

PIPER PA28-181 ARCHER NORMAL CHECKLISTS

PREFLIGHT INSPECTION

PREFLIGHT–Cabin

- Aircraft Cover Fold and store in Baggage Compartment
- Squawk Sheet Check for No-Go Items
- Flight Log Check previous, enter time
- A-R-O-W Papers Checked
- Control Lock Remove
- Magnetos Off
- Mixture Idle Cutoff
- Avionics / Electrical Off
- Master Switch On
- Fuel Gauges Check Quantity
- Beacon Check
- Exterior Lights / Pitot Heat Check
- Annunciator Lights Test
- Electric Gyros Spooling
- Master Switch Off
- Wing Flaps Down

PREFLIGHT–Right Wing

- Flap Check
- Elevator Check
- Wing Tip Check
- Wing Leading Edge Check
- Fuel Level Check
- Fuel Vent Check
- Fuel Sump Check
- Gear / Tire / Brake Check
- Tiedown Remove

PREFLIGHT–Nose

- Windshield Check Clean
- Engine Oil Check
- Alternator Belt Check
- Cowl (right side) Secure
- Exhaust Pipe Secure
- Propeller Spinner Check
- Propeller Check for nicks
- Air Intake Cover Remove
- Air Intake Check
- Brake Fluid Check
- Cowl (Left Side) Secure
- Nose Gear / Strut / Tire Check

PREFLIGHT INSPECTION CONT.

PREFLIGHT–Left Wing

- Fuel Sump Check
- Gear / Tire / Brake Check
- Tiedown Remove
- Fuel Vent Check
- Pitot Tube Check
- Wing Leading Edge Check
- Fuel Level Check
- Wing Tip Check
- Aileron Check
- Wing Flap Check
- Fuselage Check

PREFLIGHT–Empenage

- Stabilator Check
- Trim Tab Check
- Vertical Stabilizer Check
- Rudder Check
- Tiedown Remove
- Fuselage Check

PASSENGER BRIEFING

- No Step Areas
- Seat & Belt Adjustments
- No Touch Controls & Instruments
- I will close and lock door
- Emergency Exit Procedure
- Vent & Heat Locations
- Intercom Operation
- Quiet During Radio Calls
- Look for Traffic

PIPER PA28-181 ARCHER NORMAL CHECKLISTS

BEFORE START CHECKLIST

- Preflight & Passenger Briefing Complete
- Cell Phones Off
- Wing Flaps Up
- Seats / Belts / Harnesses Adjusted & Locked
- Fuel Selector Lowest Tank
- ELT Switch Verify In "AUTO/ARMED" Position
- Avionics Master Switch Off
- EFIS Master Off
- Circuit Breakers Check In
- Brakes Hold

STARTING ENGINE CHECKLIST

- Carburetor Heat Cold
- Mixture Rich
- Throttle Open 1/4 Inch
- Prime 4 Strokes, Lock
- Master Switch On
- Anti-Collision Light On
- Fuel Pump On (Check Pressure)
- Propeller Area CLEAR
- Ignition Switch Turn & Push In
- Throttle 1,000 RPM Max
- Oil Pressure Check
- Fuel Pump Off
- Fuel Pressure Check
- Mixture Lean For Taxi

AFTER START CHECKLIST

- Avionics Master Switch On
- EFIS Master On
- GPS Check Database Currency, Press ENT
..... Check CDI, Press ENT
- ATIS Obtain
- Altimeter Set
- EFIS Set BARO
- Transponder STBY

TAXI CHECKLIST

- Brakes Test
- Turn Coordinator, Attitude Indicator, HI Operating

BEFORE TAKEOFF CHECKLIST

- Parking Brake Set
- Flight Instruments Set & Checked
- Flight Controls Free & Correct
- Fuel Selector Fullest Tank
- Electric Trim Switch ON
- Elevator and Rudder Trim Set
- Mixture Rich
- Throttle 2000 RPM
 - Magnetos Check (125 RPM Max Drop)
 - Carburetor Heat On, Check for RPM Drop, Off
 - EFIS Check Voltage
 - Alternator Load Check with Ldg Lite
 - Engine Gauges Check
 - Electric Fuel Pump On, CK Fuel Press Increase, Off
 - Annunciator Panel Press to Test
 - Throttle 1000 RPM
- Flaps 0°-25°
- Radios Set
- Doors and Windows Closed & Latched
- Fuel Pump On
- Parking Brake Release

CLEARED FOR TAKEOFF

- Departure Time Record
- Instruments Check
- Transponder ALT
- Landing Light On

NORMAL TAKEOFF

- Power Full Throttle
- Rotate 55 KIAS
- Vy 76 KIAS
- Flaps Retract at 300 ft AGL
- Climb Speed 90 KIAS
- Fuel Pump Off at 1000 ft AGL

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AFTER TAKEOFF CHECKLIST

- Oil Pressure Check
- Fuel Pump Off (Above 1,000 feet)
- Fuel Pressure Check
- Flaps Up

CRUISE CHECKLIST

- Engine Gauges Green
- Landing Light Off
- Power Set per AFM
- Mixture 50 degrees rich of peak EGT
- Fuel Tank (each 1/2 / 1 hour) Switch

DESCENT CHECKLIST

- Seats & Belts Secure
- Fuel Selector Fulllest Tank
- Mixture Enrich
- Engine Gauges Green
- Avionics Set
- EFIS Set BARO/Minimums
- Aircraft Lights As Required
- Pitot Heat As Required

BEFORE LANDING CHECKLIST

- GUMPS check Complete
- Fuel Pump On
- Fuel Selector Fulllest Tank
- Landing Light On
- Seat Belts / Harnesses On
- Flaps As Required
- Mixture Rich (Below 3000' MSL)
- Carburetor Heat As Required
- Normal Approach 66 KIAS
- Short / Soft Field Approach 55 KIAS

GO AROUND

- Power Full Throttle
- Carburetor Heat Off
- Wing Flaps 1st Notch
- Wing Flaps Up
- ATC Advise

AFTER LANDING CHECKLIST

- Exterior Lights As Required
- Fuel Pump Off
- Pitot Heat Off
- Carburetor Heat Off
- Transponder STBY
- Mixture Lean for taxi
- Wing Flaps Up
- Elevator Trim Takeoff

PARKING CHECKLIST

- Avionics Master Off
- EFIS Master Off
- Panel Lights Off
- Mixture Idle Cutoff
- Master Switch Off
- Magneto Switch Off
- Cabin Air Closed
- Hobbs / Tach Time Record

SECURING AIRCRAFT CHECKLIST

- Master Switch Off
- Seat Belts Straightened
- Garbage Removed from cabin
- Wing Flaps Up
- Air Inlet Closed on both sides
- Control Wheel Secure with seatbelt
- Cabin Door Locked
- Cargo Door Locked
- Aircraft Covers & Intake Covers Installed
- Tiedowns Secured
- Cell Phones On

PIPER PA28-181 ARCHER EMERGENCY CHECKLIST

*FLY THE AIRPLANE – SILENCE THE WARNING –
CONFIRM THE EMERGENCY*

ENGINE FAILURE DURING TAKEOFF

- Throttle Closed
- Brakes Apply
- Mixture Idle Cutoff
- Ignition Switch Off
- ATC Advise
- Master Switch Off

ENGINE FAILURE AFTER TAKEOFF

- Airspeed Safe Airspeed
- Flaps Up
- Mixture Rich
- Carburetor Heat On
- Fuel Pump On
- Fuel Selector Switch Tanks
- ATC Advise

ENGINE FAILURE IN FLIGHT

- Airspeed 76 KIAS
- Carburetor Heat On
- Mixture Rich
- Master Switch On
- Fuel Pump On
- Fuel Selector Switch Tanks
- Magnetos L, R, Both
- Primer Locked
- Ignition Switch Restart
- ATC Advise

LANDING WITHOUT ENGINE POWER

- Airspeed 76 KTS
- Transponder 7700
- COM Radio MAYDAY on 121.50
- ELT On

Below 500 ft.

- Mixture Idle Cutoff
- Master Switch Off
- Magnetos Off
- Fuel Selector Off
- Flaps As Needed
- Cabin Door Ajar
- Airspeed 66 KIAS
- Touchdown As slow as possible
- Aircraft Evacuate

GPS FAILURE

- RSM GPS Fail IGNORE
- Garmin GPS Fail Use RSM Reversion GPS

ENGINE FIRE

During Start:

- Continue Cranking Engine

If Engine Starts:

- Run a few seconds. Shutdown. Inspect

If No Start:

- Mixture Idle Cutoff
- Fuel Selector Off
- Throttle Full Open
- Engine Crank a few seconds
- Master & Mags Off
- EVACUATE AIRCRAFT

In Flight :

- Fuel Selector Off
- Throttle Closed
- Mixture Idle Cut-off
- Magnetos Off
- Cabin Heat & Air Off
- ATC Advise
- LAND AT NEAREST SUITABLE AIRPORT

ELECTRICAL FIRE

- Master Switch Off
- Cabin Heat and Air Off
- Circuit Breakers Check
- All Electrical Switches Off
- If electrical power required:
 - Master Switch On
 - Electrical Switches On 1 at a time
- ATC Advise

ALTERNATOR-LOW VOLTAGE

- Electrical Load Reduce
- Alternator Circuit Breaker Verify In
- ALT Switch Off then On
- If unable to restore alternator:**
 - ALT Switch Off
- LAND AT NEAREST SUITABLE AIRPORT

PFD FAILURE

- Scan Standby Instruments
- Flight Attitude Straight & Level
- MENU Select Page 1
- AHRS RESET Push Twice
- MENU Press to Exit

ELECTRICAL FAILURE-EFIS ON BAT

- MENU Select Page 6
- Ext PWR Check Voltage
- BAT Status CHECK
- MENU Press to Exit
- Master Switch Recycle