



MEMORANDUM FOR RECORD CEN19FA036

In an information request to Textron Aviation concerning autopilot information, the following information was received on March 25, 2020.

The list below is a combination of the lists contained in the aircraft operating manual and the Collins Pro Line 21 Avionics System Manual for the CJ2+. If the crew disconnects the autopilot, the disconnect tone will sound for 1.5 seconds and then shut off. If the autopilot disconnects itself the disconnect tone will continue to sound until the pilot presses the AP/YD yoke disconnect switch.

The crew can disconnect the autopilot using the following methods:

- Lowering the AP lever
- AP/YD yoke quick disconnect switch
- Activating electric elevator trim
- Go Around switch
- Lowering the yaw damper lever

The autopilot will disconnect itself for the following reasons:

- Stick shaker
- The yaw damper disengages itself (no action from pilot)
- The flight guidance computer detects an internal failure (yaw damper failure, autopilot failure, AHRS failure or miscompare)
- Excessive or unusual attitudes exist (pitch exceeds +25 degrees or -15 degrees, roll exceeds +- 45 degrees)
- Electrical power to the flight guidance system is lost (In this case, the autopilot warning is canceled automatically after 5 seconds)

There is no turbulence limit on the autopilot unless the turbulence causes an attitude in excess of the autopilot limits mentioned above.

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