



FAA APPROVED
ROTORCRAFT FLIGHT MANUAL SUPPLEMENT
FOR
BELL MODEL 412, MODEL 412EP, AND MODEL 412CF HELICOPTERS

Registration No. _____

Serial No. _____

This supplement must be attached to the FAA-approved Rotorcraft Flight Manual for the Bell Model 412, Model 412EP, or Model 412CF Helicopter when Airglas Engineering Company, Inc., L8500 series skis are installed in accordance with STC SH1919NM, in any of the following combinations:

- (A) P/N L8500A-1 left ski and P/N L8500A-2 right ski (Model 412 or Model 412EP helicopter)
- (B) P/N L8500A-1 left ski and P/N L8500R-2 right ski (Model 412 or Model 412EP helicopter)
- (C) P/N L8500R-1 left ski and P/N L8500R-2 right ski
[P/N L8500RS ski kit (Model 412 or 412EP helicopter) or
P/N L8500RR ski kit (Model 412CF helicopter)]

See Page 3 for a list of rotorcraft flight manuals which may be supplemented by this document.

The information contained in this document supplements or supersedes the basic manual only in those areas listed. For limitations, procedures, and performance information not contained in this supplement, consult the basic rotorcraft flight manual.

FOR FAA-Approved Gordon K. Mandell
Manager, Aircraft Certification Office
Federal Aviation Administration
Anchorage, Alaska

Date March 3, 1995

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LOG OF REVISIONS

Revision Number	Pages Affected	Description of Changes	Date of FAA Approval
---	---	Original Issue	Jun. 08, 1983
1	All	Revised to update basic Rotorcraft Flight Manual and incorporate L8500R-2 ski	Aug. 30, 1991
2	All	Revised to incorporate L8500RR ski kit	Oct. 29, 1993
3	All	Revised to add Model 412EP helicopter, add new Page 3 and renumber subsequent pages, and update list of applicable Rotorcraft Flight Manuals	Feb. 10, 1995
4	1,2,3	Revised to add Model 412CF helicopter, incorporate L8500RS ski kit, and update list of applicable Rotorcraft Flight Manuals	Mar. 03, 1995

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APPLICABLE ROTORCRAFT FLIGHT MANUALS

The FAA-approved Rotorcraft Flight Manuals for the Bell Model 412, Model 412EP, or Model 412CF Helicopter which may be supplemented by this document are as follows:

Model	Serial Numbers	Bell RFM Number	Date*
412	33001 through 33107	BHT-412-FM-1	Jan. 09, 1981
412	33001 through 33107	BHT-412-FM-1 Rev. 2	Mar. 20, 1981
412	33108 through 33213	BHT-412-FM-2	Nov. 17, 1983
412	36001 through 36019	BHT-412-FM-2	Nov. 17, 1983
412	36020 through 36086	BHT-412-FM-3	Feb. 05, 1991
412EP	36087 and subsequent	BHT-412-FM-4	Jun. 23, 1994
412CF	46400 and subsequent	C-12-146-000/MB-001	Mar. 02, 1995

*or later FAA-approved revision



SECTION I LIMITATIONS

Unchanged, except as specified below:

- A. Maximum airspeed in powered flight - Unchanged
- B. Maximum airspeed in unpowered flight - Maximum airspeed at which autorotation has been demonstrated is 105 knots (TIAS).
- C. Maximum weight and C.G. limits - Unchanged

SECTION II NORMAL PROCEDURES

Unchanged

SECTION III EMERGENCY AND MALFUNCTION PROCEDURES

Unchanged

SECTION IV PERFORMANCE

Unchanged

SECTION V PILOT'S CHECKLIST

Add to exterior check:

Check the overall condition of the Airglas skis, and check all attachment clamps which secure the Airglas skis to the landing gear skids for any cracks or looseness.

SECTION VI WEIGHT AND BALANCE DATA

Add to weight and balance data:

The installation of the Airglas P/N L8500A-1 left ski and P/N L8500A-2 right ski adds 136 lbs. at fuselage station 133.0, and at the fuselage buttock line.

The installation of the Airglas P/N L8500A-1 left ski and P/N L8500R-2 right ski adds 134 lbs. at fuselage station 135.0, and at 0.84 in. to the left of the fuselage buttock line.

The installation of the Airglas P/N L8500RS ski kit or P/N L8500RR ski kit adds 132 lbs. at fuselage station 135.0, and at the fuselage buttock line. The P/N L8500RS and P/N L8500RR ski kits consist of P/N L8500R-1 left ski, P/N L8500R-2 right ski, and attaching hardware for Model 412 or Model 412EP helicopter (L8500RS kit) or Model 412CF helicopter (L8500RR kit).



SECTION VII SYSTEMS DESCRIPTION

Add to systems description:

The Airglas P/N L8500R-2 right ski has a cutout which permits rappelling or the use of a rescue hoist.

The Airglas P/N L8500RS and P/N L8500RR ski kits have cutouts in both skis which permit rappelling or the use of a rescue hoist.

SECTION VIII HANDLING AND SERVICING

Unchanged, except as specified below:

- A. Towing - The Airglas skis have cutouts which allow use of the standard ground handling wheels and towing procedure.

SECTION IX OPTIONAL EQUIPMENT SUPPLEMENTS

Unchanged, except for the addition of this supplement.