



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

September 24, 2018

Attachment 24 – Air Canada Autopilot Limitations

OPERATIONAL FACTORS/HUMAN PERFORMANCE

DCA17IA148

 Flight Operations A319/A320/A321	LIMITATIONS AUTO FLIGHT – GENERAL	P1 13 APR 17
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AUTO PILOT FUNCTION

Ident.: 1-01-22-10-00001915.0001001 / 23 DEC 15

Applicable to: **201-213, 215-222, 225-226, 228, 232, 258, 260-261, 264-271, 274-275, 280, 282, 285, 401-405, 408, 411, 415-416**

Minimum height for use of autopilot on takeoff with SRS mode..... 100 ft AGL

(An internal FMGS logic prevents the autopilot from engaging during the 5 s after liftoff).

Minimum height for use of the autopilot in:

- Straight-in non precision approach..... applicable MDA (MDH)
- Straight-in LNAV/VNAV approach..... applicable DA
- Circling approach..... applicable MDA -100 ft (or MDH -100 ft)
- ILS approach when CAT2 or CAT3 is not displayed on the FMA 160 ft AGL
- Go-around (AP or FD engagement) 100 ft AGL
- All other phases..... 500 ft AGL

Use of the AP or FD in OPEN DES or DES mode is not permitted in approach, unless the FCU altitude is set to, or above, MDA (MDH) or 500 ft, whichever is the highest.

AUTO PILOT FUNCTION

Ident.: 1-01-22-10-00001915.0003001 / 27 JUL 16

Applicable to: **461-463**

Minimum height for use of autopilot on takeoff with SRS mode..... 100 ft AGL

(An internal FMGS logic prevents the autopilot from engaging during the 5 s after liftoff).

Minimum height for use of the autopilot in:

- Straight-in non precision approach..... applicable MDA (MDH)
- Straight-in LNAV/VNAV approach..... applicable DA
- Circling approach..... applicable MDA -100 ft (or MDH -100 ft)
- ILS approach when CAT2 or CAT3 is not displayed on the FMA..... 160 ft AGL
- Go-around (AP or FD engagement) 100 ft AGL
- All other phases..... 900 ft AGL

Use of the AP or FD in OPEN DES or DES mode is not permitted in approach, unless the FCU altitude is set to, or above, MDA (MDH) or 900 ft, whichever is the highest.

AUTO PILOT FUNCTION

Ident.: 1-01-22-10-00001915.0002001 / 27 JUL 16

Applicable to: **235-242, 286-287**

Minimum height for use of autopilot on takeoff with SRS mode..... 100 ft AGL

(An internal FMGS logic prevents the autopilot from engaging during the 5 s after liftoff).

Minimum height for use of the autopilot in:

- Straight-in non precision approach..... applicable MDA (MDH)
- Straight-in LNAV/VNAV approach..... applicable DA
- Circling approach..... applicable MDA -100 ft (or MDH -100 ft)
- ILS approach when CAT2 or CAT3 is not displayed on the FMA..... 160 ft AGL
- Go-around (AP or FD engagement) 100 ft AGL
- All other phases..... 500 ft AGL

Use of the AP or FD in OPEN DES or DES mode is not permitted in approach, unless the FCU altitude is set to, or above, MDA (MDH) or 500 ft, whichever is the highest.