


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2007 – 0207R1</p> <p>Date: 07 November 2007</p>
No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry.	
Type Approval Holder's Name :	Type/Model designation(s) :
AIRBUS SAS	A340-500/-600 series
TCDS Number: EASA A.015	
Foreign AD : Not applicable	
Revision : This Airworthiness Directive (AD) revises and replaces EASA AD 2007-0207 dated 03 August 2007	
ATA 57	Wings – Centre Wing Box / Rear Spar Vertical Cruciform at Frame 47 – Inspection / Repair
Manufacturer(s):	AIRBUS (formerly AIRBUS INDUSTRIE)
Applicability:	AIRBUS A340 aircraft, models -541 and -642, all serial numbers, except those on which AIRBUS modification 56026 has been embodied in production or AIRBUS Service Bulletin (SB) A340-57-5010 has been embodied in service.
Reason:	<p>During the A340-600 full scale fatigue test, cracks were found on left and right sides of the rear spar vertical cruciform at Frame 47.</p> <p>This situation, if not corrected, can affect the aircraft structural integrity.</p> <p>Further to this full scale fatigue test completion, it has been determined that the current inspections values (thresholds and intervals) as specified in the ALI tasks 57.18.16 have to be reviewed in order to comply with certification requirements. Consequently AIRBUS Service Bulletin (SB) A340-57-5011 has been issued to supersede the ALI tasks 57.18.16.</p> <p>This AD mandates a repetitive inspection program in order to detect any crack by means of two Non-Destructive Test (NDT) inspection methods (High Frequency Eddy Current and Ultra Sonic).</p> <p>This AD has been revised in order to exclude from the applicability section, A340-642 aircraft on which a terminating action modification 56026 or SB A340-57-5010 has been embodied and which consists of a large cut-out of the vertical cruciform flange in order to reduce the stress level in this critical area.</p>

Effective Date:	17 August 2007 (effective date of AD 2007-0207)
Compliance:	<p>Required as indicated after the effective date of this AD:</p> <ol style="list-style-type: none"> 1. Unless already accomplished, within the thresholds (total Flight Cycles (FC) or Flight Hours (FH), whichever occurs first) mentioned in the paragraph E. (2) of SB A340-57-5011, depending on the configuration of the aircraft, carry out the NDT inspections of the cruciform fitting radius at Frame 47 on RH and LH sides, in accordance with the instructions of SB A340-57-5011 and send the inspection report to AIRBUS. 2. Should no crack be detected, repeat the inspection within the intervals (FC or FH, whichever occurs first) given in the paragraph E. (2) of SB A340-57-5011, depending on the configuration of the aircraft, in accordance with instructions of SB A340-57-5011 and send the inspection report to AIRBUS. 3. In case of any crack finding during the first or repetitive inspection, contact AIRBUS in order to get repair instructions and repair before any further flight. <p>This AD supersedes the inspection requirements of A340-500/-600 ALI tasks 57.18.16 (10 different tasks).</p> <p>When the aircraft has been modified in accordance with SB A340-57-5010, the actions 1, 2 and 3 of compliance section of this AD are no longer required.</p>
Ref. Publications:	<p>AIRBUS Service Bulletin A340-57-5010</p> <p>AIRBUS Service Bulletin A340-57-5011</p> <p>or later approved revisions.</p>
Remarks :	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can accept Alternative Methods of Compliance for this AD. 2. This AD was posted on 04 July 2007 as PAD 07-115 for consultation until 19 July 2007. The Comment Response Document (CRD) can be found under http://ad.easa.europa.eu. 3. Enquiries regarding this Airworthiness Directive should be referred to the Airworthiness Directive Focal Point - 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 SAS –Airworthiness Office – EAL E- mail: airworthiness.A330-A340@airbus.com.