Extensions (right seat)	
Left Rudder Pedal	Right Rudder Pedal	Left Rudder Pedal	Right Rudder Pedal
ON	ON	ON	ON
ON	ON	ON	OFF
ON	ON	OFF	ON
ON	ON	OFF	OFF
ON	OFF	ON	ON
OFF	ON	ON	ON
OFF	OFF	ON	ON
ON	OFF	ON	OFF
ON	OFF	OFF	ON
ON	OFF	OFF	OFF
OFF	ON	ON	OFF
OFF	ON	OFF	ON
OFF	ON	OFF	OFF
OFF	OFF	ON	OFF
OFF	OFF	OFF	ON
OFF	OFF	OFF	OFF

Note: Each S-RPE-C Rudder Pedal Extension is approved to be mounted on, or relocated to, any, all or no rudder pedals. Each line in this table represents approved locations. Subsequent installation would not require a 337 when removing or replacing the extensions

3. Related Documents:

- a. Cessna Maintenance Manual, current revision
- b. Appendix A of this report, FBL-05-01004, "Installation Instructions Rudder Pedal Extension STC", current revision

c. Flight Boss Ltd Report FBL-06-01005, FAA Accepted Instructions for Continuing Airworthiness Supplement, current revision

4. Installation and Removal Instructions:

First time installation:

- a. Visually inspect the contents of the shipping boxes and verify that the FBL0520101-2 Top Clip (1), FBL0520101-3 Bottom Clip (1), MS51957-80 Stainless Steel Panhead Screws (4), and MS35338-139 (4), Lock Washers are installed on the FBL0520101-1 Body. The fasteners on the Bottom Clip should be secure, and the fasteners on the Top Clip should have about ½” of thread visible. Verify parts are free from defects and acceptable for use.
- b. Install the extensions in accordance with Flight Boss Ltd drawing in Appendix A¹.
NOTE: The Rudder Pedal Extensions are installed on the airplane, without removing the rudder pedals.
- c. Include the FAA Accepted Instructions for Continued Airworthiness with the appropriate manuals for the aircraft.
- d. Provide notification of the installation to Flight Boss Ltd in accordance with paragraph 5 of these instructions.

Subsequent Installations:

- a. Visually inspect the general condition of the rudder pedal extensions for cuts, scratches, serious flaws or abnormalities.
- b. Check the S-RPE-C Rudder Pedal Extensions to assure all fasteners, washers and clips intact and in place.
- c. Install the extensions in accordance with Appendix A of this report

Removals:

- a. Loosen, but do not remove, the two screws securing the TOP CLIP. The fasteners should have about ½” of thread showing.
- b. Remove the extension by pulling the upper end of extension away from the pedal and sliding it down.

5. Reporting Installations and Discrepancies: Flight Boss Ltd. maintains a listing of all known aircraft that have this STC installed. On first installation, please provide the Airplane Registration number (“N Number”) and Airplane Serial number to Flight Boss LTD by fax, letter or postcard. The purpose for registering this STC with Flight boss LTD is to alert all current owners of any changes in limitations or instructions for continuing airworthiness due to this STC.

¹ The appendix A drawing (or a copy) should stay with the airplane to assist in future removals and installations. Additional copies may be freely downloaded from our website at Saircorp.com

FLIGHT BOSS LTD
6020 N Honeytown Rd
Smithville, OH 44677

REPORT NO:	FBL-05-01004
REVISION NO.	G
REVISION DATE:	10/08/2010
PAGE NO:	5 OF 6

6. If any difficulties are noted during installation or under flight conditions, please contact Flight Boss LTD immediately.

FLIGHT BOSS LTD
6020 N. Honeytown Rd
Smithville, OH 44677
Phone: 330-669-9099; Fax: 330-669-8533



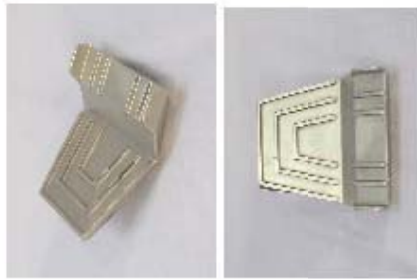
FLIGHT BOSS LTD
6020 N. Honeytown Road
Smithville, Ohio 44677
330-669-9099
330-669-8533 Fax
Information@Saircorp.com

S-RPE-C Rudder Pedal Extension Installation

The Rudder Pedal Extensions are designed for easy installation and removal. These Extensions are extremely strong and will not come off until you want them off. **It is not necessary to remove the aircrafts rudder pedals for this installation.**



Fits All Cessna with this Standard Face.



We'll use these as an example "Ships" Rudder Pedal.



1. Loosen Both Top Screws until about 1/2" of thread shows.



2. Hook the Lower Clip under the Bottom of the Ships Pedal and lift.



3. Lift UP on the Top Clip until it clears the Ships Pedal. Hook the Clip over the Pedal.



4. Using a 5/32 Allen wrench Tighten Both Top Screws. Be Careful not to over tighten



5. Locked in Place



6. Clips are fully engaged.

NOTE:
The bottom two screws are Thread Locked and Factory Torqued. It should NOT be Necessary to loosen the bottom screws For Installation.