



Airworthiness Directive

AD No.: 2024-0094

Issued: 26 April 2024

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 Annex I Part M.A.301, or Annex Vb Part ML.A.301, as applicable, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [Regulation (EU) 1321/2014 Annex I Part M.A.303, or Annex Vb Part ML.A.303, as applicable] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

ULTRAMAGIC, S.A.

Type/Model designation(s):

Occupant Restraint Harnesses CI-C-1302

Effective Date: 03 May 2024

Foreign AD: Not applicable

Supersedure: None

ATA 25 – Equipment / Furnishings – Restraint Systems / Occupant Restraint Harnesses – Inspection

Manufacturer(s):

Ultramagic, S.A.

Applicability:

Occupant restraint harnesses Part Number (P/N) CI-C-1302.

The affected (Ultramagic) occupant restraint harnesses are known to be installed on, but not limited to, certain Ultramagic hot air balloons. Affected occupant restraint harnesses may however be eligible for installation on any (hot air) balloon and may therefore have been installed during the balloon manufacturing process (production line), or during an in-service modification, either through using Type Certificate holder approved modification instructions, or a Supplemental Type Certificate (STC), or through a minor modification approval.

Definitions:

For the purpose of this AD, the following definitions apply:

The ASB: Ultramagic Alert Service Bulletin (ASB) 01/24.

Affected part: Leg lanyard tape, part of Ultramagic occupant restraint harnesses P/N CI-C-1302, having an adjustment buckle incorrectly positioned, with the webbing incorrectly routed and sewn.



Note: An affected part is not identified by a specific P/N. The ASB provides instructions to identify an affected part.

Serviceable part: Leg lanyard tape, part of Ultramagic occupant restraint harnesses P/N CI-C-1302, which is not an affected part; or a leg lanyard tape having P/N CI-C-1308.

Reason:

A number of non-conforming occupant restraint harnesses, due to a production failure, were identified to be installed on several hot air balloons. The buckle for the leg lanyard length adjustment of these parts has been mounted (sewn) on the strap in an up-side-down position (with the steel tab down), which reduces the nominal friction applied by the buckle on the tape.

This condition, if not detected and corrected, could lead to an unexpected extension of the leg lanyard tape, possibly resulting in dropping overboard of the strapped person and severe injury or death of this person.

To address this potential unsafe condition, Ultramagic issued the ASB, as defined in this AD, providing instructions to inspect occupant restraint harnesses, identify and replace any affected parts.

For the reason described above, this AD requires inspection of occupant restraint harnesses and, depending on findings, replacement of affected parts. This AD also prohibits the installation of affected parts.

Required Action(s) and Compliance Time(s):

Required as indicated by this AD, unless the action(s) required by this AD have been already accomplished:

Inspection:

- (1) Within 30 days after the effective date of this AD, inspect each occupant restraint harness having P/N CI-C-1302 and installed on any (hot air) balloon, in accordance with the instructions of the ASB, to identify whether it is equipped with an affected part.

Corrective Action(s):

- (2) If, during the inspection as required by paragraph (1) of this AD, an affected part is found installed, before next flight, replace that affected part with a serviceable part, as defined in this AD, in accordance with the instructions of the ASB.

Alternative Method:

- (3) Replacing the occupant restraint harness of a (hot air) balloon with an occupant restraint system, eligible for installation and not having an affected part installed, is an acceptable alternative method to comply with the requirements of paragraph (2) of this AD for that (hot air) balloon.

Part(s) Installation:

- (4) From the effective date of this AD, do not install on any (hot air) balloon an affected part, nor an Ultramagic occupant restraint harness P/N CI-C-1302 equipped with an affected part.



Ref. Publications:

Ultramagic Alert Service Bulletin (ASB) 01/24 original issue (Publication Ref. 218) dated 16 April 2024.

The use of later approved revisions of the above-mentioned document is acceptable for compliance with the requirements of this AD.

Remarks:

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication. All interested persons may send their comments, referencing the AD Number, to the E-mail address specified in below Remark 3, prior to 24 May 2024. Only if any comment is received during the consultation period, a Comment Response Document will be published in the [EASA Safety Publications Tool](#), in a compressed ('zipped') file, attached to the record for this AD.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#). This may include reporting on the same or similar components, other than those covered by the design to which this AD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), STC or other modification.
5. For any question concerning the technical content of the requirements in this AD, please contact: ULTRAMAGIC, S.A. Aeròdrom Gral. Vives, Apt. 4, 08700 Igualada, Barcelona, Spain; Telephone: +34 93 804 22 02, or E-mail: support@ultramagic.com.

