



**DEPARTAMENTO “SEGURIDAD OPERACIONAL”**  
**SUBDEPARTAMENTO “LICENCIAS”**  
**SECCIÓN EVALUACIONES**

**“GRAND CARAVAN C-208B”**  
**(AEROSERVICIO S.A.)**

**A.- Limitaciones de Operación**

1.- Limitaciones de Velocidad	
	KIAS
Vmo	175
Va 8750 lbs	148
Va 7500 lbs	137
Va 6250 lbs	125
Va 5000 lbs	112
Vfe 10°	172
Vfe 20°	150
Vfe 30°	125
Max. window open	175
Vy	104
Vx	72
Vs	63
Vso	50
Max Glide 8750 lbs	95
Max Cross Wind	20

3.- Pesos (LBS)	
Maximum TAKE-OFF	8.750
Maximum ramp	8.785
Maximum Landing	8.500

4.- Starter Limitations with battery					
30	Seg	On	60	Seg	Off
30	Seg	On	60	Seg	Off
30	Seg	On	30	Min	Off

5- Starter Limitations with external power					
20	Seg	On	120	Seg	Off
20	Seg	On	120	Seg	Off
20	Seg	On	60	Min	Off

2.- Combustible (lbs)	
Tipo a Utilizar	Jet A, jet A-1, jet B, jp-1, jp-4, jp-5, jp-8, avgas
Capacidad Utilizable (lbs)	2.224
Unbalance (lbs)	200

## **B.- Emergencies Procedures**

### **1.- ENGINE FAILURE DURING TAKEOFF ROLL**

<b>Power Lever</b>	<b>BETA RANGE</b>
<b>Brakes</b>	<b>APPLY</b>

### **2.- ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF**

<b>Airspeed</b>	<b>85 KIAS WITH 20° FLAPS</b>
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### **3.- ENGINE FAILURE DURING FLIGHT**

<b>Airspeed</b>	<b>95 KIAS</b>
<b>Power lever</b>	<b>IDLE</b>
<b>Propeller control lever</b>	<b>FEATHER</b>
<b>Condition lever</b>	<b>CUT-OFF</b>

### **4.- ENGINE FLAMEOUT DURING FLIGHT**

#### **a.- If gas generator speed (Ng) is above 50%**

<b>Power Lever</b>	<b>IDLE</b>
<b>Ignition Switch</b>	<b>ON</b>

#### **b.- If gas generator speed (Ng) is below 50%:**

<b>Fuel Condition Lever</b>	<b>CUT-OFF</b>
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### **5.- ENGINE FIRE DURING START ON GROUND (Red ENGINE FIRE Annunciator ON or OFF).**

<b>Fuel Condition Lever</b>	<b>CUT-OFF</b>
<b>Fuel Boost Switch</b>	<b>OFF</b>
<b>Starter Switch</b>	<b>MOTOR</b>

## **6.- CABIN FIRE DURING GROUND OPERATIONS**

<b>Power Lever</b>	<b>IDLE</b>
<b>Brakes</b>	<b>AS REQUIRED</b>
<b>Propeller Control Lever</b>	<b>FEATHER</b>
<b>Fuel Condition Lever</b>	<b>CUT-OFF</b>
<b>Battery Switch</b>	<b>OFF</b>
<b>Airplane</b>	<b>EVACUATE</b>

## **7.- WIND FIRE**

<b>Pitot/Static Heat Switch</b>	<b>OFF</b>
<b>Stall Heat Switch</b>	<b>OFF</b>
<b>Strobe Light Switch</b>	<b>OFF</b>
<b>Navigation Light Switch</b>	<b>OFF</b>
<b>Landing and Taxi Lights Switches</b>	<b>OFF</b>
<b>Radar</b>	<b>OFF</b>
<b>Ventilations Fans</b>	<b>OFF</b>

## **8.- ENGINE FIRE IN FLIGHT (Red ENGINE FIRE Annunciator ON or OFF).**

<b>Power Lever</b>	<b>IDLE</b>
<b>Propeller Control Lever</b>	<b>FEATHER</b>
<b>Fuel Condition Lever</b>	<b>CUT-OFF</b>
<b>Fuel Shutoff</b>	<b>OFF</b>
<b>Cabin Heat Firewall Shutoff Control</b>	<b>PULL OFF</b>

**9.- ELECTRICAL FIRE IN FLIGHT AND/OR CABIN FIRE**

<b>Battery Switch</b>	<b>OFF</b>
<b>Generator Switch</b>	<b>TRIP AND RELEASE</b>
<b>Stand By Power switch</b>	<b>OFF</b>
<b>Vents</b>	<b>CLOSED</b>
<b>Bleed Air Heat Switch</b>	<b>OFF</b>
<b>Fire Extinguisher</b>	<b>ACTIVATE</b>

**10.- INADVERTENT ICING ENCOUNTER**

<b>Ignition switch</b>	<b>ON</b>
<b>Inertial separator</b>	<b>BY PASS</b>
<b>Pitot/static heat switch</b>	<b>ON</b>
<b>Stall warning heat switch</b>	<b>ON</b>
<b>Windshield anti-ice switch</b>	<b>AUTO</b>
<b>Prop anti-ice switch</b>	<b>AUTO</b>
<b>If above 20.000 feet:</b>	
<b>Airspeed</b>	<b>160 KIAS or below</b>
<b>Altitude</b>	<b>DESCENDS to 20.000 feet or below as soon as practical.</b>
<b>Turn back or change altitude</b>	

**11.- FUEL CONTROL UNIT MALFUNCTION IN THE PNEUMATIC OR GOVERNOR SECTIONS (Engine Power Falls Back To Idle).**

<b>Power Lever</b>	<b>IDLE</b>
<b>Emergency Power Lever</b>	<b>AS REQUIRED</b> (maintain 65% minimum during flight).

**12.- FUEL FLOW INTERRUPTION TO FUEL RESERVOIR (Red RESERVOIR FUEL LOW Annunciator ON).**

<b>Fuel Tank Selectors</b>	<b>LEFT ON, RIGHT ON</b>
<b>Ignition Switch</b>	<b>ON</b>
<b>Fuel Boost Switch</b>	<b>ON</b>

**13.- FUEL TANK SELECTOR OFF DURING ENGINE START (Red FUEL SELECT OFF Annunciator ON and Both fuel selector warning horns activated)**

<b>Left and Right Fuel Tank Selectors</b>	<b>ON</b>
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**14.- FUEL LEVEL LOW WITH SINGLE TANK SELECTED (Red FUEL SELECTOR OFF and Amber LEFT or RIGHT FUEL LOW Annunciator ON and fuel selector warning horn activated)**

<b>Left and Right Fuel Tank Selectors</b>	<b>ON</b>
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