

Piper Warrior II (P28A) Emergency Procedures

ENGINE FIRE DURING START

Starter CONTINUE CRANKING
..... FOR 30 SECONDS
Mixture IDLE CUT-OFF
Throttle FULL OPEN
Fuel Pump OFF
Fuel Selector OFF
-- If engine starts, stop cranking and allow engine to burn remaining fuel from carburetor.
-- EXIT AIRCRAFT WITH FIRE EXTINGUISHER IN HAND.

ENGINE POWER LOSS DURING TAKEOFF

-- If sufficient runway remains, land straight ahead

-- If insufficient or no runway remains, maintain safe airspeed and make shallow turns to avoid obstructions, use flaps as situation requires.

-- If sufficient altitude has been gained, turn around to airport and prepare for power-off landing. If possible, attempt RESTART:

ENGINE POWER LOSS IN FLIGHT – RESTART

Fuel Pump ON
Fuel Selector ON TANK WITH FUEL
Mixture RICH
Carburetor Heat ON
Primer IN AND LOCKED
Ignition BOTH
-- Check engine gauges for source of power loss.

IF POWER IS RESTORED:

Carburetor Heat OFF
Fuel Pump OFF
-- Prepare for power-off landing if power is not restored.
-- TRIM FOR 73 KIAS (best glide)

POWER OFF LANDING

-- BEST GLIDE SPEED 73 KIAS
-- Locate Suitable Field
-- Establish Spiral Pattern over field.
-- 1000 ft above field at downwind position for normal landing approach – Flaps accordingly.
-- When field can be easily reached, slow to 63 KIAS
For shortest landing.

WHEN COMMITTED TO THE LANDING:

Ignition OFF
Master OFF
Fuel Selector OFF
Mixture IDLE CUT-OFF
Seatbelts SECURE AND TIGHT

EMERGENCY 121.5
Best Glide 73 KIAS
Stall with flaps Vso 44 KIAS
LOST COMMS Squawk 7600
EMERGENCY Squawk 7700

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ELECTRICAL OVERLOAD

(Alternator over 20 amps above known electrical load)
ALT Switch ON
BATT Switch OFF

-- If alternator loads are reduced, minimize electrical load and land as soon as possible.

-- If alternator loads are NOT reduced:
ALT Switch OFF
BATT Switch AS REQUIRED
-- Land as soon as possible, expect complete electrical failure.

OPEN DOOR

-- If both upper and lower latches are open, the door will trail slightly open and airspeeds will be reduced slightly.

TO CLOSE DOOR IN FLIGHT:

Airspeed 89 KIAS
Cabin Vents CLOSE
Storm Window OPEN

-- Latch side first, then latch top. Pull on armrest while moving latch handle to latched position.

ENGINE ROUGHNESS

Carburetor Heat ON

IF ROUGHNESS CONTINUES AFTER ONE MINUTE:

Carburetor Heat OFF
Mixture ADJUST FOR MAXIMUM SMOOTHNESS
Fuel Pump ON
Fuel Selector SWITCH TANKS
Engine Gauges CHECK
Ignition Switch "L" then "R" then BOTH*
* If operation is satisfactory on either one, continue on that magneto at reduced power and FULL RICH mixture to first airport. PREPARE FOR POWER-OFF LANDING.

CARBURETOR ICING

Carburetor Heat ON
Mixture ADJUST FOR MAXIMUM SMOOTHNESS

FIRE IN FLIGHT

Source of Fire IDENTIFY

ELECTRICAL FIRE (smoke in cabin):

Master OFF
Vents and storm door OPEN
Cabin heat OFF
Extinguisher READY; USE IF NEEDED
-- Land as soon as possible.

ENGINE FIRE:

Fuel Selector OFF
Throttle CLOSED
Mixture IDLE CUT-OFF
Fuel Pump OFF
Cabin Heater OFF
Defroster OFF
-- Proceed with power-off landing.

LOSS OF OIL PRESSURE

-- Land as soon as possible and investigate cause.
-- Prepare for power-off landing.

HIGH OIL TEMPERATURE

-- Land at nearest airport and investigate cause.
-- Prepare for power-off landing.

LOSS OF FUEL PRESSURE

Fuel Pump ON
Fuel Selector ON TANK WITH FUEL

ELECTRICAL FAILURES

-- If ALT annunciator light is illuminated, check ammeter to verify inoperative alternator.

-- If ammeter shows zero:
ALT Switch OFF

-- Reduce electrical loads to minimum:
ALT Circuit Breaker CHECK AND RESET
ALT Switch ON

-- If power is not restored:
ALT Switch OFF

-- If alternator output cannot be restored, reduce electrical loads and land as soon as possible. The battery is now the only remaining source of electrical power.

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Master OFF
Fuel Selector OFF
Mixture IDLE CUT-OFF
Seatbelts SECURE AND TIGHT

SPIN RECOVERY

Throttle IDLE
Ailerons NEUTRAL
Rudder FULL OPPOSITE TO DIRECTION OF ROTATION
Control Wheel FULL FORWARD
Rudder NEUTRAL (when rotation stops)
Control Wheel PULL SMOOTHLY TO REGAIN LEVEL FLIGHT

NO INTENTIONAL SPINS IN WARRIOR II

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