



**BOMBARDIER  
 CHALLENGER 601 3A/3R**

**A.- LIMITATIONS**

**1.- SPEED LIMITATIONS**

Max V <sub>mo</sub> Below 10.000 ft	<b>301 KIAS</b>
Max M <sub>mo</sub>	<b>.835</b>
Turbulence Speed	<b>.82</b>
V <sub>mco</sub>	<b>280 / .75 M</b>
V <sub>fe</sub> UP to 20°	<b>108 KIAS</b>
V <sub>fe</sub> UP to 30°	<b>232 KIAS</b>
V <sub>fe</sub> up to 45°	<b>198 KIAS</b>
V <sub>lo</sub>	<b>190 KIAS</b>
V <sub>le</sub>	<b>197 KIAS / .70 M</b>
Max ADG operation	<b>250 KIAS</b>
V <sub>tire</sub>	<b>183 KIAS</b>
Max. Tailwind	<b>10 KIAS</b>

**2.- FUEL**

Type	<b>JET A-1</b>
Max fuel	<b>16.686 LBS</b>
Max fuel Imbalance	<b>800 LBS</b>

**3.- WEIGHT (LBS)**

Máximo TAKE-OFF	<b>45.100</b>
Máximo Landing	<b>36.000</b>
Max. ZFW	<b>31.000</b>
Max. ramp weight	<b>45.250</b>

**4- MISCELLANEOUS**

Max T.O . press alt	<b>10.000 FT</b>
Max Operating altitude	<b>41.000 FT</b>
Min. Air Temperature for Takeoff	<b>- 40° C</b>
Min Oil Temp for Starting	<b>- 40° C</b>
Max. T.O/Land Temp	<b>ISA + 35° C</b>
Max Differential Pressure	<b>9.2 PSI</b>
Max slope	<b>+ 2% / - 2 %</b>
Min Altitude for AP	<b>200 AGL</b>
Min AP Speed	<b>VREF</b>
Min in-flight altitude for Flight Spoiler	<b>300 AGL</b>

## **B.- IMMEDIATE ACTION ITEM**

### **1.- DOUBLE ENGINE FAILURE**

Both IN FLT START Switchlights	<b>ON</b>
Airspeed	<b>240 KIAS</b>

### **2.- ENGINE FIRE OR SEVERE DAMAGE (AFFECTED ENGINE)**

Thrust Lever (Affected Engine)	<b>SHUT OFF</b>
ENG FIRE PUSH	<b>PUSH</b>
IN FLT START (operating engine)	<b>ON (if required)</b>
IGNITION	<b>OFF</b>
FUEL PUMP Switchlight (Affected Engine)	<b>OFF</b>
<b>If warning persist</b>	
Bottle 1	<b>DISCHARGE</b>
<b>If warning persist after 30 seconds</b>	
Bottle 2	<b>DISCHARGE</b>

### **3.- APU FIRE**

APU FIRE PUSH	<b>PUSH</b>
APU START / STOP	<b>STOP</b>

### **4.- THRUST REVERSER DEPLOYMENT IN FLIGHT**

INDICATION	<b>REVERSER UNLOCK LIGHT ON</b>
	<b>UNCOMMANDED LATERAL DEVIATION</b>
	<b>AUTOMATIC THRUST LEVER RETARD TO IDLE</b>
AUTOPILOT	<b>DISENGAGE</b>
<b><i>Affected Engine</i></b>	
THRUST LEVER	<b>IDLE</b>
THRUST REV. EMERG STOW	<b>PRESSIN</b>
14 <sup>th</sup> STAGE BLEED AIR	<b>ON</b>
ANTI-ICE COWL	<b>OFF</b>
ANTI-ICE WING	<b>OFF</b>

**5.- LOSS OF ALL NORMAL GENERATED ELECTRICAL POWER**

ADG **CHECK DEPLOYED**

*If Auto-deploy fails, pull manual deploy handle for at least 1 second then stow.*

Airspeed **250 KIAS**

Emer Press (S/Ns 5001 to 5134) **ON**

**6.- RAPID LOSS OF CABIN PRESSURE**

Oxygen Masks **ON/EMERG/100%**

Passenger Oxygen **DEPLOY**

Communications **ESTABLISH**

**7.- EMERGENCY DESCENT**

Autopilot **DISENGAGE (If necessary)**

Airspeed **MMO/VMO**

Thrust Levers **IDLE**

Flight Spoilers **EXTEND**

**8.- REJECTED TAKE-OFF**

Thrust Levers **IDLE**

Brakes **APPLY**

Flight and Ground Spoilers **EXTEND**

Maximum Braking **MAINTAIN**

**9.- EMERGENCY EVACUATION**

**LEFT SEAT PILOT**

Parking Brake **SET**

Evacuation **COMMAND**

Ground Spoilers **SELECT OFF**

Flight Spoilers **RETRACT**

Thrust Levers **SHUT OFF**

ENG & APU Fire Push (3) **PRESS**

**RIGHT SEAT PILOT**

ATC **NOTIFY**

ACU (Both) **PRESS OUT**

EMER DEPRESS **PRESS IN**

EMERGENCY LIGHTING **ON**