

Airworthiness Directive Schedule

Balloons

Balloons

30 May 2024

- Notes:**
1. This AD schedule is applicable to all balloon makes and models.
 2. The foreign ADs listed in this schedule can be obtained directly from the applicable foreign National Airworthiness Authority (NAA) website.
Links to NAA websites are available on the CAA website at:
<https://www.aviation.govt.nz/aircraft/airworthiness/airworthiness-directives/links-to-state-of-design-airworthiness-directives/>
 3. The date above indicates the amendment date of this schedule.
 4. New or amended ADs are shown with an asterisk *
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DCA/BAL/1 Rego Blast Valves P/N 7553S Series - Inspection and Modification

Applicability: All Don Piccard Hot Air Balloons Model AX-6 incorporating Rego blast valves, P/N 7553S series.

Requirement: To prevent fuel system failure or an in-flight fire, accomplish the following:-

1. Remove the valve actuating level roll pin P/N 7553S-8 from actuating level. (Be careful to remove any burrs in the stem area around the roll pin hole before removing the valve stem P/N 7553S-1 from the bonnet P/N 7553-5). Replace the "O" ring stem seal with a new Rego "O" ring P/N 1421-7. Lubricate the new "O" ring with a suitable lubricant before reassembly.
2. Check the torque of the valve seat retaining screw to 10 in-lbs. If it turns, the screw must be removed and reinstalled using MIL-S 22473 high strength thread locking compound or equivalent.

CAUTION: Do not permit the thread locking compound to adhere to the valve rubber seating surface.

3. Reinstall valve actuating lever on the valve body with roll pin 7553S-8. Install a number six machine screw and stop nut or a 3/32-inch stainless steel cotter pin through the hole in the roll pin holding the actuating handle to the valve body and secure.

Compliance: Before further flight unless previously accomplished within one year prior to the effective date of this AD, thereafter at intervals not to exceed 12 months or 100 hours TIS whichever occurs earlier.

Effective Date: 11 April 1975

DCA/BAL/2 Triangular Rip Panels - Velcro Replacement

Applicability: All Balloons with velcro closed triangular rip panels.

Requirement: Due to gradual deterioration, velcro fasteners are to be replaced.

Compliance: At intervals not exceeding 100 hours TIS.

Effective Date: 31 January 1978

DCA/BAL/3 Ripping Panel - Modification

Applicability: All Cameron and Thunder Balloons with velcro fastened panel.

Requirement: To prevent inadvertent complete opening of velcro fastened panel, accomplish the following:-

Cameron Balloons with triangular panel - embody.
Cameron Balloons Ltd, Mod. No. 25.
Cameron Balloons with circular panel - embody.
Cameron Balloons Ltd, Mod. No. 26 or 27.
Thunder Balloons with circular panel - embody.
Thunder Balloons Ltd, Mod. No. 2/22.

Compliance: By 31 July 1978

Effective Date: 31 January 1978

DCA/BAL/4 Deflation Panel - Inspection, Modification and Test

Applicability: All Piccard Model AX-6 series balloons.

Requirement: Inspect, modify, and test deflation panel per FAA AD 81-09-02. Defective fastener tapes must be repaired per General Balloon Corporation S.L. 7 before further flight.

Compliance: Inspection - Prior to each flight.

Modification - Prior to next inflation unless already accomplished.

Test - At intervals not exceeding 100 hours TIS.

Effective Date: 23 October 1981

DCA/BAL/5 Deflation Panel - Inspection and Test

Applicability: All Raven Industries Model S-50A Balloons

Requirement: Inspect and test deflation panel per FAA AD 81-21-02. Fastener tape found defective when inspected must be tested or renewed as prescribed in Raven SB 112, before further flight.

Compliance: Inspection - Prior to each flight.

Test - At intervals not exceeding 100 hours TIS.

Effective Date: 23 October 1981

DCA/BAL/6 Burner Installation - Modification

Applicability: All Piccard model AX-6 series balloons

Requirement: Accomplish the following per General Balloon Corporation S.L. 8:

Incorporate P/N PSP705 quick shut-off valve at fuel tank and shut-off valve P/N PSP706 on pilot light system. Also blast valve handle P/N PSP608 and return spring P/N PSP607 in place of existing blast valve handle assembly.

(FAA AD 82-13-02 refers)

Compliance: By 28 February 1983

Effective Date: 19 November 1982

DCA/BAL/7 Burner Installation - Modification

Applicability: All Piccard model AX-6 series balloons

Requirement: To reduce time for pilot light extinguishment after shut-off and prevent damage to main fuel systems modified per General Balloon Corporation S.L.8, modify per Don Piccard Balloons Inc. SLs 9 and 10.

(FAA AD 83-15-03 refers)

Compliance: By 31 March 1984

Effective Date: 16 December 1983

DCA/BAL/8 Fuel Supply Hose - Removal

Applicability: All Raven (Aerostar) model S-50A balloons

Requirement: To preclude propane fuel leakage which could result in uncontained fire in balloon basket, accomplish the following:

1. Visually inspect all fuel supply hose assemblies in balloon and determine whether any are identified by part number code 'FC321-06' followed by date of manufacture code '3Q84' or '4Q84'.
2. Prior to further use, remove all hose assemblies with marking specified in para 1 or which do not contain markings specifically identifying the date of manufacture, and replace with airworthy parts.
3. Balloons not containing hose assemblies specified in paras 1 or 2 may be returned to service.
(FAA AD 86-10-11 refers)

Compliance: Before further flight.

Effective Date: 28 June 1986

DCA/BAL/9 Envelope - Inspection

Applicability: Thunder and Colt hot-air airships

Requirement: To prevent failure of the envelope caused by operation of the airship envelope at temperatures and pressures higher than the flight manual limitations, accomplish the following:

1. Visually inspect the top of the airship envelope per Thunder and Colt hot-air Airship SB 3, part A. If either discoloration or easy stretching are observed, perform a grab test per the SB. Repair per the SB before further flight.
2. Modify the envelope pressure gauge per Thunder and Colt hot-air airship SB 3, Part B.
(UK CAA AD 004-10-92 refers)

Compliance: 1. Visually inspect before next flight. Perform grab test within next 10 hours TIS or at next annual inspection whichever is the sooner.

2. Modify within next 10 hours TIS or at next annual inspection whichever is the sooner.

Effective Date: 15 October 1992

DCA/BAL/10 Fuel Hose - Inspection and Replacement

Applicability: Aerostar International balloons detailed in Aerostar SB 132 and fitted with the hoses listed.

Requirement: To prevent an uncontained fire in the balloon basket caused by a leaking fuel hose accomplish the following:-

1. Inspect each fuel hose per SB 132. If any sign of fuel leakage is found, prior to further flight replace the entire fuel hose/manifold assembly with an approved assembly per SB 132.
2. Replace the entire fuel hose/manifold assembly.
(FAA AD 93-16-13 refers)

Compliance: 1. Before each flight.
2. Replace within next 10 hours TIS.

Effective Date: 25 August 1993

DCA/BAL/11 Turning Vents - Inspection

Applicability: Thunder, Colt, and Thunder and Colt balloon envelopes fitted with turning vents and having a constructors number prior to 3550 (all Oswestry built envelopes)

Requirement: To ensure that all turning vents have adequate reinforcement at the upper and lower ends, accomplish the following:-

Inspect balloon envelope per Cameron Balloons (Thunder and Colt) SB2 Issue 1, Revision C. If the reinforcing tapes do not conform to the diagrams shown in the bulletin, then additional tapes must be fitted per SB2 Issue 1, Revision C within the next 20 hours TIS.
(UK CAA AD 001-07-96 refers)

Compliance: Within next 10 hours TIS.

Effective Date: 27 September 1996

DCA/BAL/12 Propane Cylinder Pressure Relief Valves – Inspection and Renewal

Applicability: All fuel cylinders supplied for flight by Cameron Balloons Ltd, Thunder & Colt and Thunder & Colt Ltd.

Requirement: To prevent failure of the pressure relief valve, accomplish the following:-

1. Inspect pressure relief valves per Cameron Balloons (Thunder & Colt) SB 4. Replace valves if necessary before further flight per SB 4.
2. Renew the pressure relief valve per SB 4.
(UK CAA AD 002-11-98 refers)

Compliance: 1. Inspect within next 12 months and thereafter at intervals not to exceed 12 months.
2. At 10 years from the date stamped on the upper face of the valve.

Effective Date: 12 February 1999

DCA/BAL/13 Burner Frame Cross Bar Welds – Inspection

Applicability: Cameron Balloons Ltd (Thunder & Colt) triple burner frame. (Post Mod C252/T176)

Requirement: To prevent failure of the burner frame cross bar, accomplish the following:-

1. Inspect per Cameron Balloons (Thunder & Colt) SB 7. If cracking is found, the burner frame must be replaced before further flight.
2. Modify the burner frame per instructions from Cameron Balloons Ltd.
(UK CAA AD 002-11-98 refers)

Compliance: 1. Before every flight.

This inspection may be accomplished by pilot subject to:

- (a) Adequate instruction by LAME responsible for the aircraft.
- (b) Certificate of Release to Service endorsed to refer to inspection requirement.
- (c) Copy of SB 7 to be attached to the Certificate of Release to Service.

2. Within next 30 hours TIS or 3 months, whichever is the sooner.

Effective Date: 12 February 1999

DCA/BAL/14 Titanium Propane Cylinders – Removal from Service

Applicability: Cameron Balloons Ltd (Thunder and Colt) titanium propane cylinders, P/N CB2380, S/Ns up to and including BT0143, and P/N CB2383, S/Ns up to and including BT0076.

Requirement: To prevent titanium propane cylinders from cracking and releasing propane gas vapour while the balloon is in service, which could result in a propane explosion and fire, accomplish the following:-

1. Remove from service titanium propane cylinders listed in the applicability of this AD and replace with an approved airworthy propane cylinder.
2. Titanium propane cylinders listed in the applicability of this AD must not be fitted to any balloon.

(UK CAA AD 001-01-2000 refers)

Compliance: 1. By 9 March 2000.
2. From 2 March 2000

Effective Date: 2 March 2000

DCA/BAL/15 Main Blast, Liquid Fire and Pilot Light Valve Stems – Replacement

Applicability: Cameron Balloons Ltd (Sky Balloons) Mk 1 and Mk 2 (Mistral) burner fitted with 3 valve stems per valve block, S/N 001 through 098, 100 and 101. (The S/N is engraved on the mounting bracket between the cans of the burner unit)

Requirement: To prevent external fuel leak from the underside of the burner unit during flight, accomplish Cameron Balloons Ltd (Sky Balloons) SB 10.

(UK CAA AD 003-05-2000 refers)

Compliance: Within next 20 hours TIS or by 29 June 2001, whichever is the sooner.

Effective Date: 29 June 2000

DCA/BAL/16A Cancelled – DCA/BAL/22 refers

Effective Date: 28 January 2008

DCA/BAL/17 Triple and Quad Burner Support - Inspection

Applicability: All Cameron Shadow/Shadow Stealth – Triple, Quad and Stratus Triple, Quad gimbaled burner assemblies installed on but not limited to Cameron balloons Ltd A,N,O,Z Thunder S1, S2, and Colt A series hot air balloons.

Requirement: Inspect the burner support plate and mounting tube in accordance with Cameron Balloons Ltd Service Bulletin No 13 issue A. Any cracked or damaged items must be replaced with serviceable items before further flight.

(UK CAA AD G-2004-0026 refers)

Compliance: Before further flight.

Effective Date: 25 November 2004

DCA/BAL/18 Cameron Solid Floor Basket - Inspection

Applicability: All solid floor baskets manufactured by Cameron Balloons Limited, Thunder Balloons Ltd, Colt Balloons Ltd, Thunder and Colt Ltd and Sky Balloons Ltd.

Requirement: The manufacturer has identified several occurrences of damaged basket suspension wires on the underside of solid floor baskets. It is thought that damage to the basket occurs as a result of inappropriate handling when loading and unloading the basket from a vehicle or trailer. To identify and rectify damaged suspension wires and prevent failure of one or more wires that may result in the basket tipping and causing injury to its occupants, accomplish the following:

1. Revise the CAA approved Flight Manual for any balloon fitted with a Cameron solid floor basket by incorporating the following text into the Normal Procedures section of the FM.

ADDITIONAL FLIGHT MANUAL INFORMATION (Section 4 – Normal Procedures)**Pre-Flight Check of Basket Suspension Wires**

Solid floor baskets must have no damage to the rawhide wire protectors sufficient to expose the suspension wires. Check also for wire damage where the wires are visible between the protectors and the skids. Any such damage must be inspected by a qualified inspector and repaired, if necessary, before flight in accordance with Cameron Balloons Maintenance Manual section 6.16.4.

Note 1: This may be accomplished by inserting a copy of this AD into the AFM.

Note 2: Balloons for which Issue 9 amendment 1 of Cameron Balloons Flight Manual is applicable, may use the manual as an acceptable means of compliance with paragraph 1 of this AD.

2. Inspect the basket suspension wires and rawhide protectors in accordance with Cameron Balloons Service Bulletin No 12 revision 0 or later EASA approved revision. If any damage in excess of that permitted by Cameron Balloons Maintenance Manual Issue 9 Section 6.16.4 or later EASA approved revision must be repaired in accordance manufacturers approved data before further flight.

Note 3: The action required by Paragraph 1 of this AD may be carried out by an owner/operator holding at least a private pilot's license. An entry must be made in the balloon's records showing compliance with this AD.
(UK CAA AD G-2004-0028 refers)

Compliance:

1. By 7 December 2004.
2. By 31 December 2004.

Effective Date: 25 November 2004

DCA/BAL/19 Envelope Thermometer - Replacement

Applicability: All Kubicek model BB balloons.

Requirement: A precise envelope temperature reading is not possible due to visibility limitations of the graduations on the analogue thermometer.

Replace the envelope thermometer with a manufacturer approved thermometer or a thermometer approved for use on hot air balloons.
(Czech Republic AD CAA-AD-2-049/98 refers)

Compliance: By 28 February 2007, unless already accomplished.

Effective Date: 30 November 2006

DCA/BAL/20 Propane Cylinder Pilot Flame Pressure Reducers - Modification

- Applicability:** Theo Schroeder fire balloons VA 50- and VA 70- propane cylinders and Worthington cylinders manufactured up until July 2001 fitted with Lorch pilot flame pressure reducers.
- Requirement:** To prevent the gas inlet pipe to the pilot flame pressure reducer breaking due to rough and improper handling of the propane cylinder, modify the pressure reducer per the instructions in Theo Schroeder Technical Note No. 8025-34 dated 17 June 2001. (Czech Republic CAA AD CAA-060/2001 and LBA AD 2001-229 refers)
- Compliance:** By 30 January 2007, unless already accomplished.
- Effective Date:** 30 November 2006

DCA/BAL/21 Main Flight Burner Valve Seal – Replacement

- Applicability:** All Kubicek model BB balloons fitted with H3, H3-D, HB1, HB2 and H4 burners.
- Requirement:** To prevent excessive wear of the valve sealing face causing the valve to leak, possibly due to inferior seal face quality, replace the seals per the instruction in Kubicek Balloons Mandatory Bulletin No. BB/23a, AB015a, dated 26 November 2002. (Czech Republic CAA AD CAA-T-111/2002 refers)
- Compliance:** Before further flight, unless already accomplished.
- Effective Date:** 30 November 2006

DCA/BAL/22 Lindstrand 3/8” Fuel Hoses – Inspection

- Applicability:** All Lindstrand balloons fitted with 3/8” bore hoses supplied by Lindstrand between 6 September 1998 and 5 September 2001 which have been manufactured by Flexquip Ltd as identified in Lindstrand Hot Air Balloons (LHAB) Service Bulletin (SB) No. 11.
- Note 1:** Since the issue of LHAB SB No. 7 and SB No. 8 there have been further hose failures. This AD supersedes DCA/BAL/16A.
- Requirement:** To prevent the escape of liquid propane through small flaws in the hose material, accomplish the following:
1. Inspect the balloon burners and establish whether any affected hoses are fitted as identified in LHAB SB No.11. Inspect and test affected hoses per the instructions in LHAB SB No.11. Replace defective hoses before further flight.
 2. Inspect and test affected hoses per the instructions in LHAB SB No.11. Replace defective hoses before further flight.
 3. Replace all affected hoses per the instructions in LHAB SB No.11.
- Note 2:** Affected hoses removed from service shall not be fitted to any aircraft.
- Note 3:** The accomplishment of requirement 3 is a terminating action to the requirements of this AD.
(UK CAA AD G-2008-0001 refers)
- Compliance:**
1. Before further flight.
 2. Within the next 10 hours TIS and thereafter at intervals not to exceed 10 hours TIS until requirement 3 is accomplished.
 3. At the next annual inspection.
- Effective Date:** 28 January 2008

DCA/BAL/23 Gas Cylinder Self-Seal Inlet Valves – Inspection & Replacement

- Applicability:** All gas cylinders supplied by Cameron Balloons Ltd fitted with CB-0824-0001 Rego Type cylinder liquid valves which have a date stamp between December 2005 and August 2006.
- Requirement:** To prevent a partial or complete blockage of the burner supply due to a defective inlet self seal valve which could result in an uncontrolled descent, inspect gas cylinders to identify whether an affected cylinder liquid valve is fitted per the instructions in Cameron Balloons Ltd. (CBL) Service Bulletin (SB) No. 17.
For single cylinder balloons replace affected cylinder liquid valves per CBL SB No. 16 and 17, before further flight.
For multi cylinder hopper balloons modify all affected cylinder liquid valves per CBL SB No. 16 and 17 before further flight.
For other multi cylinder balloons affected liquid valves may remain in service.
- Note:** The CAA and the manufacturer recommend that affected self-seal cylinder liquid valves on all multi cylinder balloons are replaced per the instructions in CBL SB No. 16.
 (UK CAA AD G-2008-0002 refers)
- Compliance:** Before further flight.
- Effective Date:** 15 February 2008

DCA/BAL/24A Hose Connectors - Inspection and Rework

- Applicability:** All balloons fitted with connector P/N HS6139 (3/8" BSPP back nut) or P/N HS6144 (1/4"NPT back nut) with a S/N listed in Table 1 of EASA AD 2012-0142R1.
 All balloons fitted with burners and manifolds with a S/N listed in Table 1 of EASA AD 2012-0142R1.
 This type of equipment is known to be installed on, but not limited to balloons manufactured by 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, Pilatre de Rozier S.I.G.A. S.A., Schroeder Fire Balloons GmbH, Sky Balloons, Thunder Balloons, Thunder & Colt, and Ultramagic S.A.
- Note 1:** This AD revised to introduce note 4 and extend the AD compliance.
- Requirement:** To prevent gas leaks due to possible insufficient fastening torque of hose connectors which could be a fire hazard, accomplish the requirements in EASA AD 2012-0142R1.
- Note 2:** Lindstrand Hot Air Balloons Ltd. SB N° 12 dated 10 February 2012 or later approved revisions are acceptable to comply with the requirements of this AD.
- Note 4:** The inspection requirements of this AD may be accomplished by adding the inspection requirement to the tech log. The visual inspection may be performed and certified under the provision in Part 43 Appendix A.1 (7) by the holder of a current pilot licence, if that person is rated on the aircraft, appropriately trained and authorised (Part 43, Subpart B refers), and the maintenance is recorded and certified as required by Part 43.
 (EASA AD 2012-0142R1 refers)
- Compliance:** At the compliance times specified in EASA AD 2012-0142R1.
- Effective Date:** DCA/BAL/24 - 30 August 2012
 DCA/BAL/24A - 27 September 2012

The State of Design ADs listed below are available directly from the National Airworthiness Authority (NAA) websites. Links to NAA websites are available on the CAA website at <https://www.aviation.govt.nz/aircraft/airworthiness/airworthiness-directives/links-to-state-of-design-airworthiness-directives/>

If additional NZ ADs need to be issued when an unsafe condition is found to exist in an aircraft or aeronautical product in NZ, they will be added to the list below.

EASA AD 2016-0151 Burner and Fuel Hoses – Inspection

Applicability: All balloon models and types listed in EASA AD 2016-0151 fitted with a Kubiček Burner with fuel hoses made of “EGEFLEX” material.

Effective Date: 9 August 2016

FAA AD 2016-17-04R1 Burner and Fuel Hoses – Inspection

Applicability: All balloon models and types fitted with a BALÓNY KUBÍČEK spol. s r.o. Model Kubíček burner and fuel hose(s) made of "EGEFLEX" material.

Note: This AD is applicable to FAA Type Certificated hot air balloons fitted with Kubicek fuel hoses made of “EGEFLEX” material.

Effective Date: FAA AD 2016-17-04 - 29 August 2016
FAA AD 2016-17-04R1 - 6 September 2016

EASA AD 2018-0107 (Correction) Lindstrand T30 Propane Cylinders – Removal from Service

Applicability: All balloon models and types listed in EASA AD 2018-0107 (Correction: 22 May 2018).

Note: EASA AD 2018-0107 was issued by EASA on 15 May 2018, and then corrected by EASA on 22 May 2018.

Effective Date: 31 May 2018

EASA AD 2018-0181 Envelope Vertical Load Tapes – Inspection

Applicability: Balóny Kubíček BB balloons, S/N 1292, 1331, 1360, 1364 and 1397.

Effective Date: 3 September 2018

EASA AD 2019-0245 Schroeder Burners – Inspection

Applicability: All balloon types and models listed in EASA AD 2019-0245 fitted with Schroeder Fire Balloons FB6 burners, all S/N and FB7 burners, all S/N,

Except those burners that have a screw on the side of the valve identified in accordance with the instructions in Schroeder Fire Balloons Technical Note (TN) No. EASA.BA.016-62, and

Except those burners that have been corrected and marked in accordance with the instructions in Schroeder Fire Balloons Technical Note (TN) No. EASA.BA.016-62.

Effective Date: 24 October 2019

EASA AD 2021-0042 Burner Assembly and Hanger – Inspection

Applicability: All balloon types and models fitted with Stratus double burner hangers P/N CB8504, issues A to C inclusive.

Affected hangers are part of Stratus double burner assemblies P/N CB8720 or P/N CB8721. These double burner assemblies use a doubler plate to reinforce the central part of the hanger bracket, as shown on figure 2 of Cameron Balloons SB 28.

Note: Cameron Balloons SB 28 original issue dated 15 January 2020, or Revision 1 dated 24 February 2020, or Revision 2 dated 04 March 2020, or later approved revision pertains to the subject of this AD.

Effective Date: 12 February 2021

UK CAA AD G-2021-0010-E Cancelled - UK CAA AD G-2021-0014-E refers

Effective Date: 4 November 2021

UK CAA AD G-2021-0012 Burner Assembly and Hanger – Inspection

Applicability: All balloon types and models, all S/N as listed in Type Certificate Data Sheets (TCDS) UK TC BA.00001, UK TC BA.00002, UK TC BA.00003, UK TC BA.00006 and EASA BA.028 and EASA BA.030.

Affected balloons are those balloons manufactured by Cameron Balloons Ltd, Colt Balloons, Lindstrand Balloons Ltd., Lindstrand Hot Air Balloons Ltd, Sky Balloons, Thunder Balloons, Thunder & Colt Balloons, Lindstrand Technologies Ltd. listed in the aforementioned Type Certificate Data Sheets (TCDS).

Effective Date: 3 November 2021

UK CAA AD G-2021-0014R1-E Cylinder Quick Shut-off Valve Mounting Flange – Inspection

Applicability: Fuel cylinders Part No (P/N) CB2901, P/N CB2902 and P/N CB2903, having a serial number (s/n) as listed in **Appendix 1** of this AD, where the cylinder is equipped with a QSO valve (incorporating flanged adaptor P/N CB437 Issue F), and all P/N CB2901, P/N CB2902 and P/N CB2903 cylinders having a s/n not listed in Appendix 1 of this AD that have been fitted with a flanged adaptor P/N CB437 Issue F and released as spare parts under Invoice and Form 1 Numbers as listed in **Appendix 2** of this AD.

Stainless Steel cylinders CB426, CB497, CB599, CB959, CB2088, V20, V30, V40; Titanium cylinders CB2380, CB2383, CB2385, CB2387, T30 (CY-050-A-001) and “Worthington” Aluminium cylinders CB250, may also be affected if fitted with CB437 flanged adaptors supplied on invoice and Form 1 numbers listed in **Appendix 2** of this AD.

These fuel cylinders are known to be installed on, but not limited to, hot air balloons and airships manufactured by Cameron Balloons Ltd, Colt Balloons, Lindstrand Balloons Ltd (LBL), Lindstrand Hot Air Balloons Ltd, Sky Balloons, Thunder Balloons, Thunder & Colt, and Lindstrand Technologies Ltd.

Note: Since the issue of AD G-2021-0014-E additional information pertaining to the means of visual identification of the affected parts has been released by Cameron Balloons Ltd. It was also determined that the replacement part specified in the previous EADs, P/N CB437 ‘Issue G’ did not go into production and instead ‘Issue H’ was produced.

UK CAA AD G-2021-0014R1-E is revised to include additional information in the applicability, the inclusion of photos (figures 2, 3 and 4) and to reference the correct replacement P/N (an updated drawing issue). This revised AD also introduces editorial changes not affecting the requirements.

Effective Date: UK CAA AD 2021-0014-E - 4 November 2021
UK CAA AD 2021-0014R1-E - 14 December 2021

UK CAA AD G-2022-0010-E Cancelled – UK CAA AD G-2023-0005-E refers**Effective Date:** 2 August 2023**UK CAA AD G-2023-0005-E Fuel Cylinders – Inspection****Applicability:** Cameron fuel cylinders P/N CB2990 Issue A (Alugas) with S/N OC25001 to OC25202, and Q114001 to Q114496.**Note 1:** P/N CB2990 Issue B (Alugas) cylinders are not affected by this AD.**Note 2:** Affected fuel cylinders are known to be installed on, but not limited to, hot-air balloons and airships manufactured by Cameron Balloons Ltd, Colt Balloons, Lindstrand Balloons Ltd (LBL), Lindstrand Hot Air Balloons Ltd, Sky Balloons, Thunder Balloons, and Thunder & Colt.**Effective Date:** 2 August 2023*** EASA AD 2024-0094 Occupant Restraint Harness – Inspection****Applicability:** Occupant restraint harnesses 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 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.

Effective Date: 30 May 2024*** UK CAA AD G-2024-0001-E Envelopes with Polyester Filled Aramid (Kevlar) Load Tapes – Removal from Service****Applicability:** All Lindstrand Technologies types/models of hot air balloon envelopes with a date of manufacture after March 2017.**Compliance:** Before further flight.**Effective Date:** 2 May 2024