

Normal Checklist Piper PA-28

Refer to Aircraft Flight Manual as Appropriate.

BEFORE STARTING ENGINE

1. Exterior Preflight -- COMPLETE.
2. Tach/Hobbs Meter -- RECORD.
3. Seats, Belts, Harnesses -- ADJUST & LOCKED.
4. Radios & Electrical Equipment -- OFF.
5. Brakes -- TEST & SET.

STARTING ENGINE

1. Parking Brake -- SET.
2. Carburetor Heat -- COLD.
3. Fuel Selector -- SET TO DESIRED TANK.
- **Cold Start**
 1. Throttle -- OPEN ¼ INCH.
 2. Master Switch -- ON
 3. Electric Fuel Pump -- ON.
 4. Mixture -- RICH.
 5. Magnetos -- ROTATE SWITCH CLOCKWISE WHILE PRESSING IN.
 6. Throttle -- ADVANCE WHEN ENGINE FIRES.

• Hot Start

1. Throttle -- OPEN ½ INCH.
2. Master Switch -- ON.
3. Electric Fuel Pump -- ON.
4. Mixture -- IDLE CUTOFF.
5. Starter -- ROTATE SWITCH CLOCKWISE WHILE PRESSING IN.
6. Mixture -- ADVANCE WHEN ENGINE FIRES.
7. Throttle -- ADJUST.

• Flooded Start

1. Throttle -- OPEN FULLY.
2. Master Switch -- ON
3. Electric Fuel Pump -- OFF.
4. Mixture -- IDLE CUT OFF.

5. Magnetos -- ROTATE SWITCH CLOCKWISE WHILE PRESSING IN.
6. MIXTURE -- ADVANCE WHEN ENGINE FIRES.
7. Throttle -- ADJUST.

GROUND CHECK

1. Brakes -- SET.
2. Throttle -- 1800 RPM.
3. Magnetos -- CHECK. 125 MAX DROP/50 DIFF.
4. Carburetor Heat -- CHECK FOR RPM DROP.
5. Engine Gauges -- CHECK.
6. Fuel Pump -- CHECK OPERATION.

TAKEOFF

1. Fuel -- ON PROPER TANK.
2. Electric Fuel Pump -- ON.
3. Engine Gauges -- CHECKED.
4. Carburetor Heat -- OFF.
5. Mixture -- SET
6. Quadrant Friction Lock -- SET
7. Trim Tabs -- SET
8. Flaps -- SET
9. Controls -- FREE & CORRECT.
10. Door -- LATCHED.

ENROUTE CLIMB

1. Airspeed -- 85 - 100 MPH.
2. Throttle -- FULL OPEN.
3. Mixture -- RICH. *(Unless engine is rough).*

CRUISE

1. Power -- 2300 to 2700. *(No more than 75%).*
2. Fuel Selector -- ON PROPER TANK.
3. Mixture -- FULL RICH BELOW 5000 FT.

APPROACH & LANDING

1. Fuel Selector -- ON PROPER TANK.
2. Electric Fuel Pump -- ON

3. Mixture -- SET
4. Flaps -- SET (*115mph Max.*)
5. Airspeed -- 85mph (*No Flaps*) or 80mph (*Flaps*)

BALKED LANDING

1. Throttle -- FULL OPEN.
2. Carburetor Heat -- COLD.
3. Wing Flaps -- RETRACT TO 2nd NOTCH.
4. Airspeed -- 85M MPH.
5. Wing Flaps -- RETRACT (slowly).

NORMAL LANDING

1. Touchdown -- MAIN WHEELS FIRST.
2. Landing Roll -- LOWER NOSE WHEEL GENTLY.
3. Braking -- MINIMUM REQUIRED.

AFTER LANDING

1. Wing Flaps -- UP.
2. Fuel Pump/Unnecessary Equipment -- OFF.

SECURING AIRCRAFT

1. Parking Brake -- SET
2. Radios, Electrical Equipment -- OFF
3. Mixture -- IDLE CUT-OFF
4. Magnetos -- OFF
5. Master Switch -- OFF.
6. Control Lock -- INSTALL.
7. Tach/Hobbs Meter -- RECORD.

Piper Cherokee Airspeeds (MCAS)

Vr.....	65
Vx.....	74
Vy.....	85
Va.....	129
Vs1.....	63
Vso.....	54
Vfe.....	115
Vno.....	140
Vne.....	171
Glide	85
XW demo.....	15