

Piper Cherokee PA-28-180 N8338W

INTERIOR	
Flaps	- Extend
Master	- On
Pitot Heat	- Test
Stall Indicator	- Test
Lights	- Check
Fuel Gauges	- Verify
Master	- Off

EXTERIOR INSPECTION	
Door	- Hinges, latches
Right Wing: Check	
Flaps	- Hinges, screws
Aileron	- Hinges, screws
Wingtip	- Light, condition
Fuel Sump	- Quality
	- No leaks
Fuel Quantity	- Check
	- Cap Secure
Tie Down	- Remove
Strut	- 4.5" extension
Wheel	- General Condition
	- Inflation
Brake	- Pad wear
	- No hyd leak

Nose	
Oil Qty	- Min 2 Qts (5 rec)
	- Door secure
Cowling	- Secure
Belt	- Tension, Condition
Strut	- 3.25" extension
Tire	- Condition, inflation
Propeller	- No nicks, dents
Air intakes	- Clear
Windshield	- Clean, clear
Fuel Sump	- Quality
Exhaust	- Secure

Left Wing: Check	
	Same as Right
	Pitot Vane

Tail	Condition of:
	- Beacon
	- Rudder
	- Stabilator
	- Trim tab
	- Tie Down Removed

Fuselage	- Condition
	- Top Surface
	- Underside

Antennas	- Secure
Baggage	- Check
Door	- Secure

BEFORE ENTERING AIRCRAFT	
Flaps	- Symmetric
Tie Downs	- Removed
Tow Bar	- Removed
Chocks	- Removed
Taxi Route	- Clear
Prop Blast	- Clear

INTERIOR	
Passengers	- Brief
Hobbs/Tach	- Record
Fuel Selector	- Desired Tank
Circuit Breakers	- In
Brakes	- Check pressure
Seat Adjustment	- Locked
All Avionics	- Off
Carb Heat	- Off
Beacon	- On

START	
Mixture	- Full Rich
Throttle	- Slight
Primed	- As Required
Brakes	- Set / Hold

Propeller	- Clear
Master	- On
Fuel Pump	- On
Mags	- Both
Start Button	- Start

After Start:	
Oil Pressure	- Indication
Fuel Pump	- Off
Fuel Pressure	- Check
Lights	- As Required
Mixture	- As Required

BEFORE TAXI	
Belts/Harness	- Secure
Flaps	- Up
Heat / Vents	- As Required
Avionics	- On, Set
Transponder	- ALT
ATIS/AWOS	- Obtain
Altimeter	- Set
Attitude Indic.	- Set
Hdg Indicator	- Compass
Brakes	- Check

RUNUP	
Brakes	- Set / Held
Throttle	- 2000 RPM
Mag Check	- ~125 drop
Carb Heat	- Check
Vacuum	- Check 5 ±.1
Ammeter	- Check
Fuel Pressure	- Check
Oil Check	- Pressure
	- Temp
Throttle	- Idle Check
Throttle Friction	- As desired

BEFORE TAKEOFF	
Fuel	- Desired Tank
Fuel Pump	- On
Carb Heat	- Off
Pitot Heat	- As Required
Flaps	- As Desired
Trim	- Takeoff
Flight Controls	- Free & Correct
Instruments	- Check
Transponder	- Code
Primer	- In & Locked
Doors/Windows	- Secured
Brief	- Accomplish
Landing Light	- As Desired

TAKEOFF	
Throttle	- Full
	- 2300 RPM Min
Oil Pressure	- Rise
Flaps	- Up

CLIMB	
Climb	- 100 MPH cruise
Power/Mixture	- As Required
Fuel Pump	- Off
Landing Light	- Off

CRUISE	
Power/Mixture	- As Required
Instruments	- Check
Fuel Tank	- As Required

DESCENT	
Mixture	- Rich
Carb Heat	- As Required
Fuel Tank	- As Required
ATIS/AWOS	- Obtain
Instruments	- Check

BEFORE LANDING	
Landing Light	- On
Belts/Harness	- Secure
Mixture	- Best Power
Carb Heat	- As Required
Fuel Pump	- On
Fuel Tank	- As Required
Flaps	- As Required

AFTER LANDING	
Flaps	- Up
Carb Heat	- Off
Fuel Pump	- Off
Lights	- Off
Pitot Heat	- Off
Trim	- Takeoff

SHUTDOWN	
Avionics	- Off
Mixture	- Idle cutoff
Mags	- Off after prop stop
Master	- Off
Hobbs/Tach	- Record
Secure Aircraft	

Close Flight Plan	
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POWER LOSS AFTER TAKEOFF

Best Glide - 80 MPH
 Secure Engine
 Mixture - Cutoff
 Fuel Pump - Off
 Fuel Selector - Off
 Mags - Off
 Flaps - As Required
 Master - Off
 Doors - Unlatch

POWER LOSS IN FLIGHT

Best Glide - 80 MPH
 Prepare for Landing
 Attempt Restart
 Carb Heat - On
 Mixture - Full Rich
 Fuel Pump - On
 Primer - In/Locked
 Fuel Selector - On
 Magnetos - Both
 Master - On
 Forced Landing - Accomplish

ENGINE FIRE IN FLIGHT

Secure Engine
 Mixture - Idle Cutoff
 Fuel Pump - Off
 Fuel Selector - Off
 Mags - Off
 Cabin Heat / Air - Off
 Master - Off
 Forced Landing - Accomplish

FORCED LANDING

Best Glide - 80 MPH
 Squawk - 7700
 ELT - On
 Secure Engine
 Mixture - Cut off
 Fuel Pump - Off
 Fuel Selector - Off
 Mags - Off
 Flaps - As Required
 Master - Off
 Doors - Unlatch

ELECTRICAL FIRE IN FLIGHT

All Electrics - Off
 Master Switch - Off
 Cabin Heat / Air - Off
 If electrics required to recover:
 Master - On
 Equipment:
 - On, one at a time

ENGINE FIRE DURING START

Continue Cranking Engine
 If engine **no** start:
 Continue Cranking Engine
 Mixture - Cutoff
 Fuel Selector - Off
 Throttle - Max
 Mags - Off
 Master - Off
 Aircraft - EVACUATE
 If engine starts
 Run / Shutdown / Inspect

Aircraft Data	
Vrotate	55 mph
Vx	74 mph
Vy	85 mph
Vs0	57 mph
Vs1	67 mph
Glide (max gross)	
	80 mph
Vne	171 mph
Vfe	115 mph

Final	85 mph
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