


**FAA APPROVED
R44 CADET PILOT'S OPERATING HANDBOOK**

CANADIAN SUPPLEMENT

This supplement must be included in the FAA-approved 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 Pilot's Operating Handbook.

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

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LOG OF PAGES

Page No.	Date
1	29 Apr 16
2	29 Apr 16

LIMITATIONS

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

At temperatures below -5°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°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°C . (Pilot judgement 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°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.