

PA28R-200 CHECKLIST

INTERIOR

1. **Hobbs Time** **Note**
2. Documents On Board
3. Control Yoke Unbuckle
4. Ignition Switch Off
5. Radios & Electrical(Except Beacon) Off
5. Gear Handle Down Position
6. Master Switch On
7. Fuel Gages Check
8. Fuel Selector On Fullest Tank
9. Flaps Down
10. Circuit Breakers Check In
11. **Master Switch** **Off**

EXTERIOR

1. Right Aileron and Flap Check
2. Right Wing Check
3. Right Fuel Tank Visual Check
4. Right Fuel Sump Drain
5. Right Gear, Tire & Brakes Check
6. Right Fuel Vent Clear
7. Tie Down Remove
8. Oil Level Check
9. Cowling/Prop Check
10. Nose Wheel Assembly Check
11. Engine Fuel Sump Drain
12. Left Fuel Tank Visual Check
13. Left Gear, Tire, & Brakes Check
14. Left Fuel Sump Drain
15. Left Fuel Vent Clear
16. Pitot Tube/Static Port/Drain Check
17. Stall Warning Check
18. Left Wing Check
19. Left Flap and Aileron Check
20. Empennage Check
21. Tail Tie Down Remove
22. Baggage Door Secure
23. General Walk Around Complete

STARTING ENGINE (COLD)

1. Seats/Belts/Harnesses Secured
2. Brakes Test and Set
3. Propeller High RPM
4. Landing Gear Down & Locked
5. Throttle Open 1/4 inch
6. Fuel Selector Fullest Tank
7. **Landing light** **Off**
8. Beacon & Strobes On
9. Master Switch On
11. Fuel Pump On
10. Mixture Rich(Note Fuel Flow)then Idle Cut Off
11. Fuel Pump Off
12. Prop Area Clear
13. Ignition Switch Start

When Engine Starts...

Move Mixture to Full Rich

14. Throttle 1000 RPM
15. Oil Pressure Check
16. Flaps Up
17. Electric Trim On
18. Circuit Breakers Check
19. Avionics Master On
20. Radios On
21. Nav. Lights (Night) On
22. **Transponder(Set ADIZ code)** **On/ALT**

FLOODED START

1. Throttle Full Open
2. Mixture Idle Cut-Off
3. Ignition Switch Start
When Engine Starts...
4. Mixture Rich
5. Throttle 1/2 Inch
5. Return to step 14. under COLD START

BEFORE TAKEOFF

- *1. Throttle 1000 RPM
2. Nose Wheel Straight
3. Parking Brake Set
- *4. Flight Controls Free & Correct
- *5. Flight Instruments Set
6. Alternate Air Check
- *7. Fuel Selector Fullest Tank
- *8. Mixture Rich
- *9. Propeller High RPM
10. Throttle 2000 RPM
11. Mags Check
Max Drop 175 RPM
Max Differential 50 RPM
12. Propeller Exercise
- *13. Engine Instruments Check
14. Ammeter Check
15. Suction Check
16. Throttle 1000 RPM
17. Avionics Set
- *18. Flaps Set for Take Off
- *19. Trim Set for Takeoff
- *20. Doors/Windows Closed/Locked
- *21. Beacon & Strobes On
- *22. **Transponder(ADIZ Code)** **ALT**
23. Friction Lock Adjust
- *24. Fuel Pump (Check Pressure)On
25. Parking Brake Off

CLIMB PROFILE

1. Rotate 65 MPH
2. **Airspeed** **Vx 96/Vy 100 MPH**
3. Positive ROC Gear Up
4. Clear Obstacles Flaps Up
5. Full Power Until 1000 ft. AGL
6. Cruise Climb(25"25RPM) 110 MPH
7. Fuel Pump (Check Press) Off

CRUISE

1. Cruise Power See Power Chart
2. Trim Adjust
3. Mixture Lean as Required

BEFORE LANDING

1. Seats/Belts/Harnesses Secured
2. Mixture Rich
3. Fuel Pump On
5. Fuel Selector Fullest Tank
6. Power Decrease
7. **Gear** **(150 MPH Max) Down**
8. Flaps (125 MPH) Set
9. Propeller High RPM

NORMAL LANDING

1. Airspeed 90-100 MPH(Flaps Up)
2. Flaps Below 125 MPH
3. Airspeed 90 MPH(Flaps Down)
4. Touchdown Main Wheels First
. then Gently Lower Nose Wheel
6. Braking Minimum Required

GO AROUND

1. Throttle Full
2. Airspeed V_x 96 V_y 100 MPH
3. Flaps Retract to Takeoff
4. Gear Retract
5. Flaps Retract Slowly

AFTER LANDING

1. Flaps Retract
2. Fuel Pump Off
3. **Landing Light** **Off**
4. Trim Set Takeoff

SECURING AIRPLANE

1. Throttle 1000 RPM
2. **Transponder** **OFF**
3. Avionics Master Off
4. Electrical Equipment Off
5. Mixture Idle Cut-Off
6. Ignition Switch Off
7. **Master Switch** **Off**
8. Parking Brake Set
9. Control Yoke Buckle
10. Aircraft Chock & Tie Down
11. **Hobbs Time** **Note**
12. **Keys** **Return to Office**

EMERGENCY PROCEDURES

ENGINE FAILURE DURING FLIGHT

1. Airspeed 105 MPH
2. Fuel Pump On
3. Fuel Selector Switch to Full Tank
4. Mixture Rich
5. Ignition Switch Left/Right/Both
. (or Start if Prop Stopped)
6. Engine Instruments Check
7. Throttle & Mixture Adjust

FORCED LANDING

1. Airspeed Flaps Up - 105 MPH
. Flaps Down - 90 MPH
2. **Gear** **Down**
3. Ignition Switch Off
4. Fuel Selector Off
5. Mixture Idle Cut Off
6. Flaps As Required (Full Recommended)
7. Master Switch Off
8. Door Before Touchdown Unlatch
9. Seatbelts & Harnesses Tight
10. Touchdown Main Wheels First
11. Brakes Apply Heavily

V-SPEEDS

- | | |
|----------------------------------|---------|
| V_{so} | 64 MPH |
| V_{sl} | 71 MPH |
| V_x | 96 MPH |
| V_y | 100 MPH |
| V_a (2650 lbs.) | 131 MPH |
| Best Glide | 105 MPH |
| V_{no} | 170 MPH |
| V_{ne} | 214 MPH |
| V_{fe} | 125 MPH |
| V_{le} | 150 MPH |
| Max gear retract speed | 125 MPH |