

**PA-28-161 EMERGENCY CHECKLIST**

Revision 4: Issued 9/2/2015  
FOR INSTRUCTIONAL USE ONLY

**V/R ENGINE FAILURE  
(BELOW V<sub>R</sub>)**

Throttle IDLE  
Brakes AS REQUIRED  
Flaps UP

Mixture IDLE CUT OFF  
Ignition Switch OFF  
Fuel Selector OFF  
Battery Master Switch OFF  
Alternator Switch OFF  
Checklist COMPLETE

**V/R ENGINE FAILURE ON TAKEOFF  
(ABOVE V<sub>R</sub>)**

Airspeed 73 KIAS  
  
If Sufficient Altitude:  
Fuel Selector SWITCH TANKS  
Fuel Pump ON  
Mixture RICH  
Carb Heat ON  
Checklist COMPLETE

If Power Not Regained:  
Power Off Landing Checklist EXECUTE

**V/R ENGINE FAILURE IN FLIGHT**

Airspeed 73 KIAS  
Fuel Pump ON  
Fuel Selector SWITCH TANKS  
Mixture RICH  
Carb Heat ON

Engine Gauges CHECKED  
Ignition Switch BOTH  
Ignition (If Propeller is Stopped) START  
Checklist COMPLETE

**V/R POWER OFF LANDING**

Airspeed 73 KIAS

Flaps AS REQUIRED  
Throttle CLOSE  
Mixture IDLE CUT-OFF  
Ignition Switch OFF  
Battery Master Switch OFF  
Alternator Switch OFF  
Fuel Selector OFF  
Seat Belts & Harness TIGHT  
Airspeed (Full Flaps) 63 KIAS  
Checklist COMPLETE

**V/R ENGINE FIRE DURING START**

Starter CONTINUE CRANKING  
Mixture IDLE CUT-OFF  
Throttle OPEN  
Fuel Pump OFF  
Fuel Selector OFF  
Ignition Switch OFF  
Battery Master Switch OFF  
Alternator OFF  
Cabin Fire Ext. (if installed) OBTAIN  
Checklist COMPLETE

Fire Extinguisher USE  
If Fire Continues ABANDON AIRCRAFT

**V/R ELECTRICAL FIRE IN FLIGHT**

Battery Master Switch OFF  
Alternator Switch OFF  
Vents OPEN  
Cabin Heat OFF  
Checklist COMPLETE

Cabin Fire Ext. (if installed) USE  
Landing SOON AS PRACTICABLE

**V/R ENGINE FIRE IN FLIGHT**

Fuel Selector OFF  
Throttle CLOSE  
Mixture IDLE CUT-OFF  
Fuel Pump OFF  
Heater & Defroster OFF  
Checklist COMPLETE

Power Off Landing Checklist EXECUTE

**V/R LOSS OF FUEL FLOW/PRESSURE**

Fuel Pump	ON
Fuel Selector	TANK WITH FUEL
Checklist	COMPLETE

**V/R ELECTRICAL FAILURE**

Ammeter	CHECKED
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**If Ammeter Indicates Zero:**

Alternator Switch	OFF
Electrical Load	REDUCE
ALTNTR.FIELD Circuit Breaker	CHECKED
Alternator Switch	ON

**If Power Is Not Restored:**

Alternator Switch	OFF
Checklist	COMPLETE
Land As Soon As Practical	

**V/R SPIN RECOVERY**

Throttle	IDLE
Ailerons	NEUTRALIZE
Rudder	FULL OPP TO ROTATION DIRECTION
Control Wheel	FULL FORWARD
Rudder	NEUTRAL WHEN ROTATION STOPS
Control Whl	SMOOTHLY REGAIN LEVEL FLT
Checklist	COMPLETE

**V/R ELECTRICAL OVERLOAD  
(20 Amps Over Known Load)**

Alternator Switch	ON
Battery Master Switch	OFF

**If Ammeter Does Not Decrease:**

Alternator Switch	OFF
Battery Master Switch	AS REQUIRED

Land As Soon As Possible

Anticipate Total Electrical Failure

**If Ammeter Does Decrease:**

Electrical Load	REDUCE
Ammeter	MONITOR

**If Ammeter Does Not Decrease Within 5 Min:**

Battery Master Switch	OFF
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Land As Soon As Possible

**If Ammeter Does Decrease Within 5 Min:**

Ammeter	MONITOR
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Proceed With Flight

**V/R ENGINE ROUGHNESS**

Carb Heat	ON
Mixture	ADJUST
Fuel Pump	ON
Fuel Selector	SWITCH TANKS
Engine Instruments	CHECKED
Magnetos	CHECKED
Checklist	COMPLETE

**V/R CARBURETOR ICING**

Carb Heat	ON
Mixture	ADJUST
Checklist	COMPLETE

**V/R OPEN DOOR IN FLIGHT**

Airspeed	89 KIAS MAX
Cabin Vents	CLOSED
Storm Window	OPEN
If Top Latch Open	LATCH
If Side Latch Open	LATCH
If Both Latches Open	SIDE LATCH FIRST THEN TOP LATCH
Checklist	COMPLETE

**V/R STARTING ENGINE (FLOODED)**

Throttle	OPEN
Alternator Switch	ON
Battery Master Switch	ON
Fuel Pump	OFF
Mixture	IDLE CUT-OFF
Propeller Area	CLEAR
Starter	ENGAGE
Mixture	ADVANCE
Throttle	REDUCE
Oil Pressure	CHECKED
Mixture	LEAN
Checklist	COMPLETE