

EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2014-0263
	Date: 05 December 2014 <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 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].</p>	
Design Approval Holder's Name: AIRBUS HELICOPTERS	Type/Model designation(s): AS 332 and EC 225 helicopters
TCDS Number:	EASA.R.002
Foreign AD:	Not applicable
Supersedure:	None
ATA 52	Doors – Cabin Sliding Plug Doors / Emergency Jettisoning System – Inspection
Manufacturer(s):	Airbus Helicopters (formerly Eurocopter, Eurocopter France, Aerospatiale)
Applicability:	<p>AS 332 C, AS 332 C1, AS 332 L, and AS 332 L1 helicopters, all manufacturer serial numbers with a manufacturing date before 14 July 2014 and equipped with cabin sliding plug doors modified in accordance with Airbus Helicopters modification (mod) AL25612 or mod 0723047.</p> <p>AS 332 L2 and EC 225 LP helicopters, all manufacturer serial numbers with a manufacturing date before 14 July 2014 and equipped with cabin sliding plug doors.</p>
Reason:	<p>During a scheduled inspection of the jettisoning mechanism of the cabin lateral sliding plug doors, failure of an emergency jettisoning test of a door was reported. Subsequent investigation of the affected door revealed significant corrosion damage affecting the door jettisoning system. The detected corrosion was likely due to the accumulation of un-drained water. Apparently, excessive Plastic-Rubber compound obstructed the water drain of the door jettisoning mechanism.</p> <p>This condition, if not detected and corrected, could lead to jamming of the door jettisoning mechanism, possibly preventing jettisoning of the affected door in an emergency situation and obstructing the safe evacuation of occupants.</p> <p>To address this potential unsafe condition, Airbus Helicopters issued Alert Service Bulletin (ASB) AS332-53.01.86 and ASB EC225-53A048 to provide inspection instructions.</p> <p>For the reasons described above, this AD requires a one-time inspection of both left hand (LH) and right hand (RH) cabin lateral sliding plug doors to verify</p>

	that no corrosion is present in the affected area of the doors emergency jettisoning system and, depending on findings, corrective action(s).												
Effective Date:	12 December 2014												
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Within the compliance time as specified in Table 1 of this AD, depending on calendar time accumulated by the helicopter since new, inspect the affected area of the door emergency jettisoning system of both LH and RH cabin lateral sliding plug doors to detect any corrosion in accordance with the instructions of Airbus Helicopters ASB AS332-53.01.86 or ASB EC225-53A048, as applicable to helicopter model.</p> <p style="text-align: center;">Table 1 – Compliance Time</p> <table border="1"> <tr> <th>Calendar time accumulated (on the effective date of this AD) by the helicopter since new</th><th>Compliance time</th></tr> <tr> <td>Equal to or more than 12 months</td><td>Within 3 month after the effective date of this AD</td></tr> <tr> <td>Less than 12 months</td><td>Within 15 months after date of manufacture</td></tr> </table> <p>(2) If, during the inspection as required by paragraph (1) of this AD, any corrosion is detected, before next flight, accomplish the actions as specified in paragraphs (2.1) and (2.2) of this AD in accordance with the instructions of Airbus Helicopters ASB AS332-53.01.86 or ASB EC225-53A048, as applicable to helicopter model:</p> <p>(2.1) Measure the depth of the corrosion, and</p> <p>(2.2) Accomplish a jettisoning test of the affected door.</p> <p>(3) If, during the measurement as required by paragraph (2.1) of this AD a depth of corrosion less than 0,5 mm is detected, before next flight, depending on the result of the jettisoning test as required by paragraph (2.2) of this AD, accomplish the applicable corrective action as specified in Table 2 of this AD in accordance with the instructions of Airbus Helicopters ASB AS332-53.01.86 or ASB EC225-53A048, as applicable to helicopter model.</p> <p style="text-align: center;">Table 2 – Corrective action</p> <table border="1"> <tr> <th>Jettisoning Test result</th><th>Corrective Action</th></tr> <tr> <td>Failed</td><td>Replace the door jettisoning system with a serviceable part</td></tr> <tr> <td>Passed</td><td>Rework the door jettisoning system</td></tr> </table> <p>(4) If, during the measurement as required by paragraph (2.1) of this AD a depth of corrosion equal to or more than 0,5 mm is detected, before next flight, depending on the result of the jettisoning test as required by paragraph (2.2) of this AD, accomplish the applicable corrective action as specified in Table 2 of this AD in accordance with the instructions of Airbus Helicopters ASB AS332-53.01.86 or ASB EC225-53A048, as applicable to helicopter model.</p> <p>(5) Within 2 months after the jettisoning system rework, as required by</p>	Calendar time accumulated (on the effective date of this AD) by the helicopter since new	Compliance time	Equal to or more than 12 months	Within 3 month after the effective date of this AD	Less than 12 months	Within 15 months after date of manufacture	Jettisoning Test result	Corrective Action	Failed	Replace the door jettisoning system with a serviceable part	Passed	Rework the door jettisoning system
Calendar time accumulated (on the effective date of this AD) by the helicopter since new	Compliance time												
Equal to or more than 12 months	Within 3 month after the effective date of this AD												
Less than 12 months	Within 15 months after date of manufacture												
Jettisoning Test result	Corrective Action												
Failed	Replace the door jettisoning system with a serviceable part												
Passed	Rework the door jettisoning system												

	<p>paragraph (4) of this AD, and thereafter at intervals not to exceed 2 months, accomplish a jettisoning test of the affected door in accordance with the instructions of Airbus Helicopters ASB AS332-53.01.86 or ASB EC225-53A048, as applicable to helicopter model.</p> <p>(6) If, during any jettisoning test, as required by paragraph (5) of this AD, the test fails, before next flight, replace the door jettisoning system with a serviceable part in accordance with the instructions of Airbus Helicopters ASB AS332-53.01.86 or ASB EC225-53A048, as applicable to helicopter model.</p> <p>(7) Unless accomplished as required by paragraph (6) of this AD, within 6 months after the inspection as required by paragraph (1) of this AD, replace the door jettisoning system with a serviceable part in accordance with the instructions of Airbus Helicopters ASB AS332-53.01.86 or ASB EC225-53A048, as applicable to helicopter model.</p> <p>(8) Replacement of the door jettisoning system, as required by paragraph (6) or (7) of this AD, constitutes terminating action for repetitive jettisoning test as required by paragraph (5) of this AD.</p>
Ref. Publications:	<p>Airbus Helicopters ASB AS332-53.01.86, dated 18 August 2014, Airbus Helicopters ASB EC225-53A048, dated 18 August 2014.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
Remarks:	<ol style="list-style-type: none"> 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. 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 Helicopters (EBSESB) – Aéroport de Marseille Provence 13725 Marignane Cedex, France; Telephone +33 (4) 42 85 97 97; Fax +33 (4) 42 85 99 66; E-mail: Directive.technical-support@airbus.com.