



# CESSNA C208

## NORMAL CHECKLIST

### BEFORE ENGINE START

Preflight Inspection ..... **COMPLETE**  
 Parking Brake ..... **SET**  
 Switches ..... **OFF**  
 Ignition Switch ..... **NORM**  
 Fuel Tank Selectors ..... **BOTH ON**  
 Bleed Air Heat Switch ..... **OFF** (down)  
 Power Lever ..... **IDLE**  
 Prop RPM Lever ..... **MAX** (full forward)  
 Fuel Condition Lever ..... **CUTOFF**  
 Full Shutoff Knob ..... **ON** (push in)  
 Battery Switch ..... **ON**  
 Wing Flaps Handle ..... **UP**  
 No Smoke/Seat belt Switches ..... **AS REQUIRED**

### ENGINE START (BATTERY)

Battery Switch ..... **ON**  
 Beacon Light Switch ..... **ON**  
 Avionics No. 1 Switch ..... **ON**  
 EIS ..... **CHECK PARAMETERS** (verify no red X's)  
 Bus Volts ..... **CHECK** (24 volts minimum)  
 Propeller Area ..... **CLEAR**  
 Fuel Boost Switch ..... **ON**  
     Fuel Boost On CAS MSG ..... **ON**  
     Fuel Press Low CAS MSG ..... **OFF**  
     FFLOW PPH ..... **ZERO**  
 Starter Switch ..... **START**  
     Ignition On CAS MSG ..... **ON**  
     Oil PSI ..... **CHECK**  
     N<sub>g</sub> ..... **STABLE** (12% minimum)  
 Fuel Condition Lever ..... **LOW IDLE**  
     FFLOW ..... **PPH CHECK** (for 90 to 140 pph)  
     ITT ..... **MONITOR**  
     N<sub>g</sub> ..... **52% MINIMUM**  
 Starter Switch ..... **OFF**  
 EIS ..... **CHECK NORMAL**  
 GENERATOR ..... **CHECK LOAD**  
 Fuel Boost Switch ..... **ON**  
 Avionics No. 2 Switch ..... **ON**  
 NAV Lights ..... **ON**

### BEFORE TAKEOFF

Parking Brake ..... **SET**  
 Altimeters ..... **SET**  
     PFD 1 and 2 BARO ..... **SET**  
     Standby Altimeter ..... **SET**  
     ALT SEL ..... **SET**  
 Fuel Boost Switch ..... **NORM**  
 Fuel Tank Selectors ..... **BOTH ON**  
 Fuel QTY ..... **CHECK**  
 Fuel Shutoff Knob ..... **FULLY ON**  
 STBY ALT PWR Switch ..... **ON**  
 Manuel Electric Pitch Trim (MEPT) ..... **CHECK and SET**  
 Ice Protection ..... **AS REQUIRED**  
     PITOT/STATIC Heat ..... **ON** (when OAT is below 5°C (41° F))  
     STALL Heat ..... **ON** (when OAT is below 5°C (41° F))  
     PROP Heat ..... **ON** (when OAT is below 5°C (41° F))  
 Avionics and Radar ..... **SET FOR DEPARTURE**  
 NAV Source ..... **SET FOR DEPARTURE**  
 XPDR ..... **ON ALT**  
 Strobe Lights ..... **ON**  
 CAS MSG(s) ..... **CHECK**  
 Wing Flaps Handle ..... **SET FOR TAKEOFF**  
 Cabin Heat Mixing Air Control ..... **FLT-PUSH**  
 Brakes ..... **RELEASE**  
 Fuel Condition Lever ..... **HIGH IDLE**

### NORMAL TAKEOFF

Wing Flaps Handle ..... **20°**  
 Power Lever ..... **SET FOR TAKEOFF**  
     (Observe Takeoff ITT and N<sub>g</sub> limits)  
 CAS MSG(s) ..... **CHECK**  
 Rotate ..... **70-75 KIAS**  
 Airspeed ..... **85-95 KIAS**  
 Wing Flaps Handle ..... **RETRACT**  
     RETRACT to 10° (after reaching 85 KIAS)  
     RETRACT to UP (after reaching 85 KIAS)

## CRUISE - CLIMB

Ice Protection ..... **AS REQUIRED**  
PITOT/STATIC Heat ..... **ON** (when OAT is below 5°C (41° F))  
STALL Heat ..... **ON** (when OAT is below 5°C (41° F))  
PROP Heat ..... **ON** (when OAT is below 5°C (41° F))  
Airspeed ..... **100-120 KIAS**  
Prop RPM Lever ..... **1600 to 1900 RPM**  
Power Lever ..... **SET**

## CRUISE

Ice Protection ..... **AS REQUIRED**  
PITOT/STATIC Heat ..... **ON** (when OAT is below 5°C (41° F))  
STALL Heat ..... **ON** (when OAT is below 5°C (41° F))  
PROP Heat ..... **ON** (when OAT is below 5°C (41° F))  
Prop RPM Lever ..... **1600 to 1900 RPM**  
POWER Level ..... **SET**  
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<sub>g</sub> by 2.2%

## DESCENT

Ice Protection ..... **AS REQUIRED**  
PITOT/STATIC Heat ..... **ON** (when OAT is below 5°C (41° F))  
STALL Heat ..... **ON** (when OAT is below 5°C (41° F))  
PROP Heat ..... **ON** (when OAT is below 5°C (41° F))  
No Smoke/Seat Belt Switches ..... **ON**  
Altimeters ..... **SET**  
NAV Source ..... **SELECT**

### CAUTION

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

## BEFORE LANDING

Fuel Tank Selectors ..... **BOTH ON**  
Fuel Condition Lever ..... **HIGH IDLE**  
Prop RPM Lever ..... **MAX** (full forward)  
Radar ..... **STANDBY**  
AP/YD ..... **OFF**  
(before 200 feet AGL on approach or 800 feet AGL)  
Wing Flaps Handle ..... **SET**

## NORMAL LANDING

Wing Flaps Handle ..... **FULL**  
Airspeed ..... **75-85 KIAS**  
Touchdown ..... **MAIN WHEELS FIRST**  
Power Lever ..... **BETA RANGE AFTER TOUCHDOWN**  
Brakes ..... **APPLY**

## SHORT FIELD LANDING

Wing Flaps Handle ..... **FULL**  
Airspeed ..... **78 KIAS**  
Power Lever ..... **REDUCE TO IDLE** (after clearing obstacles)  
Touchdown ..... **MAIN WHEELS FIRST**  
Power Lever ..... **BETA RANGE AFTER TOUCHDOWN**  
Brakes ..... **APPLY**

## BALKED LANDING / GO AROUND

Power Lever ..... **ADVANCE** (for takeoff power)  
Wing Flaps Handle ..... **RETRACT to 20°**  
Airspeed ..... **80 KIAS MINIMUM**  
Wing Flaps Handle ..... **RETRACT**  
(after reaching safe altitude and airspeed)

## AFTER LANDING

Wing Flaps Handle . . . . . UP  
Ice Protection . . . . . OFF  
STBY ALT PWR . . . . . OFF  
Strobe Lights . . . . . OFF  
LDG and TAXI/RECOG Lights . . . . . SET  
Fuel Condition Lever . . . . . LOW IDLE  
(when clear of the runway)

## SHUTDOWN AND SECURING AIRPLANE

Parking Brake . . . . . SET  
Bleed Air Heat, Ventilation Fans/ Air Conditioning . . OFF  
Power Lever . . . . . IDLE  
ITT . . . . . STABILIZED  
(at minimum temperature for one minute)  
Prop RPM Lever . . . . . FEATHER  
Fuel Condition Lever . . . . . CUTOFF  
Lights . . . . . OFF  
Fuel Boost Switch . . . . . OFF  
Avionics No. 1 and No. 2 Switches . . . . . OFF  
Battery Switch . . . . . OFF  
Fuel Tank Selectors . . . . . LEFT OFF or RIGHT OFF  
Turn high wing tank off if parked on a sloping surface to prevent crossfeeding.

## AIRSPEED FOR NORMAL OPERATION

**TAKEOFF:**  
Normal Climb, Flaps 20° . . . . . 85-95 KIAS  
Short Field Takeoff, Flaps 20°, Speed at 50 feet . . 83 KIAS  
Type II, III, 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

**BALKED LANDING/GO-AROUND:**  
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