

# PA28-161 CHECKLIST

INTERNAL		POWER CHECKS:	
Seats	Adjusted & Locked	Position	Into Wind, Check All Round
Hatch / Harnesses	Adjusted & Secure	Parking Brake	ON Set 1200 RPM
Parking Brake	Reset & ON	Fuel	CHANGE to Fuller Tank
Master Switch	OFF	T's & P's	Within Limits
Instruments	Legible, Serviceable, within limits	RPM	Set 2000 RPM, Brakes Holding
Flying Controls	Full & Free, Correct Sense	Carb. Heat	Set HOT, RPM Drop Apprx.75
Trimmers	Full & Free, Set for T/O		Set COLD, RPM Restored to 2000
Flaps	Check in Stages, Select UP	Magnetos	Check L/R, Max drop 175 RPM
Cabin Air Controls	Closed		Max Difference 50 RPM
Throttle Friction	Checked & Loose	Suction	3"-5"
Throttle	Full & free, Set ¼" Open	Ammeter	Charging
Mixture	Full & Free, Set RICH	T's & P's	Within Limits
Carb. Heat	Full & Free, Set COLD	RPM	IDLE, 500-700, Reset 1200 RPM
Master Switch	ON	PRE-DEPARTURE CHECKS	
Circuit Beakers	IN	Trimmers	Set for Take Off
Beacon (Strobe)	ON	Throttle Friction	Set, finger tight
Fuel	ON, Tank with LOWEST contents	Magnetos	ON, BOTH
Fuel pump	ON, check pressures in green, OFF	Pitot Heat	As Required
Primer	Prime as Required, & LOCKED	Primer	Locked
Lookout	Look & "CLEAR PROP"	Fuel	Confirm endurance
Magnetos	Operate Starter	Fuel Pump	ON
AFTER START		Flaps	AS required & symmetrical
RPM	Set 1200, Brakes Holding	Instruments	Checked & SET, QNH, DI
Starter Warning Light	OUT, if NOT Shut Down	T's & P's	Within Limits
Oil Pressure	Green Arc within 30 seconds	Hatches	Door & Window Secure
Alternator / Ammeter	ON / Charging	Harness & Seat	Secure
Avionics Master Switch	ON	Carb. Heat	Check if required, Set COLD
Suction	Registering	Controls	Full & Free Movement
Magnetos	Check	LINING UP	
Flight Instruments	Check & Set as Required	Landing Light	ON (leave on)
TAXIING		Transponder	On
Brakes	CHECK ASAP		X
Rudder	Nose Wheel Steering, Check		X
Flight Instruments	Check during Turns		X



## PA28-161 EMERGENCY PROCEDURES (1)

ENGINE FIRE DURING START	ENGINE FAIL AFTER TAKE OFF
Starter <span style="float: right; color: blue;">CONTINUE CRANKING</span>	<i>PITCH NOSE DOWN, BEST GLIDE SPEED (73 KTS)</i>
Throttle <span style="float: right; color: blue;">OPEN</span>	<i>SELECT LANDING AREA AHEAD</i>
Mixture <span style="float: right; color: blue;">ICO</span>	<i>USE FLAPS AS REQUIRED</i>
Fuel Pump <span style="float: right; color: blue;">OFF</span>	
Fuel <span style="float: right; color: blue;">OFF</span>	Fuel <span style="float: right; color: blue;">OFF</span>
<i>VACATE TO SAFE DISTANCE UPWIND &amp; TAKE FIRE EXTINGUISHER</i>	Mixture <span style="float: right; color: blue;">ICO</span>
x	Magnetos <span style="float: right; color: blue;">OFF</span>
x	Radio Call <span style="float: right; color: blue;">IF TIME ALLOWS</span>
ENGINE FIRE IN FLIGHT	Master Switch <span style="float: right; color: blue;">OFF</span>
Mixture <span style="float: right; color: blue;">ICO</span>	Passengers <span style="float: right; color: blue;">Brief</span>
Fuel <span style="float: right; color: blue;">OFF</span>	<span style="float: right; color: blue;">HARNESSTIGHT</span>
Fuel Pump <span style="float: right; color: blue;">OFF</span>	<span style="float: right; color: blue;">UNLATCH DOOR</span>
Master Switch <span style="float: right; color: blue;">OFF</span>	<i>DO NOT TURN BACK</i>
Magnetos <span style="float: right; color: blue;">OFF</span>	<i>Notes:</i>
Throttle <span style="float: right; color: blue;">CLOSE</span>	
<i>IF FIRE NOT EXTINGUISHED ATTEMPT TO INCREASE AIRFLOW OVER ENGINE</i>	
Follow Power off landing	
x	
ELECTRICAL FIRE IN FLIGHT	
Master Switch <span style="float: right; color: blue;">OFF</span>	
Vents <span style="float: right; color: blue;">OPEN</span>	
Cabin Heat <span style="float: right; color: blue;">OFF</span>	
<i>LAND AS SOON AS PRACTICAL</i>	
x	

## PA28-161 EMERGENCY PROCEDURES (2)

ENGINE FAIL AT ALTITUDE	RADIO FAIL
<b>IMMEDIATE ACTIONS:</b>	Radio <span style="float: right;">Check ON, Freq. Volume, Squelch</span>
Attain & Maintain Best Glide speed-TRIM (Kts)	Headset <span style="float: right;">Connections</span>
Assess Surface Wind, Select Landing Area	<span style="float: right;">Use Spare if Available</span>
Plan Approach Pattern	Electrics <span style="float: right;">Ammeter, Master Switch</span>
<b>CHECK FOR CAUSE OF FAILURE</b>	Transponder <span style="float: right;">CB's Reset ONCE Only</span>
Carb. Heat <span style="float: right;">ON (HOT)</span>	<span style="float: right;">Set 7600</span>
Fuel <span style="float: right;">CHANGE TANK (?)</span>	x
Fuel Pump <span style="float: right;">ON</span>	<i>Transmit BLIND, Follow Radio Fail Procedures</i>
Mixture <span style="float: right;">Check RICH</span>	x
Primer <span style="float: right;">LOCKED</span>	
Magnetos <span style="float: right;">Check L / R BOTH</span>	<b>ELECTRICAL FAILURE</b>
<span style="float: right;">If FIRES, Leave on ONE</span>	Electrical Load <span style="float: right;">Reduce Load, Lights</span>
Throttle <span style="float: right;">CHECK</span>	<span style="float: right;"><b>ONE</b> Radio ONLY</span>
x	Circuit Breakers <span style="float: right;">Check</span>
<span style="color: blue;">IF time permits, attempt re-start. If NOT:</span>	Ammeter <span style="float: right;">Check</span>
<span style="color: blue;">Follow power OFF Landing Procedure</span>	Voltage WNG Light <span style="float: right;">Check</span>
	NO OUTPUT <span style="float: right;"><b>RESET MASTER SWITCH</b></span>
<b>POWER OFF LANDING</b>	<span style="float: right;">OFF for 2 secs &amp; ON</span>
Fuel <span style="float: right;">OFF</span>	OUPUT RESTORED <span style="float: right;">Restore ESSENTIAL</span>
Mixture <span style="float: right;">ICO</span>	<span style="float: right;">services ONLY</span>
Magnetos <span style="float: right;">OFF</span>	<span style="color: blue;">In event of repeated / continued electrical failure:</span>
Harnesses <span style="float: right;">TIGHT</span>	<span style="color: blue;">Select only ESSENTIAL electrical services,</span>
Doors <span style="float: right;">RELEASE</span>	<span style="color: blue;">Divert if applicable</span>
Crew / Px <span style="float: right;">BRIEF</span>	x
R / T & Transponder <span style="float: right;">MAYDAY / 7700</span>	<b>Note: Radios makes a HEAVY drain on Battery.</b>
Master Switch <span style="float: right;">OFF</span>	<span style="color: blue;">Turn all not in use Radios off individually</span>