



AMERICAN FLIGHT SCHOOLS

PIPER ARCHER II PA-28-181

EMERGENCY PROCEDURES & PREFLIGHT CHECKLIST

*This is to be used as a REFERENCE ONLY, it is not a substitute for the Airplane Flight Manual.

*Refer to AFM/POH for amplified procedures. User assumes all risk of use in using this product. User consents to and understands that American Flight Schools bears no liability for the use of this product.

ENGINE FIRE DURING START

1. Starter.....crank engine
2. Mixture.....idle cut-off
3. Throttle.....open
4. Electric fuel pump.....OFF
5. Fuel selector.....OFF

ENGINE POWER LOSS DURING TAKEOFF

1. Fuel selector.....switch to tank
.....containing fuel
2. Electric fuel pump.....check ON
3. Mixture.....check RICH
4. Carburetor heat.....ON

ENGINE POWER LOSS IN FLIGHT

If at low altitude:

1. Airspeed.....MAINTAIN 76 KIAS
.....minimum

If altitude permits:

2. Fuel selector.....switch to tank
.....containing fuel
3. Electric fuel pump.....ON
4. Mixture.....RICH
5. Carburetor Heat.....ON

6. Engine GaugesCHECK

When Power is Restored:

7. Carburetor heat.....OFF
8. Electric fuel pump.....OFF

POWER OFF LANDING

1. Trim for.....76 KIAS
2. Once field can be reached.....66KIAS
3. Flaps.....As desired
4. Throttle.....Close
5. Mixture.....Idle cut-off
6. Magnetos.....OFF
7. Battery Master Switch.....OFF
8. ALTR switch.....OFF
9. Fuel selector.....OFF
10. Seat belt and harness.....tight

FIRE IN FLIGHT

1. Source of fire.....check
- ##### Electrical fire
2. Batt. Master switch.....OFF
 3. ALTR switch.....OFF
 4. Vents.....Open
 5. Cabin heat.....OFF
 6. Land as soon as possible

Engine fire

1. Fuel selector.....OFF
2. Throttle.....CLOSED
3. Mixture.....idle cut-off
4. Electric fuel pump.....check OFF
5. Heater and defroster.....OFF
6. Proceed with power off landing procedure

LOSS OF FUEL PRESSURE

1. Electric fuel pump.....ON
2. Fuel selector.....check on full tank

ELECTRICAL FAILURES

ALT annunciator light illuminated:

1. Ammeter.....Check to verify inop. Alt

If ammeter shows zero:

2. ALT switch.....OFF

Reduce electrical loads to minimum:

3. ALT circuit breaker.....Check
.....and reset as required
4. ALT switch.....ON

If power not restored:

5. ALT switch.....OFF

ELECTRICAL OVERLOAD

1. ALT switch.....ON
2. BAT switch.....OFF

If alternator loads are reduced:

3. Electrical load.....Reduce to Minimum
4. Land as soon as possible

If alternator loads are not reduced:

5. ALT switch.....OFF
6. BAT switch.....As required
7. Land as soon as possible. Anticipate complete electrical failure.

ENGINE ROUGHNESS

1. Carburetor heat.....ON

If roughness continues after one min:

2. Carburetor heat.....OFF
3. Mixture.....adjust until smooth
4. Electric fuel pump.....ON
5. Fuel selector.....switch tanks
6. Engine gauges.....check
7. Magneto switchesCheck L then R
If operation is satisfactory on either one, continue on that magneto at reduced power and full RICH mixture to first airport.
8. Prepare for power-off landing

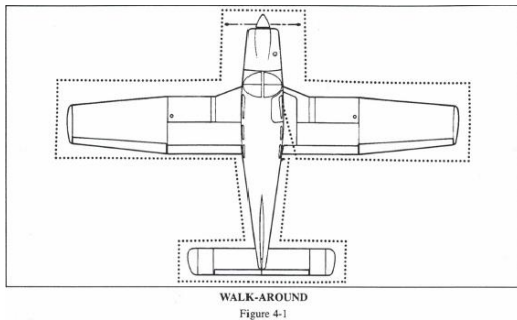
CARBURETOR ICING

1. Carburetor heat.....ON
2. Mixture.....adjust
.....for maximum smoothness

SPIN RECOVERY (PARE)

1. THROTTLE.....IDLE
2. AILERONS.....NEUTRAL
3. RUDDER.....FULL OPPOSITE
(to direction of rotation)
4. CONTROL WHEEL.....FULL FORWARD
5. RUDDER.....NEUTRAL
(when rotation stops)
6. CONTROL WHEEL.....AS REQUIRED
(to smoothly regain level flight altitude)

PREFLIGHT CHECK



COCKPIT

1. Required Papers(ARROW).....on board
2. Control wheel.....release restraints
3. Parking brake.....set
4. Avionics.....OFF
5. All switches.....OFF
6. Mixture.....idle cut-off
7. Magneto switches.....OFF
8. Battery Master switch.....ON
9. Fuel gauges.....check quantity
10. Annunciator panel.....check
11. Battery Master switch.....OFF
12. Flaps.....extend
13. Primary flight controlscheck
14. Trim.....neutral
15. Pitot and static systems.....drain
16. Windows.....check clean
17. Tow bar and baggage.....secure
18. Baggage door.....close and secure

RIGHT WING

1. Surface condition.....clear
.....of ice, frost, snow
2. Flap and hinges.....check
3. Aileron and hinges.....check
4. Static wicks.....check- secure
5. Wing tip and lights.....check
6. Fuel tankcheck supply visually
..... secure cap
7. Fuel tank vent.....clear
8. Fuel tank sump.....drain and check
.....for water, sediments and proper fuel
9. Tie down and chock.....remove
10. Main gear strut.....proper inflation
.....(4.5 ±.25 in.)
11. Tire.....check
12. Brake block and disc.....check
13. Fresh air inlet.....clear

NOSE SECTION

1. General condition.....check
2. Cowling.....secure
3. Windshield.....clean
4. Propeller and spinner.....check
5. Air inlets.....clear
6. Engine baffle seals.....check
7. Chock.....remove
8. Nose gear strut.....proper inflation
.....(3.25± .25 in.)
9. Nose wheel tire.....check
10. Oil.....check quantity
11. Dipstick.....properly seated
12. Oil filler cap.....secure
13. Fuel strainer.....drain

LEFT WING

1. Surface condition.....clear
.....of ice, frost, snow
2. Fresh air inlet.....clear
3. Fuel tank sump.....drain and check
.....for water, sediments and proper fuel
4. Fuel tank vent.....clear

5. Main gear strut.....proper inflation
.....(4.5 ± .25 in.)
6. Tire.....check
7. Brake block and disc.....check
8. Tie down and chock.....remove
9. Fuel tankcheck supply visually
..... secure cap
10. Pitot/static head.....remove
.....cover- holes clear
11. Wing tip and lights.....check
12. Aileron and hinges.....check
13. Flap and hinges.....check
14. Static wicks.....check- secure

FUSELAGE

1. Antennas.....check
2. Empennage.....clear of ice, frost, snow
3. Stabilator and trim tab.....check
4. Tie down.....remove

MISCELLANEOUS

1. Battery master switch.....ON
2. Flaps.....retract
3. Interior lighting.....CHECK
4. Pitot heat switch.....ON
5. Exterior lighting switches.....CHECK
6. Pitot Heatcheck – warm
7. Stall warning horn.....check
8. All lighting switches.....OFF
9. Pitot heat switch.....OFF
10. Pitot heat OFF/INOP Annunciator
.....illuminated
11. Battery master switch.....OFF
12. Passenger.....board
13. Door.....Closed and secure
14. Seats.....adjusted
.....and /locked in position
15. Seat belts and harness.....
.....fasten/adjust check inertia reel