

Piper PA28-140 N1636H Checklists

Preflight

Master switch on
 Fuel gauges check
 Lights check
 Stall horn check
 Pitot heat check
Master switch off
 AROW Documents check
 Right flap check
 Right aileron check
 Fuel overflow check unplugged
 Right wing fuel sump drain
 Right fuel tank & quantity check
 Right wheel, tire, brakes check
Oil level 6 - 8 qts
 Propeller and spinner checked
 Air filter/cowling unobstructed
 Nose wheel & strut check
 Main fuel sump drain
 Left wing fuel sump drain
 Left fuel tank & quantity check
 Pitot/static tube unobstructed
 Left aileron check
 Left flap check
 Left wheel, tire, brakes check
 Stabilator check
 Antiservo tab hinges check
 Rudder hinge bolts check

Before Starting Engine

Preflight inspection complete
 Passenger briefing complete

*Seatbelts, Comfort (vents, heat),
 Fire Extinguisher, Emergency Exit*

Seats & belts adjust & secure
 Door & Window latched
 Parking brake set
 Avionics off
 Fuel selector fullest tank
 Elevator trim set for take off

Starting Engine

Carb heat cold
 Mixture rich
 Throttle cracked 1/4"
 Prime as needed (2-4 strokes)
 Propeller area clear
 Master switch on
 Electric fuel pump on
 Rotating beacon on
 Ignition switch engage*
 Oil pressure positive within 30 sec
 Electric fuel pump off
 Avionics on

***Don't crank for more than 10 seconds!**

If Engine Over-Primed/Flooded

Throttle Full open
 Mixture Full lean
 Electric fuel pump off
 Starter engage
 Mixture advance
 Throttle retard

Engine Fire During Start

Ignition continue cranking
Throttle full
Mixture idle cutoff
 Master switch off
 Electric fuel pump off
 Fuel selector off
 Ignition off
 Use fire extinguisher as needed

Taxi

Taxi & clearance lights on
 Parking brake released
 Brakes test
 Control position for wind direction
 Heading indicator normal operation
 Turn coordinator normal operation

Piper PA28-140 N1636H Checklists

Before Take Off Run Up

Parking brake set
 Controls free & correct
 Fuel selector fullest tank
 Mixture rich
 Throttle 2000 rpm
 Engine instruments check
 Magnetos check
 (max drop < 175, difference < 50 rpm)
 Carb heat check
 Vacuum 5.0" hg
 Annunciator panel press to test
 Throttle idle check
 Elevator trim set for take-off
 Cabin door closed & latched
 Seat belts secure
 Instruments rechecked
 Transponder set to ALT
 Parking brake released

Take Off & Climb

Landing lights on
 Electric fuel pump on
 Flaps 0°
 Throttle full power
 Take off roll – airspeed alive & engine instruments green
 Rotate 45-55 KIAS
 Climb Vx = 66 KIAS
 Vy = 75 KIAS
 Electric fuel pump off at altitude

Max Performance Take Off

Flaps 25°
 Brakes held
 Power full throttle
 Brakes released
 Climb (clear of obstacles) 66 KIAS
 Flaps retract above 200' AGL
 Electric fuel pump off at altitude

Engine Failure After Takeoff

PUSH!! forward yoke pressure
Airspeed (no flaps) 75 mph
 Mixture idle cut off
 Fuel selector off
 Master switch off
 Flaps 40° recommended
 Ignition switch off

Don't turn back!!

Cruise

Power 2000 - 2600 rpm
 (no more than 75% power)
 Mixture lean carefully
 Trim adjust
 Landing lights off

Switch Fuel Tanks

Check about every 1/2 hour
 Electric fuel pump on
 Switch tanks
 Electric fuel pump off

Engine Failure During Flight

Fly the airplane!!!
 Electric fuel pump on
 Fuel selector switch tanks
 Mixture rich
 Carb heat on
 Ignition switch both
 Primer in & locked
Airspeed 69 KIAS
Cabin door propped open
Prepare for off-field landing

Engine Fire in Flight

Fly the airplane!!!

Airspeed 100 KIAS
Mixture idle cutoff
Master switch off
Electric fuel pump off
Fuel selector off
Vents & windows closed
Cabin heat/defroster off
Cabin door propped open
Land immediately

Descent

Mixture enrich
Power as needed
Carb heat as needed

Before Landing

Fuel selector fullest tank
Electric fuel pump on
Mixture rich
Carb heat apply
Landing lights on
Seat belts secure
Airspeed (flaps up) 70 KIAS
Airspeed (" extended) 59 KIAS
Trim adjust

After Landing

(clear of the runway)

Flaps retract
Carb heat cold
Electric fuel pump off
Transponder standby
Trim set for take off
Landing light off
Taxi light as required

Shut Down & Securing Aircraft

Avionics off
Throttle 1000 rpm
Mixture idle cut-off
Ignition switch off
Lights all off
Master switch off
Brakes set

Important Information

Vr 45-55 KIAS
Vx 66 KIAS
Vy (at sea level) 75 KIAS
Va (at gross wt) 114 KIAS
Vfe 101 KIAS
Best Glide 69 KIAS

Gross weight 2150#
Utility Category 1950#
Empty weight 1437#
Useful load 713#
Empty Arm 85.2"
Fuel Capacity (usable) 49.6 gal
Fuel Capacity (at the tabs) 36 gal

Important Phone numbers:

Joan Johnson 503-559-4593
Al Gray 503-932-9374
Salem Tower 503-581-3571
Salem Air Fuel 503-364-4158
Flight Service 800-992-7433
Portland FSDO 503-615-3200

Property of:

Valley Flyers

Just Plane Fun

If Found, please call 503-559-4593, or

Email: info@valleyflyers.org

Mailing Address: 885 Lancaster Drive SE,

Suite D

Salem, OR 97317