



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2026-08-01

Effective Date: 07 Sep. 2026

The following Brazilian Airworthiness Directive (AD), 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.

AD No. 2026-08-01 - EMBRAER / 39-1607.

APPLICABILITY:

(a) This Airworthiness Directive (AD) applies to Embraer S.A. airplanes, models ERJ 170-100 LR, ERJ 170-100 SE, ERJ 170-100 STD, ERJ 170-100 SU, ERJ 170-200 LL, ERJ 170-200 LR, ERJ 170-200 STD and ERJ 170-200 SU, all serial numbers.

CANCELLATION / REVISION:

1. This AD cancels and supersedes AD No. 2023-12-01 / 39-1538 and is being issued to revise the air-worthiness limitations for the airplanes referred to in paragraph (a).

2. This AD cancels and supersedes AD No. 2020-01-02R4 / 39-1600, dated March 31, 2026.

NOTE 1: The actions required by AD 2020-01-02R4 for Embraer S.A. airplanes, model ERJ 190, are covered by AD 2026-04-01 / 39-1601.

REASON:

This AD results from a new revision of the airworthiness limitations of the “Maintenance Review Board Report”.

Failure to inspect structural components in accordance with new or revised tasks and the respective initial compliance times and intervals (thresholds and intervals) addressed in the Airworthiness Limitation Inspections (ALI) may prevent the timely detection of fatigue cracks. These cracks, if not appropriately addressed, may adversely affect the structural integrity of the airplane.

Additionally, Airworthiness Limitations associated with Certification Maintenance Requirements (CMR), Fuel System Limitation Items (FSL) and Life Limited Items (LLI) are mandatory for continued airworthiness, and failure to comply with these instructions may result in an unsafe condition.

Since this condition may occur in other airplanes of the same type and affects flight safety, the adoption of preventive action is required and, therefore, just cause is established to mandate compliance with this amendment within the specified timeframe.

NOTE 2: AD 2020-01-02R4 was issued due to cases of cracks in the lower attachment lugs of the left-hand side (LH) and right-hand side (RH) engine pylons, which may cause loss of engine pylon integrity. Loss of engine pylon integrity may result in separation of the engines from the wings, affecting airplane controllability and/or causing injuries to people on the ground. The new airworthiness limitations address the lower attachment lugs of the LH and RH engine pylons, and adoption of such limitations is considered terminating action for AD 2020-01-02R4, which is cancelled and superseded by this AD.

REQUIRED ACTION:

This AD requires revision to the maintenance or inspection program, as applicable, to incorporate the applicable Airworthiness Limitations (Certification Maintenance Requirements, Airworthiness Limitation Inspections, Fuel System Limitation Items, and Life Limited Items).

COMPLIANCE:

Compliance must be accomplished as follows, unless previously accomplished.

(b) Revision of the Maintenance Program

(1) Within three months after the effective date of this AD, revise the maintenance program to include the information from Part 1, "Certification Maintenance Requirements", Part 2, "Airworthiness Limitation Inspections – Structures", Part 3, "Fuel System Limitation Items", and Part 4, "Life Limited Items", of Appendix A, "Airworthiness Limitations", of the "Embraer 170 and 175 Maintenance Review Board Report", MRB-1621, revision 21, dated December 19, 2025, and Temporary Revision T/R 21-1, dated April 2, 2026.

(2) The compliance times depend on the airplane configuration and on the pre-modification or post-modification conditions specified in Part 1, "Certification Maintenance Requirements", and in Part 2, "Airworthiness Limitation Inspections – Structures", of Appendix A, "Airworthiness Limitations", of the "Embraer 170 and 175 Maintenance Review Board Report", MRB-1621, revision 21, dated December 19, 2025.

(3) For the initial compliance time (threshold) of the new inspections and intervals incorporated by this AD, the information contained in paragraph 2 - "Implementation Plan" of Appendix A, "Airworthiness Limitations", of the "Embraer 170 and 175 Maintenance Review Board Report", MRB-1621, revision 21, dated December 19, 2025, may be considered. For the purposes of this AD, the initial compliance times (identified as "Threshold" or "T" in the service information) are expressed in total flight cycles or total flight hours, as applicable.

NOTE 3: For airplanes that accomplished the inspection required by AD 2020-01-02R4, or any previous revision thereof, using the same inspection method specified in ALI 54-50-004-0003, accomplish the next inspection required by ALI 54-50-004-0003 within the applicable repetitive interval, measured from the last inspection of that type.

NOTE 4: For airplanes to which ALI 54-50-004-0006 applies, accomplish ALI 54-50-004-0006 before reaching the applicable threshold, or within one applicable repetitive interval after the effective date of this AD, whichever occurs later.

(4) For the airplanes identified in this AD that complied with AD 2020-01-02R4 or previous revisions by means of a DET, perform ALI 54-50-004-0003, if applicable, within the next 750 FH after the effective date of this AD or within 750 FH after the date on which the DET was performed, whichever occurs later.

(c) Alternative method of compliance.

A different method or compliance time for the requirements of this AD may be used if approved by the Manager of the Product Safety and Airworthiness Technical Branch (GTSAP) of ANAC.

(d) Material incorporated by reference.

Use this service information, as applicable, to accomplish the actions required by this AD, unless this AD specifies otherwise:

(1) Embraer 170/175 - MRB-1621 Appendix A, revision 21, dated December 17, 2025, or later revisions approved by ANAC.

(2) Embraer 170/175 - MRB-1621 Appendix A - Temporary Revision TR21-1 dated April 2, 2026, or later revisions approved by ANAC.

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

CONTACT:

For additional technical information, contact:

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APPROVAL:

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NOTA: Original in Portuguese language signed and available in the files of the Product Safety and Airworthiness Technical Branch (GTSAP) of the National Civil Aviation Agency (ANAC).

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