

N333HE EMERGENCY CHECKLIST

ENGINE FIRE GROUND START

If Engine Starts...

Throttle 2000RPM MOMENTARILY
 Throttle CLOSE
 Mixture IDLE CUT OFF
 Fuel Selector Valves OFF
 Auxiliary Fuel Pump OFF
 Magneto Switch OFF
 Battery/Alternator Switches OFF
 EXIT AIRPLANE

If Engine Does NOT Start...

Mixture IDLE CUT OFF
 Ignition Switch CONTINUE
 CRANKING
 Throttle OPEN
 Fuel Selector Valves OFF
 Battery/Alternator Switches OFF

ENGINE FAILURE DURING GROUND ROLL

Throttles CLOSE
 Braking MAX
 Yoke AFT

Affected Engine....

Mixture IDLE CUT OFF
 Auxiliary Fuel Pump OFF
 Fuel Selector Valve OFF
 Alternator Switch OFF
 Magneto Switch OFF

ENGINE FAILURE AFTER LIFT OFF

Gear UP
 Flaps UP
 IDENTIFY - VERIFY - FEATHER
 Airspeed Min 91 mph/79 kts
 VYSE 108 mph / 94 kts

Secure Inoperative Engine....

Mixture IDLE CUT OFF
 Fuel Selector Valve OFF
 Aux Fuel Pump OFF
 Magneto Switch OFF
 Alternator Switch OFF
 Cowl Flap CLOSED

ENGINE FIRE IN FLIGHT

Mixture IDLE CUT OFF
 Auxiliary Fuel Pump OFF
 Fuel Selector Valves OFF
 Alternator Switch OFF
 Magneto Switch OFF
 Prop FEATHER

ENGINE FAILURE IN FLIGHT / AIR RESTART

Altitude CONSERVE
 Airspeed >108 mph / 94 kts
 Fuel Selector Valve ON
 Crossfeed CONSIDER
 Throttle SET ~ 1/4 OPEN
 Mixture ADJUST
 Auxiliary Fuel Pump LOW
 Magneto Switch RESTART

Restart from Feathered Position

Throttle SET ~ 1/4 OPEN
 Prop FORWARD
 Mixture (Above 5,000) RICH
 (Below 5,000) 1/2 OPEN

Magneto Switch RESTART

*If engine fails to run, clear engine by allowing it to windmill with mixture in Idle Cutoff. When Engine fires advance mixture to full rich.

When Engine Starts...

Throttle ~15" MP
 Mixture ADJUST
 Aux Fuel Pump OFF
 Alternator Switch ON
 Oil Pressure CHECK

CROSSFEED

Left Engine Inop

1. R Fuel Pump LOW
 2. L Fuel Selector OFF
 3. R Fuel Selector CROSSFEED
 4. R Fuel Pump LOW or OFF

Right Engine Inop

1. L Fuel Pump LOW
 2. R Fuel Selector OFF
 3. L Fuel Selector CROSSFEED
 4. L Fuel Pump LOW or OFF

EMERGENCY DESCENT

Throttles IDLE
 Props FULL FORWARD
 Airspeed 175 mph/152 kts
 Gear DOWN
 Flaps 15°
 Descent INITIATE

MAXIMUM GLIDE ZERO ENGINE LANDING

Vg 123 mph / 107 kts
 Props FEATHER
 Flaps UP
 Gear UP

Cowl Flaps CLOSED
 (Glide Ratio ~2:1)

S.E. LANDING

When landing assured...

Gear DOWN
 Flaps 15°
 Airspeed NORMAL APPROACH
 Descent Rate Max 800 fpm
 Flaps 30°

S.E. GO AROUND

Throttles MAX
 Flaps 15°
 Gear UP
 Flaps 0°
 Airspeed 108 mph / 94 kts

LANDING GEAR MANUAL EXTENSION

Airspeed 150 - 173 mph/
 130-150 kts
 Gear Motor Circuit Breaker PULL
 Gear Handle DOWN
 Gear Extension Cover REMOVE
 Gear Extension TURN CLOCKWISE
 (Approximately 50 turns)
 Hand Crank STOW

DO NOT RETRACT LANDING GEAR AFTER MANUAL EXTENSION

GEAR UP LANDING

Throttles IDLE
 Mixtures IDLE CUT OFF
 Magneto Switch OFF
 Battery/Alternator Switches OFF
 Fuel Selector Valves OFF

PITCH TRIM RUNAWAY

Aircraft Attitude MAINTAIN
 Pitch Trim Switch HOLD OPPOSITE
 Pitch Trim Switch OFF
 Pitch Trim Circuit Breaker PULL
 Re-Trim Aircraft Manually

SPIN RECOVERY

Simultaneously...

Control Column FULL FORWARD
 Throttles IDLE
 Full Rudder OPPOSITE THE SPIN
Once Rotation Stops...
 All Controls NEUTRALIZE
 Control Column PULLOUT OF DIVE

UNLATCHED DOOR IN FLIGHT

Airspeed 120 mph/104 kts
 Storm Window OPEN
 Slip TO THE RIGHT
 Door CLOSE

ELECTRICAL MALFUNCTION

ONE ALTERNATOR OUT LIGHT

Loadmeter CHECK
 No Load? AFFECTED SIDE OFF
 Elec Load Reduce

BOTH ALTERNATOR OUT LIGHT

- No load indicates failure of Regulator...
 - Switch regulators
 - System should indicate normal
- If Condition Recurs...
 - Switch to original regulator
 - System returns to normal, indicates overload condition causing malfunction
- If condition indicates malfunction of both alternator circuits...
 - Both ALT Switches - OFF
 - Minimize electrical load since only battery power will be available

ICING FLIGHT EMERGENCIES

Emergency Static Air Source...

Standby Static Air Selector ON

Surface Deice System...

Pitot Heat ON
 Prop Anti-Ice ON
 Windshield Anti-Ice MOM/ON
 Fuel Vent Heat ON



FLIGHT SCHOOL
 of
 Greenville