


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2011-0140</p> <p>Date: 20 July 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 : Agusta S.p.A.</p>	<p>Type/Model designation(s) : AW139 helicopters</p>
TCDS Number :	EASA.R.006
Foreign AD :	Not applicable
Supersedure :	None
ATA 23	Communications – Primus Epic Harnesses Solder Splices – Inspection / Replacement
Manufacturer(s):	Agusta S.p.A. and Agusta Aerospace Corporation
Applicability:	AW139 helicopters, serial numbers: 31248, 31249, 41001 to 41023 inclusive, 41201 to 41234 inclusive, 41236 to 41239 inclusive, 41241, 41243 to 41245 inclusive, 41247, 41248, 41250, 41253 to 41255 inclusive, and 41257.
Reason:	<p>Some occurrences have been reported of intermittent noise in the Co-Pilot audio system.</p> <p>The technical investigations carried out by Agusta show that some of the solder splices on the audio panel were the possible cause of these malfunctions.</p> <p>This condition, if not detected and corrected, could impair the Co-Pilot's capability to react immediately to operational difficulties.</p> <p>To address this potentially unsafe condition, Agusta have issued Bolletino Tecnico (BT) 139-249.</p> <p>For the reasons described above, this AD requires accomplishment of an inspection of the solder splices and related wires for checking their condition and proper installation and, depending on findings, replacement of the solder splices.</p>
Effective Date:	03 August 2011

<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless already accomplished:</p> <ol style="list-style-type: none"> (1) For helicopters equipped with connectors as detailed in Table 1 (short-nose helicopters) or Table 2 (long-nose helicopters) of Agusta BT 139-249, as applicable, within 600 flight hours or 6 months, whichever occurs first after the effective date of this AD, or, when an "AVIONIC FAULT" cockpit message is displayed, before next flight, inspect the solder splices Part Number (P/N) D-110-41, for proper installation and overheating condition, in accordance with the instructions of Agusta BT 139-249. (2) If, during the inspection as required by paragraph (1) of this AD, a discrepancy is found on the solder splices, before next flight, replace the solder splices with serviceable parts, in accordance with the instructions of Agusta BT 139-249. (3) If, during the inspection as required by paragraph (1) of this AD, no discrepancy is found on the solder splices, before next flight, accomplish a manual pull-test of the splice, twisting the wires on each splice of the connector and, if a splice fails the pull-test, replace the defective splice with a serviceable part, in accordance with the instructions of Agusta BT 139-249. (4) From the effective date of this AD, do not install any solder splice P/N D-110-41 as identified in Table 1 and Table 2 of Agusta BT 139-249 on any helicopter, unless the solder splice has passed the inspection in accordance with the instructions of Agusta BT 139-249.
<p>Ref. Publications:</p>	<p>Agusta Bollettino Tecnico 139-249, original issue dated 13 July 2011. The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
<p>Remarks:</p>	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. The required actions and the risk allowance have granted the issuance of a Final AD with Request for Comments, postponing the public consultation process 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 Agusta S.p.A. E-mail: aw139.mbx@agustawestland.com .