

Piper Cherokee 235

Cherokee N8831W



FORBES
AVIATION

Before Start

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

Engine Start

Throttle.....1/4" Open
Master.....On
Beacon.....On
Fuel Quantity.....on JPI Monitor
Fuel Pump.....On/Prime
Mixture.....Full Rich
Prop Area.....Clear
Starter.....Engage
Mixture.....Lean
Throttle.....1000RPM
Oil Pressure.....Check
Avionics.....On

Hot Start

Throttle.....1/2" Open
Fuel Pump.....On
Mixture.....Idle cut-off
Starter.....Engage
Mixture.....Advance

Pre Taxi

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

Run Up

Blast Area.....Clear
Cabin Door.....Latched
Flight Controls.....Check
Trim Wheel.....Set Takeoff
Mixture.....Rich
Throttle.....1800 RPM
Flight Instruments.....Check
Vacuum Gauge.....4.9-5.1"Hg
Oil Temp/Pressure.....Check
Magneto.....Check
..(125 RPM max/50 RPM Max diff)
Carb. Heat.....Check
Throttle.....1000RPM
Mixture.....Lean

Pre Takeoff (VR60KIAS/70MPH)

Airspeed (Vy).....100MPH/87KIAS
Airspeed (Vx).....78MPH/90KIAS
Mixture.....Rich
Fuel Pump.....On

Climb

Cruise Climb.....115MPH/87KIAS
Fuel Pump.....On
Lights.....As Req.
Mixture.....Lean as needed

Cruise

Max Power.....75%
Fuel Pump.....Off
Fuel Pressure.....Check
Mixture.....Adjust/Lean
EGT Temps Approx.....1500-1550

Pre-Landing (~70MPH)

Seatbelts.....On
Landing light.....On
Fuel Pump.....On
Fuel Selector.....Fulllest Tank
Mixture.....Rich
Carb Heat.....As Req.
Flaps.....As Req.
40° - Approach 90MPH/78KIAS
Touchdown.....~70MPH
GUMPS - Gas Undercarriage Mixture
Prop Switches

After Landing

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

Securing the Plane

Lights (Except Beacon).....Off
Avionics.....Off
Throttle.....Cut-Off
Mixture.....Idle — Cut-Off
Ignition.....Off
Master Switch.....Off
Hobbs/Tach.....Record
(2nd & 3rd button on JPI hold down)
Flight Controls.....Locked
Sun Shade.....Check
Engine Covers/Plugs.....Check
Doors.....Locked
Tie Down/Chalks.....Check

Additional Information

VR 70MPH/60KIAS VNO 156MPH/135KIAS
Vy 100MPH/87KIAS VNE 197MPH/171KIAS
Vx 90MPH/78KIAS VG 95MPH/82KIAS
VFE 115MPH/100KIAS Vs0 60MPH/52KIAS
VA 138MPH/120KIAS Vs1 70MPH/61KIAS

Short Field Takeoff
25° of Flaps (2nd Notch)
Acc to 50-60 to break ground
90MPH until clear of obstacle
100MPH climb out

Soft Field Takeoff
25° of Flaps (2nd Notch)
Acc to 50-60 to break ground
100MPH climb out

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 235

Emergency Aircraft Checklist



Failure During Takeoff

Airspeed.....95MPH/82KIAS
 Fuel Selector.....Fullst Tank
 Fuel Pump.....On
 Mixture.....Rich
 Carb. Heat.....On
 Engine Gauges.....Check
 Master Switch.....On
 Ignition.....On
IF NO RESTART.
 Go To "Power Off Landing"

Electrical Fire

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

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.

Failure in Flight

Airspeed.....95MPH/82KIAS
 Landing Location.....Locate
 Fuel Selector.....Fullst Tank
 Fuel Pump.....On
 Mixture.....Rich
 Carb. Heat.....On
 Engine Gauges.....Check
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

Alternator Failure

Circuit Breakers.....Check
 Alternator Switch.....Off/On 1 sec
 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.....120KIAS
 Go To "Power Off Landing"

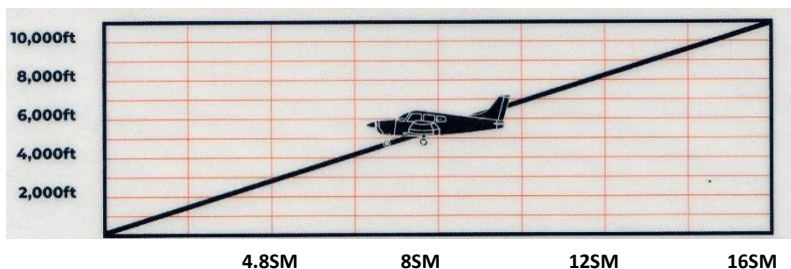
Power Off Landing

Airspeed.....95MPH/82KIAS
 Landing Location.....Locate
 Radio.....Mayday 121.5
 ELT.....On
 Squawk.....7700
 Seat Belts.....Secure
WHEN LANDING IS PLANNED
Determine Gear up or Down.
 Mixture.....Cut-Off
 Fuel Selector.....Off
 Ignition & Master.....Off
 Flaps.....As Req.
 Door.....Unlatched

Loss of Fuel Pressure

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

Glide Ratio at a Glance (1.6sm/1,000ft altitude)



Flaps/Gear:	Speed:
Up	95MPH /82 KIAS
Wind:	Weight:
0 Knots	2900 LBS

This checklist is derived from Piper CHEROKEE PA2-28-235 POH. PIC is responsible to reference POH, FAR/AIM etc. The PIC is responsible for compliance with laws and best practices.

Regular Procedures on Other Side