



Boletim Especial de Aeronavegabilidade (*Special Airworthiness Bulletin*)

ATA: Some ATA codes involved.

BEA Nº 2022-06

Subject: Unapproved Parts.

Date: July 05, 2022

Introduction:

This Special Airworthiness Bulletin (BEA) advises the civil aviation community (aircraft owners and operators and aeronautical product maintenance organizations) about some unapproved parts that may be installed in some aircraft in service.

This document has information and not mandatory recommendations, therefore, until this time there is no reason to issue an Airworthiness Directive in accordance with Regulamento Brasileiro da Aviação Civil (RBAC) Nº 39 requirements.

Manufacturer: H8 ALS Indústria Aeronáutica LTDA.

Affected Aeronautical Product: Aircraft equipped with H8 ALS aeronautical products installed.

Background:

The ANAC has identified suspected non approval parts manufactured by H8 ALS company. Currently, this organization does not have an ANAC certification or an authorization for direct shipment (see item 5.3 of IS 43-001 Revision A) from EMBRAER, although H8 ALS is a supplier of EMBRAER.

However, still under the name of its previous OLDI designation, such company was certified for manufacturing aeronautical products, unless its former certifications were canceled on October 9, 2003, by Institute of Industrial Promotion and Coordination (IFI) from the former Aerospace Technical Center (CTA).

By this way, components manufactured by this organization are not eligible for installation on aircraft with a valid airworthiness certificate, unless those components have been:

- a) Manufactured and delivered before October 9, 2003, and provided that they were accompanied by a SEGVOO 003 issued by OLD; or
- b) Delivered, at any time, accompanied by a SEGVOO 003 issued by EMBRAER.

Recommendation:

ANAC regulations require that parts manufactured for installation on type-certificated products are manufactured under an ANAC approval. Aircraft owners, operators, manufacturers, maintenance organizations, parts suppliers and distributors are encouraged to inspect their aircraft and/or aircraft parts inventory for the referenced H8 ALS components sold by H8 ALS LTDA company (see the non-exhaustive list of components of this BEA Appendix 1).

If the subject components are found installed in a type certificated aircraft, it is recommended they be removed and quarantined. If these components are in existing inventory, it is recommended they be quarantined to prevent installation until a determination can be made for their disposition.

Reference documents:

1. BRASIL, Agência Nacional de Aviação Civil. **Regulamento Brasileiro da Aviação Civil (RBAC) n. 21 Certificação de Produto e Artigo Aeronáuticos, Emenda n. 08.** ANAC, 2021.
2. BRASIL, Agência Nacional de Aviação Civil. **Regulamento Brasileiro da Aviação Civil (RBAC) n. 39 Diretrizes de Aeronavegabilidade, Emenda n. 00.** ANAC, 2011.
3. BRASIL, Agência Nacional de Aviação Civil. **Regulamento Brasileiro da Aviação Civil (RBAC) n. 43 Manutenção, manutenção preventiva, reconstrução e alteração, Emenda n. 5.** ANAC, 2021.
4. BRASIL, Agência Nacional de Aviação Civil. **Instrução Suplementar (IS) n. 43-001, Revisão A. Elegibilidade, Qualidade e Identificação de Peças de Reposição Aeronáuticas.** ANAC, 2009.

Appendix 1 – Parts applicability

Table 1 - Applicability

Component	Specification	Installed in the following aircraft, but not restricted to:
Brake Actuator	DI-1811-21-OL	a) AERO-BOERO airplanes model AB-115 and AB-180.
	DI-1811-08-OL	a) EMBRAER S.A. airplanes model EMB-710, EMB-711, EMB-712, EMB-720, EMB-721, EMB-810 and EMB-810D. b) PIPER AIRCRAFT airplanes model PA-34.
	DI-1811-18-OL	a) EMBRAER S.A. airplanes model EMB-200 and EMB-200A.
Master Switch	DI-2411-05-OL	a) EMBRAER S.A. airplanes model EMB-710, EMB-711, EMB-712, EMB-720, EMB-721 and EMB-810. b) BEECHCRAFT airplanes model modelo BE 23 and BE 24. c) CESSNA airplanes model C150, C172, C175, C177, C180, C182, C185, C188, C205, C205A, C206 and C207. d) PIPER AIRCRAFT airplanes model PA-22, PA-24, PA-25 and PA-28.
	DI-2411-06-OL	a) EMBRAER S.A. airplanes model EMB-200, 200A, EMB-201, EMB-201A and EMB-202.
	DI-2411-07-OL	a) EMBRAER S.A. airplanes model EMB-202.

Brake Assembly	DI-1833-09-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-710, EMB-711 and EMB-712. b) PIPER AIRCRAFT airplanes model PA-28. c) CESSNA airplanes model C150, C172, C177 and C182.
	DI-1833-10-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-720, EMB-721 and EMB-810C. b) PIPER AIRCRAFT airplanes model PA-24, PA-28, PA-30, PA-32, PA-34 and PA-44.
	DI-1833-17-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-200, EMB-200A, EMB-201, EMB-201A e EMB-202.
	DI-1833-18-OL	<ul style="list-style-type: none"> a) CESSNA airplanes model C180, C185, C205, C206, C210 and C336.
	DI-1833-21-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-820C. b) PIPER AIRCRAFT airplanes model PA-31.
	DI-1833-25-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB 810 and EMB-810. b) PIPER AIRCRAFT airplanes model PA-32 and PA-34.
	DI-1833-27-OL	<ul style="list-style-type: none"> a) Centro Técnico Aeroespacial airplanes model CAP-4. b) EMBRAER S.A. airplanes model 56. c) PIPER AIRCRAFT airplanes model PA-18.
	DI-1833-D-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-202.
Tail Wheel Hub	DI-1522-07-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-110.
	DI-1511-D-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-710, EMB-712, EMB-720, EMB-810, EMB-810 and EMB-820. b) CESSNA airplanes model C150, C172, C177, C182, C205, C206, C207, C336, C337, C401, C402 and C411. c) PIPER AIRCRAFT airplanes model P-22, P-23, P-24, P-28, P-30, P-31, P-32 and P-34.
	DI-1522-05-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-121.
	DI-1555-04-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-711 e EMB-721. b) CESSNA airplanes model C150, C172 and C175. c) PIPER AIRCRAFT airplanes model PA-28 and PA-32.
	DI-1555-05-OL	<ul style="list-style-type: none"> a) PIPER AIRCRAFT airplanes model PA-22, PA-24, PA-28 and PA-32.
	DI-1566-01-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-202.

Main Wheel Hub	DI-1511-05-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-711, EMB-712, EMB-721 and EMB-810. b) CESSNA airplanes model C150, C172, C177, C180, C182, C185, C188, C205, C206, C207, C210, C336 and C337. c) PIPER AIRCRAFT airplanes model P-32 and P-34.
	DI-1511-11-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-710, EMB-712, EMB-720, EMB-721 and EMB-810. b) CESSNA airplanes model C150, C172, C177, C182, C185, C188, C205, C206, C207, C210, C336 and C337. c) PIPER AIRCRAFT airplanes model PA-32 and PA-34.
	DI-1511-13-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-810. b) PIPER AIRCRAFT airplanes model PA-32 and PA-34.
	DI-1511-14-OL	<ul style="list-style-type: none"> a) PIPER AIRCRAFT airplanes model PA-25.
	DI-1511-15-OL	<ul style="list-style-type: none"> a) AERO-BOERO airplanes model AB-115 and AB-180.
	DI-1522-C-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-202.
	DI-1533-07-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-200, EMB-200A, EMB 201, EMB-201A and EMB-202.
	DI-1533-08-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-820. b) PIPER AIRCRAFT airplanes model PA-31.
	DI-1555-06-OL	<ul style="list-style-type: none"> a) Experimental aircraft.
DI-1566-03-OL	<ul style="list-style-type: none"> a) Centro Técnico Aeroespacial airplanes model CAP-4. b) EMBRAER S.A. airplanes model 56. c) PIPER AIRCRAFT airplanes model PA-18. 	
Brake Disk	DI-1844-E-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-200, EMB-200A, EMB 201, EMB-201A and EMB-202.
	44.601	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-710, EMB-711 and EMB 712. b) PIPER AIRCRAFT airplanes model PA-28.
	44.602	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-720, EMB-721 and EMB-810.
	44.620	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-820. b) PIPER AIRCRAFT airplanes model PA-31.
	DI-1844-07-OL	<ul style="list-style-type: none"> a) CESSNA airplanes model C180, C185, 206 and C207.

	DI-1844-08-OL	<ul style="list-style-type: none"> a) ALEXANDRIA AIRCRAFT LLC (Former BELLANCA AIRCRAFT CORP.) airplanes model 17-30A, 17-31A and 17-31ATC. b) CESSNA airplanes model C180, 185, C188, C205, C207, C210, C305 and 336.
	DI-1844-09-OL	<ul style="list-style-type: none"> a) EMBRAER airplanes model EMB-710, EMB-711 and EMB-712. b) PIPER AIRCRAFT airplanes model PA-28. c) MOONEY INTERNATIONAL CORP. airplanes model M-20.
	DI-1844-11-OL	<ul style="list-style-type: none"> a) EMBRAER airplanes model EMB-720, EMB-721 and EMB-810. b) CESSNA airplanes model C182. c) PIPER AIRCRAFT airplanes model PA-24, PA-30, PA-32, P-34 and PA-39. d) B-N GROUP LTD. airplanes model BN-2.
	DI-1844-14-OL	<ul style="list-style-type: none"> a) BEECHCRAFT CORP. airplanes model B-24. b) CESSNA airplanes model C150, C152, C172 and C182.
	DI-1844-26-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-810. b) Aviões PIPER AIRCRAFT airplanes model PA-32 and PA-34.
	DI-1844-30-OL	<ul style="list-style-type: none"> a) Centro Técnico Aeroespacial airplanes model CAP-4. b) EMBRAER S.A. airplanes model 56. c) PIPER AIRCRAFT airplanes model PA-18.
	DI-1844-33-OL	<ul style="list-style-type: none"> a) AERO-BOERO airplanes model AB-115 and AB-180.
	DI-1844-38-OL	<ul style="list-style-type: none"> a) Experimental aircraft.
	DI-1844-40-OL	<ul style="list-style-type: none"> a) Experimental aircraft.
	DI-1844-D-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-202.
Fuel Drain	DI-1233-07-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-110 and EMB-121. b) CESSNA airplanes model C210.
	DI-1233-08-OL	<ul style="list-style-type: none"> a) CESSNA modelo C210.
	DI-1233-09-OL	<ul style="list-style-type: none"> a) PIPER AIRCRAFT airplanes model PA-18, PA-22, PA-23, PA-24, PA-25, PA-28, PA-30, PA-31, PA-32, PA-34 and PA-39.
	DI-1233-10-OL	<ul style="list-style-type: none"> a) EMBRAER S.A. airplanes model EMB-200, EMB-200A, EMB-201, EMB-201A and EMB-202. b) PIPER AIRCRAFT airplanes model PA-22, PA-23, PA-24 and PA-25. c) CESSNA airplanes model C180, C182, C185, C210 and C310.

	DI-1233-12-OL	a) EMBRAER S.A. airplanes model EMB-110 and EMB-121.
	DI-1233-13-OL	a) Aviões EMBRAER S.A. modelo EMB-710, EMB-711, EMB-712, EMB-720, EMB-721 e EMB-810. b) Aviões CESSNA modelo C310. c) Aviões PIPER AIRCRAFT modelo PA-38.
	DI-1233-17-OL	a) EMBRAER S.A. airplanes model EMB-710 and EMB-810. b) PIPER AIRCRAFT airplanes model PA-34.
	DI-1233-C-OL	a) EMBRAER S.A. airplanes model EMB-200, EMB-200A, EMB-201, EMB-201A and EMB-202. b) CESSNA airplanes model C180, C182, C185 and C310. c) PIPER AIRCRAFT airplanes model PA-28 e PA-32.
	DI-1233-D-OL	a) EMBRAER S.A. airplanes model EMB-200, EMB-200A, EMB-201, EMB-201A and EMB-202. b) CESSNA airplanes model C150, C172, C175 and C177.
	DI-1233-F-OL	a) EMBRAER S.A. airplanes model EMB-202.
	DI-1233-A-OL	a) EMBRAER S.A. airplanes model EMB-710, EMB-711, EMB-712, EMB-720, EMB-721 and EMB-820. b) CESSNA airplanes model C310. c) PIPER AIRCRAFT airplanes model PA-28 and PA-32.
Fuel Filter	DI-1211-G-OL	a) EMBRAER S.A. airplanes model EMB-201, EMB-201A and EMB-202.
Piston Housing	37.177	a) EMBRAER S.A. airplanes model EMB-202.
	37.545	a) EMBRAER S.A. airplanes model EMB-720, EMB-721 and EMB-810. b) CESSNA airplanes model C180, C185 e C205, C206, C210 and C336. c) PIPER AIRCRAFT airplanes model PA-24, PA-28, PA-30, PA-32 and PA-34.
	37.724	a) EMBRAER S.A. airplanes model EMB-200, EMB-200A, EMB-201, EMB-201A and EMB-202.
Locking Ring	37.174	a) EMBRAER S.A. airplanes model EMB-202.

Support Sleeve	37.146	a) EMBRAER S.A. airplanes model EMB-202.
Support Sleeve 10"	Sem Especificação	a) EMBRAER S.A. airplanes model EMB-202.
Wheel Hub Cap	37.719	a) EMBRAER S.A. airplanes model EMB-202.
	37.107	a) EMBRAER S.A. airplanes model EMB-711, EMB-712, EMB-721 and EMB-810. b) CESSNA airplanes model C150, C172, C177, C180, C182, C185, C188, C205, C206, C207, C210, C336 and C337. c) PIPER AIRCRAFT airplanes model PA-32 and PA-34.
Filter Bowl	SC-37.125	a) EMBRAER S.A. airplanes model EMB-202.
Filter Element	SC-1211-03	a) EMBRAER S.A. airplanes model EMB-202.
Guide Pin	37.732	a) EMBRAER S.A. airplanes model EMB-202.
Guide Pin	Without Specification	a) EMBRAER S.A. airplanes model EMB-202.
Piston	37.736	a) EMBRAER S.A. airplanes model EMB-202.
Brake Pad	37.145	a) EMBRAER S.A. airplanes model EMB-202.
	37.549	a) EMBRAER S.A. airplanes model EMB-710, EMB-711, EMB-712, EMB-720, EMB-721 and EMB-810. b) TEXTRON AVIATION INC. (former BEECH) airplanes model BE35. c) CESSNA airplanes model 150, 172, 177, 180, 182, 185, 188, 205, 206, 207, 210, 310 and 336. d) PIPER AIRCRAFT airplanes model PA-28, PA-30, PA-32 and PA-34.
	37.738	a) EMBRAER S.A. airplanes model EMB-200, EMB-200A, EMB-201, EMB-201A and EMB-202.
	38.387	a) Not specified aircraft.
	38.845	a) AIR TRACTOR INC. airplanes model AT-802 AT and AT-602.
Parking Valve	DI-1822-02-OL	a) EMBRAER S.A. airplanes model EMB-202.
Selector Valve	DI-1222-21-OL	a) AEROMOT – INDÚSTRIA MECÂNICO-METALÚRGICA LTDA airplanes model AMT-100.

	DI-1222-22-OL	a) Centro Técnico Aeroespacial airplanes model CAP-4. b) EMBRAER S.A. airplanes model 56. c) PIPER AIRCRAFT airplanes model PA-18.
	DI-1222-26-OL	a) EMBRAER S.A. airplanes model EMB-200 and EMB-200A.
	DI-1222-L-OL	a) EMBRAER S.A. airplanes model EMB 200, EMB-200A, EMB-201, EMB-201A and EMB-202.
Unidirectional Valve	DI-1255-03-OL	a) EMBRAER S.A. airplanes model EMB-110 and EMB-121.
	DI-1255-04-OL	a) EMBRAER S.A. airplanes model EMB-110 and EMB-121.

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