

Piper Cherokee 180C

Cherokee N8380W



FORBES
AVIATION

Before Start

Pre-Flight.....Complete
Pass Briefing.....Complete
Seat Belts.....Set
Brakes.....Tested
Circuit Breakers.....All In
Elec. Equip.....Off
Avionics Master.....Off
Carb. Heat.....Off
Fuel Selector.....Desired Tank

Engine Start

Brakes.....Set
Throttle.....1/4" Open
Prime.....As Needed
Primer.....Locked
Master.....On
Beacon.....On
Fuel Pump.....On
Mixture.....Rich
Prop Area.....Clear
Ignition.....Start
Throttle.....1000RPM
Oil Pressure.....Check
Fuel Pressure.....Check
Mixture.....Lean
Avionics.....On
Transponder.....Alt/1200
Fuel Pump.....Off

Pre Taxi

Taxi Area.....Clear
Airport Diagram.....Check
Landing Light/Strobe.....On
Brakes.....Check
Instrument Test.....Check

Run Up

Brakes.....Set
Blast Area.....Clear
Cabin Door.....Latched
Flight Controls.....Check
Trim Wheel.....Set Takeoff
Mixture.....Rich
Throttle.....2000 RPM
Flight Instruments.....Check
Oil Temp.....Check
Oil Pressure.....Check
Magneto.....Check
..(125 RPM max/50 RPM Max diff)
Carb. Heat.....Check
Throttle.....800-1000RPM
Mixture.....Lean

Pre Takeoff Vr +/- 69MPH/60KIAS

Airspeed (Vy).....85MPH/74KIAS
Airspeed (Vx)Flaps 25°74MPH/65KIAS
Mixture.....Rich
Fuel Pump.....On
Fuel Pressure.....Check

Climb

Flaps.....As Req.
Fuel Pump.....On
Mixture.....Lean as Req
Lights.....As Req.
Cruise Climb Speed..100MPH/87KIAS

Cruise

Fuel Pump.....Off
Fuel Pressure.....Check
Mixture.....Lean

Pre-Landing

Fuel Pump.....On
Mixture.....Rich
Seatbelts.....On
Landing light.....On
Carb Heat.....As Req.
Fuel Selector.....Fullest Tank
Flaps.....As Req.
0° Approach 85 MPH/74KIAS
40° Approach 76 MPH/66KIAS
GUMPS - Gas Undercarriage Mixture Prop
Switches/Seatbelts

After Landing

Flaps.....Up/Retract
Carb Heat.....Off
Fuel Pump.....Off
Landing light.....As Req.
Taxi lights.....On
Strobes.....Off
Mixture.....Lean as Req.

Securing the Plane

ELT (121.5).....Check
Squawk.....1200
Lights (Except Beacon).....Off
Avionics.....Off
Throttle.....Cut-Off
Mixture.....Idle
Ignition.....Off
Master Switch.....Off
Flight Controls.....Locked
Hobbs/Tach.....Record
Sun Shade/Cover.....Check
Engine Covers/Plug.....Check
Doors.....Locked
Tie Down/Chalks.....Check

Additional Information

POH INFORMATION

VR **60MPH** VNO **140MPH**
VY **85MPH** VNE **172MPH**
VX **74MPH** VG **80MPH**
VFE **115MPH** Vso **57MPH**
VA **129MPH** Vs1 **67MPH**

Short Field Takeoff

25° of Flaps (2nd Notch)

60MPH until clear of obstacle

CRUISE	RPM	KNOTS	Fuel
2,000 FT	2540 RPM	132 MPH	9.0 GPH
4,000 FT	2580 RPM	136 MPH	9.0 GPH
6,000 FT	2620 RPM	142 MPH	9.0 GPH
8,000 FT	2600 RPM	137 MPH	9.0 GPH

Soft Field Takeoff

25° of Flaps (2nd Notch)

Ground effect then climb out at **60MPH**

Wx: 208-388-4640/123.9

Clearance: 125.9

Ground: 121.7

Tower: 118.1/119.0 (secondary)

Big Sky: <15NM 119.6/125.5

>15NM 126.9

EMERGENCY PROCEDURES FOUND ON OTHER SIDE

Piper Cherokee 180

Emergency Aircraft Checklist



Failure During Takeoff

Airspeed.....80MPH
 Fuel Selector.....Fullst Tank
 Fuel Pump.....On
 Mixture.....Rich
 Carb. Heat.....On
 Engine Gauges.....Check
 Primer.....In and Locked
 Master Switch.....On
 Ignition.....On

IF NO RESTART.

Go To "Power Off Landing"

Electrical Fire

Master Switch.....Off
 Alternator Switch.....Off
 Cabin and Vents.....Closed
 Cabin Heat.....Off
 Land.....A.S.A.P.

Power Off Landing

Airspeed.....80MPH
 Landing Location.....Locate
 Radio.....Mayday 121.5
 ELT.....On
 Squawk.....7700
 Seat Belts.....Secure
WHEN LANDING IS PLANNED.
 Mixture.....Cut-Off
 Fuel Selector.....Off
 Ignition.....Off
 Master Switch.....Off
 Flaps.....As Req.
 Fuel Selector.....Fullst Tank
 Door.....Unlatched

Failure in Flight

Airspeed.....80MPH
 Landing Location.....Locate
 Fuel Selector.....Fullst Tank
 Fuel Pump.....On
 Mixture.....Rich
 Carb. Heat.....On
 Engine Gauges.....Check
 Primer.....In and Locked

IF NO FUEL PRESSURE.

Fuel Tank.....Verify has Fuel

IF POWER IS RESTORED.

Carb. Heat.....Off
 Fuel Pump.....Off

IF NO RESTART.

Go To "Power Off Landing"

Fire During Start

Starter.....Crank Engine
 Mixture.....Idle Cut-Off
 Throttle.....Open
 Fuel Pump.....Off
 Fuel Selector.....Off
 If Fire Continues.....EVACUATE

Spin Recovery

Throttle.....Idle
 Ailerons.....Neutral
 Rudder.....Full Opposite
 Yoke.....Forward
ONCE ROTATION STOPS.
 Rudder.....Neutral
 Yoke.....As Req.

This checklist is derived from Piper Cherokee 180D POH. PIC is responsible to reference POH, FAR/AIM etc.
 The PIC is responsible for compliance with laws and best practices.

Alternator Failure

Circuit Breakers.....Check
 Alternator Switch.....Off
 Wait.....5 Seconds
 Alternator Switch.....On
IF NO OUTPUT.
 Alternator Switch.....Off
 Electrical Load.....Reduce

Engine Fire In-Flight

Fuel Selector.....Off
 Throttle.....Closed
 Mixture.....Idle
 Fuel Pump.....Off
 Heater.....Off
 Defroster.....Off
 Airspeed.....130MPH
 Go To "Power Off Landing"

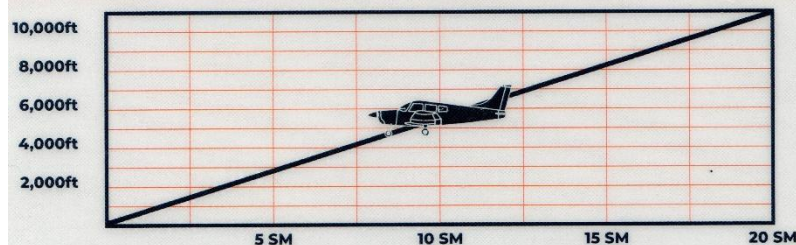
Loss of Fuel Pressure

Fuel Pump.....On
 Fuel Selector.....Fullst Tank

Engine Roughness

Carb. Heat.....On
IF ROUGHNESS PERSISTS >1 MIN.
 Carb. Heat.....Off
 Mixture.....Adjust as Req.
 Fuel Pump.....On
 Fuel Selector.....Switch Tank
 Engine Gauges.....Check
 Magneto.....Left—Right—Both
CONTINUE ON BEST MAGNETO.
 Land.....A.S.A.P.

Glide Ratio at a Glance 9:1



Speed: 80 MPH
 Flaps: Up
 Weight: 2400 LBS
 Wind: 0 Knots

Regular Procedures on Other Side