



Piper Arrow PA-28R CHECKLIST

PREFLIGHT

W&B/Performance COMPLETE
 Documents ON BOARD
 Ignition and Master Switch OFF
 Fuel Strainer Sump DRAINED
 Fuel Selector FULLEST TANK
 Control Surfaces/Wing/Fuselage.. CHECK
 Fuel Supply/Cell Caps CHECK
 Fuel System Vents OPEN
 Landing Gear Struts CHECK
 Tires CHECK
 Cowling/Landing Gear Doors SECURE
 Oil and Inspection Covers SECURE
 Propellers CHECK
 Oil Supply ADEQUATE
 Leaks ABSENT
 Windshield CLEAN
 Dorsal Fin Air Scoop CHECK
 Control Locks DETACHED
 Tow Bar STOWED
 Baggage Door SECURE
 Cabin Controls OPERATIVE
 Gear Selector Switch DOWN
 Stall Warning System CHECK
 Navigation Lights CHECK
 Door LOCKED

ENGINE START

Alternate Air CLOSED
 Propeller FORWARD
 Master Switch ON
 Throttles FULL
 Mixture RICH
 Fuel Pump ON (3s)
 Throttles 1/2 IN
 Mixture CUT-OFF
 Brakes HOLD

 Alternator ON
 Propeller Area CLEAR
 Ignition Switch START
 Mixture RICH
 Throttle 1000
 Oil Pressure GREEN
 Ammeter CHECK

FLOODED START

Magneto Switches ON
 Throttles OPEN
 Mixture IDLE
 Fuel Pump OFF
 Starter* ENGAGE
 When engine fires, retard throttle and advance mixture.

*Cranking periods should be limited to 30 SECONDS with a 2 MINUTE INTERVAL.

TAXIING

Parking Brake RELEASE
 Brakes TEST
 Instruments CHECK
 Taxi lights ON

STALL SPEED TABLE (CAS)

Bank	Gear/Flaps Up	Gear/Flaps Down
0°	60	55

Best gliding speed 79 KTS

WARM UP & GROUND CHECK

Brakes HOLD
 Door/Windows LOCK
 Fuel Selector FULLEST TANK
 Mixture RICH
 Throttle 2000
 Magnetos CHECK
 Propeller EXERCISE
 Alternate Air CHECK
 Ammeter CHECK
 Suction Gauge CHECK
 Engine Instruments CHECK
 Throttle IDLE
 Throttle 1000
 Flight Controls CHECK
 Lights/Pitot Heat AS REQUIRED
 Instruments CHECK/SET
 COM/NAV/Lights/Transponder ... SET
 Flaps/Trim SET
 Clearance OBTAIN
 Take Off Briefing COMPLETED

LINING UP

Parking Brake OFF
 Fuel Pumps ON
 Transponder ON/ALT
 Strobe Lights ON
 Landing Lights AS REQUIRED

ROLLING

Power (Take OFF) SET
 Man. Press./RPM/Fuel Flow CHECK
 Speed RISING
 Rotate 60 KTS
 Climb 80/90 KTS

AFTER TAKEOFF

Gear (Vlo 107 KTS) POS. CLIMB/UP
 Vy 78/90 KTS
 Power (Climb) SET (25" 2500)
 Flaps (Vfe 103 KTS) RETRACT
 Landing Lights OFF
 Fuel Pumps OFF
 Mixture RICH
 Engine Instruments CHECK

SHORT & SOFT FIELD TAKEOFF

Flaps SET FOR T/O
 Brakes SET
 Power MAXIMUM
 Instruments CHECK
 Vx 72/78 KTS
 Landing Gear RETRACT
 Vy (clear of obstacle) 78/90 KTS
 Flaps RETRACT

CLIMB

Throttles/Props SET CLIMB
 Enroute Climb 90 KTS

CRUISE

Throttles-Props SET/TABLE
 Mixture ADJUST
 Tanks AS NEEDED
 Instruments AS NEEDED



Piper Arrow PA-28R CHECKLIST

APPROACH/LANDING

ATIS/AWOS/ASOS OBTAIN
 Brief/Seat Belts CHECK
 Mixture RICH
 Props FORWARD
 Fuel Selector FULLEST TANK
 Fuel Pumps ON
 Landing Lights AS REQUIRED
 Gear (Vlo 107 KTS) 3 GREEN
 Flaps (Vfe 103 KTS) SET
 Final Approach 80 KTS

ONLY TRAFFIC PATTERN

BASE LEG

Mixture RICH
 Power REDUCE
 Speed CHECK < 129 KTS
 Landing Gear DOWN/3 GREEN
 Flaps (below 103KTS) SET
 Speed 80 KTS

FINAL

Mixture RICH
 Propeller FULL FORWARD
 Landing Gear 3 GREEN
 Flaps SET
 Brakes RELEASED
 ATC Clearance OBTAINED

GO AROUND

Power FULL
 Gear (Positive Climb) UP
 Flaps (safe altitude) RETRACT
 Vy 78/90 KTS

MANUAL GEAR EXTENSION

Master/Gear Circuit Breakers IN
 Master ON
 Navigation Lights OFF Day
 Landing lights CHECK
 Airspeed < 87 KTS
 Emergency Gear Extension Lever DOWN
 Landing Gear Lights 3 GREEN

AFTER LANDING

Flaps RETRACT
 Fuel Pump OFF
 Pitot Heat OFF

AFTER VACATE RUNWAY

Strobe/Landing Lights OFF
 Transponder STBY

COMPLETE STOP

Radio/Elec. Equip. OFF
 Avionics Master Switch OFF
 Throttle 1000
 Mixture IDLE/CUT-OFF
 Ignition Switch/Magnetos OFF
 Alternator OFF
 Master Switch OFF
 Parking Brake ON
 Chocks/Chains/Papers COMPLETE

• CLOSE FLIGHT PLAN

LOST COM

Check: Freq., Volume, Squelch, Phones
 Transponder 7600
 Pattern Enter/Lights

ENGINE FAILURE

During Take Off or After Lift Off

During Run STOP
 After Lift Off With Adequate Landing Distance LAND

During Climb After Take Off

Vy 78 KTS
 Landing Gear (clear of obstacle) UP
 Vy 90 KTS

IF ALTITUDE APPROPRIATE FOR REIGNITION ENGINE

Fuel selector TANK WITH FUEL
 Fuel pump CHECK
 Mixture RICH
 Auxiliary air inlet OPEN

IF POSSIBLE RETURN TO AIRPORT FOR LANDING

During Cruise Flight

LOW ALTITUDE

Speed 79 KTS
 Flaps AS REQUIRED
 Throttle CLOSE
 Mixture CUT-OFF ON IDLE
 Ignition OFF
 Master switch OFF
 Alternator OFF
 Fuel selector CLOSE
 Seat belts TIGHTEN
 Touch down with lowest speed

HIGH ALTITUDE

Fuel selector FULLEST TANK
 Fuel pump ON
 Mixture RICH
 Auxiliary air OPEN
 Engine instruments CHECK
 IF NO FUEL FLOW INDICATING CHECK FUEL SELECTOR IF APPROPRIATE

AFTER GAIN POWER

Auxiliary air inlet CLOSE
 Fuel pump OFF

Emergency Landing

Balance for 79 KTS
 Find appropriate terrain
 Make spiral approach
 1000 ft over terrain on downwind position for normal approach
 If field can be achieved reduce speed to 72 KTS

Landing gear DOWN
 Flaps AS REQUIRED
 Throttle CLOSE
 Mixture CUT-OFF ON IDLE
 Ignition OFF
 Master switch OFF
 Alternator OFF
 Fuel selector CLOSE
 Seat belts TIGHTEN

ATTENTION

After Master Switch OFF landing gear cannot be UP

V SPEEDS (KTS)	Vx	72/78	Vfe	103	Vne	183	GPH TOTAL	65%	11,4
	Vy	78/90	Vlo	107	Crosswind	17			

This product is not a substitute for any operation manual.

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