



PA28R-200 ARROW Preflight Checklist



Italicized items have been added

Vol. 1

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 Quick Drains
 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. 1

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..... ON
 Avionics Master..... OFF
 Fuel Selector..... FULLEST TANK

ENGINE START

Propeller Control FORWARD/FULL
 Throttle..... OPEN (1/2")
 Master..... ON
 Propeller Area..... CLEAR
 COLD START:
 Mixture FULL RICH Electric
 Fuel Pump ON (TILL PRIMED)
 Mixture IDLE/CUTOFF
 Ignition Switch..... ENGAGE
 Mixture FULL RICH
 Throttle 1000 RPM
 HOT START:
 Electric Fuel Pump ON
 Mixture IDLE/CUTOFF
 Ignition Switch ENGAGE
 Mixture FULL RICH
 Throttle 1000 RPM
 Mixture..... FULL/RICH
 FLOODED:
 Throttle FULL
 Electric Fuel Pump OFF
 Mixture IDLE/CUTOFF
 Ignition Switch ENGAGE
 Mixture FULL RICH
 Throttle 1000 RPM
 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..... CHECK (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..... CHECK (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

Flaps..... UP
 Climb Power..... SET(24 SQUARED)
 Airspeed..... AS REQ'D
 Mixture..... AS REQ'D
 Propeller AS REQ'D

CRUISE

Cruise power..... SET(22 SQUARED)
 Trim..... AS REQ'D
 Mixture..... LEAN AS REQ'D
 Pilots' discretion, BUT lean at >5000ft
 Propeller AS REQ'D
 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 (150 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. (Restart Proc.)

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

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.