

AirFilm Camera System
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Supplement No. G1-206-005

**FAA/EASA APPROVED
ROTORCRAFT FLIGHT MANUAL
SUPPLEMENT
TO THE
BELL 206 A, B, B1, L, L1, L3, L4 & 407
ROTORCRAFT FLIGHT MANUAL
WHEN EQUIPPED WITH THE
G-1 NOSE CAMERA MOUNT AND COUNTER
WEIGHT ASSEMBLY AND/OR LANDING
LIGHT**

REGISTRATION #: _____ SERIAL #: _____

The information in this supplement is FAA/EASA approved and must be attached to the appropriate FAA Approved Bell Model 206 A, B, B1, L1, L3, L4, and 407 Rotorcraft Flight Manual when the Airfilm Model G1 Nose Camera Mount and/or G-3 Landing Light is installed in accordance with:

**STC No. SR 01654 LA
EASA.IM.R.S. 01162**

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

FAA APPROVED: _____

[Signature]
Manager, Flight Test Branch, ANM-160L
Federal Aviation Administration
Los Angeles Aircraft Certification Office
Transport Airplane Directorate

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Rev No.	Pg No	Date	Description of Change	FAA Approved
N/C	All	8 Sept 2004	Initial Issue	<p><i>Patrick Power</i></p> <hr/> <p>Mgr, Flight Test Branch ANM-160L, FAA, Los Angeles ACO, Transport Airplane Directorate</p> <p>Date: <u>September 8, 2004</u></p>

LOG OF PAGES

Rev	Pg	Date	Description	FAA Approval
A	1-6	13 July 2006	Added EASA Number to cvr & all pages.	<i>Patricia Power</i>
	2,3		Added "typical" to pictures	Manager, Flight Test Branch ANM160L FAA, LA ACO Transport Airplane Directorate
	4		Added pilot limitation & reformatted section. Cleaned up Airseed wording	Date: <u><i>July 13, 2006</i></u>
	5		Deleted technician wording for removal and installation of camera/sensor Added weight & balance section	

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Rev	Pg	Date	Description	FAA Approval
B	Cvr	6 June 2008	Added landing light	
	2		Showed the counter weight as "optional"	Manager, Flight Test Branch ANM160L FAA, LA ACO Transport Airplane Directorate Date: <u>June 6, 2008</u>

TABLE OF CONTENTS

Section	Page
GENERAL	2
SECTION 1 LIMITATIONS	3
OPERATIONS	3
WEIGHT & SIZE.....	4
AIRSPEED.....	4
PLACARDS.....	4
LANDING LIGHT.....	4
SECTION 2 NORMAL PROCEDURES	5
SECTION 2 EMERGENCY PROCEDURES	5
SECTION 3 PERFORMANCE	5
SECTION 4 WEIGHT & BALANCE	5

TABLE OF FIGURES

Figure	Page
FIGURE 1 SIDE VIEW WITH CAMERA & COUNTER WEIGHT (TYPICAL)	2
FIGURE 2 FRONT VIEW WITH CAMERA & LANDING LIGHT (TYPICAL)	3

GENERAL

The Airfilm G1 Nose Camera Mount System consists of an aluminum alloy bracket that attaches externally to the nose of the aircraft in the landing light area. An optional counter weight can be attached to the aft landing gear cross tubes and aft jacking hard point located on the bottom of the fuselage. The counter weight is utilized to maintain the center of gravity within the rotorcraft limits.



Figure 1 Side View with Camera & Counter Weight (typical)

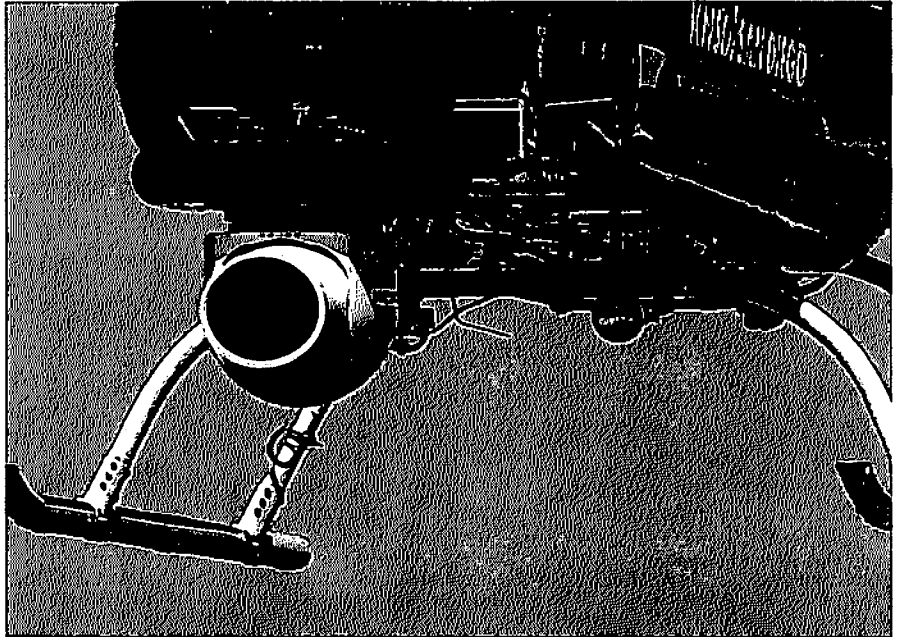


Figure 2 Front View with Camera & Landing Light (typical)

SECTION 1 LIMITATIONS

Operations

- The pilot is prohibited from operating the camera or sensor system

Weight & Size

- The camera package is limited to a maximum allowable frontal area of 3.06 sq. ft. and a weight of 130 lbs at any mounting location.

Airspeed

- Reduce published V_{NE} by 20 KIAS (23 MPH) with camera/sensor system installed.
- No airspeed reduction with the Post Mount only installed.

Placards

**Reduce the published V_{NE} by 20 KIAS (23 MPH)
with Camera/Sensor Installed**

Landing Light

- If the mounted camera obscure the landing light beam or produces reflection in the cockpit and alternate landing light sources are not installed the landing light will be considered inoperative.

NOTE

Check operational rules for landing light requirements.

SECTION 2 NORMAL PROCEDURES

Prior to the first flight each day the pilot shall visually inspect the following:

- All attachment points and hardware for security.
- Support structure for signs of stress, distortion, fatigue cracks or damage.

SECTION 2 EMERGENCY PROCEDURES

No change

SECTION 3 PERFORMANCE

- Hover performance - no change
- Climb performance – 75 ft/min reduction

SECTION 4 WEIGHT & BALANCE

The Nose Mount payload CG is:

2.0 Longitudinal
0.0 Lateral

The maximum weight of an external load on the Nose Mount is 130 pounds