

Pitch trim command Check all switches and elevator trim wheel

If pitch trim is recovered: Re-trim the airplane and continue the flight with the autopilot disengaged, not exceeding the airspeed when the trim was recovered.

If pitch trim is not recovered: Land at the nearest suitable airport.

Approach and landing configuration:

Landing gear Down

Flaps 25

Airspeed Vref25

Caution: Do Not Try to Re-Engage the Autopilot."

(2) Revise the Normal Procedures section of the AFM, after the current checklist item for activating the FASTEN BELTS switch, by inserting the following:

"Pitch Trim System Check:

Control Wheel Hold firmly

Autopilot Disengage

Power Levers As required

Elevator Trim Wheels As required

Caution: Manually Set the Elevator Trim Wheels To the Required Descent Attitude.

If any trim system binding (if trim wheel rotates more than one trim wheel index mark after being released), or abnormal trim operation is observed:

Elevator Trim Jamming Procedure Perform

Caution: Do Not Try To Re-Engage the Autopilot.

If no abnormal trim operation is observed:

Flight Director Vertical Mode As required

Autopilot Reengage"

AFM Revision: Collins APS-65B Autopilot AFM Supplement

(b) Concurrently with the AFM revisions required by paragraph (a) of this AD, revise

the Limitations section of the Collins APS-65B Autopilot System Supplement to include the following (this may be accomplished by

inserting a copy of this AD into the AFM Supplement):

"(1) The autopilot must not be used during descent unless a trim check has been performed successfully prior to descent, as follows:

Pitch Trim System Check:

Control Wheel Hold firmly

Autopilot Disengage

Power Levers As required

Elevator Trim Wheels As required

Caution: Manually Set the Elevator Trim Wheels to the Required Descent Attitude.

If any trim system binding (if trim wheel rotates more than one trim wheel index mark after being released), or abnormal trim operation is observed:

Elevator Trim Jamming Procedure Perform

Caution: Do Not Try To Re-Engage the Autopilot.

If no abnormal trim operation is observed:

Flight Director Vertical Mode As required

Autopilot Reengage

(2) If an elevator trim jamming is detected during flight and the pitch trim system resumes normal operation on ground, only a ferry flight using a special permit may be performed to return the aircraft to a maintenance base for replacement of the actuators. In this case, the use of autopilot is prohibited."

Placard Installation

(c) Within 300 flight hours after the effective date of this AD, install two placards on the glareshield, advising the flight crew to check the pitch trim before any descent, in accordance with EMBRAER Service Bulletin 120-25-0262, dated October 15, 2001; or Change 01, dated September 3, 2002.

Alternative Methods of Compliance

(d) An alternative method of compliance or adjustment of the compliance time that provides an acceptable level of safety may be used if approved by the Manager, International Branch, ANM-116, Transport

Airplane Directorate, FAA. Operators shall submit their requests through an appropriate FAA Principal Maintenance and/or Operations Inspector, who may add comments and then send it to the Manager, International Branch, ANM-116.

Note 2: Information concerning the existence of approved alternative methods of compliance with this AD, if any, may be obtained from the International Branch, ANM-116.

Special Flight Permits

(e) Special flight permits may be issued in accordance with sections 21.197 and 21.199

of the Federal Aviation Regulations (14 CFR 21.197 and 21.199) to operate the airplane to a location where the requirements of this AD can be accomplished.

Note 3: The subject of this AD is addressed in Brazilian airworthiness directive 2001-06-01R1, dated November 28, 2001.

Issued in Renton, Washington, on March 26, 2003.

Michael J. Kaszycki,

Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.

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