

C177RG BOLDFACE EMERGENCY PROCEDURES / AIRCRAFT OPS LIMITS

NAME:

CHECKED BY:

DATE:

SECTION I: BOLDFACE EMERGENCY PROCEDURES

ENGINE FIRE DURING START

1. Continue to crank the engine (attempt to draw fire into the engine)
2. Mixture - Idle Cutoff
3. Auxiliary Fuel Pump - Off
4. Fuel Selector Lever - Off
5. Master Switch – Off
6. Evacuate the aircraft
7. Fight fire with fire bottle if available

ENGINE FIRE IN FLIGHT

1. Mixture - Idle Cutoff
2. Fuel Selector Lever - Off
3. Master Switch - Off
4. Cabin Heat and Air - Off (except overhead vents)
5. Airspeed - 100 to 120 MPH. Increase speed if fire continues

ENGINE FAILURE IN FLIGHT (CRUISE)

1. Airspeed - 85 MPH
2. Fuel Selector Valve - Both
3. Mixture - Rich
4. Auxiliary Fuel Pump - On
5. Ignition Switch - Both (or Start if prop is not wind milling)

EMERGENCY APPROACH AND LANDING WITHOUT ENGINE POWER

1. Airspeed 85 mph (flaps up) – 75 mph (flaps down)
2. Mixture - Idle Cutoff
3. Fuel Selector Lever - Off
4. Ignition Switch - Off
5. Landing Gear – Down (Up if terrain is rough or soft)
6. Flaps – as required (30° recommended)
7. Master Switch – Off
8. Doors – Unlatched prior to touchdown

V SPEEDS (MAX GROSS WEIGHT)

1. VA 130 mph
2. V_{FE} 150 mph First Extension Increment
3. V_{FE} 110 mph Second Extension Increment
3. V_{LO} 140 mph Landing Gear Extension
4. V_{SO} 57 mph Landing Configuration
5. V_{S1} 66 mph Clean Configuration
5. Best Glide 85 mph

SECTION II: AIRCRAFT OPERATION LIMITATIONS

Engine RPM Normal	2100-2500	Oil Pressure Maximum	100 PSI
Engine RPM Max	2700	Fuel Type	100 LL
Manifold Pressure	15 to 25 in. Hg	Fuel Capacity (Total)	61 gal
		Fuel Capacity (Usable)	60 gal
Oil Quantity	9 qts		
Oil Temp Maximum	245° F	Max Gross Weight	2800 lbs
Oil Pressure Minimum	25 PSI	Max Baggage	120 pounds
Oil Pressure Normal	60 - 90 PSI		