

WPR22FA151

OPERATIONAL FACTORS

Specialist's Factual Report - Attachment 8

Cessna MODEL 208B G1000 Pilot Operating Handbook (Excerpts)

July 23, 2022

INTRODUCTION

Section 4 provides checklist and amplified procedures for the conduct of normal operation. Normal procedures associated with optional systems can be found in Section 9.

WARNING

There is no substitute for proper and complete preflight planning habits and their continual review in minimizing emergencies. Become knowledgeable of hazards and conditions which represent potential dangers, and be aware of the capabilities and limitations of the airplane.

AIRSPEEDS FOR NORMAL OPERATION

Unless otherwise noted, the following speeds are based on a maximum weight of 8750 pounds for takeoff and 8500 pounds for landing and may be used for any lesser weight. However, to achieve the performance specified in Section 5 for takeoff distance, climb performance, and landing distance, the speed appropriate to the particular weight must be used.

TAKEOFF:

Normal Climb, Flaps 20° 85-95 KIAS
Short Field Takeoff, Flaps 20°, Speed at 50 Feet 83 KIAS
Type II, Type III or Type IV Anti-ice Fluid Takeoff (Flaps UP) 83 KIAS

ENROUTE CLIMB, FLAPS UP:

Cruise Climb 110-120 KIAS
Best Rate of Climb, Sea Level to 10,000 Feet 104 KIAS
Best Rate of Climb, 20,000 Feet 87 KIAS
Best Angle of Climb, Sea Level to 20,000 Feet 72 KIAS

LANDING APPROACH:

Normal Approach, Flaps UP 100-115 KIAS
Normal Approach, Flaps FULL 75-85 KIAS
Short Field Approach, Flaps FULL 78 KIAS

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AIRSPEEDS FOR NORMAL OPERATION (Continued)

BALKED LANDING:

Takeoff Power, Flaps 20° 80 KIAS

**MAXIMUM RECOMMENDED TURBULENT AIR
PENETRATION SPEED:**

8750 Pounds	148 KIAS
7500 Pounds	137 KIAS
6250 Pounds	125 KIAS
5000 Pounds	112 KIAS

MAXIMUM DEMONSTRATED CROSSWIND VELOCITY:

Takeoff or Landing 20 KNOTS

CRUISE

1. Ice Protection (if installed) **AS REQUIRED**
 - a. PITOT/STATIC HEAT . **ON** (when OAT is below 5°C (41°F))
 - b. STALL HEAT **ON** (when OAT is below 5°C (41°F))
 - c. PROP HEAT **ON** (when OAT is below 5°C (41°F))
2. INERTIAL SEPARATOR **SET**
3. PROP RPM Lever **1600 to 1900 RPM**
4. POWER Lever **SET**
(observe Maximum Cruise ITT and N_g limits)
Refer to Cruise Performance and/or Cruise Maximum Torque charts in Section 5.
5. Fuel Balance **CHECK**
(maximum 200 pounds imbalance)

NOTE

Engine operations which exceed 740°C ITT can reduce engine life.

CAUTION

For every 10° below -30°C ambient temperature, reduce maximum allowable N_g by 2.2%.

DESCENT

1. Ice Protection (if installed) **AS REQUIRED**
 - a. PITOT/STATIC HEAT . **ON** (when OAT is below 5°C (41°F))
 - b. STALL HEAT **ON** (when OAT is below 5°C (41°F))
 - c. PROP HEAT **ON** (when OAT is below 5°C (41°F))
2. INERTIAL SEPARATOR **SET**
3. NO SMOKE/SEAT BELT SIGN Switches (if installed). **ON**
4. Altimeters **SET**
5. NAV Source **SELECT**

NOTE

The overspeed warning horn and MAXSPD annunciation will activate when either PFD1 or PFD2 airspeed reaches greater than 175 KIAS. In addition, the overspeed warning horn and MAXSPD annunciation may appear prior to 175 KIAS if the aircraft is accelerating at a rate that will rapidly exceed V_{MO} .

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DESCENT (Continued)

CAUTION

Set PROP RPM Lever at 1900 RPM prior to beginning any instrument approach procedure.

6. POWER Lever **AS REQUIRED**

BEFORE LANDING

NOTE

Refer to Landing Distance chart in Section 5 for anticipated ground roll and total distance requirements.

1. Seats, Seat Belts, Shoulder Harnesses **SECURE**

WARNING

Failure to correctly use seat belts and shoulder harnesses could result in serious or fatal injury in the event of an accident.

2. FUEL TANK SELECTORS **BOTH ON**
3. FUEL CONDITION Lever **HIGH IDLE**
4. PROP RPM Lever **MAX** (full forward)
5. Radar **STANDBY**
6. AP/YD **OFF**
(before 200 feet AGL on approach or 800 feet AGL)
7. WING FLAPS Handle **SET**

LANDING

NORMAL LANDING

1. WING FLAPS Handle **FULL**
2. Airspeed **75-85 KIAS**
3. Touchdown **MAIN WHEELS FIRST**
4. POWER Lever **BETA RANGE AFTER TOUCHDOWN**
5. Brakes **APPLY**