

Piper Cherokee 140 Checklist

Note: Info for reference only. Use at own risk/
use POH for detailed info. (Revised 11/11/13)

PREFLIGHT INSPECTION

A.R.O.W Documents.....AVAILABLE
Master Switch.....ON
Fuel Quantity.....CHECK
Master Switch.....OFF
Flaps.....DOWN
Tach/Hobbs Time.....RECORDED

Walk Around.....COMPLETE

BEFORE START

Flaps.....UP
Seats/Belts.....LOCKED/ON
Avionics Master.....OFF
Parking Brake.....SET
Controls.....CHECK/CORRECT
Circuit Breakers.....CHECK/IN

ENGINE START

Master Switch.....ON
Anti-Collision Beacon.....ON
Mixture.....FULL RICH
Fuel Pump.....ON
Fuel Pressure.....CHECK
Carb Heat.....OFF
Prime.....AS REQUIRED
Throttle.....OPEN ¼"
Propeller Area.....CLEAR
Ignition Switch.....START/PUSH
Oil Pressure.....CHECK
Engine.....1000 RPM
Fuel Pump.....OFF
Avionics Master.....ON
Transponder.....STBY/1200
Flight Instruments.....SET
Taxi Brief.....COMPLETE

TAXI

Mixture.....LEAN TAXI
Landing Light.....ON
Nav Lights.....AS REQUIRED
Brakes.....CHECK

RUN-UP

Parking Brake.....SET
Landing Light.....OFF
Flight Instruments.....CHECK/SET
Mixture.....RICH
Throttle.....2000 RPM
Engine Gauges.....GREEN
Magnetos.....175 RPM/50 RPM DIF
Vacuum Gauge.....4.9-5.1
Carb Heat.....ON
Throttle.....IDLE w/CARB HEAT
Throttle.....1000 RPM
Carb Heat.....OFF

BEFORE TAKEOFF

Trim.....SET
Fuel Pump.....ON
Fuel Selector.....FULLEST TANK
Mixture.....FULL RICH
Carb Heat.....OFF
Parking Brake.....OFF
Doors.....CLOSED/LOCKED
Flaps.....SET T/O
Landing Light.....ON
Transponder.....ALT
Departure Brief.....COMPLETE

NORMAL TAKEOFF

Flaps.....UP (<3000' 10°)
Rotate.....65 MPH
Climb.....85 MPH

SHORT FIELD TAKEOFF

Flaps.....25°
Rotate.....65 MPH
Climb.....74 MPH (clear obstacles)
Climb.....85 MPH
Flaps.....POSITIVE RATE/UP

SOFT FIELD TAKEOFF

Flaps.....25°
Rotate.....SOON AS POSSIBLE
Ground Effect.....UNTIL 74/85 MPH
Climb.....74/85 MPH
Flaps.....+ RATE/UP

CLIMB

Fuel Pump.....1000' AGL/OFF
Mixture.....>3000'/LEAN
Trim.....ADJUST/SET

CRUISE

Power.....2200/2600 RPM
Trim.....SET
Fuel Selector.....FULLEST TANK
Landing Light.....OFF

DESCENT

Engine Instruments.....GREEN
Landing Light.....ON
Fuel Pump.....ON
Mixture.....<3000'/RICH
Circuit Breakers.....CHECK/IN
Fuel Selector.....FULLEST TANK
Brakes.....CHECK PRESSURE
Seats/Belts.....LOCKED/ON
Parking Brake.....OFF

BEFORE LANDING

Flaps.....AS REQUIRED
Carb Heat.....ON
Gas.....FULLEST TANK/FUEL PUMP
Mixture.....FULL RICH

AFTER LANDING

Flaps.....UP
Mixture.....LEAN TAXI
Carb Heat.....OFF
Fuel Pump.....OFF
Transponder.....STBY/1200

SHUTDOWN/SECURING

Parking Brake.....ON
Avionics Master.....OFF
Lights.....OFF
Throttle.....1800 RPM
Mixture.....IDLE/CUT-OFF
Master.....OFF
Magnetos.....OFF/OUT
Chocks.....SET
Parking Brake.....OFF

ENGINE FAILURE TAKEOFF

Throttle.....IDLE
Brakes.....APPLY
Mixture.....IDLE/CUT-OFF
Ignition Switch.....OFF
Master.....OFF

ENGINE FAIL AFTER ROTATE

Airspeed.....70 MPH
Fuel Selector.....SWITCH TANKS
Fuel Pump.....ON
Mixture.....Full Rich
Carb Heat.....ON

ENGINE FAIL IN FLIGHT

Airspeed.....70 MPH
Carb Heat.....ON
Fuel Selector.....SWITCH TANKS
Mixture.....FULL RICH
Master Switch.....ON
Fuel Pump.....ON
Ignition Switch.....BOTH
Primer.....IN/LOCKED

LAND W/O ENGINE POWER

Airspeed.....70 MPH
Mixture.....IDLE/CUT-OFF
Fuel Selector.....OFF
Ignition Switch.....OFF
Master Switch.....OFF

ENGINE FIRE IN FLIGHT

Fuel Selector.....OFF
Throttle.....CLOSED
Mixture.....IDLE/CUT-OFF
Cabin Heat/Air.....OFF
Defroster.....OFF

PA28-140 "Cherokee" V SPEEDS

V _y85	V _x74
V _{ne}171	V _{no}140
V _a129	V _{fe}115
V _g70	V _{so}55
V _{si}64	V _r65