



14218 Aetna St.
Van Nuys, CA. 91401
Supplement No. ROB-RFM-001

**FAA/EASA APPROVED
ROTORCRAFT FLIGHT MANUAL
SUPPLEMENT**

for the installation of the

TYLER ROB-001 UNIVERSAL MOUNTS

to the

ROBINSON R-44 & R-44 II HELICOPTER

This supplement must be attached to the FAA approved Robinson R-44 or R-44 II Pilot's Operating Handbook & Rotorcraft Flight Manual when the rotorcraft is modified by the installation of **Tyler ROB-001 Universal Mount** listed above in accordance with

**STC # SR01272LA
EASA IM.R.S.01298**

The information contained herein supplements or supersedes the basic manual only in those areas listed herein. For limitations, procedures, and performance information not contained in this supplement, consult the appropriate basic Airplane Flight Manual.

Approved By: *Hieu Tong, Acting*

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

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TYLER CAMERA MOUNT SYSTEMS

FOR ROBINSON R-44 HELICOPTER

LOG OF PAGES

REV	PAGE NO.	PAGE DATE	DESCRIP-TION	FAA APPROVED
Original	Cover 1-3	15 May 2002	Initial Issue	<p><i>Joe A. Brownlee,</i> <i>acting</i></p> <p>Mgr., Flight Test Branch. ANM-160L Los Angeles Aircraft Cert Office FAA Transport Airplane Directorate</p> <p>Date: <u>5/15/2002</u></p>




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A	Cover ii & iii 1-3	29 Dec 2004	Added R 44 II to cover and all headers	<div style="text-align: right; font-family: cursive; font-size: 1.2em; margin-bottom: 5px;">  </div> <hr style="border: 0.5px solid black;"/> <p style="margin: 0;">Mgr., Flight Test Branch. ANM-160L Los Angeles Aircraft Cert Office FAA Transport Airplane Directorate</p> <p style="margin: 0;">Date: <u>December 29, 2004</u></p>



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REV	PG NO.	PG Date	DESCRIPTION	FAA APPROVED
B	Cvr ii & iii 1-3	28 Nov 2007	Added EASA STC Number to cover and all headers	<i>Hien Tong</i>
	1		Expanded description	<i>Acting</i>
			Added caption (Typical)	Mgr., Flight Test Branch. ANM-160L Los Angeles Aircraft Cert Office
	1		Updated Tyler Installation Manual & refer to install manual for cameras	FAA Transport Airplane Directorate Date: <i>Nov 28, 2007</i>
	2		Added kgs and cms	
	2		Added limitation as to cameras flown and additional approvals needed	
	3		Requirements for installation by crew	



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I. General

The ROB-001 Universal Mount consists of a steel tube structure attached to helicopter at the landing gear cross tube by two longitudinal tubes and the two lateral tubes which can be rigged on either the left or right side of the aircraft.



Figure 1. Camera Mount with a FLIR Ultra Media II (Typical Camera Installation)

Use the **Tyler Installation Manual, R44 INST-001 Rev B** dated 11/28/07 or later dated manual to install the **TYLER ROB-001 UNIVERSAL MOUNT** on the helicopter.



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The information to compute the weight and balance for the particular camera to be installed can be found in the **Tyler Installation Manual** and are not listed in the limitation section.

II. Limitations

1. VNE = 115 KIAS or placard speeds, which ever is lower, when the **Universal Mount** is installed.
2. The camera package is limited to a maximum allowable frontal area size and weight as follows:

	Size (sq. ft.)	Weight (lbs/kgs)	Attaching Point Fus. Stn (in/cm)
Ball	2.0	120 / 54.4	96.6 / 245.36 long, ±44.2 / 112.26 lat

3. The Installation Manual lists the "cameras or sensors" that have been flown on the helicopter. Other cameras or sensors not listed may require a minor change approval based on national requirements.

III. Emergency Procedures

No change

IV. Normal Procedures



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1. Check mount and attachment for condition and security.
2. Check electrical cords and connections for security.
3. Any mount system may be installed or removed by a *Tyler Camera Systems* trained technician, pilot or mechanic, and must be recorded in accordance with FAR 43.9. The training would be in accordance with EASA/JAR 145 or by an appropriate maintenance organization in accordance with applicable national requirements.

V. Performance Data

1. Hover performance not affected.
2. Reduce climb performance by 150 feet per minute with the mount and attachment installed.