



PA28R-200 ARROW Preflight Checklist



Italicized items have been added

Vol. 2

PREFLIGHT

CABIN

Pitot Tube Cover.....REMOVE
Registration/Airworthiness.....CHECK
POH/Weight & Balance.....CHECK
Parking Brake.....SET
Ignition Switch.....OFF/KEYS VISIBLE
Avionics Master.....OFF
Landing Gear Switch DOWN
Throttle.....IDLE
Mixture.....IDLE/CUT-OFF
Master.....ON
 Beacon.....ON
 Pitot Heat.....CHECK
 Fuel Qty.....CHECK
 Flaps.....DOWN
 Ldg/Taxi/Nav/Strobe.....CHECK
 Avionics Cool. Fan.....CHECK
 Annunciators.....TEST/CHECK
Master.....OFF
Elevator Trim.....Set T/O
Fuel Selector.....SET FULLEST TANK
Fuel Shutoff.....CHECK/ON (push in)
Alt. Static.....OFF (push in)
Fire Extinguisher.....CHECK

RIGHT WING

Fuel Quantity/Cap.....CHECK/SECURE
Fuel Tank Sump Valves.....DRAIN
Fuel System Vents OPEN
Flap.....CHECK
Aileron.....CHECK
Wing Tip/Lights.....CHECK
Leading Edge.....CHECK
Landing Gear shock strut >2 inches
Tire/Brakes.....CHECK
Wing Tie Down.....REMOVE

NOSE

Propeller/Spinner.....CHECK
Oil Dipstick.....CHECK (>=6 qts)
Cowling SECURE
Nose gear.....CHECK
Air Inlet CHECK
Fuel Sump.....DRAIN

LEFT WING

Fuel Quantity/Cap.....CHECK/SECURE
Fuel Tank Sump Valves.....DRAIN
Fuel System Vents OPEN
Flap.....CHECK
Aileron.....CHECK
Wing Tip/Lights.....CHECK
Leading Edge.....CHECK
Landing Gear shock strut >2 inches
Tire/Brakes.....CHECK
Wing Tie Down.....REMOVE

EMPENNAGE

Control Surfaces.....CHECK
Trim Tabs.....CHECK
Antennas/Static Wicks.....CHECK
Tail Tie Down.....REMOVE
Baggage Door.....CHECK/LOCK



PA28R-200 ARROW Normal Checklist



Vol. 2

Italicized items have been added

BEFORE START

Preflight Inspection..... COMPLETE
Passenger Briefing..... COMPLETE
Seats/Seat Belts..... ADJUST/LOCK
Brakes..... TEST/SET
Circuit Breakers..... CHECK IN
Electrical Equipment..... OFF
Flashing Beacon.....
Avionics Master..... OFF
Fuel Selector..... FULLEST TANK

ENGINE START

Propeller Control..... FORWARD/FULL
Throttle..... OPEN (1/2")
Master..... ON
Propellor Area..... CLEAR

COLD START:

Mixture..... FULL RICH
Electric Fuel Pump..... ON 1-3 SEC.
Mixture..... IDLE/CUTOFF
Ignition Switch..... ENGAGE
Throttle..... 1000 RPM

HOT START/FLOODED START:

Fuel Pump..... OFF
Mixture..... IDLE/CUTOFF
Throttle..... FULL FORWARD
Ignition Switch..... ENGAGE
Mixture..... FULL RICH
Throttle..... 1000 RPM

AFTER START:

Oil Pressure..... GREEN ARC
LOW VOLTS Annunciator..... CHECK/OUT
Mixture..... LEAN AS REQ'D

BEFORE TAXI

Avionics Master..... ON
Radios/Electrical Equip..... ON
Lights..... AS REQ'D
Flight Instruments..... CHECK/SET
Flaps..... UP

RUN UP

Parking Brake..... SET
Flight Controls..... FREE/CORRECT
Fuel Quantity..... CHECK
Fuel Selector..... FULLEST TANK
Mixture..... FULL RICH
Propeller..... FULL FORWARD
Warm Engine..... 1400-1500 RPM (1 MINUTE)
Throttle..... 2000 RPM
Oil Temp/Pressure..... CHECK
Engine Inst/Ammeter/Annunciators..... CHECK
Magnetos..... (175 Max/50 Diff)
Vacuum Gauge..... CHECK (GREEN @2000RPM)
Propeller Control..... CYCLE (MAP,RPM,OP)
Cold weather cycle through 3 times to ensure warm oil has circulated through the system
Propeller Control..... SET FULL
Throttle Idle..... (675 Min)
Throttle..... 1000 RPM
Electric Fuel Pump..... OFF/TEST
Electric Fuel Pump..... ON
Mixture..... LEAN FOR TAXI
Instruments/Bugs..... CHECK/SET
Parking Brake..... RELEASED

FOULED SPARK PLUG/BURN OFF

Throttle..... 2000 RPM
Mixture..... LEAN TO PEAK EGT
RPM..... NOTE INCREASE (smoother running)
Mixture..... FULL RICH
Magnetos..... REPEAT CHECK

BEFORE TAKEOFF

Departure Briefing..... COMPLETE
Passenger Seat Backs..... UPRIGHT
Seats/Seat Belts..... CHECK SECURE
Cabin Door/Windows..... CLOSED/LATCHED
Flaps..... SET (0°-10°)
Elevator Trim..... SET T/O
Parking Brake..... VERIFY RELEASED
Fuel..... ON FULLEST TANK
Electric Fuel Pump..... ON
Engine Gauges..... CHECK
Instruments..... CHECK/SET
Master..... VERIFY ON
Alternate Air..... CLOSED
Prop..... FULL
Mixture..... FULL

CLIMB

Gear Up..... ONCE POSITIVE RATE OF CLIMB
Flaps..... UP
Climb Power & Propeller..... SET 2500² OR 2450² (500ft/min)
Airspeed..... AS REQ'D
Mixture..... AS REQ'D

CRUISE

Cruise power & Propeller..... SET 2400²
Trim..... AS REQ'D
Mixture..... LEAN AS REQ'D
Pilots' discretion, BUT lean at >3000ft
Fuel Tank..... SWITCH EVERY 30 MIN
Make sure fuel pump is ON while switching tanks
Lights..... AS REQ'D
Electric Fuel Pump..... OFF

DESCENT

Arrival Briefing..... COMPLETE
Seat Back..... ERECT
Seats/Seat Belts..... ADJUST/LOCK
Instruments/Bugs..... CHECK/SET
Fuel Selector..... ON FULLEST TANK
Fuel Pump..... ON
Mixture..... ENRICH AS REQ'D
Propeller..... SET (2600 RPM)
Lights..... AS REQ'D
Gear..... DOWN (120 MPH MAX)
Flaps..... AS REQ'D

AFTER LANDING

Flaps..... UP
Electric Fuel Pump..... OFF
Elevator Trim..... SET T/O
Mixture..... LEAN FOR TAXI
Lights..... AS REQ'D

SHUTDOWN

Parking Brake..... SET
Avionics Switch..... OFF
Radios/Electrical Equipment..... OFF
Lights..... AS REQ'D
Propeller..... INCREASE RPM
Throttle..... FULL AFT
Mixture..... IDLE/CUTOFF
Ignition Switch..... OFF
Master Switch..... OFF
Securing Aircraft Checklist..... PERFORM

FREQUENCIES

AAFC Unicom: 122.9 | VHF Guard: 121.5

St. Pete FSS: 122.4, 122.65 | 1-800-992-7433

KDAB

ATIS: 132.875 | Clearance: 119.3

Ground: 121.9 | Tower: 118.1/120.7

N. Dep/App: <=3500' 125.8 | >3500' 118.85

S. Dep/App: <=3500' 125.35 | >3500' 127.075

N. Practice Area: 122.85 | S. Practice Area: 123.5



PA28R-200 ARROW Emergency Checklist



Boldface items should be committed to memory

Italicized items have been added

Red items are WARNINGS

ENGINE FAILURE DUR. T/O ROLL

Directional Control.....MAINTAIN
Throttle.....IDLE
Brakes.....APPLY
Flaps.....RETRACT
Mixture.....IDLE/CUTOFF
Ignition Switch.....OFF
Master.....OFF

ENGINE FAILURE AFTER T/O

Gear Selector.....UP
Airspeed.....105 MPH (flaps + Gear UP)
Gear.....As Required
Throttle.....IDLE
Mixture Control.....IDLE/CUTOFF
Ignition Switch.....OFF
Fuel Selector.....OFF
Flaps.....AS REQUIRED
Transponder.....7700
Master.....OFF
Cabin Doors.....UNLATCH
Land.....STRAIGHT AHEAD

ENGINE FAILURE DUR. FLT.

Airspeed.....110 MPH
Flaps + Gear.....UP (If alt. Permits)
Landing Site.....SELECT
Fuel Selector.....Switch Tanks
Electric Fuel Pump.....ON
Mixture.....RICH
Alternate Air.....ON
Engine Gauges.....CHECK
If power is restored
Alternate Air.....OFF
Electric Fuel Pump.....OFF
If the engine fails to start:
Ignition.....BOTH or START (if prop stopped)
Mixture.....IDLE CUTOFF (slowly)
Throttle.....FULL FORWARD (slowly)
Ignition Switch.....BOTH (start)
If engine STILL fails to start:
Transponder.....7700
Radio.....121.5
Mayday.....ANNOUNCE
Forced Land. w/o Pwr. Checklist.....EXECUTE
Flaps + Gear.....UP (If alt. Permits)

LANDING GEAR FAILURE

Master.....CHECK ON
Circuit Breakers.....CHECK
GEAR LANDING BULBS.....CHECK
Airspeed.....REDUCE 110MPH
Landing Gear Selector... MOVE DOWN POSITION

IF GEAR FAILED TO LOCK:

Backup Gear Extender.....RAISE KNOB

IF GEAR STILL FAILS TO LOCK YAW LEFT OR RIGHT TO ENSURE LOCK

FORCED LANDING WITHOUT POWER

Passenger seats.....UPRIGHT
Seats/Seat Belts.....SECURE
Airspeed.....105 MPH
Propeller.....DECREASE RPM
Suitable Landing Site.....IDENTIFY
Landing Gear.....DETERMINE IF DOWN/UP
Gear automatically drop <105MPH, set override position @>115MPH to prevent this
Throttle.....CLOSED
Master.....OFF (when landing assured)
Ignition Switch.....OFF
Mixture.....IDLE CUTOFF
Flaps.....AS REQ'D (30° recommended)
ELT.....ACTIVATE
Cabin Doors.....UNLATCH (prior to touchdown)
Brakes.....APPLY HEAVILY

ENGINE FIRE IN FLIGHT

Fuel Selector.....OFF
Throttle.....CLOSE
Mixture.....IDLE/CUTOFF
Cabin Heat.....OFF
Defroster.....OFF
Airspeed.....125 KIAS (or more) TO EXTINGUISH
Forced Land. w/o Pwr. Checklist.....EXECUTE

ELECTRICAL FIRE IN FLIGHT

Master.....OFF
Cabin Vents.....OPEN
Cabin Heat.....OFF
Avionics Master.....OFF
All Other Switches.....OFF
Fire Extinguisher.....ACTIVATE
Land.....AS SOON AS PRACTICAL
If fire is out, refer to Manual for cont'd flight

CABIN FIRE IN FLIGHT

Master.....OFF
Cabin Vents/Air/Heat.....CLOSED
Fire Extinguisher.....ACTIVATE
Cabin Vents/Air/Heat.....OPEN
Airport.....LAND

WING FIRE IN FLIGHT

Landing/Taxi Lights.....OFF
Navigation Lights.....OFF
Strobe Lights.....OFF
Pitot Heat.....OFF
Sideslip.....PERFORM (keep flames from fuel)

WARNING: By purchasing this product, the buyer assumes all responsibilities pertaining to the safe operation of the aircraft. No warranties are made concerning our product, either implied or express. This product is not a substitute for any operation manual or supplements which have been published for the specific aircraft. By buying this product, the purchaser consents and completely understands to, and agrees upon, that Air America Flight Center, LLC bears no liability, responsibility for death, injuries, damage to property, for the use of this product. The accuracy of this product should be verified with the aircraft manual.