EASA	EMERGENCY AIRWORTHINESS DIRECTIVE
	AD No.: 2013-0059-E **Date: 08 March 2013** Note: This Emergency 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.

This AD is issued in accordance with EU 748/2012, Part 21.A.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].

Design Approval Holder's Name :	**Type/Model designation(s) :**
DASSAULT AVIATION	Falcon 7X aeroplanes

TCDS Number :	EASA.A.155
Foreign AD :	Not applicable
Supersedure :	None

ATA 35	**Oxygen – Flight Crew Oxygen Masks / Stowage Units – Operational Test / Replacement**

Manufacturer(s):	DASSAULT AVIATION
Applicability:	Falcon 7X aeroplanes, all serial numbers.
Reason:	During an aeroplane delivery flight test, the flight crew oxygen supply failed. The technical investigations carried out by the flight crew oxygen mask and stowage box manufacturer identified potentially defective flight crew mask oxygen assembly part number (P/N) MSE30-005-3-8 including stowage box P/N CSD 30-005-3-8. This condition, if not detected and corrected, may cause failure to supply oxygen upon demand to the flight crew in flight in "100%" and "Emergency" modes which, in case of an emergency, may result in incapacitation of the flight crew. To address this potential unsafe condition, Dassault Aviation (DA) issued Service Bulletin (SB) F7X-241, containing instructions to identify and replace the affected flight crew oxygen masks and stowage boxes. For the reasons described above, this AD requires accomplishment of operational tests of each flight crew oxygen mask and replacement of the affected stowage boxes with serviceable parts. Replacement constitutes terminating action for the repetitive operational tests.
Effective Date:	11 March 2013

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

Required as indicated, unless previously accomplished:

Note 1: For the purpose of this AD, a serviceable stowage box P/N CSD 30-005-3-8 is a part with serial number (S/N) 1013 or higher, or below 1013 with a suffix –"A".

(1) Aeroplanes equipped with flight crew mask oxygen assembly P/N MSE30-005-3-8 / stowage box CSD 30-005-3-8 with S/N 1013 or higher, or S/N below 1013 with suffix –"A" are not affected by the requirements of this AD, except the requirement of paragraph (8) of this AD.

(2) Before next flight after the effective date of this AD, amend the Aircraft Flight Manual (AFM) DGT 105608 to incorporate the operational procedure as specified in Appendix 1 of this AD, and operate the aeroplane accordingly. This can be accomplished by inserting a copy of this AD into the AFM.

(3) Before next flight after the effective date of this AD, accomplish an operational test of each flight crew mask oxygen assembly P/N MSE30-005-3-8 including stowage box P/N CSD 30-005-3-8 in accordance with the procedure specified in Appendix 1 of this AD.

(4) Thereafter, for aeroplanes fitted with flight crew mask oxygen assembly P/N MSE30-005-3-8 including stowage box P/N CSD 30-005-3-8, which, on the effective date of this AD, have accumulated less than 50 flight hours (FH) since first installation on an aeroplane: Before each next flight, accomplish an operational test of each flight crew oxygen mask assembly in accordance with the procedure specified in Appendix 1 of this AD.

(5) If, during any operational test as required by paragraph (3) or (4) of this AD, a discrepancy is detected, before next flight, except as provided by the Master Minimum Equipment List (MMEL, see Note 2 of this AD), replace the affected stowage box P/N CSD30-005-3-8 with a serviceable stowage box in accordance with the instructions of DA SB F7X-241.

Note 2: Dispatch of the aeroplane with 3rd crew oxygen mask inoperative is allowed per MMEL item 35-3.

(6) Unless accomplished as required by paragraph (5) of this AD, within the compliance specified in Table 1 of this AD, as applicable, replace each stowage box P/N CSD30-005-3-8 with a serviceable stowage box in accordance with the instructions of DA SB F7X-241.

Table 1 – Stowage Box Replacement

FH accumulated (on the effective date of this AD) by the stowage box since first installation on an aeroplane	Compliance Time (after the effective date of this AD)
less than 50 FH	within 8 days
50 FH or more	within 65 days

(7) Replacement of all affected flight crew oxygen mask stowage boxes with serviceable stowage boxes on an aeroplane, as required by paragraph (5) or (6) of this AD, as applicable, constitutes terminating action for the repetitive operational tests as required by paragraph (4) of this AD for that aeroplane and a copy of this AD can be removed from the AFM of that aeroplane.

(8) From the effective date of this AD, do not install any flight crew oxygen

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	mask stowage box P/N CSD 30-005-3-8 on an aeroplane, unless it has been determined to be a serviceable stowage box (see Note 1 of this AD).
Ref. Publications:	Dassault Aviation SB F7X-241 original issue dated 07 March 2013. The use of later approved revisions of this 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. The results of the safety assessment have indicated the need for immediate publication and notification, without the full public consultation process. 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 your Dassault Falcon Technical Assistance: • For Europe, Middle East and Africa based operators: Hot Line: (33) 1 47 11 37 37, • For USA, Canada and Mexico based operators: Help Desk: (1) 800-2FALCON (2325266), • All other areas: Help Desk: (1) 201 541 4747.

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Appendix 1

Airplane Flight Manual Procedure to DGT 105608

FALCON Airplane Flight Manual	NORMAL	4-110-07
	BEFORE TAXI	Page 1/1
	Quick Donning Oxygen Mask Additional Test	

Quick Donning Oxygen Mask Additional Test

NOTE

The O2 mask additional test is designed to verify the ability to breathe with the O2 mask donned.

It has to be performed after completion of the oxygen mask test as described in QRH1 « Power On » section 15-20.

O2 MASK ADDITIONAL TEST PROCEDURE:

Make sure that the PRESS TO TEST knob is on the 100% position

- Remove the mask from the stowage box
- Depress the inflation controls (red tabs) to inflate the harness
- Position the mask onto the head
- Take a few breaths
- **If the test is successful:**
  - Breathing is free and unrestricted
  - The pneumatic blinker (yellow cross) appears and disappears according to the breathing frequency
- Store the mask in the stowage box when test is completed.

NOTE

Refer to CODDE 1 ATA 35 subchapters 02-35-10 and 02-35-40 for quick donning mask operation and stowage

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