



# 182P CHECKLIST



## PREFLIGHT - Cabin

1. Documents ..... ARROW
2. Flight Plan & Charts ..... AVAILABLE
3. Aircraft Wt & Balance ..... CHECK
4. Hobbs & Tach ... NOTE IN CLIPBOARD
5. Control Wheel Lock ..... REMOVE
6. Ignition ..... OFF
7. Avionics Master ..... OFF
8. Master (ALT & BAT) ..... ON
9. Lights & Pitot Heat ..... CHECK / OFF
10. Stall Warning ..... CHECK
11. Fuel Quantity (L & R) ..... CHECK
12. Flaps ..... EXTEND 10°
13. Master (ALT & BAT) ..... OFF
14. Circuit Breakers ..... CHECK IN
15. Fire Extinguisher ..... CHECK
16. Fuel Selector ..... BOTH

## PREFLIGHT - Empennage

1. Baggage Door .... OPEN (LEAVE KEY)
2. Tail Tiedown ..... REMOVE
3. Rear Control Surfaces ..... CHECK
4. Antennas ..... CHECK

## PREFLIGHT - Right Wing

1. Right Flap & Aileron ..... CHECK
2. Right Wing General Condition .. CHECK
3. Right Wing Tiedown ..... REMOVE
4. Right Main Wheel & Tire ..... CHECK
5. Right Main Brake Condition ..... CHECK
6. Right Wheel Chocks ..... REMOVE
7. Right Wing Fuel Sumps ..... DRAIN
8. Right Fuel Qty & Cap ..... CHECK

## PREFLIGHT - Left Wing

1. Left Fuel Quantity & Cap ..... CHECK
2. Fuel Tank Vent Opening ..... CHECK
3. Stall Warning Opening ..... CHECK
4. Pitot Tube Cover ..... REMOVE
5. Left Wing General Condition .... CHECK
6. Left Aileron & Flap ..... CHECK
7. Left Wing Tiedown ..... REMOVE
8. Left Main Wheel & Tire ..... CHECK
9. Left Main Brake Condition ..... CHECK
10. Left Wheel Chocks ..... REMOVE
11. Left Wing Fuel Sumps ..... DRAIN
12. Baggage Door .... CLOSED & LOCKED
13. Move a/c to check tires ..... CHECK

## PREFLIGHT - Nose Area

1. Static Source (both sides).....CHECK
2. Engine Oil ..... CHECK (9 qts min)
3. Nosewheel Tire & Strut ..... CHECK
4. Carburetor Air Filter.....CHECK
5. Propeller & Spinner ..... CHECK
6. Strainer Drain Knob.....PULL

## BEFORE ENGINE START

1. Preflight Inspection .....COMPLETE
2. **PASSENGER BRIEFING**
  - a. Seatbelts/Shoulder Harnesses
  - b. Air Conditioning/Heat
  - c. Fire Extinguisher/Other
  - d. Emergency Exits
  - e. Traffic/Talking
  - f. Your questions?
3. Seats & Seatbelts ...CHECK & ADJUST
4. Fuel Selector Valve.....BOTH
5. Avionics Master ..... OFF
6. Cowl Flaps.....OPEN
7. Circuit Breakers.....CHECK IN

## ENGINE START

1. Mixture .....RICH
2. Propeller .....HIGH RPM
3. Carburetor Heat .....OFF
4. Throttle ..... ½" OPEN
5. Prime .....AS REQUIRED
6. Master Switch ..... ON
7. Propeller Area ..... CLEAR
8. Ignition Switch ..... START
9. Throttle ..... 1000 RPM
10. Oil Pressure ..... CHECK
11. Mixture .....SET FOR TAXI
12. Voltmeter ..... 28V ± 0.5V

## BEFORE TAXI

1. Avionics Master .....ON & SET
2. Flaps .....RETRACT
3. ATIS/ASOS/AWOS.....OBTAIN
4. Altimeter ..... SET
5. Lights .....AS REQUIRED
6. Taxi Area .....CLEAR
7. Brakes .....TEST IMMEDIATELY
8. Taxi Clearance .....OBTAIN

## TAXI INSTRUMENT CHECK

1. Mag Compass ..... fluid, rotates freely
2. Attitude Indicator ..... CHECK and SET
3. Airspeed ..... ZERO
4. Turn Coordinator ..... CHECK
5. Heading Indicator ..... SET to compass
6. VSI ..... NOTE LEVEL
7. Marker Beacon ..... ON and TEST
8. Alternate Static Source ..... CHECK

## RUN UP

1. Doors/Windows....CLOSED & LOCKED
2. Brakes ..... SET
3. Fuel Selector.....BOTH
4. Elevator/Rudder Trim .....SET
5. Throttle.....1700 RPM
6. Mixture.....SET FOR ALTITUDE
7. Magnetos.....CHECK  
(150 max drop, 50 max difference)
8. Propeller.....CYCLE
9. Carb Heat.....CHECK
10. Engine Instruments/Ammeter....CHECK
11. Throttle.....CHECK IDLE
12. Throttle.....1000 RPM or less
13. Throttle Friction .....SET
14. Flight Controls...FREE AND CORRECT

## PRE-TAKEOFF

1. Autopilot.....OFF
2. Lights.....AS REQUIRED
3. Transponder.....CHECK SQUAWK
4. Parking Brake.....RELEASE
5. Takeoff Clearance.....OBTAINED

## TAKEOFF

1. Flaps ..... 0°- 20°
2. Carb Heat.....OFF
3. Power..... FULL THROTTLE
4. Elevator.....LIFT NOSE AT 60 KIAS
5. Climb speed .....70 KIAS 20° FLAPS  
80 KIAS NO FLAPS

## SHORT FIELD TAKEOFF

1. Wing Flaps.....20°
2. Carb Heat.....OFF
3. Brakes.....APPLY
4. Power.....FULL THROTTLE/2400 RPM
5. Brakes.....RELEASE
6. Elevator.....LIFT NOSE AT 50 KIAS
7. Climb Speed.....57 KIAS  
(until obstacle cleared)
8. Wing Flaps.....RETRACT(>=70 KIAS)  
(above obstacle)

## NORMAL CLIMB

1. Airspeed.....85-95 KIAS
2. Power .....23" Hg and 2450 RPM
3. Fuel Selector.....BOTH
4. Mixture.....ADJUST FOR ALTITUDE
5. Cowl Flaps.....OPEN (as required)

## MAX PERFORMANCE CLIMB

1. Airspeed.....78 KIAS
2. Power.....Full Throttle and 2450 RPM
3. Mixture.....ADJUST FOR ALTITUDE
4. Cowl Flaps.....FULL OPEN

## CRUISE

1. Power....15-23" Hg and 2100-2400 RPM
2. Trim.....ADJUST
3. Mixture.....LEAN
4. Cowl Flaps.....CLOSED

## DESCENT

1. Power.....AS DESIRED
2. Carb Heat.....AS REQUIRED
3. Mixture.....ENRICHEN (as required)
4. Cowl Flaps.....CLOSED
5. Wing Flaps.....AS DESIRED

## BEFORE LANDING

1. Seat Belts.....ADJUST & LOCK
2. Fuel Selector.....BOTH
3. Mixture.....ENRICHEN (as required)
4. Carb Heat.....AS REQUIRED
5. Propeller.....HIGH RPM
6. Autopilot.....OFF

## NORMAL LANDING

1. Airspeed.....70-80 KIAS (flaps up)
2. Wing Flaps.....AS DESIRED
3. Airspeed.....60-70 KIAS (flaps down)
4. Trim.....ADJUST
5. Touchdown.....MAIN WHEELS FIRST
6. Landing Roll.....LOWER NOSE GENTLY
7. Braking.....MINIMUM REQUIRED

## BALKED LANDING

1. Power..... FULL and 2600 RPM
2. Carb Heat..... OFF
3. Flaps.....RETRACT to 20°
4. Climb Speed.....70 KIAS
5. Flaps.....RETRACT slowly after 70 KIAS
6. Cowl Flaps.....OPEN

## AFTER LANDING

1. Flaps..... RETRACT
2. Carb Heat .....OFF
3. Cowl Flaps.....OPEN
4. Ground Clearance .....OBTAIN
5. Lights.....AS REQUIRED

## SECURING AIRCRAFT

1. Parking Brake.....SET
2. Avionics Switch.....OFF
3. Throttle.....IDLE
4. Mixture.....IDLE CUT-OFF
5. Ignition Switch.....OFF
6. Master Switch.....OFF
7. Control Lock .....INSTALL
8. Wheels .....CHOCK
9. Tiedowns ..... SECURE
10. Fuel Selector ..... LEFT or RIGHT
11. Hobbs & Tach Times ..... RECORD
12. Pitot Tube Cover .....INSTALL
13. Flight Plan ..... CLOSE
14. Sunscreen .....INSTALL

**OFFICE # 970.254.0444**

**IF YOU ARE UNABLE TO RETURN TO GRAND JUNCTION WHEN EXPECTED/A LANDING IS REQUIRED AT ANOTHER AIRPORT DUE TO MECHANICAL ISSUES OR WEATHER, PLEASE CLOSE YOUR FLIGHT PLAN, THEN CALL YOUR INSTRUCTOR OR THE SCHOOL OFFICE/CHIEF FLIGHT INSTRUCTOR AS SOON AS PRACTICAL.**

## PATTERN WORK

- Downwind ..... 90 KIAS MAX  
Abeam Numbers ..... 80 KIAS / FLAPS 10°  
Base Leg.....70 KIAS / FLAPS 20°  
Final Leg...60-70 KIAS/FLAPS AS DESIRED

## C-GUMPS

- Cowl Flaps.....CLOSED  
Carb Heat.....ON  
Gas (Fuel Selector)..... BOTH  
Undercarriage ..... DOWN AND LOCKED  
Mixture ..... SET  
Propeller.....2450 RPM  
Switches.....CHECK

## FLOODED START

- Mixture Control.....FULL LEAN  
Throttle.....FULL OPEN  
Ignition Switch.....START  
(Repeat procedure w/out additional priming)

## SPEEDS

- Vy.....73-80 KIAS  
Vx.....59-63 KIAS  
Va.....2905 lbs 111 KIAS  
.....2450 lbs 100 KIAS  
.....1959 lbs 89 KAS  
Normal Approach 30° Flaps.....60-70 KIAS  
Best Glide.....70 KIAS

## LOCAL FREQUENCIES

- ATIS.....118.55 MHz  
Ground.....121.7 MHz  
Tower.....118.1 MHz  
Practice Area.....122.75 MHz  
Flight Service.....122.6 MHz  
Denver Center.....134.5 MHz  
Denver Approach/Departure.....119.7 MHz