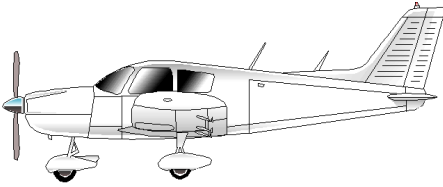


Checklist PA 28 - 140



Preflight Inspection

Required Documents AVAILABLE
Control Wheel RELEASE
Master Switch ON
Fuel Quantity Gauges CHECK
Master Switch OFF
Ignition Switch OFF
Flaps DOWN

Walk around

Flaps SECURE & UNDAMAGED
Aileron, Elevators, Rudder FREE
Wing Tips & Lights UNDAMAGED
Tiedown REMOVED
Fuel Tanks FULL, CAPS SECURE
Tank Drain . . CHECK WATER&COLOUR
Gears.....UNDAMAGED
Tires, 1.7 atü PROPERLY INFLATED
Chocks REMOVED
Windshield CLEAN & UNDAMAGED
Engine Oil Level 6.5 Qts. MIN, 8 Qts
MAX
Engine Oil Dipstick SECURED
Propeller & SpinnerUNDAMAGED
CowlingUNDAMAGED
Landing LightsUNDAMAGED
Alternator Belt PROPER TENSION
Pitot UNDAMAGED

Before Starting Engine

Flaps UP
Seats, Belts.....ADJUSTED, LOCKED
Door CLOSED&LATCHED
Radio, Electrical Equipment OFF
Parking Brake SET
Fuel Selector Valve FULLEST TANK
Circuits CHECK
Circuit Breakers CHECK

Engine Start

Master Switch ON
Anti-Collision-Beacon.....ON
MixtureFULL RICH
Fuel Pump ON
Fuel Pressure CHECK
Carburetor Heat OFF
Prime AS REQUIRED
Throttle OPEN ¼ INCH
Propeller CLEAR
Ignition Switch START
Oil Pressure CHECK
Engine WARM UP 1000 RPM
Radios ON
Transponder STANDBY

Taxi

Radio Communication.....ESTABLISHED
Turn CoordinatorTEST
BrakesTEST

Run-Up Before Takeoff

Parking BrakeSET
Lights AS REQUIRED
Flight Instruments SET
Flight Controls FREE & CORRECT
Throttle2000 RPM
Magnetos.(175rpm max drop, 50rpm diff.)
Carburetor Heat . ON, CHECK RPM, OFF
Engine Instruments IN GREEN ARC
Vacuum Gauge 4.9-5.1
Throttle 1000 RPM
Trim Tab SET TAKE-OFF
Mixture FULL RICH
Throttle Friction Lock ADJUSTED
Auxiliary Fuel Pump . . OFF, CHECK, ON
Parking Brake OFF
Transponder ON-ALT

Normal Takeoff

Flaps UP
Carburetor Heat OFF
Auxiliary Fuel Pump ON
Throttle FULL OPEN
Rotate **50-60 MPH**
Climb Speed **85 MPH**

Checklist PA 28 - 140

Short Field Takeoff

Flaps25° (Second Notch)
Carburetor Heat OFF
Auxiliary Fuel Pump ON
Throttle FULL OPEN
Rotate **55-63 MPH**
Initial Climb Speed **76 MPH**

Climb

300ft Ground.....RETRACT FLAPS
Landing Lights.....OFF
Normal Climb **85-100 MPH**
V_Y – Best Rate Climb Speed **85 MPH**
V_X – Best Angle Climb Speed **74 MPH**

Cruise

Electric Fuel Pump OFF
Power 2200-2600 RPM
Trim Tab SET
Mixture ADJUST
Fuel Selector SWITCH AS NEEDED

Before Landing

Seats, Belts,.....ADJUST, LOCK
Fuel Selector ON, FULLEST TANK
Mixture FULL RICH
Auxiliary Fuel Pump ON
Parking Brake OFF
Flaps .AS REQUIRED, BELOW 116 MPH
Airspeed **81 MPH**
Landing Light ON AS REQUIRED
Touch-Down-Speed (Flaps 40°)...**68 MPH**

After Landing

Flaps UP
Auxiliary Fuel Pump OFF
Landing Light OFF
Carburetor Heat OFF
Transponder STANDBY

Shut-Down, Securing Airplane

Electrical Equipment, Radios, Lights . OFF
Mixture IDLE CUT-OFF
Ignition OFF
Master Switch OFF

Emergency Procedures

Engine Failure During Takeoff Run

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

Engine Failure Immediately After Takeoff

Airspeed . MAINTAIN SAFE AIRSPEED
Fuel Selector Valve SWITCH TANKS
Electric Fuel Pump ON
Mixture RICH
Carburetor Heat ON

Engine Failure During Flight

Airspeed **80 MPH**
Carburetor Heat ON
Fuel Selector Valve SWITCH TANKS
Mixture RICH
Master Switch ON
Auxiliary Fuel Pump ON
Ignition Switch BOTH
Primer IN & LOCKED

Landing w/o Engine Power

Airspeed **80 MPH**
Radio MAYDAY on 121.5 MHz
Mixture IDLE CUT-OFF
Fuel Selector Valve OFF
Ignition Switch OFF
Master Switch OFF
Door OPEN

Engine Fire in Flight

Fuel Selector Valve OFF
Throttle CLOSED
Mixture IDLE CUT-OFF
Cabin Heat and Air OFF
Defroster OFF
Forced Landing EXECUTE