

**BHT-206B-FMS-7**

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

**206-706-106**

**CABIN HEATER**

**FAA APPROVED  
JULY 30, 1971**

This supplement shall be attached to the Flight Manual, when the 206-706-106 Cabin Heater 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 Bell Cabin Heater Kit, No. 206-706-106, consists of a combustion heater, blower, ducts, fuel system, electrical system, adjustable valves, and heater controls. The heater has a rated capacity of 30000 BTU output, and is designed to operate while the helicopter is on the ground or airborne.

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# ***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.

# ***Section 2***

## ***OPERATING PROCEDURES***

### **NORMAL PROCEDURES**

#### **HEATER PRE-START CHECK**

FUEL BOOST circuit breakers — IN.  
FUEL VALVE circuit breaker — IN.  
HTR PWR circuit breaker — IN.  
HTR CONT circuit breaker — IN.  
FIREWALL SHUT OFF RELEASE PULL knob — IN.  
BAT switch — ON.  
FUEL VALVE switch — ON.  
HEATER FAIL light. (Light is press-to-test type.)

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**HEATER START AND OPERATION**

HEAT-VENT switch — HEAT.

(Combustion air blowers should operate and HEATER FAIL light should be ON.)

**NOTE**

Heater ignition difficulty may be experienced at  $-20^{\circ}\text{F}$  ( $-29^{\circ}\text{C}$ ) and below when using ASTM Type A or A-1 (JP-5) fuel.

HTR START button switch — PRESS and HOLD. (Ignition should occur within 5 seconds and not more than 10 seconds.)

**NOTE**

HEATER FAIL light should go OUT when heater ignites.

Regulate TEMP CONT knob for desired temperature.

Place HEAT-VENT switch in OFF position, to shut down heater.

**NOTE**

With HEAT-VENT switch in OFF position, the combustion air blower will continue to operate, cooling and purging the heater, and cutting off automatically when the heater has cooled. If accelerated cooling and purging is desired place switch in VENT position, then return switch to OFF.

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## HEATER MALFUNCTION

A malfunction in the heater or heater unit controls will cause the heater to become inoperative and result in illumination of the HEATER FAIL light. If the malfunction occurs, proceed as follows:

FIREWALL SHUT OFF RELEASE PULL knob — OUT.

HEAT-VENT switch — OFF.

HTR PWR circuit breaker — OUT.

HTR CONT circuit breaker — OUT.

# ***Section 3***

## ***PERFORMANCE DATA***

No change from basic Flight Manual.

