



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

BRAZILIAN EMERGENCY AIRWORTHINESS DIRECTIVE

EAD No: 2026-04-02

Effective Date: 20 Apr. 2026

The following Brazilian Emergency Airworthiness Directive (EAD), issued by the Agência Nacional de Aviação Civil (ANAC) in accordance with provisions of Chapter IV, Title III of Código Brasileiro de Aeronáutica - Law No. 7,565 dated 19 December 1986 - and Regulamento Brasileiro da Aviação Civil (RBAC) 39, applies to all aircraft registered in the Registro Aeronáutico Brasileiro. No person may operate an aircraft to which this AD applies, unless it has previously complied with the requirements established herein.

EAD No. 2026-04-02 - EMBRAER / 39-1602.

APPLICABILITY:

This Emergency Airworthiness Directive (EAD) applies to Embraer airplanes model EMB-545 and EMB-550, all serial numbers.

CANCELLATION / REVISION:

Not applicable.

REASON:

It has been found the occurrence of failures on one load path of Pitch Trim Actuator (PTA) of the airplane horizontal stabilizer (HS), during the accomplishment of the Operational Check of Pitch Trim Actuator Irreversibility scheduled maintenance task. This failure increases the risk of failure on both load paths of PTA, and may leave the airplane HS free to move according to aerodynamics loads, which may result in airplane loss of control.

Since this condition may occur in other airplanes of the same type and affects flight safety, an immediate corrective action is required. Thus, sufficient reason exists to request compliance with this EAD in the indicated time limit without prior notice.

REQUIRED ACTION:

Inspection and replacement, if applicable, of PTA of the airplane HS; and pitch trim verification.

COMPLIANCE:

Required as indicated below, unless already accomplished.

(a) Operational Check (OPC) and replacement of the airplane HS PTA, if applicable; and pitch trim verification.

(1) For the airplanes that have not performed the Certification Maintenance Requirement (CMR) 27-43-01-903 task in the last 100 Flight Hours (FH) or have accumulated 100 or more Flight Hours Since New (FHSN), within the next 10 Flight Cycles (FC) or 20 FH after the effective date of this EAD, whichever occurs later, accomplish with the paragraph **(a)(1)(i)** or **(a)(1)(ii)** requirements of this EAD.

(i) Perform an OPC on the airplane HS PTA according to the detailed instructions and procedures described in the Aircraft Maintenance Manual (AMM) task 27-43-01-710-801-A/500, revision 65, dated November 14, 2025 or in the Embraer Service Bulletin N° 550-27-0011, original issue, dated April 08, 2026. In case of fail of the airplane HS PTA OPC, replace the PTA with Part Number (P/N) 492600-1017 by another airworthy PTA with the same P/N, and perform a new OPC on the new PTA.

(ii) Perform the pitch trim verification according to the detailed instructions and procedures described in the Embraer Operational Bulletin N° 550-001/26 or P550-001/26, as applicable, original



Figure 1 - Pitch trim indication.

(ii)(1) If the pitch trim indication stops before to reach the upper limit (full UP) (100) position or FLTCTRL HSTAB FAIL or FLTCTRL HSTAB FAULT message is displayed on Engine Indicating and Crew Alerting System (EICAS) of the airplane, it is prohibited to take-off the airplane. Report the failure to the applicable maintenance service and replace the PTA P/N 492600-1017 by another airworthy PTA with the same P/N, and perform a new OPC on the new PTA.

(ii)(2) If the full UP (100) position is reached and FLTCTRL HSTAB FAIL and FLTCTRL HSTAB FAULT messages are not displayed on airplane EICAS, accomplish with the requirements of paragraph **(a)(1)(i)** of this EAD within the next 50 FC or 75 FH after the pitch trim verification, whichever occurs first.

(ii)(3) Record the pitch trim verification procedure in the airplane logbook.

(2) For the airplanes that have performed the CMR 27-43-01-903 task in the last 100 FH or have accumulated less than 100 FHSN, accomplish with the requirements of paragraph **(a)(1)** of this EAD within the next 50 FC or 75 FH after the effective date of this EAD, whichever occurs first.

(b) Report requirements.

Send a report containing the OPC on the airplane HS PTA and the pitch trim verification data according to the paragraphs **(a)(1)** and **(a)(2)** of this EAD, to pac@anac.gov.br and contact.center@embraer.com.

(c) Alternative methods of compliance (AMOCs).

A different method or a different compliance time, with the requirements of this EAD, may be used if approved by the Manager of the Continuing Airworthiness Technical Branch (GTAC) of ANAC.

(d) Material incorporated by reference.

You must use the AMM task 27-43-01-710-801-A/500, revision 65, dated November 14, 2025 or the Embraer Service Bulletin Nº 550-27-0011, original issue, dated April 08, 2026; or further revisions approved by ANAC, or the Embraer Operational Bulletin Nº 550-001/26 or P550-001/26, as applicable, original issues, dated April 15, 2026, or further revisions approved by ANAC; to do the actions required by this EAD, unless this EAD specifies otherwise.

Record compliance with this EAD in the applicable maintenance log book.

CONTACT:

For additional technical information, contact:
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NOTE: Original in Portuguese language signed and available in the files of the Continuing Airworthiness Technical Branch (GTAC) of the National Civil Aviation Agency (ANAC).

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