

BHT-206B-FMS-22

**BELL MODEL 206B
JET RANGER II
FLIGHT MANUAL
SUPPLEMENT FOR
LOUDHAILER**

**FAA APPROVED
June 21, 1974**

This supplement shall be attached to the Flight Manual, when the Loudhailer Kit has been installed.

The information contained herein supplements the information of the basic Flight Manual. For Limitations, Procedures, and Performance Data not contained in this supplement, consult the basic Flight Manual.

Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

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INTRODUCTION

The LOUDHAILER when installed in accordance with Bell Drawing No. 206-899-415 or STC No. SH 1683SW will permit the helicopter crew to direct ground personnel while remaining airborne. The kit contains two speakers, amplifier, power light, switches, microphone and the necessary hardware to complete the installation.

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Section 1

OPERATING LIMITATIONS

AIRSPPEED LIMITATIONS

3000 POUNDS GROSS WEIGHT AND BELOW

Vne 140 MPH (122 knots) sea level to 5000 feet. Decrease Vne 4.0 MPH (3.5 knots) per 1000 feet above 5000 feet. Maximum altitude 20,000 feet.

ABOVE 3000 POUNDS GROSS WEIGHT

No change from basic helicopter limitations for these gross weights.

ELECTRICAL LOADING LIMITATIONS

All electrical equipment being operated shall not result in a loadmeter reading in excess of 0.7 electrical loading.

PLACARD

With LOUDHAILER SPEAKERS INSTALLED the Vne is 140 MPH (122 knots).

CENTER OF GRAVITY LIMITS

Actual weight change shall be determined after equipment is installed and ballast readjusted, if necessary, to return empty weight C.G. to within allowable limits.

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TYPE OF OPERATION

The helicopter must be equipped with the 206-706-010 High-Skid Landing Gear, 206-706-010 High-Skid Gear with Emergency Flotation or the 206-706-031 Hi-Skid Landing Gear-Tubular Type when the LOUDHAILER equipment is installed.

The LOUDHAILER is approved for installation in the helicopter for use in directing ground personnel while the helicopter remains airborne. The LOUDHAILER is also approved for installation in conjunction with the NIGHT SUN SEARCHLIGHT.

The LOUDHAILER configuration of the helicopter permits its use as a five place aircraft limited to DAY or NIGHT VFR non-icing conditions.

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Section 2

OPERATING PROCEDURES

NORMAL PROCEDURES

LOUDHAILER SYSTEM — GROUND FUNCTIONAL CHECK

AMPLIFIER CHECK

Battery Switch - ON.

Circuit Breaker - Check IN.

Power Light - PRESS, LIGHT - ON, RELEASE, LIGHT - OUT.

Power Switch - ON and power indicator light ON.

Power Switch - OFF/REMOTE position.

Gain Control Switch - ROTATE to 4-REM position.

REMOTE CONTROL FUNCTIONAL CHECK

Gain Control Switch - OFF position.

Power Switch - ON, indicator light ON.

Microphone - Speak into mike and slowly rotate gain control until output meter indicator is in approximately midposition. (This will be the gain setting for in-flight use.)

Power Switch - OFF.

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IN-FLIGHT LOUDHAILER OPERATION

Remote Control Power Switch - ON, light ON.

Microphone - Speak into mike (adjust gain if required).

Remote Control Power Switch - OFF to deactivate system.

Section 3

PERFORMANCE DATA

No change from basic Flight Manual.