

## 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 & Stobes ..... On
9. **Master Switch(Battery Side only)** ..... **On**
10. Fuel Pump ..... On
11. Mixture . . . . Rich(Note Fuel Flow)then Idle Cut Off
12. Fuel Pump ..... Off
13. Prop Area ..... Clear
14. Ignition Switch ..... Start  
When Engine Starts...*Move Mixture to Full Rich*
15. Throttle ..... 1000 RPM
16. Oil Pressure ..... Check
17. **Master Switch(Alternator On)** ..... **On**
18. Amp Meter ..... Check System Charging
19. Flaps ..... Up
20. Electric Trim ..... On
21. Circuit Breakers ..... Check
22. Avionics Master ..... On
23. Radios ..... On
24. Nav. Lights (Night) ..... On
25. **Transponder(Set SFRA 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

### DURING TAXI

1. RPM ..... **800 RPM** or Less
2. **Minimum Braking!**
3. Aileron/Elevator Position for Wind Conditions

### 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 & Stobes ..... On
- \*22. **Transponder(SFRA 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 ..... Vx 96Vy 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

- |                        |         |
|------------------------|---------|
| Vso                    | 64 MPH  |
| Vsl                    | 71 MPH  |
| Vx                     | 96 MPH  |
| Vy                     | 100 MPH |
| Va (2650 lbs.)         | 131 MPH |
| Best Glide             | 105 MPH |
| Vno                    | 170 MPH |
| Vne                    | 214 MPH |
| Vfe                    | 125 MPH |
| Vle                    | 150 MPH |
| Max gear retract speed | 125 MPH |