

Piper Cherokee 140

Nice Air

DO NOT REMOVE CHECKLIST FROM AIRCRAFT

NO SMOKING ALLOWED IN AIRCRAFT

CABIN

Documents.....AROW
Control Wheel.....Belts off
Master Switch.....ON
Beacon.....On/Check
Fuel Quantity.....Check level
Flaps.....Down
Master Switch.....OFF

EMPENNAGE/FUSELAGE

Control Surfaces.....Check
Tail tie Down.....Disconnect
Static vents.....Check

LEFT WING

Flap.....Check
Aileron.....Check free
Navigation Light.....Check
Fuel Qty.....Check Visually
Pitot Tube.....Check
Stall Warning.....Check
Wing Tiedown...Disconnect
Main Wheel Tire.....Check
Fuel Sump.....Drain/Check
Fuel Vent.....Check
Nav Light...Check for night

NOSE

Prop & Spinner.....Check
Air Inlets.....Check
Alternator belt.....Check
Nose Wheel.....Check
Nose Gear strut.....Check
Fuel Strainer.....Drain
Oil.....Check level
Cowling.....Secure
Landing light.....Check

RIGHT WING

Main wheel tire.....Check
Fuel Sump.....Drain/Check
Fuel Vent.....Check
Fuel Qty.....Check Visually
Wing Tie-down...Disconnect
Nav Light...Check for night
Aileron.....Check free
Flap.....Check

BEFORE ENGINE START

Preflight inspection.....Done
Seats & Belts.....Adjust/lock
Electrical & Avionics.....OFF
Breakers.....Check/IN
Fuel Selector...Desired tank

STARTING ENGINE

Prime.....8 times
Carb Heat.....OFF
Throttle..... $\frac{1}{2}$ " open
Mixture.....full rich
Electric fuel pump.....ON
Prop Area.....Clear
Master.....ON
Beacon.....ON
Starter.....engage
Throttle.....1000 RPM
Oil Pressure..... \checkmark in green
Mixture.....lean 1"
Fuel Pump.....OFF
Radios.....ON
Transponder.....Standby
ATIS.....obtain info

RHV Frequencies

ATIS.....125.20
Ground.....121.65
Tower.....119.80

V-SPEEDS (KIAS MAX GROSS)

V_R.....45-55
V_X.....66
V_Y.....75

Best Glide.....69
Approach.....65-75

V_A (2150 lbs).....114
(1650 lbs).....93

V_S.....41
V_{S1}.....50
V_{NO}.....124
V_{NE}.....155
V_{FE}.....101

BEFORE TAKEOFF CHECK

Parking brake.....set
Door.....Secure
Mixture.....Rich
Power.....2000 RPM
Magnetos.....Check
.....<175 Max Drop
.....<50 Max Difference
Carb Heat.....Check
Annunciator panel.....Test
Alternator.....OFF/ON check
Vacuum Gauge. \checkmark (4.8"-5.1")
Throttle...1000 RPM or less
Quadrant Friction.....Adjust
Controls.....Free/clear
Altimeter.....SET
Heading.....SET
Attitude.....SET
Oil Temp.....Check
Oil pressure.....Check
Fuel Selector...Fullest tank
Electric Fuel Pump.....ON
Fuel pressure.....Check
Radios.....Set

TAKEOFF

Fuel Pump.....ON
Flaps.....Set for takeoff
Lights.....As Needed
Mixture (below 3000')...Rich
Transponder.....ALT
Throttle.....Full Open
Rotate.....60 KIAS
Climb.....V_y 75 KIAS
Cruise Climb.....87 KIAS

CRUISE

Fuel Pump.....OFF
Fuel Pressure.....Check
Mixture.....Adjust
Fuel tank.....Manage

BEFORE LANDING

Seats & Belts.....Adjust/lock
Fuel Pump.....ON
Fuel Selector...Fullest tank
Mixture.....Rich
Flaps.....Set <101 KIAS
Landing Light.....As needed

LANDING

Approach.....60 KIAS
Flaps.....As required
GUMPS.....Check

AFTER LANDING

Landing Light.....OFF
Mixture.....1" Lean
Flaps.....UP
Transponder.....Standby
Trim.....Set for T/O
Fuel pump.....OFF

SHUTDOWN AIRPLANE

Electrical Equipment.....OFF
Avionics.....OFF
Mixture.....Idle Cutoff
Ignition.....OFF
Master Switch.....OFF

SECURING AIRPLANE

Control Wheel.....belt set
Wheel chocks.....SET
Wing tie downs.....Connect
Tail Tie Down.....Connect
Propeller.....Level & Inspect
Wheels/Brakes.....Inspect
Visual Inspection.....Done
Tach/HOBBS.....Record
Squawks.....Note if any
Tow bar.....Stow
Trash.....Remove all

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EMERGENCY CHECKLIST

FLIGHT

ENGINE FAILURE AFTER TAKEOFF

Airspeed.....69 KIAS
Fuel Selector.....OFF
Ignition switch.....OFF
Mixture.....Idle Cutoff
Master Switch.....OFF
Wing flaps.....As required

ENGINE FAILURE DURING FLIGHT

RESTART PROCEDURE IF ALTITUDE PERMITS

Airspeed69 KIAS
Fuel pump.....ON
Fuel Selector.....Fullest Tank
Mixture.....RICH
Carb Heat.....OPEN
Ignition.....Check on Both
.....Or start if prop stopped

FORCED LANDING WITHOUT POWER

Seats/BeltsSecure
Airspeed.....69 KIAS
Fuel Selector.....OFF
Ignition switch.....OFF
Master switch.....OFF
Mixture.....Idle cutoff
DoorsUnlatch & open prior to landing
Touchdown.....slightly tail low

FIRE ON GROUND

During start on ground.....continue cranking
If engine starts.....Power 1700 for 2 minutes
Engine.....Shutdown

If engine fails to start

Cranking.....Continue
Mixture.....Idle Cutoff
Throttle.....Full Open
Fuel pump.....OFF
Fuel selector.....OFF
Master.....OFF
Fire extinguisher.....Use

ENGINE FIRE IN FLIGHT

Fuel Selector.....OFF
Throttle.....closed
Mixture.....Idle Cut OFF
Electric Fuel Pump.....OFF
Heater & Defroster.....OFF
Forced Landing.....Execute

CABIN FIRE

Master Switch.....OFF
Vents/Cabin/Heat.....Closed
Land ASAP and inspect damage

ELECTRICAL FIRE IN FLIGHT

MasterOFF
Vents/Cabin Air/Heat.....OPEN
Cabin Heat.....OFF
Mastereach component ON one at a time

WING FIRE

Navigation Light Switch.....OFF
Pitot Heat.....OFF
Side slip to keep flames away from cabin & fuel tanks
Land.....Immediately

ELECTRICAL POWER SUPPLY MALFUNCTIONS

Ammeter shows excessive rate of charge

Alternator.....OFF
Non-essential electrical equipmentOFF
Flight.....Terminate as soon as possible

LOW VOLTAGE LIGHT ILLUMINATES

Radios.....OFF
Master SwitchOFF(both sides)
Master Switch.....ON
Low Voltage light.....check ON
If light is still on.....Terminate as soon as possible