

N1076Q

PREFLIGHT			
WX/WEIGHT/FP/AROW.	COMPLETE		
TIES, LOCKS, CHOCKS.	REMOVED		
PARKING BRAKE.	SET		
IGNITION SWITCH.	OFF		
MASTER.	ON		
• FUEL GAUGES.	CHECK		
• FLAPS.	EXTEND		
• PITOT HEAT SWITCH.	ON/CHECK (IFR)		
• STROBES/NAVS/LANDING.	ON/CHECK		
PITOT/LIGHTS/MASTER	OFF		
TRIM.	TAKE OFF		
FIRE EXTINGUISHER.	SECURE/GREEN		
FUSELAGE / ANTENNAS.	CHECK		
EMPENNAGE.	MOVEMENT & SECURITY		
FLAPS: HINGES,PINS,NUTS.	SECURED		
AILERONS: HINGES/MOVEMENT.	CHECK		
WING SURFACES/LEADING EDGE.	CHECK		
TIRES, LINES, BRAKES.	CHECK		
STRUT.....	MAINS: 4.5" NOSE 3.25"		
FUEL.....	SUPPLY, SUMP, STRAIN		
OIL.....	6-8 QUARTS		
PROP CLEAN FROM NICKS & CUTS	CHECK		
ENGINE COMPARTMENT.	CLEAR		
AIR FILTER.	CLEAN		
STATIC/PITOT/DRAIN.....	CLEAR		
STALL WARNING VENT	CLEAR		
STORAGE.....	LOCKED		
HOBBS.	LOGGED		
PASSENGER BRIEF: SAFEST			
Seatbelts, Air vents, Fire extinguisher, Exits, Sick, Talking			
PRE-START			
SEAT BACK, TRACK & BELTS.....	LOCK / ON		
FUEL SELECTOR VALVE.....	FULLEST TANK		
Brakes.....	SET		
CIRCUIT BREAKERS.....	IN		
RADIOS / AVOIDICS.....	OFF		
CARB HEAT.....	OFF		
BEACON.....	ON		
MASTER.....	ON		
ENGINE START			
	COLD	HOT	FLOODED
THROTTLE	1/4"	1/2"	FULL
F.PUMP	ON	ON	OFF
MIXTURE	RICH	RICH	IDLE OFF
STARTER	ENGAGE	ENGAGE	ENGAGE
MIXTURE	----	----	ADVANCE
THROTTLE	ADJUST	ADJUST	RETARD
OIL PRESS.	CHECK	CHECK	CHECK
If the engine does not engage within 5-10 seconds, disengage the starter, prime, then restart			
FUEL PUMP OFF.....	LEAN FOR TAXI	TIME NOTED	
PRE-TAXI / TAXI			
FLAPS.....	RETRACTED		
RADIO/AVOIDICS/TRANSPONDER.....	ON/ALT		
FREQ/ATIS/ALTIMETER.....	SET..ALT W/IN 75'		
LIGHTS.....	AS REQUIRED		
TAXI CALL.....	RADIO TEST		
Brakes.....	TEST		
INSTRUMENTS (TURN, BALL,HEADING, COMPASS).....	CK		
RUN UP			
Brakes.....	SET/HOLD		
Lights.....	AS REQ'D		
CABIN DOORS.....	LATCHED		
INSTRUMENTS.....	SET		
FLIGHT CONTROLS.....	FREE & CORRECT		
AUTOPilot.....	ENGAGE, CHECK, DISENGAGE		
TRIM.....	TAKE OFF		
FUEL PUMP.....	ON		
Mixture.....	RICH		
Throttle.....	2000 RPM		
MAGS TEST.....	DROP <175.....DIFF B/T MAGS <50		
Carb Heat.....	RPM DROP		
Vacuum.....	5" +/-1		
Annunciator Panel.....	PRESS/CHECK		
Oil Press/Temp.....	CHECK		
Voltmeter.....	ABOUT 17 day; 30 NIGHT		
Fuel Tanks/Flow.....	CHECK		
Throttle/Lock.....	...IDLE CK / 1000		
ABORT PLAN READY			
ROLL BEFORE ROTATION: Any Anomaly			
• Throttle Idle, Brake, Exit RWY			
AFTER ROTATION W/USABLE: Engine Fail/Fire			
• Throttle Idle, Land straight ahead			
AFTER ROTATION, W/O USABLE, <1000: Vg 76 KTS, best spot 30° of nose, communicate, shut down, eng. landing			
AFTER ROTATION >1000: Vg 76 KTS standard rate to the field			
PRE-TAKE OFF			
Boost Pump & Mixture.....	ON/RICH		
Lights.....	AS REQUIRED		
Instruments.....	SET		
Transponder.....	ALT		
Time.....	NOTED		
Trim.....	SET FOR T/O		
Seat Belts, Doors, Windows.....	SECURED		
Brake.....	RELEASE		
TAKE OFF			
Flaps.....	UP		
Carb Heat.....	OFF		
Throttle.....	FULL OPEN		
Instruments.....	GREEN		
Airspeed.....	ALIVE		
V.....	48-53 KTS		
V.....	76 KTS		
ENROUTE			
Climb.....	87 KTS		
Mixture.....	LEAN FOR ALTITUDE		
Cruse.....	75%		
Elevator Trim.....	ADJUST		
Heading Indicator.....	ALIGN TO COMPASS		
PRE-DESCENT/LANDING			
WX.....	OBTAINED		
Altimeter.....	SET		
Radios.....	SET		
Nav/GPS.....	TUNE		
Fuel Pump.....	ON		
Mixture.....	RICH		
Selector.....	FULLEST TANK		
Carburetor Heat.....	AS REQUIRED		
Directional Gyro.....	ALIGN TO COMPASS		
Seat Belts.....	SECURE		
Flaps: Extend Below.....	102 KTS		
Final Appr Speed w/Flaps 40.....	66 KTS		

1977 PIPER ARCHER II

PA28-181

OPERATING SPEEDS: KTS		
VNE	154	VG
VNO	121	VSO
VA 2550 / 1634	113 / 89	VS1
VR	48-53	VFE
VX	64	SH. FLD APPR
VY	76	XWIND
CLIMB ENR	87	

GO AROUND

Throttle..... FULL OPEN
 Carb Heat..... OFF
 Flaps..... Retract to 20°
 Airspeed..... 76 KTS
 Flaps..... INCREMENTS W/POS. RATE OF CLIMB
 Trim..... AS REQUIRE

CLEAR RUNWAY

Fuel Pump..... OFF
 Mixture..... LEAN FOR TAXI
 Carb Heat..... OFF
 Flaps..... RETRACTED
 Lights..... AS REQUIRED
 Transponder..... ALTITUDE
 Trim..... SET FOR T/O

SHUTDOWN

Lights ~ Camera ~ Action
 Lights (except Beacon)..... OFF
 Avionics..... OFF
 Mixture, Mags, Master, Beacon..... OFF

POST FLIGHT CHECK

Hobbs/Tach..... LOGGED
 Squawks..... LOGGED
 Windows..... CLEAN
 Control Lock/Belts..... SET
 Shade..... SET
 Trash/Items..... REMOVED
 Ties, Locks, Chalks..... SECURE
 Doors..... LOCKED

A/C INFORMATION

MAX GROSS: 2550	BAGGAGE: 200
Fuel: 100LL Blue Capacity P/Tank: 25 Useable P/Tank: 24 Tabs: 17	Electrical: 14v DC Battery: 12V Alternator: 60 AMP
Oil Capacity: 6-8 QTS Oil Weight: SAE 30 OR 50	Tire Pressure Nose: 18 PSI Main: 24 PSI
	Service Clg: 13,650 Absolute Clg: 15,750
Vacuum: 5" +/- .1	

EFFECTIVE 03-30-24

POWER LOSS IN FLIGHT / EMERGENCY LANDING

A: AIRSPEED: 76 KTS
 B: BEST SPOT TO LAND WIND DIR/VELOCITY
 C: CHECK ENGINE

- CARB HEAT..... ON
- FUEL SELECTOR..... BOTH
- MIXTURE..... RICH
- PRIMER..... IN/LOCKED
- MAGS..... CHECK

 D: DECLARE EMERGENCY

- TWR, APP, Unicom..... 121.5
- SQUAWK..... 7700
- E.L.T..... ON

E: ENGINE SECURE

- FUEL SELECTOR..... OFF
- MIXTURE..... FULL CUT-OFF
- THROTTLE..... IDLE
- AVIONICS, MASTER, MAGS..... OFF
- SEAT BELTS/HARNESSES..... SECURE
- FULL FLAPS..... FIELD ASSURED
- DOORS..... UNLATCH/PROP
- FORCE LAND..... PROTECT BODY

ENGINE FIRE: START UP

NOT STARTED

Throttle..... OPEN
 Mixture / Fuel / Selector..... OFF
 Mags..... TURN 5 SECONDS & SHUTDOWN
 Started

Run a few minutes @ 1700 RPM

- Draw flames in cylinder

Mixture / Fuel / Selector..... OFF
 External Extinguisher

ENGINE FIRE: IN FLIGHT

Mixture..... CUTOFF
 Fuel Selector..... OFF
 Slip or Emergency Descent..... Ext. FlAMES
 Master/Mags/Electrical..... OFF
 Cabin Heat/Air..... OFF
 If fire not extinguished..... Increase speed
 Forced Landing (w/o power)..... Execute
 Electrical

Master/Electrical..... OFF
 Cabin Heat/Air..... OFF
 Defroster..... OFF
 Land as soon as practical
 If fire out, test each elect. device
 One at a time
 If fire extinguished, ventilate cabin
 If not extinguished: use extinguisher, ventilate,
 Emergency landing
 Engine

Fuel Selector..... OFF
 Throttle/Mixture..... IDLE/CUT-OFF
 Vents..... CLOSE
 Heater..... OFF

RADIO FAILURE

Audio panel..... ON
 Circuit breakers..... IN
 Volume..... CHECK
 Alt. switch..... RECYCLE