Engine Failure Check > 2,000 Ft AGL Following Partial Or Full Engine Failure Or Rough Running

Fuel..... CHANGE TANK & CONTENTS
Primer.....Locked
Fuel Pump/Pressure.....ON/CHECK
Carb Heat .....ON
Mixture..... RICH
Throttle ..... EXERCISE
Magnetos ..... CHECK ON
Temps & Pressures..... CHECK
Restart.....ATTEMPT

EFATO & Crash Checks

Lower nose to maintain 65 knots minimum.
Landing area +/30 degrees. Flaps as necessary
MAYDAY call..... MAKE
Throttle .....CLOSE
Mixture..... ICO
Fuel Selector.....OFF
Fuel Pump .....OFF
Magnetos .....OFF
Seat Belts/Harnesses..... TIGHT
Door Top Latch..... UNLATCHED
Advise Pax .....BRACE BRACE!
Master Switch .....OFF

Engine Fire Drill In The Air / Ground

Fuel Selector.....OFF
Throttle ..... CLOSED
Mixture..... ICO
Fuel Pump .....OFF
Magneto/Starter Switch .....OFF
Cabin Heater .....OFF
INITIATE FORCED LANDING PROCEDURE - DO *NOT* ATTEMPT RESTART
Master Switch .....OFF
Top Door latch..... UNLATCHED
Seat Belts/Harnesses..... TIGHT

Engine Fire Drill During Start

Starter..... CRANK ENGINE
Mixture..... ICO
Throttle..... FULL OPEN
Fuel Pump.....OFF
Fuel Selector.....OFF
Fire Extinguisher .....TAKE & USE
IF FIRE CONTINUES ABANDON AIRCRAFT AND PROCEED UPWIND

Cabin Fire Drill In The Air

Master Switch.....OFF
Cabin heat & defroster.....OFF
Vents .....OPEN
Fire Extinguisher..... Consider but beware fumes
Land..... ASAP

Loss Of Oil Pressure

Land as soon as possible. Monitor oil temp. Prepare for forced landing

High Oil Temp

Land as soon as possible. Monitor oil pressure. Prepare for forced landing

Loss of Fuel Pressure

Fuel Pump.....ON
Fuel Selector.....Select Full Tank

Open Door In Flight

Airspeed .....87 kt
Cabin Vents.....CLOSE
Storm Window .....OPEN
Side latch .....PULL ARM REST / LATCH
Top Latch ..... LATCH

Engine Roughness

Carb Heat.....ON
If roughness continues after 1 min:
Cab heat .....OFF
Mixture.....ADJUST
Fuel Pump.....ON
Fuel Selector..... CHANGE TANK
Engine Gauges ..... CHECK
Magnetos ..... L then R then BOTH
If operation satisfactory on either one, continue on that magneto on reduced power and full RICH mixture. Divert to nearest suitable airfield. PAN CALL. Prepare for forced landing

RADIO FAILURE DRILL

Battery Master Switch..... CHECK
Circuit Breakers ..... CHECK
Radio .....ON
Frequency Correct?
Operate TEST
Volume UP
Audio Panel ..... Switches correct
Headset .....Jack Plugs, Use Spare

If not restored transponder 7600
Transmit Blind

RECOMMENDED SPEEDS (IAS knots)

Climb Best Rate (Vy) Flaps Up 76
Climb Best Angle (Vx) 64
Best Glide Flaps Up..... 75
Cruise 110
V_{at} Full Flap (40°) 66
V_{at} Flapless 70

LIMITING SPEEDS (IAS knots)

V_{fe} 102
V_{no} 125
V_{ne}..... 154

Max Demo Crosswind 17

USEABLE FUEL

Full Tanks..... 182 L - 130 kgs

MAUW.....1156 kgs

ALTERNATOR FAILURE

Non Essential Electrics.....OFF
Alternator switch.....OFF
Alternator Circuit Breaker CHECK / RESET
Alternator switch.....OFF
Ammeter / Warning light ..... CHECK
If no output:
Alternator switch.....OFF
Electrical Load ..... MIN SAFE
If output restored:
Electrical load ..... AS REQUIRED

USEFUL FREQS

Sherwood Flying Club 123.65
Nottingham EGBN 134.875
East Mids EGNX 134.175
Waddington EGXW.....119.5
Conningsby 119.2

East Mids EGNX ATIS 122.675

HASELL

H	Height	Sufficient to Recover by 3000ft
A	Airframe	Flap as required
S	Security	Harnesses tight Loose Articles Stowed
E	Engine	Fuel Contents Fuller Tank Fuel Pump **ON** Mixture RICH Carb Heat Aa Required T's & P's check
L	Location	Active Airfields Built Up Areas Cloud Controlled Airspace Danger Areas
L	Lookout	Stalls Min 180° (2 x 90°)