

CHANGE PROPOSAL RELEASE

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Change Proposal N° 17 (CP017) has been recently approved by EASA.

Pending next AFM revision, attached pages can be used in conjunction with current Revision 12.

Title and Approval reference	Sub-sub-sections changes		
	Added	Revised	Removed
CP017 "AFM: YAW DAMPER OFF IN LINE UP PROCEDURE" approved by EASA under reference M3592.		1-150-05 1-150-05A 4-100-15 4-150-05 4-150-05A 4-150-10 4-150-10A	

Insert this page before the "List of AFM revisions" sub-sub-section (0-100-05).

CHANGE PROPOSAL RELEASE

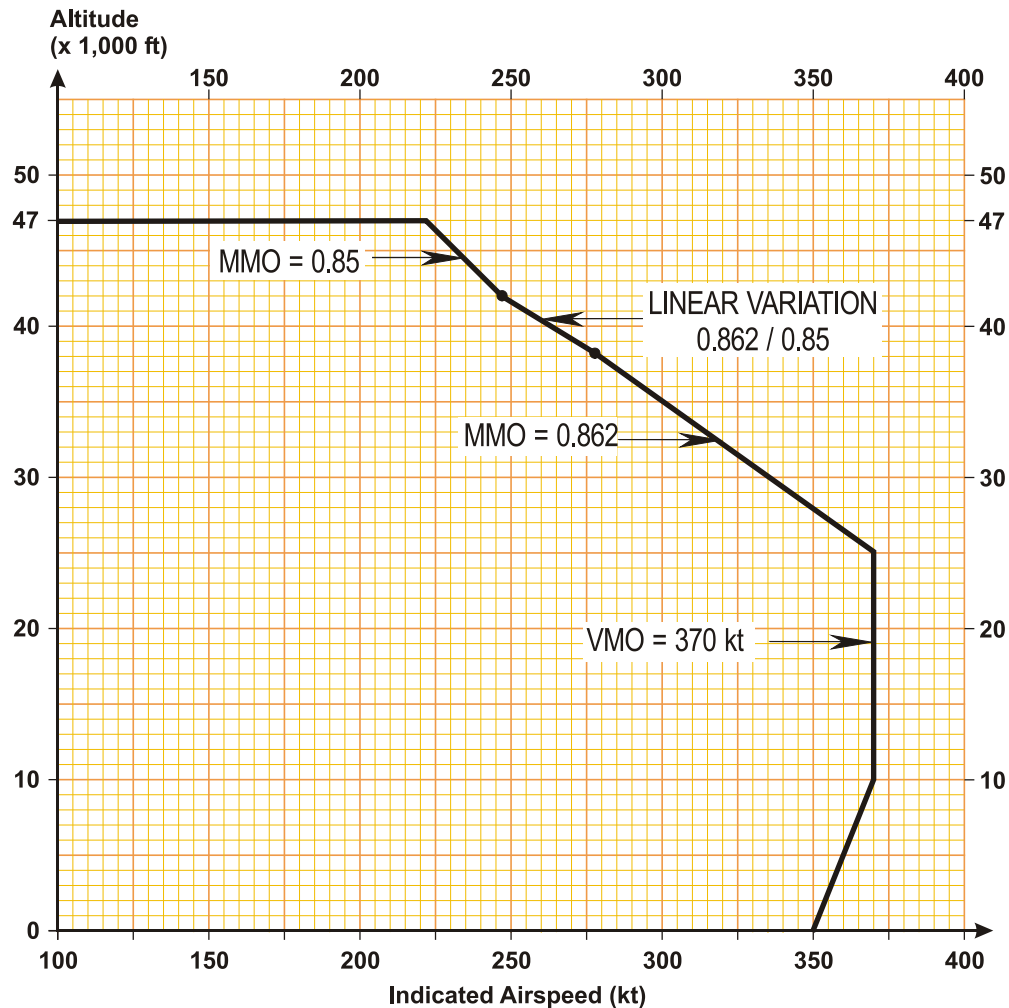
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Unless otherwise specified, limits are expressed in terms of indicated values.
Instrument error is assumed to be zero.

MAXIMUM OPERATING LIMIT SPEED

VMO / MMO ENVELOPE



CAUTION

The maximum operating limit speed VMO / MMO must not be deliberately exceeded in any regime of flight (climb, cruise, descent) unless a higher speed is authorized for flight test or pilot training.

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DESIGN MAXIMUM MANEUVERING SPEED

- VA198 KIAS

CAUTION

Full application of rudder or aileron controls, as well as maneuvers that involve angles-of-attack near the stall must be confined to speeds below VA.
Rapidly alternating large rudder applications in combination with large sideslip angles may result in structural failure at any speed.

HIGH LIFT DEVICES OPERATING OR EXTENDED LIMIT SPEEDS : VFE

- VFE Slats extended + flaps 10°200 KIAS
- VFE Slats extended + flaps 20°190 KIAS
- VFE Slats extended + flaps 40°180 KIAS

CAUTION

Above 20,000 ft do not establish or maintain a configuration with the flaps or the slats extended.

MAXIMUM LANDING GEAR OPERATING SPEED: VLO / MLO

- VLO190 KIAS
- MLOMI 0.70

VLO / MLO is the maximum speed at which it is safe to extend or retract the landing gear.

MAXIMUM LANDING GEAR EXTENDED SPEED: VLE / MLE

- VLE245 KIAS
- MLEMI 0.75

VLE / MLE is the maximum speed at which the airplane can be safely flown with the landing gear extended and locked and main doors closed.

MINIMUM CONTROL SPEED IN THE AIR: VMCA

- VMCA90 KIAS

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MINIMUM CONTROL SPEED DURING APPROACH AND LANDING: VMCL

- VMCL90 KIAS

MINIMUM CONTROL SPEED ON THE GROUND: VMCG

- VMCG98 KIAS

NOTE

VMCG value has been demonstrated with yaw damper off.

MISCELLANEOUS LIMIT SPEEDS

WINDSHIELD WIPER OPERATING SPEED

- V WWO215 KIAS

PILOT WINDOW OPENING SPEED

- V Window215 KIAS

TIRE MAXIMUM OPERATING SPEED

- V Tire 195 kt (ground speed)

STALL SPEED

CAUTION

Do not intentionally fly the airplane slower than initial stall warning onset.

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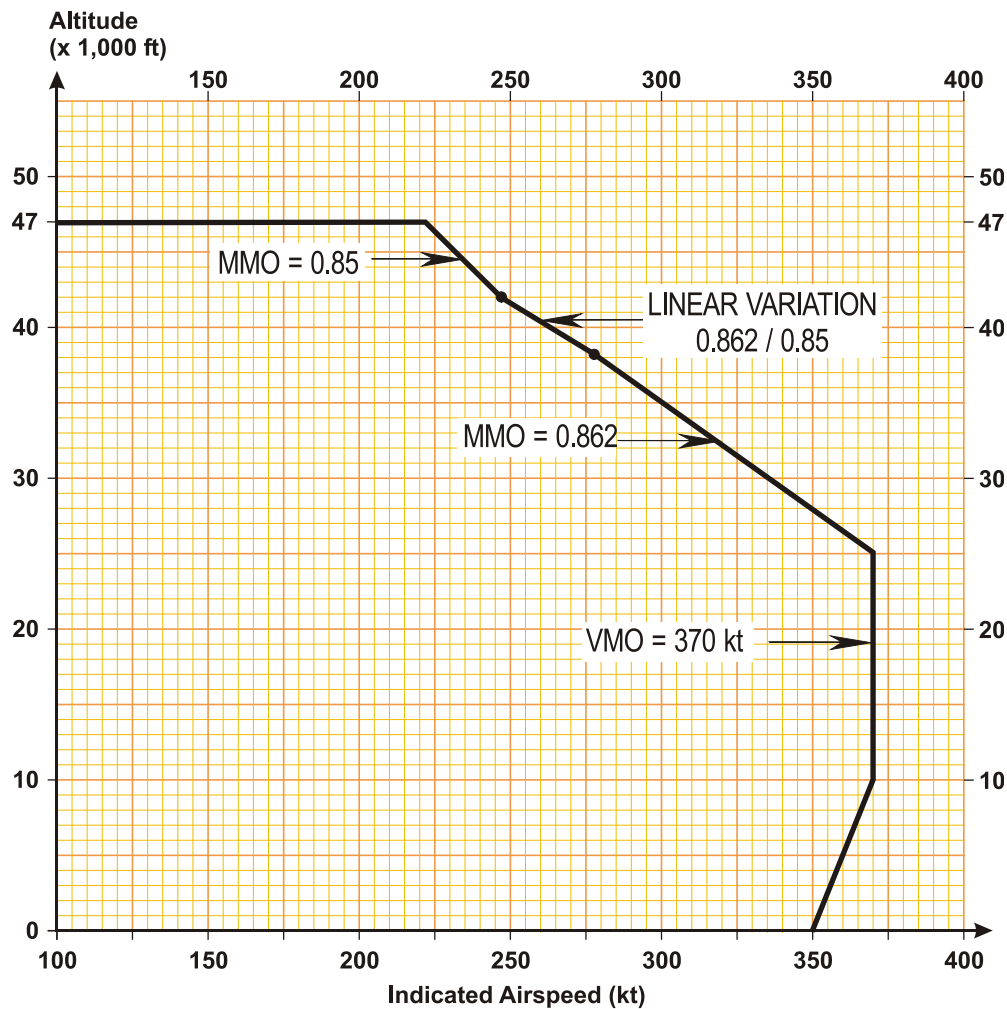
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DASSAULT AVIATION Proprietary Data

Unless otherwise specified, limits are expressed in terms of indicated values.
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MAXIMUM OPERATING LIMIT SPEED

VMO / MMO ENVELOPE



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MINIMUM CONTROL SPEED DURING APPROACH AND LANDING: VMCL

- VMCL90 KIAS

MINIMUM CONTROL SPEED ON THE GROUND: VMCG

- VMCG102 KIAS

NOTE

VMCG value has been demonstrated with yaw damper off.

MISCELLANEOUS LIMIT SPEEDS

WINDSHIELD WIPER OPERATING SPEED

- V WWO215 KIAS

PILOT WINDOW OPENING SPEED

- V Window215 KIAS

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STARTING ENGINES

NOTE

If the tailwind component exceeds 10 knots, it is recommended to reposition the airplane into the wind.

- EXTERIOR LIGHTS: ANTICOL switch RED
- Power levers Verified IDLE

► ENGINE 2 START

EIED:

- Class 2 MSG Out - Checked
- Class 3 MSG Checked
- Fault messages Checked

■ Start with APU assistance:

CAUTION

To reduce the possibility of hot or hung starts, it is recommended that residual ITT be at or below 340 °C of ambient temperature.

- RH BOOSTER switch Checked - ST BY
 - ☑ **FUEL 2** light Out
- FUEL ENG 2 switch ON
- RH START pushbutton Energize 1 sec. minimum
- At N2 above 5.2 %:
 - EIED:
 - RH **IGN** annunciation On
 - RH **START..** annunciation On
- ITT, OIL pressure, N2 then N1 Rise - Checked
- When ITT increase by 200 °C:
 - EIED: RH **IGN** annunciation Out
- With N2 idle (N2 above 50 %):
 - **START..** annunciation Out
 - EIED: RH **START..** annunciation Out
 - **PUMP 2 HYDR #1** and **PUMP HYDR #2** lights Out
 - Hydraulic 2 pressure Green range
 - Hydraulic 1 pressure Yellow range
 - **OIL 2** light Out
 - **GEN 2** light Out

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- ☒ GEN 2 voltage-load Checked
- ▶ Idle parameters Checked
- ▶ EIEDs: Class 2 messages Out - Checked
- ▶ LH BOOSTER switch ST BY
- ☒ **FUEL 1** light Out
- ▶ FUEL ENG 1 switch ON
- ▶ LH START pushbutton Energize 1 sec. minimum

► **ENGINE 1 START**

■ **If APU assisted start:**

- ▶ Use same starting procedures as for engine 2.
- ▶ With N2 above 50 %:
 - ▶ **START..** annunciation Out
 - ▶ EIED: LH **START..** annunciation Out
 - ▶ **PUMP 1 HYDR #1** light Out
 - ▶ Hydraulic 1 pressure Green range
 - ▶ **OIL 1** light Out
 - ▶ **GEN 1** light Out
 - ☒ GEN 1 voltage-load Checked
 - ▶ Idle parameters Checked
 - ▶ EIEDs: Class 2 messages Out - Checked

■ **If GPU (air) assisted start:**

- ▶ Use same starting procedures as with APU assistance.
- ▶ After engines start:
 - ▶ GPU (air) Disconnected

■ **If cross bleed assisted start:**

■ **If APU running:**

- AIR CONDITIONING:
 - ▶ APU switch OFF
 - ▶ PRV 2 AUTO
 - ▶ HP 2 AUTO
 - ▶ CROSS BLEED AUTO
 - ☒ Indicator light Horizontal
- ▶ LH BOOSTER switch ST BY
- ☒ **FUEL 1** light Out
- ▶ FUEL ENG 1 switch ON
- ▶ Engine 2 N1 60 % - Checked
- ▶ Use same starting procedure as for engine 2.
- ▶ Engine 2 N1 IDLE

STARTING PROBLEMS

DISCONTINUE START WHENEVER:

- Light-off does not occur within 20 seconds maximum from start initiation.
- No indication of oil pressure after 20 seconds of N2 rotation.
- No indication of N1 rotation by 40 % N2.
- **START** annunciation in EIED swapping to **START** blinking.
- FUEL ENG switchOFF
- BOOSTER switchOFF
- If no light-off and **IGN** or **F ..XX FADEC SHUTDOWN** annunciation without **F ..XX LONG TERM DISPATCH**, **F ..XX SHOR TERM DISPATCH** or **F ..XX NO DISPATCH** annunciations in EIED:
 - Perform a dry motoring (30 seconds max.).
 - Start selector switch MOTORING
 - START pushbutton Energized
 - ITT Monitored
 - Start selector switchNORMAL

CAUTION

Do not attempt another start as long as the ITT is above 340 °C.
 If necessary, motor the engine to cool it down.
 If a new start is expected, the start selector switch should be selected on IGNITION.

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AFTER START

- DC SUPPLY: EXT PWR light pushbutton.....Pushed
 ☒ EXT PWR white light Off
- GPU (electrical)Unplugged
- ESS.BUS / RH BUS tie rotary switch..... FLIGHT NORM
 ☒ **RH BUS TIED** light Out - Checked
- Battery voltage - loadChecked
- Generator voltages - loadsChecked
- ST BY PUMP switch.....AUTO
- BOOSTER switches NORM
- Compass headingChecked
- WINDSHIELD:
- PILOT and COPILOT switches..... NORM
- SIDE switch..... ON
- INTERIOR LIGHTS: **FASTEN BELTS** light pushbutton On
- All warning panel lights out except:
 - **LH PROBES**, **RH PROBES**, **STD BY PITOT** On
 - **BRAKE PRESS** On
- Hydraulic pressures.....Checked
- Hydraulic quantity..... Green range
- STALL 1Tested *
 - Stick shaker (if installed) Activation
 - Audio warningChecked
 - EIED's: LH **IGN** annunciation..... On
 - Slats extensionVerified
 ☒ Green SLATS light flashingChecked
- Slats-flaps handle.....Take-off position
- COM - NAV - ADF Set
- Flight ID (if installed)..... Set
- AUX BAT light pushbutton (if installed).....Depressed
 ☒ Amber AUX BAT ON / OFF lights Out - Checked
- For A/C without (M2468 or SB F2000EX-84) and without (M2624 or SB F2000EX-43):*
- Transponder..... Set
- For A/C with (M2468 or SB F2000EX-84) or with (M2624 or SB F2000EX-43):*
- Transponder..... On
- End*
- RadarTEST

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- PFD / MFD Set
- Autopilot (FCP)..... On
- Autopilot (pilot control wheel AP pushbutton) Off
 - ☑ PFD's: flashing red **AP** annunciation On - Checked
 - ☑ Audio warning..... Checked
- Autopilot (FCP)..... On
- Autopilot (copilot control wheel AP pushbutton)..... Off
 - ☑ PFD's: flashing red **AP** annunciation On - Checked
- Yaw damper (FCP)..... On
 - ☑ PFD's: YD annunciation Out – Checked
- Yaw damper (FCP)..... Off
 - ☑ PFD's: yellow **R** flag Out - Checked
- 115 / 230 VAC light pushbutton (if installed) OFF
- Flights controls Free
- Chocks Removed

ANTI-ICE tests:

- Power levers IDLE - Checked
- APU bleed switch OFF

ANTI-ICE:

- WINGS switch AUTO *
 - ☑ Observe ITTs (all 2) Rising
 - ☑ WINGS light..... On
- BRAKES switch (if installed)..... AUTO
 - ☑ Amber then green BRAKES lights Checked
- BRAKES switch (if installed)..... OFF
- WINGS switch OFF
 - ☑ WINGS light..... Out
- Wait for 5 sec.
- AIR CONDITIONNING: APU switch AUTO

ANTI-ICE:

- ENG 1 - ENG 2 switches AUTO *
 - ☑ Observe ITTs (all 2) Rising
 - ☑ Green ENG lights On
- ENG 1 - ENG 2 switches OFF - As required
 - ☑ ENG lights Out
- **DOORS** light..... Out - Checked

Cockpit curtain and passenger cabin door Open - Checked

* To be performed at the first flight of the day.

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TAXIING

- Pilot window Closed - Green index checked
- EXTERIOR LIGHTS: TAXI switch On
- PARK BRAKE handle Released
 - ☑ **BRAKE PRESS** light Out
- Brakes Tested
- PARK BRAKE Tested
- Thrust reversers Tested
 - Power levers IDLE
 - Power levers T / R IDLE
 - **TRANS** white lights On then Out - Checked
 - **DEPLOY** green lights On - Checked
 - Power levers IDLE
 - **DEPLOY** green lights Out - Checked
 - **TRANS** white lights On then Out - Checked
 - **THRUST REVERSER ..** warning lights Out - Checked
- Take-off briefing Completed
- APU: START/STOP light pushbutton Pushed
 - ☑ START/STOP green light Off
- **WHEN N2 BELOW 10 %**
- APU: MASTER light pushbutton Pushed
 - ☑ MASTER green light Off

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LINE UP

- Yaw damper (FCP)..... Off
- ☒ PFD's: YD annunciation On

EXTERIOR LIGHTS:

- LANDING switches..... On
- ☒ **LDG** light On
- ANTICOL switch..... ALL
- NAV switch..... NAV - Checked

For A/C without (M2468 or SB F2000EX-84) and without (M2624 or SB F2000EX-43):

- Radar / Transponder On

For A/C with (M2468 or SB F2000EX-84) or with (M2624 or SB F2000EX-43):

- Radar On

End

- PITOT switches (all 3) On
- ☒ **LH PROBES**, **STD BY PITOT** and **RH PROBES** lights Out
- Airbrakes, Trim, Speed..... Take-off configuration
- All warning lights Out
- Flight controls..... Free

■ If wings anti-icing is required and anticipated:

- PRV 2 switch OFF
- CROSS BLEED switch ISOL
- ☒ CROSS BLEED light Vertical (Untied)

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TAXIING

- Pilot window Closed - Green index checked
- EXTERIOR LIGHTS: TAXI switch On
- PARK BRAKE handle.....Released
 - ☑ **BRAKE PRESS** light Out
- Brakes.....Tested
- PARK BRAKE Tested
- Thrust reversers Tested
 - Power levers..... IDLE
 - Power levers..... T / R IDLE
 - **TRANS** white lights On then Out - Checked
 - **DEPLOY** green lights..... On - Checked
 - Power levers..... IDLE
 - **DEPLOY** green lights..... Out - Checked
 - **TRANS** white lights On then Out - Checked
 - **THRUST REVERSER ..** warning lights Out - Checked
- Take-off briefing Completed
- APU: START/STOP light pushbutton Pushed
 - ☑ START/STOP green light Off
- **WHEN N2 BELOW 10 %**
- APU: MASTER light pushbutton Pushed
 - ☑ MASTER green light..... Off

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LINE UP

- Yaw damper (FCP)..... Off
 - ☒ PFD's: YD annunciation On
- EXTERIOR LIGHTS:
- LANDING switches..... On
 - ☒ **LDG** light On
 - ANTICOL switch..... ALL
 - NAV switch..... NAV - Checked
- For A/C without (M2468 or SB F2000EX-84) and without (M2624 or SB F2000EX-43):

 - Radar / Transponder On
- For A/C with (M2468 or SB F2000EX-84) or with (M2624 or SB F2000EX-43):

 - Radar On
- End

 - PITOT switches (all 3)..... On
 - ☒ **LH PROBES**, **STD BY PITOT** and **RH PROBES** lights Out
 - Airbrakes, Trim, Speed..... Take-off configuration
 - All warning lights Out
 - Flight controls..... Free

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TAKE-OFF

► PRIOR TO BRAKE RELEASE

- Power levers TAKE-OFF detent
 - ☑ N1 According to Performance Charts - Checked
 - ☑ ITT (all 2) Checked
- Brakes Released
- Acceleration Checked
- Use steering system As necessary
- Airspeed at computed time Checked
 - ☑ Airspeed indicators Cross – Checked

► WHEN A POSITIVE RATE OF CLIMB IS ESTABLISHED

- Landing gear Up
 - ☑ LANDING GEAR lights Out
- If wings anti-icing is required:
 - ANTI-ICE: WINGS switch AUTO
 - After 3 seconds:
 - CROSS BLEED switch AUTO
 - PRV 2 switch AUTO

NOTE

During wings anti-ice activation, disregard possible and temporary indications such as:

- **ANTI-ICE** light on,
- Amber ANTI-ICE WINGS light steady on.

■ If wings anti-icing is not required:

- CROSS BLEED switch AUTO - Checked
- PRV 2 switch AUTO - Checked

► AT MINIMUM SPEED OF V2 + 10 KT AND REACHING TAKE-OFF SAFETY HEIGHT

- Slats-flaps handle CLEAN
 - ☑ FLAPS indicator UP
 - ☑ SLATS lights Out

CAUTION

To minimize possible flaps asymmetry during take-off, retract the flaps one notch at a time.

AFTER TAKE-OFF

- EXTERIOR LIGHTS:

 - TAXI switch Off
 - LANDING switches.....As required
- INTERIOR LIGHTS: **FASTEN BELTS** and No smoking light pushbuttons.....As required

 - Climb power Set
 - ANTI-ICE: BRAKES switch (if installed).....As necessary
 - Engine parametersChecked
 - Cabin pressure and temperature controllers.....Checked
 - Yaw damper (FCP).....As required
 - Altimeters Set
 - 115 / 230 VAC light pushbutton (if installed)As required

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TAKE-OFF

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- Power levers TAKE-OFF detent
 - ☒ N1According to Performance Charts - Checked
 - ☒ ITT (all 2).....Checked
- Brakes.....Released
- AccelerationChecked
- Use steering system.....As necessary
- Airspeed at computed time.....Checked
 - ☒ Airspeed indicators.....Cross – Checked

► WHEN A POSITIVE RATE OF CLIMB IS ESTABLISHED

- Landing gear Up
 - ☒ LANDING GEAR lights Out
- ANTI-ICE: WINGS switch.....As required

► AT MINIMUM SPEED OF V2 + 10 KT AND REACHING TAKE-OFF SAFETY HEIGHT

- Slats-flaps handle..... CLEAN
 - ☒ FLAPS indicatorUP
 - ☒ SLATS lights..... Out

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To minimize possible flaps asymmetry during take-off, retract the flaps one notch at a time.

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