



Airworthiness Directive

AD No.: 2016-0082

Issued: 27 April 2016

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, 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 Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 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 [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EC) 216/2008, Article 14(4) exemption].

Design Approval Holder's Name:

AIRBUS

Type/Model designation(s):

A330 and A340 aeroplanes

Effective Date: 11 May 2016

TCDS Numbers: EASA.A.004 and EASA.A.015

Foreign AD: Not applicable

Supersedure: None

ATA 57 – Wings – Inboard Flap Parts – Identification / Inspection

Manufacturer(s):

Airbus (formerly Airbus Industrie)

Applicability:

Airbus A330-201, A330-202, A330-203, A330-223, A330-243, A330-223F, A330-243F, A330-301, A330-302, A330-303, A330-321, A330-322, A330-323, A330-341, A330-342 and A330-343 aeroplanes, all manufacturer serial numbers (MSN),

Airbus A340-541, A340-542, A340-642 and A340-643 aeroplanes, all MSN.

Reason:

Following an Airbus quality control review on the final assembly line, it was discovered that non-conforming aluminium alloy was used to manufacture several structural parts on the inboard flap.

This condition, if not detected and corrected, could reduce the structural integrity of the aeroplane.

To address this potential unsafe condition, Airbus issued Service Bulletin (SB) A330-57-3120 and SB A340-57-5036 to provide instructions to identify and inspect the potentially affected parts.

For the reasons described above, this AD requires identification of the potentially affected inboard flap parts, a one-time Special Detailed Inspection (SDI) to identify which material they are made of and, depending on findings, replacement with serviceable parts.



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

Required as indicated, unless accomplished previously:

Note 1: For the purpose of this AD, the affected inboard flaps are listed by serial number (s/n) in Appendix 1 of this AD.

- (1) Within 24 months after the effective date of this AD, inspect each left hand (LH) and right hand (RH) inboard flap to identify the s/n.

A review of aeroplane delivery and/or maintenance records is acceptable in lieu of inspecting the inboard flaps, provided those records can be relied upon for that purpose and the s/n of the affected parts can be positively identified from that review.

Note 2: Airbus SB A330-57-3120 and Airbus SB A340-57-5036 list the s/n of potentially affected LH and RH inboard flaps and the corresponding aeroplane MSN on which these parts were installed during production. That MSN list is for information only, as it cannot be excluded that a potentially affected inboard flap has been removed from an aeroplane and later re-installed on another aeroplane.

- (2) For each inboard flap, identified as required by paragraph (1) of this AD and having a s/n as listed in Appendix 1 of this AD, within 6 years after the effective date of this AD, or within 12 years after the date of the flap first operation, as defined in Appendix 1 of this AD, whichever occurs first, accomplish a SDI in accordance with the instructions of Airbus SB A330-57-3120, or SB A340-57-5036, as applicable.
- (3) If, during the SDI as required by paragraph (2) of this AD, a part manufactured from non-conforming material is detected, within 30 days after the SDI as required by paragraph (2) of this AD, contact Airbus for approved replacement instructions and, within the compliance time(s) specified in those instructions, accomplish the replacement accordingly.
- (4) From the effective date of this AD, it is allowed to install on any aeroplane an inboard flap, provided the part is a serviceable part as defined in Note 3 of this AD.

Note 3: For the purpose of this AD, a serviceable inboard flap is a part that is not listed by s/n in Appendix 1 of this AD, or has a s/n listed in Appendix 1 of this AD but it has passed an SDI in accordance with the instructions of Airbus SB A330-57-3120, or SB A340-57-5036, as applicable.

Ref. Publications:

Airbus SB A330-57-3120 original issue dated 18 September 2015.

Airbus SB A340-57-5036 original issue dated 18 September 2015.

The use of later approved revisions these documents, 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. This AD was posted on 21 March 2016 as PAD 16-044 for consultation until 18 April 2016. The Comment Response Document can be found at <http://ad.easa.europa.eu>.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. 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 – EIAL, E-mail: airworthiness.A330-A340@airbus.com.



Appendix 1 – Affected Flaps

Note: The date of first operation is shown in this table as day, month, year (dd/mm/yy)

Date of first operation	LH s/n	RH s/n	Date of first operation	LH s/n	RH s/n	Date of first operation	LH s/n	RH s/n
29/09/10	11004	11004	28/02/11	11202	11201	19/12/12	11349	11349
21/07/09	11030	11028	22/02/11	11198	11202	17/12/12	11352	11352
17/08/09	11034	11002	07/03/11	11203	11203	15/11/12	11353	11353
21/05/10	11031	11031	30/03/11	11204	11204	30/10/12	11354	11354
09/08/10	11071	11071	31/05/11	11205	11229	22/10/12	11355	11355
10/07/09	11033	11057	15/03/11	11206	11206	31/10/12	11383	11357
06/08/10	11036	11098	24/03/11	11208	11208	30/10/12	11380	11356
29/07/09	11035	11035	04/04/11	11209	11209	26/11/12	11359	11393
19/08/09	11057	11036	22/03/11	11210	11210	30/11/12	11361	11361
23/12/09	11037	11033	23/03/11	11211	11213	16/11/12	11358	11358
14/09/09	11038	11038	24/03/11	11212	11212	30/11/12	11325	11360
17/09/10	11042	11039	14/04/11	11213	11214	12/12/12	11399	11365
23/09/09	11040	11040	14/04/11	11229	11215	26/11/12	11362	11362
11/09/09	11041	11041	11/04/11	11215	11217	09/11/12	11363	11363
12/05/10	11046	11042	06/04/11	11216	11216	30/11/12	11364	11364
01/10/09	11043	11043	12/04/11	11217	11219	23/11/12	11365	11368
01/10/09	11044	11044	15/04/11	11218	11218	07/12/12	11366	11366
08/09/09	11047	11045	04/05/11	11219	11221	06/12/12	11367	11367
07/09/09	11049	11046	29/04/11	11220	11220	19/12/12	11368	11370
18/09/09	1970	11047	11/05/11	11238	11222	11/12/12	11369	11369
30/09/09	11048	11048	13/05/11	11222	11223	21/12/12	11370	11372
26/10/09	11055	11049	06/05/11	11223	11224	13/12/12	11372	11375
03/09/10	11051	11051	19/05/11	11224	11225	20/12/12	11373	11373
30/10/09	11054	11054	19/05/11	11225	11205	21/12/12	11374	11374
19/11/09	11053	11053	29/06/11	11226	11226	16/01/13	11375	11377
28/10/10	11008	11019	25/05/11	11227	11227	11/01/13	11376	11376
27/10/09	11015	11055	16/05/11	11228	11228	15/01/13	11377	11350
28/10/09	11059	11059	10/06/11	11092	11092	05/02/13	11378	11381
29/10/09	11060	11060	23/11/11	11231	11231	25/01/13	11379	11379
16/11/10	11063	11063	08/07/11	11232	11232	18/01/13	11382	11380
23/12/09	11061	11061	23/06/11	11234	11234	22/03/13	11381	11382
23/11/09	11066	11066	22/06/11	11233	11233	27/02/13	11371	11371
03/11/10	11070	11070	24/06/11	11237	11237	08/03/13	11385	11383
30/11/09	11065	11065	15/06/11	11235	11235	06/02/13	11384	11384
30/11/09	11032	11032	01/07/11	11236	11236	05/02/13	11386	11385
18/11/09	11067	11067	12/07/11	11239	11239	19/02/13	11406	11389
17/12/09	11072	11072	25/11/11	11115	11115	16/03/13	11387	11387



Appendix 1 – Affected Flaps

Note: The date of first operation is shown in this table as day, month, year (dd/mm/yy)

Date of first operation	LH s/n	RH s/n	Date of first operation	LH s/n	RH s/n	Date of first operation	LH s/n	RH s/n
24/11/09	11074	11074	29/07/11	11240	11240	25/02/13	11388	11388
17/09/10	11147	11147	06/10/11	11243	11243	15/02/13	11390	11390
23/12/09	11095	11095	29/07/11	11244	11241	25/02/13	11392	11392
10/12/09	11075	11075	03/08/11	11245	11245	01/03/13	11391	11403
07/12/09	11076	11076	29/08/11	11246	11244	01/03/13	11394	11394
23/12/09	11077	11077	22/08/11	11247	11247	11/03/13	11393	11395
22/12/09	11069	11069	20/12/11	11248	11246	08/03/13	11397	11397
07/12/09	11079	11079	30/08/11	11249	11249	14/03/13	11395	11399
19/01/10	11078	11078	25/08/11	11136	11248	18/03/13	11396	11396
11/02/10	11081	11081	06/09/11	11250	11250	18/03/13	11356	11400
26/03/10	11080	11080	27/09/11	11252	11254	28/03/13	11398	11398
28/01/10	11082	11082	28/09/11	11221	11251	22/03/13	11401	11401
28/01/10	11084	11084	15/09/11	11214	11255	09/04/13	11400	11402
04/02/10	11098	11030	20/10/11	11266	11256	21/03/13	11404	11404
29/01/10	11085	11085	19/12/11	11258	11258	09/04/13	11402	11405
05/02/10	11039	11037	19/10/11	11255	11259	26/04/13	11403	11407
29/03/10	11086	11086	10/11/11	11259	11260	15/04/13	11360	11406
09/03/10	11087	11087	05/10/11	11261	11261	11/04/13	11407	11408
15/04/10	11088	11088	17/10/11	11260	11263	19/04/13	11409	11409
16/04/10	11089	11089	10/11/11	11254	11252	24/04/13	11410	11410
29/03/10	11090	11090	17/11/11	11262	11262	19/04/13	11411	14411
11/06/10	11091	11091	16/11/11	11263	11264	22/04/13	11408	11412
22/06/11	11230	11230	16/11/11	11264	11265	26/04/13	11413	11413
23/03/10	11093	11093	25/11/11	11265	11266	30/04/13	11414	11414
23/02/10	11094	11094	28/11/11	11267	11267	22/04/13	11412	11415
24/03/10	11073	11073	05/12/11	11268	11268	15/07/13	11416	11416
31/03/10	11096	11096	29/11/11	11270	11270	17/05/13	11405	11417
16/03/10	11097	11097	06/12/11	11271	11271	28/05/13	11415	11418
10/03/10	11101	11101	12/12/11	11272	11272	23/05/13	11419	11419
15/03/10	11099	11099	07/12/11	11275	11275	17/05/13	11417	11421
23/03/10	11100	11100	14/12/11	11269	11269	30/05/13	11418	11420
16/06/10	11105	11105	15/12/11	11274	11274	30/05/13	11357	11386
07/12/10	11102	11130	12/12/11	11276	11276	27/05/13	11420	11422
13/04/10	11106	11106	11/01/12	11279	11279	13/06/13	11421	11423
27/04/10	11104	11104	20/01/12	11278	11278	04/06/13	11424	11424
30/04/10	11103	11103	19/01/12	11164	11164	17/06/13	11426	11378
07/04/10	11108	11108	12/01/12	11277	11277	10/06/13	11423	11427



Appendix 1 – Affected Flaps

Note: The date of first operation is shown in this table as day, month, year (dd/mm/yy)

Date of first operation	LH s/n	RH s/n	Date of first operation	LH s/n	RH s/n	Date of first operation	LH s/n	RH s/n
16/04/10	11133	11133	19/01/12	11280	11281	27/06/13	11428	11428
10/05/10	11114	11114	23/01/12	11298	11282	20/06/13	11425	11425
10/05/10	11110	11110	17/01/12	11282	11284	27/06/13	11429	11426
06/05/10	11116	11116	30/01/12	11283	11283	21/06/13	11427	11429
27/05/10	11112	11112	01/02/12	11284	11285	01/07/13	11434	11434
13/07/11	11241	11238	24/02/12	11286	11286	01/07/13	11432	11432
11/05/10	11111	11034	17/02/12	11285	11287	23/07/13	11430	11430
17/06/10	11118	11118	29/02/12	11287	11289	31/07/13	11431	11431
09/06/10	11120	11120	22/02/12	11288	11288	19/07/13	11436	11436
16/07/10	11122	11122	23/02/12	11289	11291	12/07/13	11433	11433
06/07/10	11123	11123	24/02/12	11290	11290	01/08/13	11437	11437
21/05/10	11124	11124	21/02/12	11291	11293	15/07/13	11435	11435
12/07/10	11126	11126	04/04/12	11292	11292	19/07/13	11438	11316
28/06/10	11127	11127	05/04/12	11293	11294	13/11/13	11440	11438
18/06/10	11129	11129	20/03/12	11294	11296	06/08/13	11441	11441
22/06/10	11130	11102	09/03/12	11295	11295	02/08/13	11439	11439
24/09/10	11135	11135	30/03/12	11296	11298	05/08/13	11442	11440
25/06/10	11132	11132	29/03/12	11297	11297	09/08/13	11443	11391
26/07/10	E11006	11111	16/03/12	11299	11175	27/08/13	11446	11442
23/07/10	11138	11138	29/03/12	11300	11300	19/08/13	11447	11443
14/09/11	11251	11136	18/04/12	11281	11301	04/09/13	11444	11444
15/07/10	11062	11062	12/04/12	11302	11180	03/09/13	11445	11445
23/07/10	11141	11141	26/04/12	11301	11303	25/09/13	11449	11446
23/08/10	11145	11145	20/04/12	11303	11306	13/09/13	11450	11447
27/08/10	11117	11117	24/04/12	11304	11307	29/10/13	11448	11448
13/08/10	11146	11146	27/04/12	11305	11305	26/09/13	11453	11449
13/09/10	11149	11149	25/04/12	11306	11308	02/12/13	11454	11450
27/09/10	11150	11150	26/04/12	11307	11196	25/09/13	11451	11451
14/11/11	11148	11148	14/05/12	11308	11310	25/09/13	11472	11464
17/09/10	11151	11151	10/05/12	11310	11312	27/09/13	11457	11453
28/09/10	11107	11107	11/05/12	11312	11317	28/10/13	11458	11454
27/09/10	11159	11159	09/05/12	11309	11299	22/10/13	11456	11455
25/10/10	11153	11153	25/05/12	11311	11311	11/10/13	11455	11456
29/09/10	11155	11155	29/05/12	11313	11313	25/10/13	11459	11459
08/10/10	11156	11156	31/05/12	11314	11314	20/11/13	11460	11458
13/10/10	11157	11157	28/06/12	11317	11315	17/10/13	11461	11461
15/10/10	11168	11168	15/06/12	11316	11336	21/10/13	11462	11460



Appendix 1 – Affected Flaps

Note: The date of first operation is shown in this table as day, month, year (dd/mm/yy)

Date of first operation	LH s/n	RH s/n	Date of first operation	LH s/n	RH s/n	Date of first operation	LH s/n	RH s/n
13/10/10	11186	11160	15/06/12	11318	11318	23/10/13	11463	11463
22/10/10	11161	11161	31/05/12	11319	11319	05/11/13	11465	11462
22/10/10	11163	11163	18/06/12	11320	11320	04/11/13	11466	11466
25/01/12	11256	11280	22/06/12	11321	11321	13/11/13	11452	11473
22/11/10	11165	11165	19/07/12	11322	11322	04/11/13	11389	11465
10/11/10	11167	11167	29/06/12	11323	11323	22/11/13	11468	11457
02/12/10	1960	1960	11/07/12	11324	11324	27/11/13	11467	11467
15/11/10	11169	11169	26/06/12	11348	11325	11/12/13	11470	11468
30/11/10	11178	11170	09/07/12	11326	11326	18/11/13	11469	11469
10/11/10	11171	11171	03/07/12	11327	11327	02/12/13	11474	11470
30/11/10	11183	11172	12/07/12	11328	11328	02/12/13	11471	11471
26/11/10	11173	11173	16/07/12	11329	11329	30/12/13	11503	11488
14/12/10	11174	11174	24/08/12	11330	11330	16/12/13	11476	11474
15/06/12	11175	11302	13/07/12	11331	11331	16/12/13	11477	11477
19/11/10	11177	11177	23/07/12	11332	11332	06/12/13	11475	11475
23/12/10	11172	11178	29/08/12	11333	11333	03/12/13	11479	11476
11/04/12	11315	11304	10/08/12	11334	11334	09/12/13	11480	11480
16/12/10	11181	11181	23/07/12	11335	11335	09/12/13	11478	11489
15/12/10	11184	11183	30/08/12	11337	11337	09/12/13	11481	11481
15/12/10	11187	11184	30/07/12	11336	11309	17/12/13	11482	11482
14/01/11	11188	11188	31/08/12	11180	11339	09/01/14	11483	11483
25/01/11	11189	11187	18/09/12	11340	11340	21/01/14	11484	11484
21/01/11	11160	11189	30/11/12	11339	11341	27/02/14	11486	11486
12/01/11	11190	11190	12/09/12	11341	11343	27/01/14	11487	11487
25/01/11	11192	11186	15/10/12	11343	11345	17/01/14	11485	11485
07/02/11	11191	11191	17/09/12	11346	11347	31/01/14	11489	11490
07/02/11	11193	11192	28/09/12	11345	11344	14/01/14	11490	11491
18/02/11	11195	11193	09/10/12	11342	11342	29/01/14	11488	11492
24/02/11	11196	11195	24/09/12	11344	11346	30/01/14	11492	11493
25/02/11	11199	11211	15/10/12	11347	9015	24/01/14	11493	11479
25/02/11	11200	11198	21/09/12	11338	11348	27/02/14	11491	11494
21/02/11	11201	11199	19/10/12	11350	11359	16/06/14	11495	11495
14/02/11	11170	11200	17/10/12	11351	11351	14/02/14	11498	11498

