

**FAA APPROVED
ROTORCRAFT FLIGHT MANUAL
SUPPLEMENT
FOR THE
BELL HELICOPTER MODEL
B-429
WHEN EQUIPPED WITH THE
AFM- NM429-1 NOSE UTILITY MOUNT**

REGISTRATION #: _____ SERIAL #: _____

The information in this supplement is FAA approved material and must be attached to the FAA Approved Bell 429 Rotorcraft Flight Manual when the rotorcraft has been modified by the installation of Airfilm AFM-NM429-1 Nose Utility Mount System in accordance with:

STC # SR02377LA

The information contained herein supplements or supersedes the information in the basic Rotorcraft Flight Manual only in those areas listed herein. For Limitations, Procedures and Performance information not contained in this Supplement, consult the basic Rotorcraft Flight Manual.

FAA APPROVED:  _____

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GENERAL INFORMATION

The mount is designed to facilitate the attachment of equipment such as searchlights, FLIR cameras, video cameras, microwave downlinks, etc. The Nose Utility attaches to the forward fuselage, overlapping existing front landing light located at FS 80.80-106.25. There are two individual and separate mounting locations, one fore and one aft on the mount.

The nose mount has cut out for the landing light to allow standard landing light operations. When payloads are installed on the forward mounting location, the light is not to be used for standard flight operations. Flight operations for which a landing light is required and a payload is installed on the forward mounting location, a light kit may need to be installed.

Searchlight/camera/sensor payloads are attached either directly or with the use of DT-1 (dovetail), QDD-1 (quick disconnect) or other factory approved adaptor hardware configurations.

The mount is approved for VFR, IFR and Category "A" operations



Figure 1. Typical Payload - Forward Mount

SECTION 1 – LIMITATIONS

OPERATION

- The camera, sensor, light package at the forward, aft or combine locations is limited to a maximum allowable frontal area of 2.25 sq. ft. and a weight of 125 lbs.

- Minimum ground clearance of installed payload = 6 inches

LANDING LIGHT

- If the mounted camera, sensor, light 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

PREFLIGHT

- External Inspection. 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 3 – EMERGENCY PROCEDURES

No change from the basic Rotorcraft Flight Manual.

SECTION 4 - PERFORMANCE

No change from the basic Rotorcraft Flight Manual.

SECTION 5 – WEIGHT & BALANCE

DESCRIPTION	STATION (in)	BL (in)
FORWARD Payload Attach Point	86.6	0.0
AFT Payload Attach Point	102.25	0.0

CAUTION

The longitudinal CG can be easily exceeded with a payload attached.

Check weight & balance with a payload attached