

Airglas, Inc. ®
3500 O'Malley Rd.
Anchorage, AK 99507

Rotorcraft Flight Manual Supplement
Airglas Inc. ®, LRSCE-R44
Robinson R44, R44 II

DOCUMENT AI-LRSCE-R44-FM

FAA APPROVED
ROTORCRAFT FLIGHT MANUAL SUPPLEMENT
FOR ROBINSON MODELS:
R44 and R44 II
Equipped with

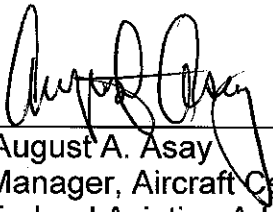
AIRGLAS LRSCE-R44 REAR SEAT CARGO EXTENSIONS

Registration Number: _____

Serial Number: _____

This supplement must be attached to the aircraft FAA Approved Rotorcraft Flight Manual and must be carried in the rotorcraft when the *Airglas, Inc. ®* **LRSCE-R44** rear seat cargo extension is installed in accordance with STC SR02430AK.

The information contained in this document supplements or supersedes the basic manual and applicable appendices only in those areas listed. For limitations, procedures, and performance information not contained in this supplement, consult the basic FAA Approved Rotorcraft Flight Manual.

FAA Approved: 
August A. Asay
Manager, Aircraft Certification Office
Federal Aviation Administration
Anchorage, Alaska

Date: NOV 13 2014

Airglas, Inc. ®
3500 O'Malley Rd.
Anchorage, AK 99507

Rotorcraft Flight Manual Supplement
Airglas Inc. ®, LRSCE-R44
Robinson R44, R44 II

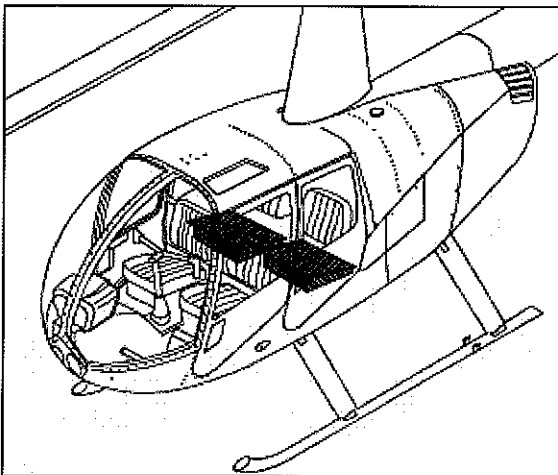
LOG OF REVISIONS

Revision	Pages Affected	Description	Approval	Date
Original	All	Original Document	August A. Asay	7/24/2014
A	All	Corrected sections 2, 7	See Cover	

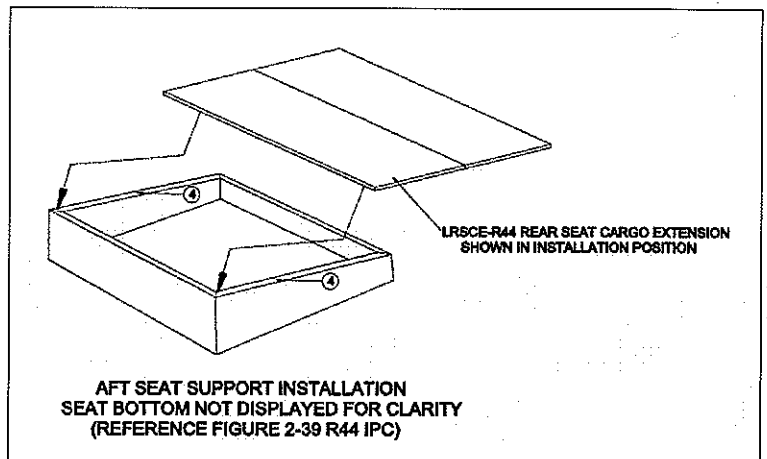
FAA Approved Date: NOV 13 2014

SECTION 1 GENERAL

This helicopter is equipped with *Airglas Inc. ®*, **LRSCE-R44** rear seat cargo extension(s). This extension is comprised of a fiberglass board secured to either or both aft seat support frames with Velcro. The cargo extensions allow the carriage of bulkier objects without the risk of wear and damage to the seat upholstery. The cargo extensions fold when not in use and can be stowed in the baggage compartment under the rear seats.



**REAR SEAT CARGO EXTENSIONS
INSTALLED IN ROTORCRAFT**



**REAR SEAT CARGO EXTENSION
ORIENTATION FOR INSTALLATION**

SECTION 2.

Limitations

- A.) *Airspeeds:* NO CHANGE
- B.) *Rotor Speed limits:* NO CHANGE
- C.) *Powerplant limits:* NO CHANGE
- D.) *Weight Limits:*
 - a. Maximum each cargo seat extension: 170 lbs.
 - b. Maximum total per seat including baggage compartment: 220 lbs.
- E.) *CG Limits:* NO CHANGE
- F.) *Flight and Maneuver Limitations:* NO CHANGE

SECTION 2. Limitations (Continued)

	G.) <i>Kinds of Operating Equipment List (KOEL)</i>	
	VFR	VFR
	<u>DAY</u>	<u>NIGHT</u>
LRSCE-R44:	0	0

Note: The (0) used in the above list mean that the equipment and/or system was not required for type certification for that kind of operation.

- H.) *Fuel Limitations:* NO CHANGE
- I.) *Instrument Markings:* NO CHANGE
- J.) *Placards:*

On each LRSCE-R44 cargo extension:

WARNING
Do not exceed 170 lbs. of cargo on each LRSCE-R44 rear cargo seat extension.

SECTION 3. Emergency Procedures

NO CHANGE

SECTION 4. Normal Procedures

To utilize the LRSCE-R44 rear seat cargo extensions, place any desired cargo or baggage in the under-seat storage compartment. Tip the seat bottom forward. Ensure the Velcro on the LRSCE-R44 and the seat base is in good condition, with no worn areas or loose Velcro. Place the LRSCE-R44 on the seat base locating it against the door frame (make sure the Velcro on the LRSCE-R44 aligns with the Velcro on the seat base). Press firmly to seat the LRSCE-R44. Load the LRSCE-R44 with desired cargo and secure with the seat belt.

SECTION 4. Normal Procedures (Continued)

CAUTION

Ensure that the cargo is centered on the LRSCE-R44 rear cargo seat extension.

WARNING

Do not exceed 170 lbs. of cargo on each LRSCE-R44 rear cargo seat extension.

- A.) *Pre-flight:*
 - 1. CHECK – LRSCE-R44 for security, cracks, loose or worn Velcro.
 - 2. CHECK- The baggage placed on the LRSCE-R44 is secured by the seat belt or other approved method.
 - 3. CHECK – The load on each LRSCE-R44 cannot exceed 170 lbs.
 - 4. CHECK- Rotorcraft within approved CG range.
- B.) *Before Starting Engine:* NO CHANGE.
- C.) *Starting Engine:* NO CHANGE
- D.) *Before Takeoff:* NO CHANGE.
- E.) *Before landing:* NO CHANGE.

SECTION 5. Performance Information

NO CHANGE

SECTION 6. Weight and Balance

The equipment added to this helicopter by this modification consists of the LRSCE-R44 rear seat cargo extensions. The installer must revise the rotorcraft empty weight to reflect the installation of the LRSCE-R44. The operator may attach portable devices to the mount within the following limits:

LRSCE-R44 Weight (each)	Baggage Weight (use actual weights)	Baggage Longitudinal CG	Baggage Lateral CG
4.2 lbs.		79.5	12.2*

* right side is positive (+), left side is negative (-).

See the helicopter's current weight and balance report for determining exact weight and balance calculations.

SECTION 7. Systems Description

This helicopter is equipped with *Airglas Inc. ®, LRSCE-R44* rear seat cargo extension(s). This extension is comprised of a fiberglass board secured to the aft seat support frame with Velcro. The cargo extensions allow the carriage of bulkier objects without the risk of wear and damage to the seat upholstery. The cargo extensions fold when not in use and can be stowed in the baggage compartment under the rear seats. The load on the LRSCE-R44 cannot exceed 170 lbs. The load on the LRSCE-R44 and the baggage compartment underneath it cannot exceed 220 lbs. It is critical that the maximum weight limitation is not exceeded. It is the pilot's responsibility to ensure that all cargo is secure and the rotorcraft is within its approved CG range through all phases of the flight.

SECTION 8. Handling and Maintenance

All servicing procedures for this installation are standard. The LRSCE-R44 rear seat cargo extension may be maintained and inspected in accordance with Part 43 of the Federal Aviation Regulations (14 CFR 43). Information on installing, removing, maintaining, and insuring continued airworthiness of the LRSCE-R44 rear seat cargo extension is detailed in the Instructions for Continued Airworthiness *Including* Installation, Maintenance and Service Instructions Manual No. LRSCE-R44-105, Rev (-) dated November 25, 2013 or later FAA approved revision.

-----End-----

NOV 13 2014

FAA Approved Date: _____