

BHT-206B-FMS-11

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

206-706-031

**HI-SKID LANDING GEAR  
TUBULAR TYPE**

**FAA APPROVED  
JULY 30, 1971**

This supplement shall be attached to the Flight Manual, when the 206-706-031 Hi-Skid Landing Gear — Tubular Type 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.

POST OFFICE BOX 482 • FORT WORTH, TEXAS 76101

**30 JULY 1971**

**REVISION 2 — 24 OCTOBER 1985**

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## INTRODUCTION

The Bell Hi-Skid Landing Gear, No. 206-706-031, when installed will provide an approximate 13 additional inches (33 centimeters) of ground clearance which will permit landings to be accomplished in rough terrain areas. The kit consists of fore and aft cross tubes, skid tubes, four fuselage mounted cabin steps and the necessary hardware to complete the installation.

# ***Section 1***

## ***OPERATING LIMITATIONS***

### **TYPE OF OPERATION**

Flight operations are prohibited with the rear passenger steps installed when the helicopter is equipped with the combination of the External Cargo Hook Kit, No. 206-706-101, and the Hi-Skid Landing Gear.

Flight operations are prohibited with the left rear passenger step installed when the helicopter is equipped with the combination of the External Hoist Kit, No. 206-706-124, and the Hi-Skid Landing Gear.

The four steps, installed as part of the Hi-Skid Landing Gear Kit, are not approved for use with any other type of landing gear.

### **CENTER OF GRAVITY LIMITS**

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

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# ***Section 2***

## ***OPERATING PROCEDURES***

### **NORMAL PROCEDURES**

#### **LANDING TOUCHDOWN**

Tail low run-on landings should be avoided to prevent nose-down pitching.

#### **WARNING**

Run-on landings on other than a hard firm surface should be exercised with caution.

# ***Section 3***

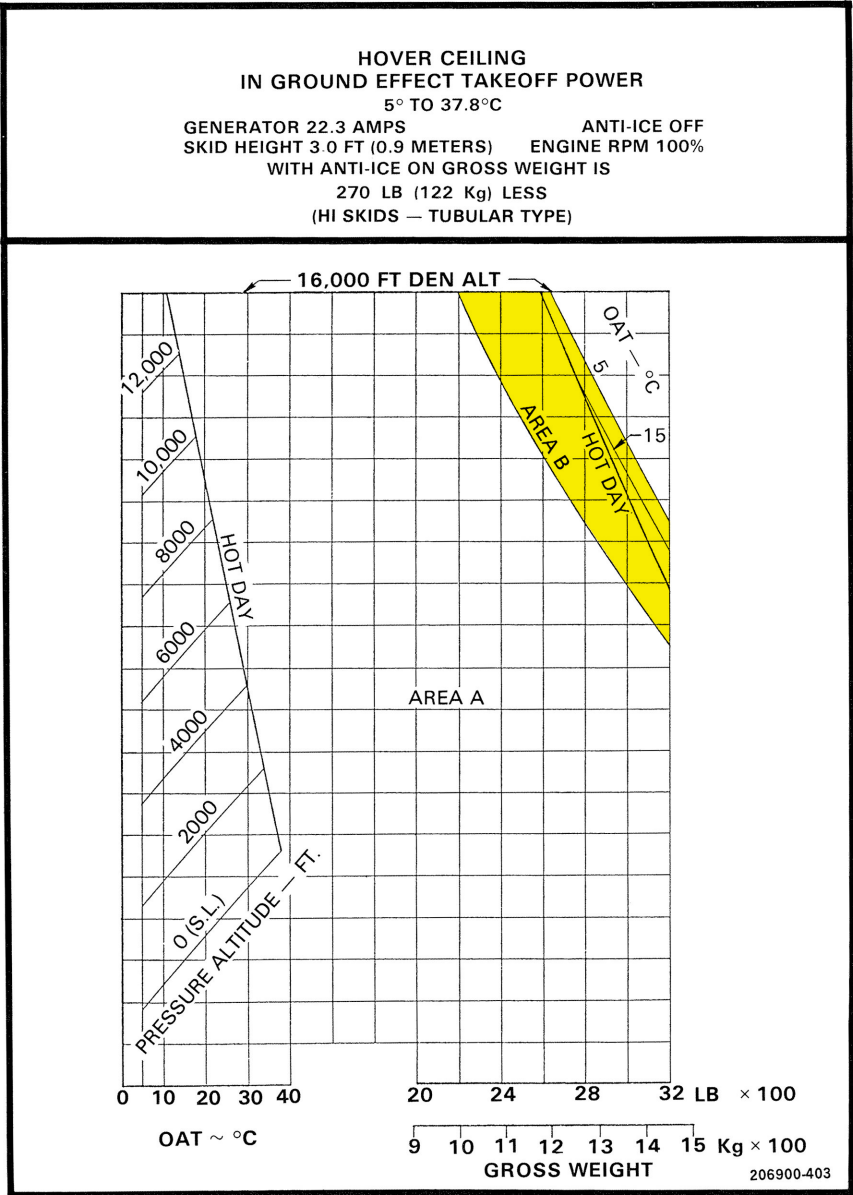
## ***PERFORMANCE DATA***

Refer to Particle Separator Supplement when the particle separator is installed.

OUT OF GROUND EFFECT hovering performance is the same as the basic helicopter.

IN GROUND EFFECT hovering performance is shown on the following performance charts.

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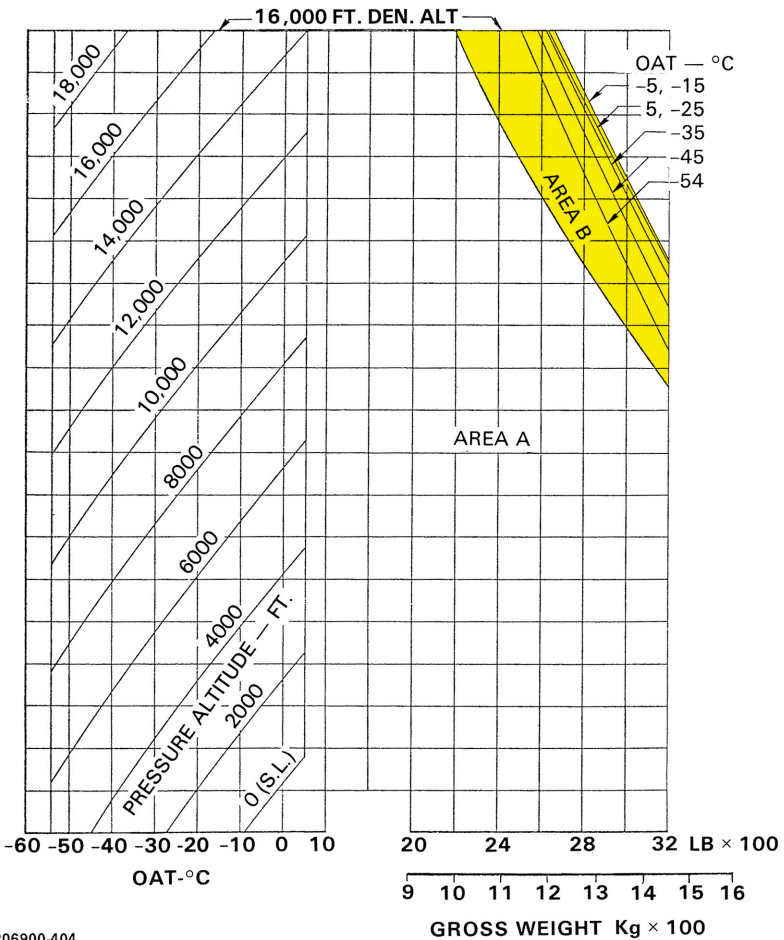


**HOVER CEILING  
IN GROUND EFFECT TAKEOFF POWER  
5° TO -54°C**

GENERATOR 22.3 AMPS  
SKID HEIGHT 3.0 FT (0.6 METERS)

ANTI-ICE OFF  
ENGINE RPM 100%

WITH ANTI-ICE ON GROSS WEIGHT IS 270 LB (122 Kg) LESS  
(HI SKIDS — TUBULAR TYPE)

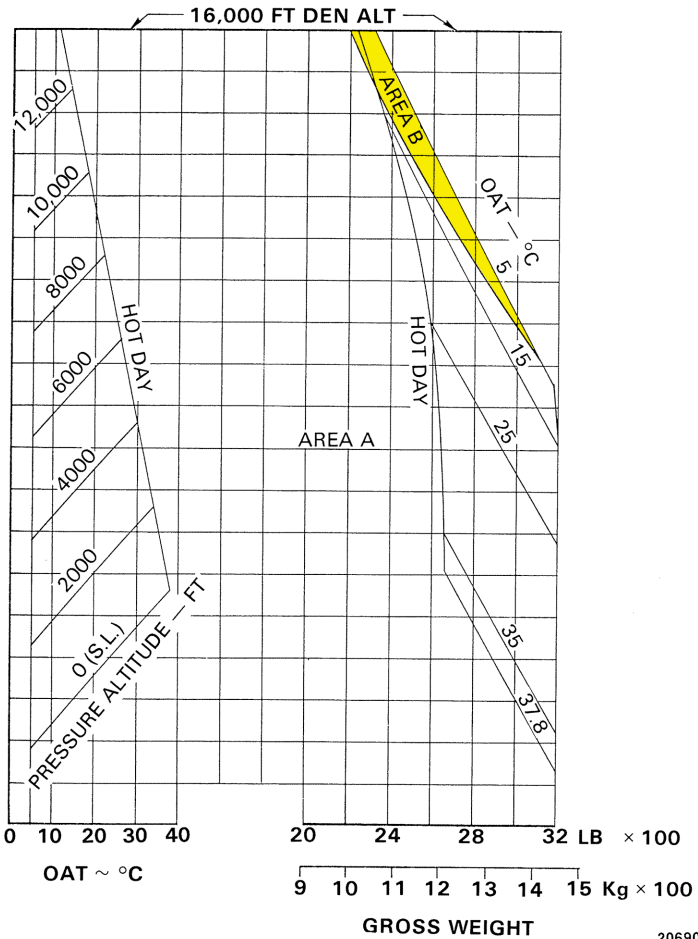


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**HOVER CEILING**  
**IN GROUND EFFECT MAX CONTINUOUS POWER**  
5° TO 37.8°C

GENERATOR 22.3 AMPS  
ANTI-ICE OFF  
FLOAT HEIGHT 3.0 FT (0.9 METERS) ENGINE RPM 100%  
WITH ANTI-ICE ON GROSS WEIGHT IS  
350 LBS (159 (Kg) LESS  
(HI SKIDS — TUBULAR TYPE)



206900-405

**HOVER CEILING  
IN GROUND EFFECT MAX CONTINUOUS POWER  
5° TO -54°C**

GENERATOR 22.3 AMPS  
SKID HEIGHT 3 FT. (0.9 METERS)  
WITH ANTI-ICE ON GROSS WEIGHT IS 350 LB (159 Kg) LESS  
(HI SKIDS — TUBULAR TYPE)

ANTI-ICE OFF  
ENGINE RPM 100%

