

BHT-206B-FMS-25

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

206-706-330

**AUXILIARY BATTERY
13 AMP HOUR WITH
BATTERY SELECT SWITCH**

**FAA APPROVED
October 11, 1977**

This supplement shall be attached to the Flight Manual, when the 206-706-330, Auxiliary Battery — 13 AMP Hour with Battery Select Switch 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**

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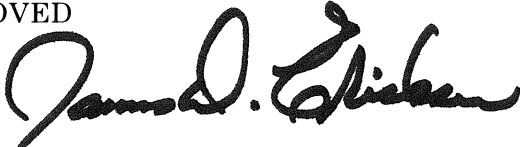
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INTRODUCTION

The Auxiliary Battery Kit with Battery Selection Switch No. 206-706-330, consists of a 13 amp hour battery, sensors, warning lights, select switch, battery disconnect, channel, bushing, stiffener, cables, tubes, brackets, and attaching hardware.

Section 1

OPERATING LIMITATIONS

CENTER OF GRAVITY LIMITS

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

LOADING LIMITATIONS

Maximum baggage loading is 220 pounds (99.8 kilograms) when Auxiliary Battery Kit is installed.

PLACARDS

**REDUCE ALLOWABLE WEIGHT IN
BAGGAGE COMPARTMENT BY 30 LBS
WHEN AUXILIARY BATTERY IS INSTALLED**

(Located on the inboard side of the baggage compartment door.)

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Section 2

OPERATING PROCEDURES

NORMAL PROCEDURES

EXTERIOR INSPECTION

5. FUSELAGE — AFT LEFT SIDE.

Baggage compartment — Cargo tied down — AUX BATTERY secure — Door secure.

ENGINE PRE-START CHECK

After generator switch — OFF, add:

Battery select switch — BOTH.

Battery switch — ON (OFF if external power used). Observe ENGINE OUT light ON and audio signal operative.

ENGINE STARTING

After generator switch — ON, add:



CAUTION

If loadmeter is not within the normal operating range (below 70%) within two (2) minutes after start, proceed as follows:

Battery select switch — FWD position.

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ENGINE STARTING (Cont)

Loadmeter — Below 70%, continue flight on FWD battery.

If not below 70% on loadmeter, then

Battery select switch — AFT position.

Loadmeter — Below 70%, continue flight on AFT battery.

If not below 70% on loadmeter, abort mission and investigate cause.

Loadmeter — Below 70%, after two minutes.

EMERGENCY PROCEDURES

CAUTION SYSTEM

WARNING LIGHT

AUX BATTERY
HOT
or
BATTERY HOT

FAULT AND REMEDY

Battery case temperature has reached 140°F (60.0°C) or higher. Isolate malfunctioning battery with battery select switch. Land as soon as possible. After landing, do not use affected battery for engine restart, as this will cause additional battery heating. Service or replace battery and check battery relay prior to re-use.

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CAUTION SYSTEM (Cont)WARNING LIGHTAUX BATTERY
TEMP
or
BATTERY TEMPFAULT AND REMEDY

Battery case temperature has reached 130°F (54.5°C) or higher. Isolate malfunctioning battery with battery select switch. Service or replace battery prior to re-use.

NOTE

Frequent and repetitive BATTERY TEMP indications may be indicative of a marginal battery condition. It is recommended that if this occurs the battery should be removed and inspected in accordance with manufacturer's recommendation at the first convenient opportunity.

Section 3

PERFORMANCE DATA

No change from basic Flight Manual.

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Section 4

WEIGHT AND BALANCE DATA

BAGGAGE COMPARTMENT LOADING

Reduce the maximum allowable weight in the baggage compartment by 30 pounds (13.6 kilograms) when the Auxiliary Battery Kit is installed.

