

AirFilm Camera System
Rotorcraft Supplement to
6245 Aerodrome Way
Georgetown, CA 95634

Rotorcraft Supplement to
Airbus Helicopters AS 350 & AS 355 Series
Flight manuals when modified with the
AFSP-V2 Utility Mount
STC Number SR01785LA

Supplement No. AFSP-V2-005

**FAA APPROVED
ROTORCRAFT FLIGHT MANUAL
SUPPLEMENT
TO THE
AIRBUS HELICOPTER AS 350 & AS 355
SERIES
ROTORCRAFT FLIGHT MANUAL
WHEN EQUIPPED WITH THE
AFSP-V2 UTILITY MOUNT**

REGISTRATION #: _____ SERIAL #: _____

The information in this supplement is FAA approved and must be attached to the appropriate FAA Approved Airbus Helicopters Model AS 350 & AS 355 Series Rotorcraft Flight Manual when the Airfilm Model AFSP-V2 Utility Mount is installed in accordance with:

STC No. SR01785LA

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
Transport Airplane Directorate

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SECTION I GENERAL

The Airfilm AFSP-V2 Utility Mount consists of assembled billet machined aluminum beam assembly that attach bottom of the helicopter and provides a Sensor Mount near aircraft nose. The AFSP-V2 Single Pole Utility Mount can be attached on either the right or left hand side of the helicopter.

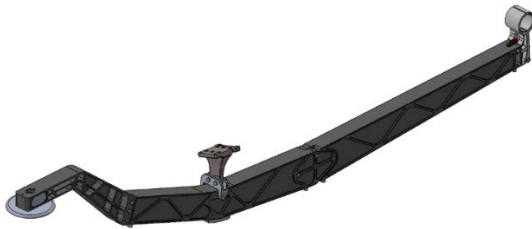


Figure 1 – AFSP-V2 Utility Mount Single Pole Configuration, Left Hand Shown



Figure 2 – AFSP-V2 Utility Mount Dual Pole Configuration, AF200 Yoke Shown for Reference

The payload may be installed and removed by the pilot when the payload uses the Airfilm “dovetail” or “QDD” mounts. This optional mount requires no tools for the installation of the payload.

SECTION 2 LIMITATIONS

Operations

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

Weight & Size

Single Pole Configuration

- The camera package is limited to a maximum allowable frontal area of 2.6 sq. ft., and a weight of 175 lbs.

Dual Pole Configuration

- The camera package is limited to a maximum allowable frontal area of 7.1 sq. ft., and a weight of 215 lbs.

Airspeed

Single Pole Configuration

- Reduce the published V_{NE} by 15 KIAS with a payload installed on the mount.
- No airspeed reduction with the AFSP-V2 Pole Mount only, T Brackets Only, or Slotted Belly Panel installed.

Dual Pole Configuration

- Reduce the published V_{NE} by 25 KIAS with a payload installed on the mount.
- No airspeed reduction with the AFSP-V2 Dual Pole Mount only, T Brackets Only, or Slotted Belly Panel installed.

Wire Skid-Slip Indicator

Whenever the dual single mount is installed on the helicopter the external wire skid-slip indicator must be stowed or removed.

Placards

Dual Pole Configuration

The pitot heat must remain **OFF** and/or the circuit breaker pulled with the auxiliary pitot tube installed.

SECTION 3 EMERGENCY

No change

SECTION 4 NORMAL PROCEDURES

EXTERIOR CHECK

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

- All mount hardware and attachment points for cracks, damage and security.
- All payloads and attachment points for damage and security.

ENGINE STARTING

Dual Pole Configuration Only

[PITOT]OFF at all times, **PITOT**

SECTION 5 PERFORMANCE

- Hover performance - no change
- Climb performance – Reduce published climb performance by 250 ft/min when payload is installed.

SECTION 6 WEIGHT & BALANCE

The AFSP-V2 Utility Mount Single Pole Weights and Stations

AFSP-V2 (SINGLE POLE) WEIGHT AND STATIONS			
FOR CAMERA / SENSOR SYSTEMS			
AS350 & AS355 ALL SERIES			
ITEM DESCRIPTION	WEIGHT	LONGITUDINAL	LATERAL
	LBS	ARM INCHES	ARM INCHES
NOSE LOCATION - LONG ARM - USE PAYLOAD WEIGHT (MAX 175 LBS)*		0.1	21.3
NOSE LOCATION - SHORT ARM - USE PAYLOAD WEIGHT (MAX 175 LBS)*		4.7	21.3
QUICK DISCONNECT DEVICE (SELECT ONE OF THE FOLLOWING)			
DT-1-1	2.4	0.1 or 4.7	21.3
QDD-1-1	5.0	0.1 or 4.7	21.3
COUNTER WEIGHT LOCATION - BOX EMPTY (PN A125) - IF INSTALLED	21.6	260.0	20.0
COUNTER WEIGHT LOCATION - (150 MAX LBS)*		260.0	20.0
*USE ACTUAL WEIGHT OF INSTALLED EQUIPMENT			

The AFSP-V2 Utility Mount Dual Pole Weights and Stations

AFSP-V2 (DUAL POLE) WEIGHT AND STATIONS			
FOR CAMERA / SENSOR SYSTEMS			
AS350 & AS355 ALL SERIES			
ITEM DESCRIPTION	WEIGHT	LONGITUDINAL	LATERAL
	LBS	ARM INCHES	ARM INCHES
NOSE LOCATION - USE PAYLOAD WEIGHT (MAX 215 LBS)*		-16.7	0.0
QUICK DISCONNECT DEVICE (SELECT ONE OF THE FOLLOWING)			
DT-1-1	2.4	0.1 or 4.7	0.0
QDD-1-1	5.0	0.1 or 4.7	0.0
COUNTER WEIGHT LOCATION - BOX EMPTY (PN A125) - IF INSTALLED	21.6	260.0	20.0
COUNTER WEIGHT LOCATION - (150 MAX LBS)*		260.0	20.0
*USE ACTUAL WEIGHT OF INSTALLED EQUIPMENT			