

**BELL MODEL 206B
JET RANGER II
FLIGHT MANUAL
SUPPLEMENT FOR
BATTERY TEMPERATURE
SENSING AND
WARNING SYSTEM
(BHT INSTALLED ON HELICOPTERS
SERIAL NOS. 1164
AND SUBSEQUENT.)**

**FAA APPROVED
September 28, 1973**

This supplement shall be attached to the Flight Manual, when the Battery Temperature Sensing and Warning System 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**

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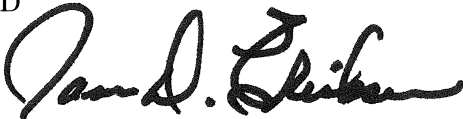
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INTRODUCTION

The Bell installed Battery Temperature Sensing and Over-Temperature Warning System consists of two battery temperature sensors, mounted to contact the battery case, two indicator lights and the necessary wiring and hardware to complete the installation. When the Auxiliary Battery kit is installed a second system is used to provide a sensing and warning system for the second battery.

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Section 1

OPERATING LIMITATIONS

BATTERY TEMPERATURE LIMITS

BATTERY case TEMPerature (amber) light ON at 130°F (54.4°C).
(Internal temperature 145°F (62.8°C).)

BATTERY case HOT (red) light ON at 140°F (60.0°C). (Internal
temperature 155°F (68.3°C).)

WARNING

If BATTERY HOT light illuminates, the battery shall be removed, bench checked and serviced in accordance with manufacturer's instructions, prior to the battery's return to service.

CENTER OF GRAVITY LIMITS

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

TYPE OF OPERATION

Basic configuration of the helicopter incorporates a battery temperature sensing and over-temperature warning system, and is installed on helicopters Serial Nos. 1164 and subsequent.

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Section 2

OPERATING PROCEDURES

NORMAL PROCEDURES

EXTERIOR INSPECTION

It is recommended that Auxiliary Power be used for starting, to prevent battery heating.

EMERGENCY PROCEDURES

CAUTION SYSTEM

WARNING LIGHTS

BATTERY TEMP
(amber light).
Installed on helicopters S/N 1164 and subsequent.

FAULT AND REMEDY

Battery case temperature has reached 130°F (54.4°C) or higher. Move battery switch to OFF until battery cools (light extinguishes), then battery switch ON.

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 recommendations at the first convenient opportunity.

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CAUTION SYSTEM (Cont)

WARNING LIGHTS

BATTERY HOT
(red light).
Installed on
helicopters
S/N 1164 and
subsequent.

FAULT AND REMEDY

Battery case temperature has reached 140°F (60.0°C) or higher. LAND AS SOON AS POSSIBLE. After landing DO NOT USE HELICOPTER BATTERY for an engine restart, as this will cause additional battery heating. Service or replace battery and check battery relay before resuming flight.

Section 3

PERFORMANCE DATA

No change from basic Flight Manual.

