

Piper Archer II (PA-28-181)

PREFLIGHT

CABIN

1. Magneto Switches OFF
2. Pitot/Static Drains Drained

WALKAROUND

Right Wing

- ★ 3. Tie Down / Chock Removed
4. Fuel Drain Sample Clean
5. Fuel Quantity Visual Verify
- ★ 6. Fuel Cap Secure
7. Strut, Tire & Brakes ~4.5", 27 psi

Nose

- ★ 8. Oil >5 Qt (8 max) Cap Secure
9. Strut & Tire ~3.25", 20 psi
- ★ 10. Wheel Chock Removed
- ★ 11. Engine Cooling Inlet Unobstructed
12. Main Fuel Strainer Sample L & R

Left Wing

13. Strut, Tire & Brakes ~4.5", 27 psi
- ★ 14. Pitot/Static Mast Unobstructed
15. Fuel Drain Sample Clean
16. Fuel Quantity Visual Verify
- ★ 17. Fuel Cap Secure
- ★ 18. Tie Down / Chock Removed

Empennage

- ★ 19. Tail Tie Down Removed
- ★ 20. Baggage Door Secure

ENGINE START & PRE-TAXI

1. Passenger Briefing Completed
2. Prop Area Clear
3. Oil Pressure In the green
4. Mixture LEANED
5. Flight Controls Free, Correct

PRE-DEPARTURE

1. Run-up Completed
 2. Primer In & Locked
 3. Mixture Set for T/O
 4. Emergency Procedures Reviewed
 5. Departure Briefing Completed
- Check THAT Setup (Xpdr, Heading, Alt, Talk)

TAKEOFF

1. Carb Heat COLD (off)
 2. All Exterior Lights ON Lights
 3. Transponder ALT Camera
 4. Fuel Pump ON Action
 5. Timer Start
 6. Engine Instruments Verify in the green
- Climb Speed V_y (76 KIAS)

ENROUTE CLIMB

1. Airspeed 87 KIAS
2. Throttle FULL
3. Mixture LEAN +5000' MSL

CRUISE

1. Power 75% or less
2. Trim Adjusted
3. Mixture LEAN as req'd

LANDING

1. Approach Procedures Reviewed
2. Seats & Belts Secured
3. Fuel Selector Fullest Tank
4. Fuel Pump ON
5. Mixture RICH

G
M

AFTER LANDING

1. Fuel Pump OFF
2. Carb Heat COLD (off)
3. Elevator Trim Set to NEUTRAL

SHUTDOWN

1. Mixture IDLE CUTOFF
2. Magneto Switches OFF
3. Master & Alternator OFF
4. Flight Plan Closed

Piper Archer II (PA-28-181)

ENGINE FAILURE

TAKEOFF RUN

- | | |
|-------------|---------|
| 1. Throttle | IDLE |
| 2. Brakes | Maximum |

IMMEDIATELY AFTER TAKEOFF

- | | |
|-------------|--------------------------|
| 1. Airspeed | V _g - 76 KIAS |
|-------------|--------------------------|

DURING FLIGHT (Restart)

- | | |
|-------------------|--------------------------|
| 1. Airspeed | V _g - 76 KIAS |
| 2. Mixture | RICH |
| 3. Fuel Pump | ON |
| 4. Fuel Selector | Switch Tanks |
| 5. Carb Heat | ON |
| 6. Magneto Switch | Try L, R |

ENGINE PROBLEMS

LOSS OF FUEL PRESSURE

- | | |
|------------------|--------------|
| 1. Fuel Pump | ON |
| 2. Fuel Selector | Fullest Tank |

LOW OIL PRESSURE / HIGH TEMP

LAND AS SOON AS PRACTICAL

ENGINE ROUGHNESS

- | | |
|-------------------|--------------|
| 1. Carb Heat | FULL ON |
| 2. Fuel Pump | ON |
| 3. Mixture | Adjust |
| 4. Fuel Selector | Switch Tanks |
| 5. Magneto Switch | Try L, R |

MISCELLANEOUS

CO ALERT

- | | |
|-----------------------|------|
| 1. Heater / Defroster | OFF |
| 2. Storm Window | Open |

OPEN DOOR

- With passenger:
 - a. Airspeed <= 87 KIAS
 - b. Passenger to latch door
- Without passenger:
 - a. Land when practical

FIRES

DURING START ON GROUND

- | | |
|------------------|------------|
| 1. Cranking | CONTINUE |
| 2. Mixture | IDLE C/OFF |
| 3. Throttle | FULL OPEN |
| 4. Fuel Pump | OFF |
| 5. Fuel Selector | OFF |

DURING FLIGHT (ENGINE)

- | | |
|------------------|------------|
| 1. Mixture | IDLE C/OFF |
| 2. Fuel Pump | OFF |
| 3. Fuel Selector | OFF |

LAND AS SOON AS POSSIBLE

DURING FLIGHT (ELECTRICAL)

- | | |
|---------------------------|----------|
| 1. Master & Alternator | OFF |
| 2. Vents, Cabin Air, Heat | Closed |
| 3. Fire Extinguisher | Activate |

FORCED LANDINGS

WITHOUT POWER

- | | |
|------------------|--------------------------|
| 1. Airspeed | V _g - 76 KIAS |
| 2. Mixture | IDLE C/OFF |
| 3. Fuel Selector | OFF |

PRECAUTIONARY WITH POWER

- | | |
|----------------------------|--------------------------|
| 1. Airspeed | V _g - 76 KIAS |
| 2. <u>Landing Assured:</u> | |
| a. Mixture | IDLE C/OFF |

DITCHING

- | | |
|---------------------|--------------------------|
| 1. Airspeed | V _g - 76 KIAS |
| 2. Mixture | IDLE C/OFF |
| 3. <u>Approach:</u> | |
| a. High winds | Land into Wind |
| b. Light winds | Parallel to Swells |