EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2010-0056 **Date: 29 March 2010** 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.

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].

Type Approval Holder's Name :	**Type/Model designation(s) :**
AIRBUS	A340-500/-600 aeroplanes

TCDS Number :	EASA.A.015
Foreign AD :	Not applicable
Supersedure :	None

ATA 57	**Wings – Inner Ailerons - Inspection**
Manufacturer(s):	Airbus (formerly Airbus Industrie)
Applicability:	Airbus A340 aeroplanes, models -541, -542, -642 and -643, all manufacturer serial numbers.
Reason:	Following a Structural Repair Manual (SRM) repair strength re-evaluation, some Allowable Damage Limits (ADL) and Repairs of holes and delaminations in composite panels have been found to be no more compliant with certification requirements for A340-500/-600 inner aileron. Therefore, some Allowable Damage Limits and Repairs published in SRM Chapters 57-61-12 PB101 and 57-61-12 PB201 were de-validated starting from the SRM revision issued on January 2009. The terminology "De-validated SRM" used in this AD text refers to the SRM chapters mentioned above. In order to prevent complete inner aileron split due to possible failure or disbonding of the repairs on the inner aileron panels performed as per "de-validated SRM", which may result in flutter coupling of the free aileron part, this AD requires a one time inspection of the inner aileron panels to identify the presence of "de-validated SRM" repairs and, if necessary, to apply the associated corrective actions.
Effective Date:	12 April 2010

Required action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) In accordance with the instructions defined in Airbus Service Bulletin (SB) A340-57-5026, within 800 Flight Hours after the effective date of this AD, perform an inspection programme (tap test and visual inspection) or special detailed inspection (thermography inspection) of affected inner aileron panels at LH and RH wings in order to detect any previous accomplishment of “de-validated SRM” repair. (2) In case “de-validated SRM” repair is suspected, before next flight, contact Airbus to obtain the necessary approved instructions for corrective action and accomplish those instructions accordingly. (3) A review of aeroplane maintenance records is acceptable in lieu of the inspection required by paragraphs (1) of this AD if the de-validated SRM Chapters 57-61-12 PB101 and 57-61-12 PB201 from SRM revisions dated before January 2009 can be conclusively identified from that review. (4) After the effective date of this AD, do not install inner aileron panel on an aeroplane, unless in compliance with the requirements of this AD.
Ref. Publications:	Airbus Service Bulletin A340-57-5026 at original issue. 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 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 Airworthiness Directives, Safety Management & Research Section, Certification 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 – EAL; E-mail: airworthiness.A330-A340@airbus.com .