


**FAA APPROVED  
R44 PILOT'S OPERATING HANDBOOK  
CANADIAN SUPPLEMENT**

This supplement must be included in the FAA-approved Robinson R44 Pilot's Operating Handbook for Canadian-registered aircraft.

The information contained herein supplements or supersedes the basic manual only in those areas listed in this supplement. For limitations, procedures, and performance information not contained in this supplement, consult the basic R44 Pilot's Operating Handbook.

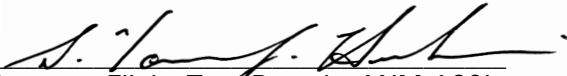
This supplement is approved by the United States Federal Aviation Administration on behalf of Transport Canada.

APPROVED BY:   
Manager, Flight Test Branch, ANM-160L  
Federal Aviation Administration, LAACO  
Transport Airplane Directorate

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APPROVED BY:   
Manager, Flight Test Branch, ANM-160L  
Federal Aviation Administration, LAACO  
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## **LIMITATIONS**

Ambient temperature limits for operation are  $-40^{\circ}\text{C}$  to  $+39^{\circ}\text{C}$ .

At temperatures below  $-5^{\circ}\text{C}$ , the Cold Weather Procedures given below must be followed.

## **COLD WEATHER PROCEDURES**

Special precautions should be taken if the helicopter is to be started after a cold soak in ambient temperatures below  $-5^{\circ}\text{C}$ . Ensure that the correct engine oil grade is used (Refer to Section 8 in the main body of this manual). Preheat the engine oil, engine compartment and main rotor gearbox compartment to a minimum temperature of approximately  $-5^{\circ}\text{C}$ . (Pilot judgment may be used to estimate this temperature.) Preheating may be achieved by using a combination of an approved electric engine preheat system, portable heaters, and insulating covers. Use caution not to damage any equipment/wiring with excessive direct heat.

### ***CAUTION***

Failure to preheat engine before starting may result in internal engine damage.

When landing at ambient temperatures below  $-5^{\circ}\text{C}$  in areas without preheating equipment, start the helicopter hourly and run-up to normal operating temperatures. More frequent starts may be required at colder temperatures. Be sure to run the helicopter long enough to recharge the battery after each start.

Using carburetor heat is recommended to assist in engine warming.

**PLACARDS**

Near main fuel tank filler cap on tanks with capacity marked in gallons:

USABLE CAP. 116 LITRES

Near aux fuel tank filler cap on tanks with capacity marked in gallons:

USABLE CAP. 69 LITRES

***NOTE***

Fuel tanks with bladders do not have a capacity marking. See Limitations section in basic manual for fuel capacities of tanks with and without bladders.

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