


EASA	AIRWORTHINESS DIRECTIVE	
	<p>AD No.: 2011-0167</p> <p>Date: 06 September 2011</p> <p>Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.</p>	
<p>This AD is issued in accordance with EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2003 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 [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].</p>		
<p>Type Approval Holder's Name :</p> <p>AIRBUS</p>	<p>Type/Model designation(s) :</p> <p>A318, A319, A320 and A321 aeroplanes</p>	
<p>TCDS Number :</p>	<p>EASA.A.064</p>	
<p>Foreign AD :</p>	<p>Not applicable</p>	
<p>Supersedure :</p>	<p>None</p>	
<p>ATA 35</p>	<p>Oxygen – Chemical Emergency Oxygen Containers – Identification / Modification</p>	
<p>Manufacturer(s):</p>	<p>Airbus (formerly Airbus Industrie)</p>	
<p>Applicability:</p>	<p>Airbus A318-111, A318-112, A319-111, A319-112, A319-113, A319-114, A319-115, A319-131, A319-132, A319-133, A320-111, A320-211, A320-212, A320-214, A320-215, A320-216, A320-231, A320-232, A320-233, A321-111, A321-112, A321-131, A321-211, A321-212, A321-213, A321-231 and A321-232 aeroplanes, all Manufacturer Serial Numbers (MSN).</p>	
<p>Reason:</p>	<p>During production of passenger oxygen containers, the manufacturer B/E Aerospace detected some silicon particles inside the oxygen generator manifolds. Investigation revealed that those particles (chips) had chafed from the mask hoses during installation onto the generator outlets. It was discovered that a defective mask hose installation device had caused the chafing.</p> <p>This condition, if not detected and corrected, could reduce or block the oxygen supply, possibly resulting in injury to passengers when oxygen supply is needed.</p> <p>For the reasons described above, this AD requires the identification and modification of the affected oxygen container assemblies. This AD also prohibits the installation of the affected containers on any aeroplane as replacement parts.</p>	
<p>Effective Date:</p>	<p>20 September 2011</p>	

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

Required as indicated, unless accomplished previously:

- (1) Before the accumulation of 4 500 flight cycles, or 6 000 flight hours, or 20 months, whichever occurs first after the effective date of this AD, identify the Part Number (P/N) and serial number (s/n) of each passenger oxygen container installed on the aeroplane. A review of aeroplane delivery- or maintenance records is acceptable to accomplish the identification as required by this paragraph, provided those records can be relied upon for that purpose.
- (2) If the P/N **and** s/n of a container, identified as required by paragraph (1) of this AD, are listed in Appendix 1 (P/N) and Table 1 (s/n) of **this AD**, accomplish the following actions concurrently, within the compliance time as specified in paragraph (1) of this AD, in accordance with the instructions of Airbus Service Bulletin (SB) A320-35A1047:
 - (2.1) Replace the oxygen generator manifold of the affected oxygen container with a serviceable manifold, **and**
 - (2.2) Perform an operational check of the manual mask release.

Table 1 – Affected serial numbers

ARBA-0000 to ARBA-9999 inclusive
ARBB-0000 to ARBB-9999 inclusive
ARBC-0000 to ARBC-9999 inclusive
ARBD-0000 to ARBD-9999 inclusive
ARBE-0000 to ARBE-9999 inclusive
BEBF-0000 to BEBF-9999 inclusive
BEBH-0000 to BEBH-9999 inclusive
BEBK-0000 to BEBK-9999 inclusive
BEBL-0000 to BEBL-9999 inclusive
BEBM-0000 to BEBM-9999 inclusive

- (3) Oxygen containers Type I that have been modified in accordance with the instructions of B/E Aerospace SB 1XCXX-0100-35-005, and oxygen containers Type II that have been modified in accordance with the instructions of B/E Aerospace SB 22CXX-0100-35-003, are compliant with the requirements of the paragraph (2) of this AD.
- (4) Aeroplanes on which Airbus modification 150703 or Airbus modification 150704 have **not** been embodied in production do not have to comply with the requirements of paragraph (2) of this AD, unless an oxygen container has been replaced since the entry into service of the aeroplane.
- (5) Aeroplanes on which Airbus modification 150703 or Airbus modification 150704 has been embodied in production and which are not listed by Model and MSN in Airbus SB A320-35A1047, do not have to comply with the requirements of paragraphs (1) and (2) of this AD, unless an oxygen container has been replaced since the entry into service of the aeroplane.
- (6) A319 aeroplanes that are equipped with a Gaseous Oxygen System for Passengers, installed in production with Airbus modification 33125, do not have the affected passenger oxygen containers installed. Unless these aeroplanes have been modified in-service (no approved Airbus modification exists), the requirements of paragraphs (1) and (2) of this AD do not apply to these aeroplanes.
- (7) From the effective date of this AD, do not install on any aeroplane an oxygen container with a P/N listed in Appendix 1 of this AD **and** a s/n listed in Table 1 of this AD, unless the container has been modified in accordance with the instructions of Airbus SB A320-35A1047, or B/E Aerospace SB 1XCXX-0100-35-005, or B/E Aerospace SB 22CXX-0100-35-003, as applicable.

Ref. Publications:	Airbus SB A320-35A1047 original issue dated 29 March 2011. B/E Aerospace SB 1XCXX-0100-35-005 dated 14 March 2011. B/E Aerospace SB 22CXX-0100-35-003 dated 17 March 2011. The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.
Remarks :	<ol style="list-style-type: none">1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.2. This AD was posted on 21 July 2011 as PAD 11-075 for consultation until 18 August 2011. The Comment Response Documents can be found at http://ad.easa.europa.eu/.3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail ADs@easa.europa.eu.4. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS – Airworthiness Office – EIAS, Fax +33 5 61 93 44 51, E-mail: account.airworth-eas@airbus.com.

SUPERSEDED

Appendix 1 : P/N of the affected passenger emergency oxygen container assemblies

NOTE: Variables **XX** show the colour code of the oxygen container assembly.

Type I - 15 Min.			
12C15L215XX0100	12C15R335XX0100	13C15R215XX0100	14C15L335XX0100
12C15L216XX0100	12C15R336XX0100	13C15R216XX0100	14C15L336XX0100
12C15L235XX0100	12C15R475XX0100	13C15R235XX0100	14C15L475XX0100
12C15L236XX0100	12C15R476XX0100	13C15R236XX0100	14C15L476XX0100
12C15L2F5XX0100	12C15R4G5XX0100	13C15R2F5XX0100	14C15L4G5XX0100
12C15L2F6XX0100	12C15R4G6XX0100	13C15R2F6XX0100	14C15L4G6XX0100
12C15L335XX0100	13C15L216XX0100	13C15R335XX0100	14C15R215XX0100
12C15L336XX0100	13C15L235XX0100	13C15R336XX0100	14C15R216XX0100
12C15L475XX0100	13C15L236XX0100	13C15R475XX0100	14C15R235XX0100
12C15L476XX0100	13C15L2F5XX0100	13C15R476XX0100	14C15R236XX0100
12C15L4G5XX0100	13C15L2F6XX0100	13C15R4G5XX0100	14C15R2F5XX0100
12C15L4G6XX0100	13C15L335XX0100	13C15R4G6XX0100	14C15R2F6XX0100
12C15R215XX0100	13C15L336XX0100	14C15L215XX0100	14C15R335XX0100
12C15R216XX0100	13C15L475XX0100	14C15L216XX0100	14C15R336XX0100
12C15R235XX0100	13C15L476XX0100	14C15L235XX0100	14C15R475XX0100
12C15R236XX0100	13C15L4G5XX0100	14C15L236XX0100	14C15R476XX0100
12C15R2F5XX0100	13C15L4G6XX0100	14C15L2F5XX0100	14C15R4G5XX0100
12C15R2F6XX0100	13C15R215XX0100	14C15L2F6XX0100	14C15R4G6XX0100
Type I - 22 Min.			
12C22L215XX0100	12C22R335XX0100	13C22R215XX0100	14C22L335XX0100
12C22L216XX0100	12C22R336XX0100	13C22R216XX0100	14C22L336XX0100
12C22L235XX0100	12C22R475XX0100	13C22R235XX0100	14C22L475XX0100
12C22L236XX0100	12C22R476XX0100	13C22R236XX0100	14C22L476XX0100
12C22L2F5XX0100	12C22R4G5XX0100	13C22R2F5XX0100	14C22L4G5XX0100
12C22L2F6XX0100	12C22R4G6XX0100	13C22R2F6XX0100	14C22L4G6XX0100
12C22L335XX0100	13C22L216XX0100	13C22R335XX0100	14C22R215XX0100
12C22L336XX0100	13C22L235XX0100	13C22R336XX0100	14C22R216XX0100
12C22L475XX0100	13C22L236XX0100	13C22R475XX0100	14C22R235XX0100
12C22L476XX0100	13C22L2F5XX0100	13C22R476XX0100	14C22R236XX0100
12C22L4G5XX0100	13C22L2F6XX0100	13C22R4G5XX0100	14C22R2F5XX0100
12C22L4G6XX0100	13C22L335XX0100	13C22R4G6XX0100	14C22R2F6XX0100
12C22R215XX0100	13C22L336XX0100	14C22L215XX0100	14C22R335XX0100
12C22R216XX0100	13C22L475XX0100	14C22L216XX0100	14C22R336XX0100
12C22R235XX0100	13C22L476XX0100	14C22L235XX0100	14C22R475XX0100
12C22R236XX0100	13C22L4G5XX0100	14C22L236XX0100	14C22R476XX0100
12C22R2F5XX0100	13C22L4G6XX0100	14C22L2F5XX0100	14C22R4G5XX0100
12C22R2F6XX0100	13C22R215XX0100	14C22L2F6XX0100	14C22R4G6XX0100
Type II - 15 Min.			
22C15L110XX0100	22C15L280XX0100	22C15R110XX0100	22C15R280XX0100
22C15L120XX0100	22C15L290XX0100	22C15R120XX0100	22C15R290XX0100
22C15L130XX0100	22C15L370XX0100	22C15R140XX0100	22C15R370XX0100
22C15L140XX0100	22C15L3J0XX0100	22C15R140XX0100	22C15R3J0XX0100
22C15L150XX0100	22C15L480XX0100	22C15R150XX0100	22C15R480XX0100
22C15L160XX0100	22C15L4H0XX0100	22C15R160XX0100	22C15R4H0XX0100
22C15L170XX0100	22C15L4S0XX0100	22C15R170XX0100	22C15R4S0XX0100
22C15L210XX0100	22C15L4T0XX0100	22C15R210XX0100	22C15R4T0XX0100
22C15L220XX0100	22C15L680XX0100	22C15R220XX0100	22C15R6U0XX0100
22C15L240XX0100	22C15L680XX0100	22C15R240XX0100	
22C15L270XX0100	22C15L6U0XX0100	22C15R270XX0100	
Type II - 22 Min.			
22C22L110XX0100	22C22L280XX0100	22C22R110XX0100	22C22R280XX0100
22C22L120XX0100	22C22L290XX0100	22C22R120XX0100	22C22R290XX0100
22C22L130XX0100	22C22L370XX0100	22C22R140XX0100	22C22R370XX0100
22C22L140XX0100	22C22L3J0XX0100	22C22R140XX0100	22C22R3J0XX0100
22C22L150XX0100	22C22L480XX0100	22C22R150XX0100	22C22R480XX0100
22C22L160XX0100	22C22L4H0XX0100	22C22R160XX0100	22C22R4H0XX0100
22C22L170XX0100	22C22L4S0XX0100	22C22R170XX0100	22C22R4S0XX0100
22C22L210XX0100	22C22L4T0XX0100	22C22R210XX0100	22C22R4T0XX0100
22C22L220XX0100	22C22L680XX0100	22C22R220XX0100	22C22R6U0XX0100
22C22L240XX0100	22C22L680XX0100	22C22R240XX0100	
22C22L270XX0100	22C22L6U0XX0100	22C22R270XX0100	