

Challenge

Response

ENGINE FIRE DURING START UPCranking **CONTINUE**

IF ENGINE STARTS:

Throttle..... 1700 RPM

Engine..... **SHUTDOWN**Engine..... **INSPECT**

IF ENGINE FAILS TO START:

Throttle..... **FULL OPEN**Mixture..... **IDLE CUT-OFF**Cranking **CONTINUE**Fuel Selector..... **OFF**Fuel Pump..... **OFF**Magnetos..... **OFF**Master Switch..... **OFF**Engine..... **SECURE**Fire Extinguisher **OBTAIN / ARM**Airplane..... **EVACUATE**Engine..... **INSPECT****ENGINE FIRE IN FLIGHT**Mixture..... **IDLE CUT-OFF**Fuel Selector..... **OFF**Fuel Pump..... **OFF**Master Switch..... **OFF**Vents Heat / Air..... **CLOSED**

(except wing root vents)

Airspeed..... **100 KIAS**

(If fire is not extinguished, increase glide speed to find an airspeed which will provide an incombustible mixture.)

Forced Landing..... **EXECUTE****SEE ENGINE FAILURE IN FLIGHT: NO RESTART CHECKLIST****ENGINE FAILURE DURING TAKEOFF ROLL**Throttle..... **IDLE**Brakes..... **APPLY**Wing Flaps..... **Retract**Mixture..... **OFF**Magnetos..... **OFF**Master Switch..... **OFF****ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF**Airspeed..... **(flaps up) 75 KIAS**Mixture..... **IDLE CUT-OFF**Fuel Selector..... **OFF**Magnetos..... **OFF**Wing Flaps..... **AS REQUIRED**Master Switch..... **OFF**Door..... **UNLATCH**

Highlighted Items Should be Committed to Memory

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ENGINE FAILURE IN FLIGHTTrim for Best Glide **75 KIAS**

Pick Suitable Landing Site

Fly Toward Landing Site

Fuel Selector..... **BOTH**Fuel Pump..... **ON**Mixture..... **RICH**Magnetos..... **ON / BOTH**

IF NO RESTART OR AN OFF AIRPORT LANDING IS NECESSARY:

Squawk Code: 7700 (121.5)

Passenger Briefing..... **COMPLETE**Mix, Mags, Fuel Selector, Fuel Pump..... **OFF**Flaps..... **AS REQUIRED**Master Switch..... **OFF**Seats / Seat Belts..... **SECURE**Loose Objects..... **STOW**Doors..... **AJAR****ELECTRICAL FIRE IN FLIGHT**Master Switch..... **OFF**All Other Switches Except Ignition **OFF**Vents Heat / Air..... **CLOSED**Fire Extinguisher **ACTIVATE**

WARNING: AFTER DISCHARGING FIRE EXTINGUISHER WITHIN CLOSED CABIN, VENTILATE CABIN

IF FIRE APPEARS OUT AND ELECTRICAL POWER IS NECESSARY FOR CONTINUANCE OF FLIGHT

Circuit Breakers check for faulty circuit, do not reset

Master Switch..... **ON**Avionics Switch (Bus 1) **ON**Avionics Switch (Bus 2) **ON****AMMETER SHOWS EXCESSIVE RATE OF CHARGE**Alternator **OFF**Non-Essential Electrical Equipment **OFF**Flight..... **LAND AS SOON AS PRACTICAL****LOW VOLTAGE LIGHT ILLUMINATES IN FLIGHT**Avionics Switch (Bus 1 & 2)..... **OFF**Alternator Circuit Breakers **CHECK IN**Master Switch..... **OFF**Master Switch..... **ON**Low Voltage Light..... **CHECK OFF**Avionics Switch (Bus 1 & 2)..... **ON**

IF LOW VOLTAGE LIGHT ILLUMINATES AGAIN

Alternator **OFF**Non-Essential Radio / Electrical Equipment..... **OFF**Flight..... **LAND AS SOON AS POSSIBLE**

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AIR DATA SYSTEM FAILURE**RED X-PFD AIRSPEED INDICATOR**

ADC/AHRS Circuit Breakers.....CHECK IN

If open, reset circuit breaker. If circuit breaker opens again,
do not reset.

Standby Airspeed Indicator USE

RED X-PFD ALTITUDE INDICATOR

ADC/AHRS Circuit Breakers.....CHECK IN

If open, reset circuit breaker. If circuit breaker opens again,
do not reset.

Standby Altimeter USE

AHRS FAILURE**RED X-PFD ATTITUDE INDICATOR**

ADC/AHRS Circuit Breakers.....CHECK IN

If open, reset circuit breaker. If circuit breaker opens again,
do not reset.

Standby Attitude Indicator USE

RED X-PFD HORIZONTAL SITUATION INDICATOR

ADC/AHRS Circuit Breakers.....CHECK IN

If open, reset circuit breaker. If circuit breaker opens again,
do not reset.

Magnetic Compass.....USE