



# 適航指令發布單

## Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2019-10-01	發布日期 Date issued	2019/10/3
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	All balloon types and models, as specified in the referenced TCDS listed above, all serial numbers.		
主旨摘要	Burner - Modification		
民航局 CAA <input type="checkbox"/> 本國產品 Native products <input type="checkbox"/> 其他個案 Other	設計國民航主管機構 Original Authorities <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> FAA  <input checked="" type="checkbox"/> EASA  <input type="checkbox"/> Brazil  <input type="checkbox"/> Transport Canada Civil Aviation  <input type="checkbox"/> DGAC             </div> <div> <input type="checkbox"/> Germany LBA  <input type="checkbox"/> CAA-NL  <input type="checkbox"/> UK CAA  <input type="checkbox"/> Japan CAB  <input type="checkbox"/> CAA of Israel  <input type="checkbox"/> Other _____             </div> </div>		
	設計國 AD 編號 Original AD number	2019-0245	
	1. 直接採用原 AD 之內容?(Is the original AD directly adopted?) <input checked="" type="checkbox"/> 是(Yes) <input type="checkbox"/> 否(No) _ a. 生效日期另訂為(Re-specify the effective date as) : _____ b. 執行時限另訂為(Re-specify the compliance time or period as) : _____ 2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do Users need to report the status of compliance to the CAA?) <input type="checkbox"/> 是(Yes) <input checked="" type="checkbox"/> 否(No)		
備註 Note	ATA 58-32, Ref. Publications: Schroeder Fire Balloons TN No. EASA.BA.016-62 original issue dated 08 August 2019.		
註： 1. AD 內容後附。 2. 航空器產品使用人得向民航局提出豁免、替代符合方法、執行時限之展延之申請。 3. 如有任何問題，請聯絡交通部民用航空局初始適航科。Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail： <a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a> Note： 1. The AD text is enclosed. 2. Exemption, an alternative method of compliance or adjustment of the compliance time may be proposed to the CAA for approval. 3. For further information, please contact Civil Aeronautics Administration on Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail： <a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a>			



## Airworthiness Directive

**AD No.:** 2019-0245

**Issued:** 01 October 2019

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, 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 agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

### Design Approval Holder's Name:

BALLONS CHAIZE  
 BALLONS LIBERT SPRL  
 BALLONSERVICE & TECHNIK  
 BALÓNY KUBÍČEK spol. s.r.o.  
 CAMERON BALLOONS Ltd  
 LINDSTRAND TECHNOLOGIES Ltd  
 NOUVELLE MANUFACTURE D'AEROSTATS  
 Theo SCHROEDER FIRE BALLOONS GmbH  
 ULTRAMAGIC S.A.

### Type/Model designation(s):

Hot Air Balloons (see Applicability)

**Effective Date:** 15 October 2019

**TCDS Number(s):** Austria BA 009-ACG, EASA.BA.001, EASA.BA.002, EASA.BA.003, EASA.BA.004, EASA.BA.010, EASA.BA.012, EASA.BA.013, EASA.BA.014, EASA.BA.015, EASA.BA.016, EASA.BA.017, EASA.BA.019, EASA.BA.021, EASA.BA.022, EASA.BA.025, EASA.BA.026, EASA.BA.028, EASA.BA.030, EASA.BA.109, EASA.BA.119, EASA.BA.120, EASA.BA.501, EASA.BA.502, EASA.BA.503, EASA.BA.504, EASA.BA.505, EASA.BA.506, EASA.BA.517, EASA.SAS.BA.012, EASA.SAS.BA.023 and EASA.SAS.BA.025.

**Foreign AD:** Not applicable

**Supersedure:** None

### ATA 58-32 – Burner – Modification

#### Manufacturer(s):

114 (714) ZO Svazarmu, Aviatik Klub, Aerotechnik P.O.S., Aerotechnik s.r.o, Aerotechnik Podnik ÚV Svazarmu, Altisph'air, Annonay Air Concept, Ballons Libert Sprl, Ballons Chaize, Ballonservice & Technik, Balóny Kubíček spol. s.r.o., Cameron Balloons Ltd, Colt Balloons, Firma Johann Schön, Kubíček spol. s.r.o., Lindstrand Balloons Ltd (LBL), Lindstrand Hot Air Balloons Ltd, Llopis Balloons, Notheisz Balloons Hungary Kft., Pilatre De Rozier S.I.G.A. S.A., Theo Schroeder fire balloons GmbH, Sky Balloons, SUP-AIR Ballon Egyesület, Thunder Balloons, Thunder & Colt, Ultramagic S.A., Lindstrand Technologies Ltd.



Note: The above list of manufacturers (some companies no longer exist) may not be complete, due to lack of historical data. In case a balloon manufacturer's name is not listed, that does not mean that this AD does not apply to that balloon – see the Applicability below.

### **Applicability:**

All balloon types and models, as specified in the referenced TCDS listed above, all serial numbers.

### **Definitions:**

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

**Affected part:** Schroeder Fire Balloons FB6 burners, all serial numbers (s/n) and FB7 burners, all s/n, except those that have a screw on the side of the valve (see the TN for additional description), and except those that have been corrected and marked in accordance with the TN.

**The TN:** Schroeder Fire Balloons Technical Note (TN) No. EASA.BA.016-62.

### **Reason:**

Occurrences were reported concerning main burner valves of FB6, installed on Schroeder Fire Balloons. A few older models of the FB6 experienced reduced performance during flight. The investigation revealed that residue inside the valve stem assembly can cause plugging of the bores in the upper body of the main burner valve. This led to a limitation of the lever movement and consequent decreased burner performance. Certain FB7 burners are also affected, as they share the FB6 valve assembly.

This condition, if not detected and corrected, could lead to an uncontrolled cold descent and hard landing, possibly resulting in injury to balloon occupants and persons on the ground.

To address this potential unsafe condition, Theo Schroeder Fire Balloons GmbH issued the TN, providing modification instructions.

For the reasons described above, this AD requires modification of the affected parts. This AD also prohibits (re)installation of affected parts.

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

Required as indicated, unless accomplished previously:

#### **Modification:**

- (1) Within 100 flight hours, or within 12 months, whichever occurs first after the effective date of this AD, modify each affected part in accordance with the instructions of the TN.

#### **Parts Installation:**

- (2) From the affected date of this AD, do not install an affected part on any balloon.



**Ref. Publications:**

Schroeder Fire Balloons TN No. EASA.BA.016-62 original issue dated 08 August 2019.

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. This AD was posted on 30 August 2019 as PAD 19-162 for consultation until 27 September 2019. No comments were received during the consultation period.
3. Enquiries regarding this AD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto: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](#).
5. For any question concerning the technical content of the requirements in this AD, please contact: Theo Schroeder Fire Balloons GmbH, Telephone +49 65029304, E-mail: [plein@schroederballon.de](mailto:plein@schroederballon.de), Website: <https://schroederballon.de>.

