

**FAA APPROVED
ROTORCRAFT FLIGHT MANUAL
SUPPLEMENT**

**TO THE
Bell 212, 412, 412EP, 412CF
Agusta Bell AB412, AB412EP
HELICOPTER FLIGHT MANUAL
WHEN EQUIPPED WITH THE**

AF412NM-1 NOSE UTILITY MOUNT

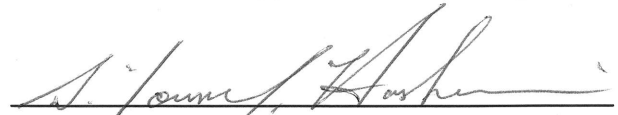
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The information in this supplement is FAA approved and must be attached to the appropriate FAA Approved Bell 212, 412, 412EP, 412CF, Agusta Bell AB412, AB412EP Rotorcraft Flight Manual when the AF412NM-1 Nose Utility Mount and payload is installed per

STC No. SR002297LA

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



Manager, Flight Test Branch, ANM-160L
Federal Aviation Administration
Los Angeles Aircraft Certification Office
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LOG OF REVISIONS

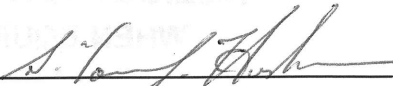
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SECTION I GENERAL

This Flight Manual Supplement is for the AF412NM-1 Utility Nose Mount. The Mount is installed on the nose of the rotorcraft.

The utility mount can accommodate various cameras, sensors, searchlight payloads.



Figure 1. Front Mount and Typical Payload Installation



Figure 2. SX-16 Installation

SECTION 2 LIMITATIONS

Weight & Size

- The payload package is limited to a maximum allowable frontal area of 2.6 sq. ft (2415 sq. cm) and a weight of 135 lbs (61.2 Kg).

Airspeed

- Reduce published V_{NE} by 15 KIAS for aircraft with payload installed.
- No airspeed reduction with the mount only installed.
- IFR flight in IMC conditions with a payload attached is prohibited
- Category A operations with a payload is prohibited

Placards

REDUCE PUBLISHED V_{NE} BY 15 KIAS
WITH PAYLOAD AND MOUNT INSTALLED.
NO AIRSPEED REDUCTION WITH MOUNT ONLY INSTALLED

Figure 3. Airspeed Placard

SECTION 3 EMERGENCY PROCEDURES

No Changes

SECTION 4 NORMAL PROCEDURES

External Inspection

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

- All attachment points for cracks or damage and hardware for security.

SECTION 5 PERFORMANCE

Hover performance not affected.

Climb performance, reduce rate of climb 100 feet per minute with payload installed.

SECTION 6 WEIGHT & BALANCE

Weight and Size Limits:

DESCRIPTION	WEIGHT	STATION (inches) (mm)	BL (inches) (mm)
Payload – Maximum Weight	135 lbs 61.2 kg	-1.0 inches -25.4 mm	0 in 0 mm

DESCRIPTION	AREA	
Payload – Projected Area	2.6 sq. feet 2415 sq. cm	