

ENGINE FAILURE DURING TAKEOFF

1. Throttle IDLE
2. Brakes APPLY
3. Flaps RETRACT
4. Mixture IDLE CUTOFF
5. Ignition Switch OFF

EMERGENCY LANDING IMMEDIATELY AFTER TAKEOFF

1. Airspeed 70 KIAS (flaps up)
65 KIAS (flaps down)
2. Mixture IDLE CUT-OFF
3. Fuel Selector Valve OFF
4. Ignition Switch OFF
5. Wing Flaps AS REQUIRED
6. Master Switch OFF

ENGINE FAILURE DURING FLIGHT

1. Airspeed 70 KIAS
2. Carb Heat ON
3. Fuel Selector BOTH
4. Mixture RICH
5. Ignition Switch BOTH
6. Primer IN & LOCKED

EMERGENCY LANDING WITHOUT ENGINE POWER

1. Airspeed 70 KIAS (flaps up)
65 KIAS (flaps down)
2. Mixture IDLE CUT-OFF
3. Fuel Selector Valve OFF
4. Ignition Switch OFF
5. Wing Flaps AS REQUIRED
6. Master Switch OFF
7. Doors UNLATCH PRIOR TO TOUCHDOWN
8. Touchdown SLIGHTLY TAIL LOW
9. Brakes APPLY HEAVILY

EMERGENCY LANDING WITH ENGINE POWER

1. Flaps 20 DEGREES
2. Airspeed 65 KTS
3. Select Field FLY OVER
(Note terrain, obstructions, then retreat flaps upon reaching a safe altitude and airspeed)
4. Radio/Elec. Switches OFF
5. Wing Flaps 40 DEGREES
6. Airspeed 65 KTS
7. Master Switch OFF
8. Doors UNLATCH PRIOR TO TOUCHDOWN
9. Touchdown SLIGHTLY TAIL LOW
10. Ignition Switch OFF
11. Brakes APPLY HEAVILY

FIRES DURING START ON GROUND

1. Cranking CONTINUE
(IF ENGINE STARTS)
2. Power 1700 RPM for a few minutes
3. Engine SHUTDOWN inspect
(IF ENGINE FAILS TO START)
4. Throttle FULL OPEN
5. Mixture IDLE CUT-OFF
6. Cranking CONTINUE
7. Fire Extinguisher OBTAIN
8. Engine SECURE
9. Master Switch OFF
10. Ignition Switch OFF
11. Fuel Selector OFF
12. Fire EXTINGUISH
13. Fire Damage INSPECT

ENGINE FIRE IN FLIGHT

1. Airspeed >100 KIAS
2. Mixture IDLE CUTOFF
3. Fuel Selector OFF
4. Master Switch OFF
5. Cabin Heat and Air OFF
6. Forced Landing EXECUTE

ELECTRICAL FIRE IN FLIGHT

1. Master Switch OFF
2. Avionics Switch OFF
3. All Other Switches(not ignition) OFF
4. Vents/Cabin Air/Heat CLOSED
5. Fire Extinguisher ACTIVATE
(Ventilate cabin after discharge)

CABIN FIRE

1. Master Switch OFF
2. Vents/Cabin Air/Heat CLOSED
3. Fire Extinguisher ACTIVATE
(Ventilate cabin after discharge)
4. Land AS SOON AS POSSIBLE

WING FIRE

1. Slip with impacted wing behind
2. Navigation Switch OFF
3. Strobe Light Switch OFF
4. Pitot Heat Switch OFF

ICING

1. Pitot Heat Switch ON
2. Turnback or change altitude
3. Cabin Heat/Defrost ON
4. Increase engine speed
5. Leave wing flaps retracted
6. Approach at 80 to 90 KIAS

OVER-VOLTAGE LIGHT

1. Master Switch OFF (both)
2. Master Switch ON (both)
3. Over-Voltage Light VERIFY OFF
4. If Over-Voltage Light comes back on,
TERMINATE flight as soon as possible







AMMETER SHOWS DISCHARGE

1. Alternator OFF
2. Nonessential Elec. Equipment OFF
3. TERMINATE flight as soon as possible

EMERGENCY SQUAWKS

HIJACK.....	7500
LOST COMMS.....	7600
EMERGENCY.....	7700

AIRCRAFT LIGHT GUN SIGNALS

COLOR & TYPE	GROUND	AIR
STEADY GREEN 	Cleared for takeoff	Cleared to land
FLASHING GREEN 	Cleared for taxi	Return for landing (to be followed by steady green)
STEADY RED 	STOP!	Give way to other aircraft and continue circling
FLASHING RED 	Taxi clear of runway in use	Airport unsafe, do not land
FLASHING WHITE 	Return to starting point on airport	N/A
ALTERNATING RED/GREEN 	Exercise extreme caution	

OFFICE # 970.254.0444

IF YOU ARE UNABLE TO RETURN TO GRAND JUNCTION WHEN EXPECTED/A LANDING IS REQUIRED AT ANOTHER AIRPORT DUE TO MECHANICAL ISSUES OR WEATHER, PLEASE CLOSE YOUR FLIGHT PLAN, THEN CALL YOUR INSTRUCTOR OR THE SCHOOL OFFICE/CHIEF FLIGHT INSTRUCTOR AS SOON AS PRACTICAL.

PATTERN WORK

Downwind 90 KIAS MAX
 Abeam Numbers 80 KIAS / FLAPS 10°
 Base Leg.....70 KIAS / FLAPS 20°
 Final Leg.....60-70 KIAS/FLAPS AS DESIRED

C-GUMPS

Cowl Flaps.....CLOSED
Carb Heat.....ON
Gas (Fuel Selector)..... BOTH
Undercarriage DOWN AND LOCKED
Mixture SET
Propeller.....2400 RPM
Switches.....CHECK

FLOODED START

Mixture Control.....FULL LEAN
 Throttle.....FULL OPEN
 Ignition Switch.....START
 (Repeat procedure w/out additional priming)

SPEEDS

Vy.....75 KIAS
 Vx.....58 KIAS
 Va.....2905 lbs 111 KIAS
2450 lbs 100 KIAS
1959 lbs 89 KAS
 Normal Approach 30° Flaps.....60-70 KIAS
 Best Glide.....70 KIAS

LOCAL FREQUENCIES

ATIS.....118.55 MHz
 Ground.....121.7 MHz
 Tower.....118.1 MHz
 Practice Area.....122.75 MHz
 Flight Service.....122.6 MHz
 Denver Center.....134.5 MHz
 Denver Approach/Departure.....119.7 MHz



182 EMERGENCY CHECKLIST

