



"CESSNA C-182T G1000 CC-AAJ"

A.-Operating Limitations

1.- Limitations (Speed)

	KIAS
Va (3100 Lbs)	110
Vne	175
Vno	140
Vfe	100
Vs	54
Vso	49
Vx	64
Vy	80
Vr	50-60
Vapp (Flap DN)	60-70
Vglide (3100 Lbs)	76
Max Crosswind	15

2.- Fuel (U.S. GAL)

Approved Fuel Grades	100LL
Total Capacity	92
Total Usable	87

3.- Weight (LBS)

Maximum Takeoff	3100
Baggage Allowance	200

4.- Engine (Maximum Continuous Power)

Engine Operating Limitations	
Reason HP o BHP	230
Maximum RPM	2400
Cylinder Head Temperature (°F)	
Maximum	500
Minimum	200
Oil Temperature (°F)	
Maximum	245
Minimum	100
Oil Pressure (PSI)	
Maximum	115
Minimum	20

5.- Maneuvering Limits (Normal Cat)

MANEUVER	KIAS
Spin (Flaps UP)	Not Approved
Steep Turns	110
Lazy Eights	110
Chandelles	110

B.-EMERGENCY PROCEDURES

1. ENGINE FAILURE DURING TAKEOFF ROLL

1. Throttle Control	IDLE
2. Brakes	APPLY
3. Wing Flaps	RETRACT
4. Mixture Control	IDLE
5. MAGNETOS Switch	OFF
6. STBY BATT Switch	OFF
7. MASTER Switch (ALT and BAT)	OFF

2. ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

1. Speed	75 KIAS Flaps UP 70 KIAS Flaps 10 - FULL
2. Mixture Control	IDLE
3. FUEL SELECTOR Valve	OFF
4. MAGNETOS Switch	OFF
5. Wing Flaps	AS REQUIRED
6. STBY BATT Switch	OFF
7. MASTER Switch (ALT and BAT)	OFF
8. Cabin Door	UNLATCH
9. Land	STRAIGHT AHEAD

3. ENGINE FAILURE DURING FLIGHT (Restart Procedures)

- | | |
|------------------------|--|
| 1. Airspeed | <u>76 KIAS</u> |
| 2. FUEL SELECTOR Valve | <u>BOTH</u> |
| 3. FUEL PUMP Switch | <u>ON</u> |
| 4. Mixture Control | <u>RICH</u> |
| 5. MAGNETOS Switch | <u>BOTH (or START if propeller is stopped)</u> |

4. DURING START ON GROUND

- | | |
|--------------------|--------------|
| 1. MAGNETOS Switch | <u>START</u> |
|--------------------|--------------|

IF ENGINE STARTS:

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|-----------|-------------------------------------|
| 2. Power | <u>1800 RPM (for a few minutes)</u> |
| 3. Engine | <u>SHUTDOWN</u> |

IF ENGINE FAILS TO START:

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|--------------------------------|----------------------------|
| 1. Throttle Control | <u>FULL (push full in)</u> |
| 2. Mixture Control | <u>IDLE</u> |
| 3. MAGNETOS Switch | <u>START</u> |
| 4. FUEL SELECTOR Valve | <u>OFF</u> |
| 5. FUEL PUMP Switch | <u>OFF</u> |
| 6. MAGNETOS Switch | <u>OFF</u> |
| 7. STBY BATT Switch | <u>OFF</u> |
| 8. MASTER Switch (ALT and BAT) | <u>OFF</u> |
| 9. Engine | <u>SECURE</u> |
| 10. Parking Brake | <u>RELEASE</u> |

11. Fire Extinguisher	OBTAIN
12. Airplane	EVACUATE
13. Fire	EXTINGUISH
14. Fire Damage	INSPECT

5. ENGINE FIRE IN FLIGHT

1. Mixture Control	IDLE
2. FUEL SELECTOR Valve	OFF
3. FUEL PUMP Switch	OFF
4. MASTER Switch (ALT and BAT)	OFF
5. Cabin Vents	OPEN
6. CABIN HT and CABIN AIR	OFF
7. Airspeed	100 KIAS
8. Forced Landing	EXECUTE

6. FORCED LANDINGS

1. Pilot and Passenger Seat Backs	MOST UPRIGHT POSITION
2. Seats and Seat Belts	SECURE
3. Airspeed	75 KIAS – Flaps UP 70 KIAS – Flaps DN
4. Mixture Control	IDLE
5. FUEL SELECTOR Valve	OFF
6. MAGNETOS Switch	OFF
7. Wing Flaps	AS REQUIRED

- 8. STBY BATT Switch OFF
- 9. MASTER Switch (ALT and BAT) OFF
- 10. Doors UNLATCH PRIOR TO TOUCHDOWN
- 11. Touchdown SLIGHTLY TAIL LOW
- 12. Brakes APPLY HEAVILY