DOCUMENT AF-G1-008

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

AIRFILM CAMERA SYSTEM S

G1-1 UTILITY BRACKET

FOR

BELL AIRCRAFT 206 A, B & L AIRCRAFT

STC No. _____



AIRFILM CAMERA SYSTEMS
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GEORGETOWN, CA

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RECORD OF REVISIONS

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1.0 GENERAL

1.1 INTRODUCTION

This manual presents the Instructions for Continued Airworthiness (ICA) for the installation of the Airfilm Camera Systems model G1-1 Universal Mount. This mount is to be installed on the BELL aircraft model 206 A, B, and L helicopters. The G1-1 Universal Mount consists of a aluminum structure with machined fittings. The mount is designed to facilitate the attachment of equipment such as video cameras or searchlights. The cover page of this document shows the typical mount installation with a camera installation.

The G1- mount attaches to the aircraft located on centerline at the landing / taxi light location

1.2 PURPOSE

The purpose of this document is to provide Instructions for Continued Airworthiness to inspect the Airfilm Camera Systems Model G1-1 Universal Mount.

1.3 SCOPE

The scope of this document is limited to information, procedures, requirements and limitations for this Supplemental Type Certificate. When a requirement specified in the appendix to the regulations is not applicable to this Supplemental Type Certificate the requirement will not be included in the Instructions for Continued Airworthiness.

1.4 APPLICABILITY

These Instructions for Continued Airworthiness are applicable to the Airfilm Camera Systems G1-1 Universal Mount installed on the Bell Aircarft A, B, & L.

1.5 DOCUMENT CHANGE CONTROL

Changes to this document will be distributed to registered owners of the G1-1 Universal Mount within 10 days after the revision is approved. Changes to this document will be indicated by a revision number in the footer, vertical lines adjacent to the change, and in the Record of Revisions.

2.0 AIRWORTHINESS LIMITATIONS

NONE

3.0 INSPECTION REQUIREMENTS



G1-1 UTILITY BRACKET MOUNT ASSY



G2-1 COUNTERWEIGHT ASSY (OPTIONAL)

3.1 SCHEDULED INSPECTIONS

The scheduled inspections required by this ICA are contained on the following checklists. This checklist, when completed, is to become a permanent part of the G1-1 Universal Mount records.

NOTE: There are no field repairs or overhaul allowed for the G1-1 Universal mount.

If the mount fails the following inspections, the mount is to be removed from the helicopter and returned to Airfilm Camera Systems.

3.1.1 100 HOUR INSPECTION INTERVALS

The 100 hour time in service inspections consist of visually inspecting the critical area of the G1-1 Universal Mount installation.

Due to the simplicity of the mount structure, all scheduled 100 hour inspections consist of the same items since the mount is inspected while installed on the helicopter.

The inspections per Table 3.1.1 are required while the G1-1 Universal Mount is installed on the helicopter at the time in service interval as specified. The inspection is to be performed by maintenance personnel.

3.1.1 100 HOUR INSPECTION INTERVALS

TABLE 3.1.1 100 HOUR TIME IN SERVICE INSPECTIONS ON HELICOPTER

Inspect. Interval Hours	Inspection	Maintenance Personnel Initial
100	Visually inspect aluminum brackets for cracks, nicks or deep scratches	
|	Visually inspect hardware for cracks, dents, deep scratches or damage	

3.2 1000 HOUR TIME IN SERVICE INSPECTION INTERVAL

The 1000 hour time in service inspection is to be performed every 1000 hours time in service. The mount must be removed from the helicopter and disassembled per Section 4.0.

TABLE 3.2.1 FITTING INSPECTIONS

Inspect. Interval Hours	Inspection	Maintenance Personnel Initial
1000	Visually inspect bolt holes for damage	
|	Visually inspect brackets for cracks, nicks or deep scratches	

TABLE 3.2.2 TUBE INSPECTIONS

Inspect. Interval Hours	Inspection	Maintenance Personnel Initial
1000	Visually inspect tubes for cracks	
|	Visually inspect bolt holes for signs of cracks, elongation or damage.	
|	Visually inspect tubes for dents, deep scratches, or cracks.	
|	Visually inspect threads for signs of damage	

3.3 INSPECTION LIMITS

The G1-1 Universal Mount is to be removed from service and returned to Airfilm Camera Systems if the following inspection limits are exceeded.

Cracks:	Any indication
Bolt hole elongation	Any Indication
Dents, scratches or nicks	Greater than 0.010 inches
Tube Dents:	Greater than 0.020 inches
Tube scratches:	Greater than 0.010 inches

4.0 REMOVAL, DISASSEMBLY, REASSEMBLY AND INSTALLATION

For latest update refer to the Airfilm Camera systems Installation Instructions AF-G1-006

5.0 WEIGHT AND BALANCE

The weight and balance location for the G1-1 Universal Mount is:

G1-1 NOSE MOUNT BRACKET ASSY
LONGITUDINAL:

G1-1 Bracket Assy = 7.2 lbs @ station 1.5
Camera or Sensor (USE Actual weight 125LBS MAX.) @ station – 4.

G2-1 COUNTER WEIGHT ASSY (OPTIONAL)
LONGITUDINAL:

G2-1 Counter Weight Assy = 42.5 lbs @ station 225