



# **Aircraft Checklist**

## **Cessna 162**

This is an abbreviated checklist. Most explanatory items, notes cautions and warnings have been omitted for brevity.. Procedures in the outlined and shaded portions of this checklist should be committed to memory. All performance speeds should be computed prior to flight using the Aircraft Owner's Manual. This checklist is for training purposes only; users must be familiar with and operate in accordance with the official Aircraft Owner's Manual.



# Cessna 162 Preflight Checklist

## CABIN PREFLIGHT INSPECTION

### REMOVE GUST LOCKS IF INSTALLED

1. Pilots Operating Handbook..... AS DESIRED
2. Garmin G300 Guide..... AS DESIRED
3. Inspections Date & Times..... CHECK
4. Documents ..... CHECK
5. Parking Brake ..... ON
6. Control Stick Lock..... REMOVE
7. Flaps..... RETRACTED
8. Fuel Indicators ..... CHECK
9. Ignition Switch.....OFF
10. Master Switch ..... ON
11. Interior Exterior Lights ..... CHECK
12. Avionics Switch..... ON
13. Cooling Fan ..... CHECK
14. PFD / MFD ..... CHECK NO RED X'S
15. Weight & Balance.....COMPLETE
16. Trim.....SET FOR TAKEOFF
17. Low Volts Annunciator ..... CHECK
18. Fuel Shutoff Valve..... ON
19. Avionics Switch.....OFF
20. Master Switch .....OFF
21. Fire Extinguisher..... CHECK

## **EXTERIOR PREFLIGHT INSPECTION**

### **EMPENNAGE**

1. Left Side of Fuselage ..... CHECK
2. Control Surfaces..... CHECK
3. Elevator Trim Tab..... CHECK
4. Tail Tie-down..... REMOVE
5. Right Side of Fuselage ..... CHECK

### **RIGHT WING**

1. Flap and Aileron ..... CHECK
2. Position Light..... CHECK
3. Wing..... CHECK
4. Stall Warning Opening ..... CHECK
5. Wing Tie-down ..... REMOVE
6. Wing Root Vent ..... CHECK
7. Wheel Assembly ..... CHECK
8. Cabin Door ..... CHECK CONDITION
9. Fuel Tank Sump..... DRAIN and CHECK
10. Fuel Quantity ..... CHECK/ CAP SECURE

## NOSE

1. Engine Cooling Inlets ..... CHECK
2. Alternator Belt ..... CHECK
3. Prop/Spinner/Cowling..... CHECK
4. Carburetor Air Filter ..... CHECK
5. Engine Exhaust Outlet ..... CHECK
6. Nose Wheel Assembly ..... CHECK
7. Oil Level ..... min 3.5 max 5 CHECK
8. Static Port..... CHECK
9. Fuel Sumps..... DRAIN
10. Windshield .....CLEAN

## LEFT WING

1. Wing Root Vent ..... CHECK
2. Cabin Door ..... CHECK CONDITION
3. Fuel Tank Sump..... DRAIN and CHECK
4. Fuel Quantity ..... CHECK / CAP SECURE
5. Pitot Tube..... CHECK
6. Wing Tie-down ..... REMOVE
7. Fuel Tank Vent ..... CHECK for BLOCKAGE
8. Wing..... CHECK
9. Position Light..... CHECK
10. Flap and Aileron ..... CHECK
11. Wheel Assembly ..... CHECK

## BEFORE STARTING ENGINE

1. Preflight Inspection ..... COMPLETE
2. Passenger Briefing ..... COMPLETE
3. Rudder Pedals ..... ADJUST
4. Seat Belts/ Shoulder Harness ..... ADJUSTED/ SECURE
5. Cabin Doors ..... AS DESIRED
6. Circuit Breakers ..... CHECK IN
7. Avionics Master ..... OFF
8. Park Brake ..... ON

## V SPEEDS

V <sub>so</sub> .....	37 KIAS
V <sub>s</sub> .....	41 KIAS
V <sub>r</sub> .....	50 KIAS
V <sub>x</sub> .....	57 KIAS
V <sub>y</sub> .....	62 KIAS
V <sub>fe</sub> ..... 10°.....	100 KIAS
25°.....	85 KIAS
FULL .....	70 KIAS
V <sub>a</sub> .....	102 KIAS
V <sub>o</sub> ..... 1320 Lbs .....	89 KIAS
1200 Lbs .....	85 KIAS
1100 Lbs .....	80 KIAS
V <sub>no</sub> .....	124 KIAS
V <sub>ne</sub> .....	148 KIAS

## STARTING ENGINE

1. Prime.....AS REQUIRED  
     ENGINE COLD ..... 3 TO 6 STROKES MAX  
     ENGINE WARM ..... 1 STROKE ONLY
2. Mixture..... RICH
3. Throttle.....OPEN ¼ INCH
4. Carburetor Heat.....OFF
5. Master Switch ..... ON
6. Strobe Lights ..... ON
7. Engine Indication System Page .....NO RED X'S
8. Volts..... CHECK
9. Amps ..... CHECK
10. Propeller Area ..... CLEAR
11. Ignition ..... ENGAGE
12. Throttle..... 1000 RPM
13. Oil Pressure ..... INDICATING GREEN
14. Mixture..... LEAN for TAXI
15. Ammeter ..... CHECK
16. Strobe Lights ..... AS APPROPRIATE
17. Navigation Lights.....AS REQUIRED
18. Avionics Switch ..... ON
19. Transponder ..... STANDBY
20. ASOS/ATIS .....OBTAIN
21. Altimeter .....SET
22. Advisory/Departure & Taxi Clearance ..... CONTACT

## **TAXI**

1. Brakes ..... CHECK
2. Instrument Cross-Check..... CHECK

## **BEFORE TAKEOFF**

1. Nose Wheel ..... STRAIGHT
2. Brakes ..... SET and HOLD
3. Flight Controls ..... FREE and CORRECT
4. Mixture..... RICH
5. Throttle..... 1700 RPM
6. Mixture..... SET for DENSITY ALTITUDE
7. Carburetor Heat..... CHECK
8. Magnetos.....(125 max drop, 50 diff.) CHECK
9. Engine Indicating System ..... CHECK
10. Volts ..... CHECK
11. Amps ..... CHECK
12. Throttle..... CHECK IDLE
13. Throttle..... 1000 RPM
14. Throttle Friction Lock..... ADJUST
15. Radios ..... SET
16. Flight Instruments ..... SET and CHECKED
17. Fuel Quantities ..... CHECKED
18. Trim..... SET for TAKEOFF
19. Flaps ..... SET for TAKEOFF 10° RECOMMENDED
20. Cabin Doors ..... CLOSED and LATCHED
21. Seats ..... ADJUSTED/ LOCKED
22. Departure Briefing ..... CLEARANCE / EMERG. PLAN
23. Advisory/ Tower ..... CONTACT

## **CLEARED FOR TAKEOFF**

1. Lights .....AS REQUIRED
2. Transponder ..... ALT
3. Traffic ..... CHECK
4. Brakes ..... RELEASE

## **NORMAL TAKEOFF**

1. Wing Flaps ..... 10° RECOMMENDED
2. Carburetor Heat..... COLD
3. Throttle..... FULL OPEN
4. Elevator Control..... LIFT NOSE AT 50 KIAS
5. Climb Speed..... 65-75 KIAS
6. Flaps Retract ..... SAFE ALTITUDE

## **SHORT FIELD TAKEOFF**

1. Wing Flaps ..... 10°
2. Carburetor Heat..... COLD
3. Brakes ..... HOLD
4. Throttle..... FULL OPEN
5. Engine Gauges .....GREEN
6. Brakes ..... RELEASE
7. Elevator Control..... SLIGHTLY TAIL LOW
8. Obstacle Clearance Speed.....54 KIAS
9. Airspeed ..... ACCELERATE FOR NORMAL CLIMB
10. Wing Flaps .....RETRACT AT SAFE ALTITUDE



## **SOFT FIELD TAKEOFF**

1. Wing Flaps ..... 10°
2. Carburetor Heat..... COLD
3. Elevator Control..... TAIL LOW
4. Throttle..... FULL OPEN
5. Accelerate ..... WHILE IN GROUND EFFECT
6. Climb Speed..... 65-75 KIAS
7. Wing Flaps .....RETRACT

## **ENROUTE CLIMB**

1. Airspeed ..... 65-75 KIAS
2. Throttle..... FULL OPEN
3. Mixture.....AS REQUIRED

## **CRUISE**

1. Power ..... 2400 - 2750 RPM 75% RECOMMENDED
2. Trim.....AS REQUIRED
3. Landing Light.....OFF
4. Mixture..... LEAN for CRUISE

## **DESCENT**

1. ASOS/ATIS .....OBTAIN
2. Altimeter .....SET
3. Arrival/Passenger Briefing.....COMPLETE
4. Mixture.....ADJUST AS REQUIRED
5. Power .....AS REQUIRED
6. Carburetor Heat.....AS REQUIRED
7. Landing Light..... ON

## **BEFORE LANDING**

1. Seats, Belts and Harnesses .....ADJUST/LOCKED
2. Mixture.....AS REQUIRED
3. Carburetor Heat..... ON

## **NORMAL LANDING**

1. Power .....AS REQUIRED
2. Airspeed .....(flaps up) 60 - 70 KIAS
3. Wing Flaps .....AS REQUIRED
4. Airspeed .....(flaps down) 55 - 60 KIAS
5. Touchdown .....MAIN WHEELS FIRST
6. Brakes .....MINIMUM REQUIRED

## **SHORT FIELD LANDING**

1. Power .....AS REQUIRED
2. Wing Flaps ..... FULL
3. Airspeed .....50 KIAS
4. Touchdown ..... MAIN WHEELS FIRST
5. Wing Flaps .....RETRACT
6. Brakes ..... APPLY AS NECESSARY

## **SOFT FIELD LANDING**

1. Power .....AS REQUIRED
2. Wing Flaps ..... FULL
3. Airspeed .....60 KIAS
4. Touchdown ..... MAIN WHEELS FIRST
5. Landing Roll .....TAIL LOW

## **GO AROUND (BALKED LANDING)**

1. Throttle..... FULL OPEN
2. Carburetor Heat..... COLD
3. Wing Flaps .....RETRACT TO 25°
4. Climb Speed..... 50-60 KIAS
5. Wing Flaps ..... 10°
6. Wing Flaps ..... (after clearing obstacles) RETRACT

## **AFTER LANDING / CLEAR OF RUNWAY**

1. Flaps..... UP
2. Mixture..... LEAN for TAXI
3. Carburetor Heat.....OFF
4. Landing Light.....OFF
5. Transponder ..... STANDBY
6. Cabin Doors ..... AS DESIRED
7. Taxi Clearance / Advisory ..... CONTACT

## **SECURING AIRPLANE**

1. Avionics Switch.....OFF
2. Throttle..... IDLE
3. Magnetos..... CHECK GROUNDING
4. Throttle..... 1000 RPM
5. Mixture..... IDLE CUT-OFF
6. Strobe Lights.....OFF
7. Ignition.....OFF
8. Flight Information .....RECORD
9. Master Switch .....OFF
10. Control Lock..... INSTALL
11. Pitot Tube Cover..... INSTALL
12. Wheel Chocks & Tie Downs .....SECURE
13. Post Flight Walk-Around.....COMPLETE
14. Doors.....LOCKED

## ABNORMAL PROCEDURES

### VOLT INDICATION ABOVE GREEN BAND OR MORE THAN 15 VOLTS

1. Alternator Switch..... OFF
2. Electrical Load..... REDUCE
3. Nonessential Electrical Equipment ..... OFF
4. Flight..... LAND AS SOON AS PRACTICAL

### LOW VOLTAGE ANNUNCIATOR COMES ON OR VOLTS INDICATION BELOW GREEN BAND RANGE OR VOLTS LESS THAN 12.5

1. Avionics Master Switch ..... OFF
2. Starter/Alternator Circuit Breaker .....CHECK IN
3. Alternator Switch..... OFF then ON
4. Main Circuit Breaker Switch..... PRESS MOMENTARILY
5. Volts ..... CHECK 13.5 MINIMUM
6. Amps .....CHECK POSITIVE
7. Avionics Master Switch ..... ON

#### *If Low Voltage Light Illuminates Again:*

8. Alternator Switch..... OFF
9. Nonessential Electrical Equipment ..... OFF
10. Flight..... TERMINATE

## **DOOR OPEN IN FLIGHT**

1. Cabin Door .....LEAVE OPEN
2. Throttle Control .....AS REQUIRED
3. Airspeed ..... 80 KIAS OR LESS
4. Seat Belts .....CHECK
5. Cabin .....STOW LOOSE MATERIALS
6. Land .....AS SOON AS PRACTICAL

## **ADAHRS FAILURE IDICATED BY RED X'S ON PFD OR MFD (AIRSPEED, ALTITUDE, HSI, OR EIS).**

1. Adahrs Circuit Breaker .....IF NOT OPEN- PULL OPEN
2. Adahrs Circuit Breaker ..... CLOSE

### ***If Red X's Still Persist:***

3. Reference MFD for Ground speed, Heading, and GPS Altitude.
4. Land .....AS SOON AS PRACTICAL

## EMERGENCY CHECKLIST

This is an operational checklist. Procedures in the red text of this section should be committed to memory. The official aircraft AFM contains additional procedures and expanded procedures not listed in this checklist. Users should be familiar with all procedures

### AIRSPEEDS FOR EMERGENCY OPERATION

Engine Failure After Takeoff..... 70 KIAS FLAPS UP  
 .....65 KIAS FLAPS 10°- FULL  
 Maximum Glide.....70 KIAS

#### **Landing Without Engine Power:**

Flaps up.....70 KIAS  
 Flaps Down .....65 KIAS

### FIRE DURING ENGINE START

**1. Cranking ..... CONTINUE**

#### **If Engine Starts:**

2. Power ..... 1800 RPM  
 3. Engine ..... SHUTDOWN

#### **If Engine Fails to Start:**

**2. Cranking ..... CONTINUE**  
**3. Throttle ..... FULL OPEN**  
**4. Mixture..... IDLE CUT-OFF**  
**5. Master Switch..... OFF**  
**6. Ignition Switch..... OFF**  
**7. Fuel Shutoff Valve..... OFF**  
**8. Fire Extinguisher..... OBTAIN**

## **ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF**

- 1. Airspeed ..... 70 KIAS FLAPS UP  
..... 65 KIAS FLAPS 10° - FULL**
2. Mixture..... IDLE CUT-OFF
3. Fuel Shutoff Valve.....OFF
4. Ignition Switch.....OFF
5. Flaps.....AS REQUIRED
6. Master Switch.....OFF
7. Doors ..... OPEN (JUST PRIOR TO TOUCHDOWN)
8. Land. .... STRAIGHT AHEAD

## **ENGINE FAILURE / POWER LOSS DURING FLIGHT**

- 1. Airspeed..... 70 KIAS**
- 2. Throttle ..... IDLE**
- 3. Carburetor Heat ..... ON**
- 4. Fuel Shutoff Valve ..... ON**
- 5. Mixture ..... RICH**
- 6. Magnetos..... CHECK BOTH**



## **EMERGENCY LANDING WITHOUT ENGINE POWER**

1. Seats, Seatbelts, Shoulder Harnesses ..... SECURE
2. Airspeed..... 70 KIAS (Flaps up)  
65 KIAS 10°-FULL
3. Landing Site..... DETERMINE
4. Mixture ..... IDLE CUT-OFF
5. Fuel Shutoff Valve..... OFF
6. Ignition Switch ..... OFF
7. Flaps..... AS REQUIRED
8. Master Switch ..... OFF
9. Doors..... OPEN (JUST PRIOR TO TOUCHDOWN)
10. Touchdown ..... SLIGHTLY TAIL LOW
11. Brakes ..... APPLY

## **PRECAUTIONARY LANDING WITH ENGINE POWER**

1. Seats, Seatbelts, Shoulder Harness ..... SECURE
2. Airspeed..... 70 KIAS
3. Selected Field..... FLY OVER
4. Flaps..... AS REQUIRED
5. Airspeed..... 60 KIAS
6. Master Switch ..... OFF
7. Doors..... OPEN (JUST PRIOR TO TOUCHDOWN)
8. Touchdown ..... SLIGHTLY TAIL LOW
9. Brakes ..... APPLY

## ENGINE FIRE IN FLIGHT

1. Mixture .....IDLE CUT-OFF
2. Fuel Shutoff Valve .....OFF
3. Master Switch .....OFF
4. Cabin Heat and Air .....OPEN AS NEEDED
5. Cabin Heat ..... OFF
6. Airspeed..... 85+ KIAS
7. Forced Landing..... EXECUTE

## ELECTRICAL FIRE IN FLIGHT

1. Master Switch .....OFF
2. Vents, Cabin Heat and Air ..... CLOSED
3. Fire Extinguisher ..... ACTIVATE
4. Avionics ..... OFF
5. All Electrical Switches (except ignition)..... OFF

### **If Fire Appears Out:**

6. Master Switch ..... ON
7. Circuit Breakers ..... CHECK
8. Radio and Electrical Switches ..... (one at a time) ON
9. Land ..... AS SOON AS PRACTICABLE

## CABIN FIRE

1. Master Switch .....OFF
2. Vents, Cabin Heat and Air ..... CLOSED
3. Fire Extinguisher (if available) ..... ACTIVATE
4. Flight ..... TERMINATE

## **WING FIRE**

1. Landing Light Switch .....OFF
2. Nav Light Switch .....OFF
3. Strobe Light Switch .....OFF

***Perform a Sideslip to keep the flames away from the fuel tank and cabin.***

4. Land ..... AS SOON AS POSSIBLE

## **LANDING WITH A FLAT MAIN TIRE**

1. Flaps.....AS REQUIRED
2. Approach.....NORMAL
3. Touchdown .....GOOD TIRE FIRST
4. Directional Control .....MAINTAIN  
(using brake on good tire)

Should any mechanical difficulty, accident, incident or delay occur, please contact a Leading Edge Aviation representative before continuing any flight. **DO NOT FLY** any aircraft that may have been damaged, until it has been inspected and certified airworthy by a certified mechanic. Call Leading Edge Aviation 435-752-5955.