[4910-13-P]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2016-8851; Directorate Identifier 2016-NM-070-AD; Amendment 39-18831; AD 2017-06-07]

RIN 2120-AA64

Airworthiness Directives; Airbus Airplanes

AGENCY: Federal Aviation Administration (FAA), Department of Transportation (DOT).

ACTION: Final rule.

SUMMARY: We are adopting a new airworthiness directive (AD) for all Airbus Model A330-200 Freighter, -200, and -300 series airplanes; and Airbus Model A340-200, -300, -500, and -600 series airplanes. This AD was prompted by reports that nonconforming aluminum alloy was used to manufacture several structural parts on the inboard flap. This AD requires identification of the potentially affected inboard flap parts, a one-time eddy current inspection to identify which material the parts are made of, and, depending on findings, replacement with serviceable parts. We are issuing this AD to address the unsafe condition on these products.

DATES: This AD is effective [INSERT DATE 35 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

The Director of the Federal Register approved the incorporation by reference of certain publications listed in this AD as of [INSERT DATE 35 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

ADDRESSES: For service information identified in this final rule, contact Airbus SAS, Airworthiness Office – EAL, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex, France; telephone +33 5 61 93 36 96; fax +33 5 61 93 45 80; email airworthiness.A330-A340@airbus.com; Internet http://www.airbus.com. You may view this referenced service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221. It is also available on the Internet at http://www.regulations.gov by searching for and locating Docket No. FAA-2016-8851.

Examining the AD Docket

You may examine the AD docket on the Internet at http://www.regulations.gov by searching for and locating Docket No. FAA-2016-8851; or in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this AD, the regulatory evaluation, any comments received, and other information. The street address for the Docket Office (telephone 800-647-5527) is Docket Management Facility, U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC 20590.

FOR FURTHER INFORMATION CONTACT: Vladimir Ulyanov, Aerospace Engineer, International Branch, ANM-116, Transport Airplane Directorate, FAA, 1601

Lind Avenue SW., Renton, WA 98057-3356; telephone 425-227-1138; fax 425-227-1149.

SUPPLEMENTARY INFORMATION:

Discussion

We issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 by adding an AD that would apply to all Airbus Model A330-200 Freighter, -200, and -300 series airplanes; and Airbus Model A340-500 and -600 series airplanes. The NPRM published in the Federal Register on August 31, 2016 (81 FR 59922) ("the NPRM"). The NPRM was prompted by reports that nonconforming aluminum alloy was used to manufacture several structural parts on the inboard flap. The NPRM proposed to require identification of the potentially affected inboard flap parts, a one-time eddy current inspection to identify which material the parts are made of, and, depending on findings, replacement with serviceable parts. We are issuing this AD to detect and correct structural parts of inboard flaps made of nonconforming aluminum alloy, which could result in reduced structural integrity of the airplane.

The European Aviation Safety Agency (EASA), which is the Technical Agent for the Member States of the European Union, has issued EASA Airworthiness Directive 2016-0231, dated November 22, 2016 ("EASA AD 2016-0231") (referred to after this as the Mandatory Continuing Airworthiness Information, or "the MCAI"), which superseded EASA Airworthiness Directive 2016-0082, dated April 27, 2016 ("EASA AD 2016-0082"), to correct an unsafe condition all Airbus Model A330-200 Freighter, -200,

and -300 series airplanes; and Airbus Model A340-200, -300, -500 and -600 series airplanes. The MCAI states:

> 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.
>
> Consequently, EASA issued AD 2016-0082 to require identification of the potentially affected inboard flap parts, a one-time special detailed inspection (SDI) [eddy current measurement] to identify which material they are made of and, depending on findings, replacement with serviceable parts.
>
> Since EASA AD 2016-0082 was issued, it was confirmed that flaps, initially installed on A340-500 and A340-600 aeroplanes, may also have been installed in service on A340-200 or A340-300 aeroplanes. As this installation was not done during production, no SB was published for these models.
>
> For the reason described above, this [EASA] AD retains the requirements of EASA AD 2016-0082 [which corresponded to the FAA NPRM], which is superseded, expands the Applicability to include A340-200 and A340-300 aeroplanes, corrects a typographical error in Appendix 1 of this [EASA] AD for one affected flap, Right Hand (RH) serial number (s/n) "TB 11411" in place of "TB 14411" (date of first operation: 19/04/13) and identified in bold in Appendix 1, and adds the prefix "TB" to the s/n's of all Left Hand (LH) and RH flaps, which was inadvertently omitted in Appendix 1 of [EASA] AD 2016-0082. This [EASA] AD also allows, under certain

conditions, installation of an affected inboard flap on an aeroplane.

Airbus Model A340-200 and -300 series airplanes have been added to the applicability of this AD. Since there are currently no domestic operators of these added airplanes, notice and opportunity for public comment before issuing this AD are unnecessary.

You may examine the MCAI in the AD docket on the Internet at http://www.regulations.gov by searching for and locating Docket No. FAA-2016-8851.

Comments

We gave the public the opportunity to participate in developing this AD. The following presents the comments received on the NPRM and the FAA's response to each comment.

Request to Account for a Superseding EASA Airworthiness Directive

Airbus commented that EASA was planning to supersede EASA AD 2016-0082 with EASA AD 2016-0231, which would update the AD applicability, correct a certain part serial number, and add the prefix "TB" to the serial numbers of all flaps. (These changes are described in the MCAI.)

We agree with the commenter and have revised this AD to update the applicability, correct a serial number for a right-hand flap (from TB14411 to TB11411), and add the prefix "TB" before each flap serial number.

Requests to Extend Compliance Time for Part Replacement

Airbus and American Airlines requested that the requirement to replace an affected part within 30 days after performing the eddy current inspection be changed to

allow a longer compliance time. Paragraph (i) of the proposed AD states that if a part requires replacement due to a nonconforming material finding per paragraph (h) of the proposed AD, the part must be replaced within 30 days after the finding in accordance with a method approved by the FAA, EASA, or Airbus's EASA Design Organization Approval (DOA). EASA AD 2016-0082, paragraph (3), states, for the same nonconforming material finding, to contact Airbus within 30 days of the finding for approved replacement instructions, and within the compliance time(s) specified in those instructions to replace the nonconforming parts accordingly. The commenters stated that this allows more flexibility for replacement actions.

We agree that additional time can be allowed for replacement of affected parts if approved by the Manager, International Branch, ANM–116, Transport Airplane Directorate, FAA; or the European Aviation Safety Agency (EASA); or Airbus's EASA Design Organization Approval (DOA). We have revised paragraph (i) of this AD accordingly. This provision corresponds to EASA AD 2016-0231, which superseded EASA AD 2016-0082.

Removal of Note from Regulatory Text

We have removed Note 2 to paragraph (h) of the proposed AD, and added text to paragraph (h) of this AD to clarify that the date of the first operation of the flap is specified in figure 1 to paragraphs (g), (j)(1), and (j)(2) of this AD.

Conclusion

We reviewed the relevant data, considered the comments received, and determined that air safety and the public interest require adopting this AD with the

changes described previously and minor editorial changes. We have determined that these minor changes:

- Are consistent with the intent that was proposed in the NPRM for correcting the unsafe condition; and
- Do not add any additional burden upon the public than was already proposed in the NPRM.

We also determined that these changes will not increase the economic burden on any operator or increase the scope of this AD.

Related Service Information under 1 CFR part 51

We reviewed Airbus Service Bulletin A330-57-3120, dated September 18, 2015; and Airbus Service Bulletin A340-57-5036, dated September 18, 2015. The service information describes procedures for inspecting inboard flaps using eddy current inspection methods to determine the materials used. These documents are distinct since they apply to different airplane models. This service information is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the ADDRESSES section.

Costs of Compliance

We estimate that this AD affects 31 airplanes of U.S. registry.

We estimate the following costs to comply with this AD:

Estimated costs

Action	Labor cost	Parts cost	Cost per product	Cost on U.S. operators
Inspection	5 work-hours X $85 per hour = $425	$0	$425	$13,175

We estimate the following costs to do any necessary replacements that would be required based on the results of the required inspection. We have no way of determining the number of aircraft that might need these replacements:

On-condition costs

Action	Labor cost	Parts cost	Cost per product
Remove and Replace Flap	60 work-hours X $85 per hour = $5,100	Unavailable	$5,100

According to the manufacturer, some of the costs of this AD may be covered under warranty, thereby reducing the cost impact on affected individuals. We do not control warranty coverage for affected individuals. The cost of purchasing a flap spare is not available. As a result, we have included only labor costs in our cost estimate.

Authority for this Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. "Subtitle VII: Aviation Programs," describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in "Subtitle VII, Part A, Subpart III, Section 44701: General requirements." Under that section, Congress

charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

Regulatory Findings

We determined that this AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that this AD:

1. Is not a "significant regulatory action" under Executive Order 12866;

2. Is not a "significant rule" under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979);

3. Will not affect intrastate aviation in Alaska; and

4. Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

Adoption of the Amendment

Accordingly, under the authority delegated to me by the Administrator, the FAA amends 14 CFR part 39 as follows:

PART 39 - AIRWORTHINESS DIRECTIVES

1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

§ 39.13 [Amended]

2. The FAA amends § 39.13 by adding the following new airworthiness directive (AD):

2017-06-07 Airbus: Amendment 39-18831; Docket No. FAA-2016-8851; Directorate Identifier 2016-NM-070-AD.

(a) Effective Date

This AD is effective [INSERT DATE 35 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

(b) Affected ADs

None.

(c) Applicability

This AD applies to Airbus Model A330-223F and -243F airplanes; A330-201, -202, -203, -223, and -243 airplanes; A330-301, -302, -303, -321, -322, -323, -341, -342, and -343 airplanes; A340-211, -212, and -213 airplanes; A340-311, -312, and -313 airplanes; A340-541 airplanes; and A340-642 airplanes; certificated in any category, all manufacturer serial numbers.

(d) Subject

Air Transport Association (ATA) of America Code 57, Wings.

(e) Reason

This AD was prompted by reports that nonconforming aluminum alloy was used to manufacture several structural parts on the inboard flap. We are issuing this AD to detect and correct structural parts of inboard flaps made of nonconforming aluminum alloy, which could result in reduced structural integrity of the airplane.

(f) Compliance

Comply with this AD within the compliance times specified, unless already done.

(g) Inboard Flap Serial Number Identification

Within 24 months after the effective date of this AD: Inspect each left-hand (LH) and right-hand (RH) inboard flap, in accordance with the Accomplishment Instructions of Airbus Service Bulletin A330-57-3120, dated September 18, 2015; or Airbus Service Bulletin A340-57-5036, dated September 18, 2015; as applicable; to identify the serial number. A review of airplane delivery and maintenance records is acceptable in lieu of inspecting the inboard flaps, provided those records can be relied upon for that purpose and the serial number of the affected parts can be conclusively identified from that review. The serial numbers of affected inboard flaps are identified in figure 1 to paragraphs (g), (j)(1), and (j)(2) of this AD.

Note 1 to paragraphs (g) and (h) of this AD: Airbus Service Bulletin A330-57-3120, dated September 18, 2015; and Airbus Service Bulletin A340-57-5036, dated September 18, 2015; list the serial numbers of potentially affected LH and RH inboard flaps and the corresponding airplane serial number on which these parts were installed during production. The airplane serial number list is for information only, as it

cannot be excluded that a potentially affected inboard flap has been removed from an airplane and later re-installed on another airplane.

Figure 1 to paragraphs (g), (j)(1), and (j)(2) of this AD –
Affected flap serial numbers (s/n)

Date of first operation (dd/mm/yy)	**LH s/n**	**RH s/n**	**Date of first operation** (dd/mm/yy)	**LH s/n**	**RH s/n**	**Date of first operation** (dd/mm/yy)	**LH s/n**	**RH s/n**
29/09/10	TB 11004	TB 11004	28/02/11	TB 11202	TB 11201	19/12/12	TB 11349	TB 11349
21/07/09	TB 11030	TB 11028	22/02/11	TB 11198	TB 11202	17/12/12	TB 11352	TB 11352
17/08/09	TB 11034	TB 11002	07/03/11	TB 11203	TB 11203	15/11/12	TB 11353	TB 11353
21/05/10	TB 11031	TB 11031	30/03/11	TB 11204	TB 11204	30/10/12	TB 11354	TB 11354
09/08/10	TB 11071	TB 11071	31/05/11	TB 11205	TB 11229	22/10/12	TB 11355	TB 11355
10/07/09	TB 11033	TB 11057	15/03/11	TB 11206	TB 11206	31/10/12	TB 11383	TB 11357
06/08/10	TB 11036	TB 11098	24/03/11	TB 11208	TB 11208	30/10/12	TB 11380	TB 11356
29/07/09	TB 11035	TB 11035	04/04/11	TB 11209	TB 11209	26/11/12	TB 11359	TB 11393
19/08/09	TB 11057	TB 11036	22/03/11	TB 11210	TB 11210	30/11/12	TB 11361	TB 11361
23/12/09	TB 11037	TB 11033	23/03/11	TB 11211	TB 11213	16/11/12	TB 11358	TB 11358
14/09/09	TB 11038	TB 11038	24/03/11	TB 11212	TB 11212	30/11/12	TB 11325	TB 11360
17/09/10	TB 11042	TB 11039	14/04/11	TB 11213	TB 11214	12/12/12	TB 11399	TB 11365
23/09/09	TB 11040	TB 11040	14/04/11	TB 11229	TB 11215	26/11/12	TB 11362	TB 11362
11/09/09	TB 11041	TB 11041	11/04/11	TB 11215	TB 11217	09/11/12	TB 11363	TB 11363
12/05/10	TB 11046	TB 11042	06/04/11	TB 11216	TB 11216	30/11/12	TB 11364	TB 11364
01/10/09	TB 11043	TB 11043	12/04/11	TB 11217	TB 11219	23/11/12	TB 11365	TB 11368
01/10/09	TB 11044	TB 11044	15/04/11	TB 11218	TB 11218	07/12/12	TB 11366	TB 11366
08/09/09	TB 11047	TB 11045	04/05/11	TB 11219	TB 11221	06/12/12	TB 11367	TB 11367

Date of first operation (dd/mm/yy)	**LH s/n**	**RH s/n**	**Date of first operation** (dd/mm/yy)	**LH s/n**	**RH s/n**	**Date of first operation** (dd/mm/yy)	**LH s/n**	**RH s/n**
07/09/09	TB 11049	TB 11046	29/04/11	TB 11220	TB 11220	19/12/12	TB 11368	TB 11370
18/09/09	TB 1970	TB 11047	11/05/11	TB 11238	TB 11222	11/12/12	TB 11369	TB 11369
30/09/09	TB 11048	TB 11048	13/05/11	TB 11222	TB 11223	21/12/12	TB 11370	TB 11372
26/10/09	TB 11055	TB 11049	06/05/11	TB 11223	TB 11224	13/12/12	TB 11372	TB 11375
03/09/10	TB 11051	TB 11051	19/05/11	TB 11224	TB 11225	20/12/12	TB 11373	TB 11373
30/10/09	TB 11054	TB 11054	19/05/11	TB 11225	TB 11205	21/12/12	TB 11374	TB 11374
19/11/09	TB 11053	TB 11053	29/06/11	TB 11226	TB 11226	16/01/13	TB 11375	TB 11377
28/10/10	TB 11008	TB 11019	25/05/11	TB 11227	TB 11227	11/01/13	TB 11376	TB 11376
27/10/09	TB 11015	TB 11055	16/05/11	TB 11228	TB 11228	15/01/13	TB 11377	TB 11350
28/10/09	TB 11059	TB 11059	10/06/11	TB 11092	TB 11092	05/02/13	TB 11378	TB 11381
29/10/09	TB 11060	TB 11060	23/11/11	TB 11231	TB 11231	25/01/13	TB 11379	TB 11379
16/11/10	TB 11063	TB 11063	08/07/11	TB 11232	TB 11232	18/01/13	TB 11382	TB 11380
23/12/09	TB 11061	TB 11061	23/06/11	TB 11234	TB 11234	22/03/13	TB 11381	TB 11382
23/11/09	TB 11066	TB 11066	22/06/11	TB 11233	TB 11233	27/02/13	TB 11371	TB 11371
03/11/10	TB 11070	TB 11070	24/06/11	TB 11237	TB 11237	08/03/13	TB 11385	TB 11383
30/11/09	TB 11065	TB 11065	15/06/11	TB 11235	TB 11235	06/02/13	TB 11384	TB 11384
30/11/09	TB 11032	TB 11032	01/07/11	TB 11236	TB 11236	05/02/13	TB 11386	TB 11385
18/11/09	TB 11067	TB 11067	12/07/11	TB 11239	TB 11239	19/02/13	TB 11406	TB 11389
17/12/09	TB 11072	TB 11072	25/11/11	TB 11115	TB 11115	16/03/13	TB 11387	TB 11387
24/11/09	TB 11074	TB 11074	29/07/11	TB 11240	TB 11240	25/02/13	TB 11388	TB 11388
17/09/10	TB 11147	TB 11147	06/10/11	TB 11243	TB 11243	15/02/13	TB 11390	TB 11390

Date of first operation (dd/mm/yy)	**LH s/n**	**RH s/n**	**Date of first operation** (dd/mm/yy)	**LH s/n**	**RH s/n**	**Date of first operation** (dd/mm/yy)	**LH s/n**	**RH s/n**
23/12/09	TB 11095	TB 11095	29/07/11	TB 11244	TB 11241	25/02/13	TB 11392	TB 11392
10/12/09	TB 11075	TB 11075	03/08/11	TB 11245	TB 11245	01/03/13	TB 11391	TB 11403
07/12/09	TB 11076	TB 11076	29/08/11	TB 11246	TB 11244	01/03/13	TB 11394	TB 11394
23/12/09	TB 11077	TB 11077	22/08/11	TB 11247	TB 11247	11/03/13	TB 11393	TB 11395
22/12/09	TB 11069	TB 11069	20/12/11	TB 11248	TB 11246	08/03/13	TB 11397	TB 11397
07/12/09	TB 11079	TB 11079	30/08/11	TB 11249	TB 11249	14/03/13	TB 11395	TB 11399
19/01/10	TB 11078	TB 11078	25/08/11	TB 11136	TB 11248	18/03/13	TB 11396	TB 11396
11/02/10	TB 11081	TB 11081	06/09/11	TB 11250	TB 11250	18/03/13	TB 11356	TB 11400
26/03/10	TB 11080	TB 11080	27/09/11	TB 11252	TB 11254	28/03/13	TB 11398	TB 11398
28/01/10	TB 11082	TB 11082	28/09/11	TB 11221	TB 11251	22/03/13	TB 11401	TB 11401
28/01/10	TB 11084	TB 11084	15/09/11	TB 11214	TB 11255	09/04/13	TB 11400	TB 11402
04/02/10	TB 11098	TB 11030	20/10/11	TB 11266	TB 11256	21/03/13	TB 11404	TB 11404
29/01/10	TB 11085	TB 11085	19/12/11	TB 11258	TB 11258	09/04/13	TB 11402	TB 11405
05/02/10	TB 11039	TB 11037	19/10/11	TB 11255	TB 11259	26/04/13	TB 11403	TB 11407
29/03/10	TB 11086	TB 11086	10/11/11	TB 11259	TB 11260	15/04/13	TB 11360	TB 11406
09/03/10	TB 11087	TB 11087	05/10/11	TB 11261	TB 11261	11/04/13	TB 11407	TB 11408
15/04/10	TB 11088	TB 11088	17/10/11	TB 11260	TB 11263	19/04/13	TB 11409	TB 11409
16/04/10	TB 11089	TB 11089	10/11/11	TB 11254	TB 11252	24/04/13	TB 11410	TB 11410
29/03/10	TB 11090	TB 11090	17/11/11	TB 11262	TB 11262	19/04/13	TB 11411	TB 11411
11/06/10	TB 11091	TB 11091	16/11/11	TB 11263	TB 11264	22/04/13	TB 11408	TB 11412
22/06/11	TB 11230	TB 11230	16/11/11	TB 11264	TB 11265	26/04/13	TB 11413	TB 11413

Date of first operation (dd/mm/yy)	**LH s/n**	**RH s/n**	**Date of first operation** (dd/mm/yy)	**LH s/n**	**RH s/n**	**Date of first operation** (dd/mm/yy)	**LH s/n**	**RH s/n**
23/03/10	TB 11093	TB 11093	25/11/11	TB 11265	TB 11266	30/04/13	TB 11414	TB 11414
23/02/10	TB 11094	TB11 094	28/11/11	TB 11267	TB 11267	22/04/13	TB 11412	TB 11415
24/03/10	TB 11073	TB 11073	05/12/11	TB 11268	TB 11268	15/07/13	TB 11416	TB 11416
31/03/10	TB 11096	TB 11096	29/11/11	TB 11270	TB 11270	17/05/13	TB 11405	TB 11417
16/03/10	TB 11097	TB 11097	06/12/11	TB 11271	TB 11271	28/05/13	TB 11415	TB 11418
10/03/10	TB 11101	TB 11101	12/12/11	TB 11272	TB 11272	23/05/13	TB 11419	TB 11419
15/03/10	TB 11099	TB 11099	07/12/11	TB 11275	TB 11275	17/05/13	TB 11417	TB 11421
23/03/10	TB 11100	TB 11100	14/12/11	TB 11269	TB 11269	30/05/13	TB 11418	TB 11420
16/06/10	TB 11105	TB 11105	15/12/11	TB 11274	TB 11274	30/05/13	TB 11357	TB 11386
07/12/10	TB 11102	TB 11130	12/12/11	TB 11276	TB 11276	27/05/13	TB 11420	TB 11422
13/04/10	TB 11106	TB 11106	11/01/12	TB 11279	TB 11279	13/06/13	TB 11421	TB 11423
27/04/10	TB 11104	TB 11104	20/01/12	TB 11278	TB 11278	04/06/13	TB 11424	TB 11424
30/04/10	TB 11103	TB 11103	19/01/12	TB 11164	TB 11164	17/06/13	TB 11426	TB 11378
07/04/10	TB 11108	TB 11108	12/01/12	TB 11277	TB 11277	10/06/13	TB 11423	TB 11427
16/04/10	TB 11133	TB 11133	19/01/12	TB 11280	TB 11281	27/06/13	TB 11428	TB 11428
10/05/10	TB 11114	TB 11114	23/01/12	TB 11298	TB 11282	20/06/13	TB 11425	TB 11425
10/05/10	TB 11110	TB 11110	17/01/12	TB 11282	TB 11284	27/06/13	TB 11429	TB 11426
06/05/10	TB 11116	TB 11116	30/01/12	TB 11283	TB 11283	21/06/13	TB 11427	TB 11429
27/05/10	TB 11112	TB 11112	01/02/12	TB 11284	TB 11285	01/07/13	TB 11434	TB 11434
13/07/11	TB 11241	TB 11238	24/02/12	TB 11286	TB 11286	01/07/13	TB 11432	TB 11432
11/05/10	TB 11111	TB 11034	17/02/12	TB 11285	TB 11287	23/07/13	TB 11430	TB 11430

Date of first operation (dd/mm/yy)	**LH s/n**	**RH s/n**	**Date of first operation** (dd/mm/yy)	**LH s/n**	**RH s/n**	**Date of first operation** (dd/mm/yy)	**LH s/n**	**RH s/n**
17/06/10	TB 11118	TB 11118	29/02/12	TB 11287	TB 11289	31/07/13	TB 11431	TB 11431
09/06/10	TB 11120	TB 11120	22/02/12	TB 11288	TB 11288	19/07/13	TB 11436	TB 11436
16/07/10	TB 11122	TB 11122	23/02/12	TB 11289	TB 11291	12/07/13	TB 11433	TB 11433
06/07/10	TB 11123	TB 11123	24/02/12	TB 11290	TB 11290	01/08/13	TB 11437	TB 11437
21/05/10	TB 11124	TB 11124	21/02/12	TB 11291	TB 11293	15/07/13	TB 11435	TB 11435
12/07/10	TB 11126	TB 11126	04/04/12	TB 11292	TB 11292	19/07/13	TB 11438	TB 11316
28/06/10	TB 11127	TB 11127	05/04/12	TB 11293	TB 11294	13/11/13	TB 11440	TB 11438
18/06/10	TB 11129	TB 11129	20/03/12	TB 11294	TB 11296	06/08/13	TB 11441	TB 11441
22/06/10	TB 11130	TB 11102	09/03/12	TB 11295	TB 11295	02/08/13	TB 11439	TB 11439
24/09/10	TB 11135	TB 11135	30/03/12	TB 11296	TB 11298	05/08/13	TB 11442	TB 11440
25/06/10	TB 11132	TB 11132	29/03/12	TB 11297	TB 11297	09/08/13	TB 11443	TB 11391
26/07/10	TB E11006	TB 11111	16/03/12	TB 11299	TB 11175	27/08/13	TB 11446	TB 11442
23/07/10	TB 11138	TB 11138	29/03/12	TB 11300	TB 11300	19/08/13	TB 11447	TB 11443
14/09/11	TB 11251	TB 11136	18/04/12	TB 11281	TB 11301	04/09/13	TB 11444	TB 11444
15/07/10	TB 11062	TB 11062	12/04/12	TB 11302	TB 11180	03/09/13	TB 11445	TB 11445
23/07/10	TB 11141	TB 11141	26/04/12	TB 11301	TB 11303	25/09/13	TB 11449	TB 11446
23/08/10	TB 11145	TB 11145	20/04/12	TB 11303	TB 11306	13/09/13	TB 11450	TB 11447
27/08/10	TB 11117	TB 11117	24/04/12	TB 11304	TB 11307	29/10/13	TB 11448	TB 11448
13/08/10	TB 11146	TB 11146	27/04/12	TB 11305	TB 11305	26/09/13	TB 11453	TB 11449
13/09/10	TB 11149	TB 11149	25/04/12	TB 11306	TB 11308	02/12/13	TB 11454	TB 11450
27/09/10	TB 11150	TB 11150	26/04/12	TB 11307	TB 11196	25/09/13	TB 11451	TB 11451

Date of first operation (dd/mm/yy)	**LH s/n**	**RH s/n**	**Date of first operation** (dd/mm/yy)	**LH s/n**	**RH s/n**	**Date of first operation** (dd/mm/yy)	**LH s/n**	**RH s/n**
14/11/11	TB 11148	TB 11148	14/05/12	TB 11308	TB 11310	25/09/13	TB 11472	TB 11464
17/09/10	TB 11151	TB 11151	10/05/12	TB 11310	TB 11312	27/09/13	TB 11457	TB 11453
28/09/10	TB 11107	TB 11107	11/05/12	TB 11312	TB 11317	28/10/13	TB 11458	TB 11454
27/09/10	TB 11159	TB 11159	09/05/12	TB 11309	TB 11299	22/10/13	TB 11456	TB 11455
25/10/10	TB 11153	TB 11153	25/05/12	TB 11311	TB 11311	11/10/13	TB 11455	TB 11456
29/09/10	TB 11155	TB 11155	29/05/12	TB 11313	TB 11313	25/10/13	TB 11459	TB 11459
08/10/10	TB 11156	TB 11156	31/05/12	TB 11314	TB 11314	20/11/13	TB 11460	TB 11458
13/10/10	TB 11157	TB 11157	28/06/12	TB 11317	TB 11315	17/10/13	TB 11461	TB 11461
15/10/10	TB 11168	TB 11168	15/06/12	TB 11316	TB 11336	21/10/13	TB 11462	TB 11460
13/10/10	TB 11186	TB 11160	15/06/12	TB 11318	TB 11318	23/10/13	TB 11463	TB 11463
22/10/10	TB 11161	TB 11161	31/05/12	TB 11319	TB 11319	05/11/13	TB 11465	TB 11462
22/10/10	TB 11163	TB 11163	18/06/12	TB 11320	TB 11320	04/11/13	TB 11466	TB 11466
25/01/12	TB 11256	TB 11280	22/06/12	TB 11321	TB 11321	13/11/13	TB 11452	TB 11473
22/11/10	TB 11165	TB 11165	19/07/12	TB 11322	TB 11322	04/11/13	TB 11389	TB 11465
10/11/10	TB 11167	TB 11167	29/06/12	TB 11323	TB 11323	22/11/13	TB 11468	TB 11457
02/12/10	TB 1960	TB 1960	11/07/12	TB 11324	TB 11324	27/11/13	TB 11467	TB 11467
15/11/10	TB 11169	TB 11169	26/06/12	TB 11348	TB 11325	11/12/13	TB 11470	TB 11468
30/11/10	TB 11178	TB 11170	09/07/12	TB 11326	TB 11326	18/11/13	TB 11469	TB 11469
10/11/10	TB 11171	TB 11171	03/07/12	TB 11327	TB 11327	02/12/13	TB 11474	TB 11470
30/11/10	TB 11183	TB 11172	12/07/12	TB 11328	TB 11328	02/12/13	TB 11471	TB 11471
26/11/10	TB 11173	TB 11173	16/07/12	TB 11329	TB 11329	30/12/13	TB 11503	TB 11488

Date of first operation (dd/mm/yy)	**LH s/n**	**RH s/n**	**Date of first operation** (dd/mm/yy)	**LH s/n**	**RH s/n**	**Date of first operation** (dd/mm/yy)	**LH s/n**	**RH s/n**
14/12/10	TB 11174	TB 11174	24/08/12	TB 11330	TB 11330	16/12/13	TB 11476	TB 11474
15/06/12	TB 11175	TB 11302	13/07/12	TB 11331	TB 11331	16/12/13	TB 11477	TB 11477
19/11/10	TB 11177	TB 11177	23/07/12	TB 11332	TB 11332	06/12/13	TB 11475	TB 11475
23/12/10	TB 11172	TB 11178	29/08/12	TB 11333	TB 11333	03/12/13	TB 11479	TB 11476
11/04/12	TB 11315	TB 11304	10/08/12	TB 11334	TB 11334	09/12/13	TB 11480	TB 11480
16/12/10	TB 11181	TB 11181	23/07/12	TB 11335	TB 11335	09/12/13	TB 11478	TB 11489
15/12/10	TB 11184	TB 11183	30/08/12	TB 11337	TB 11337	09/12/13	TB 11481	TB 11481
15/12/10	TB 11187	TB 11184	30/07/12	TB 11336	TB 11309	17/12/13	TB 11482	TB 11482
14/01/11	TB 11188	TB 11188	31/08/12	TB 11180	TB 11339	09/01/14	TB 11483	TB 11483
25/01/11	TB 11189	TB 11187	18/09/12	TB 11340	TB 11340	21/01/14	TB 11484	TB 11484
21/01/11	TB 11160	TB 11189	30/11/12	TB 11339	TB 11341	27/02/14	TB 11486	TB 11486
12/01/11	TB 11190	TB 11190	12/09/12	TB 11341	TB 11343	27/01/14	TB 11487	TB 11487
25/01/11	TB 11192	TB 11186	15/10/12	TB 11343	TB 11345	17/01/14	TB 11485	TB 11485
07/02/11	TB 11191	TB 11191	17/09/12	TB 11346	TB 11347	31/01/14	TB 11489	TB 11490
07/02/11	TB 11193	TB 11192	28/09/12	TB 11345	TB 11344	14/01/14	TB 11490	TB 11491
18/02/11	TB 11195	TB 11193	09/10/12	TB 11342	TB 11342	29/01/14	TB 11488	TB 11492
24/02/11	TB 11196	TB 11195	24/09/12	TB 11344	TB 11346	30/01/14	TB 11492	TB 11493
25/02/11	TB 11199	TB 11211	15/10/12	TB 11347	TB 9015	24/01/14	TB 11493	TB 11479
25/02/11	TB 11200	TB 11198	21/09/12	TB 11338	TB 11348	27/02/14	TB 11491	TB 11494
21/02/11	TB 11201	TB 11199	19/10/12	TB 11350	TB 11359	16/06/14	TB 11495	TB 11495
14/02/11	TB 11170	TB 11200	17/10/12	TB 11351	TB 11351	14/02/14	TB 11498	TB 11498

(h) Eddy Current Conductivity Measurement

For each affected inboard flap: Within 6 years after the effective date of this AD, or within 12 years after the date of the flap first operation, as specified in figure 1 to paragraphs (g), (j)(1), and (j)(2) of this AD, whichever occurs first, accomplish an eddy current conductivity measurement, in accordance with the Accomplishment Instructions of Airbus Service Bulletin A330-57-3120, dated September 18, 2015; or Airbus Service Bulletin A340-57-5036, dated September 18, 2015; as applicable.

(i) Replacement

If a part manufactured from nonconforming material is detected during the eddy current inspection required by paragraph (h) of this AD: Within 30 days after doing the eddy current inspection, obtain replacement instructions approved by the Manager, International Branch, ANM–116, Transport Airplane Directorate, FAA; or the European Aviation Safety Agency (EASA); or Airbus's EASA Design Organization Approval (DOA); and, within the compliance time specified in those instructions, accomplish the replacement accordingly.

(j) Parts Installation Limitation

As of the effective date of this AD, an inboard flap may be installed on any airplane, provided the part is a serviceable part. A serviceable part is:

(1) A part that is not listed by serial number in figure 1 to paragraphs (g), (j)(1), and (j)(2) of this AD; or

(2) A part that has a serial number listed in figure 1 to paragraphs (g), (j)(1), and (j)(2) of this AD, and has passed an eddy current conductivity measurement within the

compliance time specified in this AD, in accordance with the Accomplishment Instructions of Airbus Service Bulletin A330-57-3120, dated September 18, 2015; or Airbus Service Bulletin A340-57-5036, dated September 18, 2015; as applicable.

(k) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, International Branch, ANM-116, Transport Airplane Directorate, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Branch, send it to ATTN: Vladimir Ulyanov, Aerospace Engineer, International Branch, ANM-116, Transport Airplane Directorate, FAA, 1601 Lind Avenue SW., Renton, WA 98057-3356; telephone 425-227-1138; fax 425-227-1149. Information may be emailed to: 9-ANM-116-AMOC-REQUESTS@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office. The AMOC approval letter must specifically reference this AD.

(2) Contacting the Manufacturer: For any requirement in this AD to obtain corrective actions from a manufacturer, the action must be accomplished using a method approved by the Manager, International Branch, ANM-116, Transport Airplane Directorate, FAA; or the European Aviation Safety Agency (EASA); or Airbus's EASA DOA. If approved by the DOA, the approval must include the DOA-authorized signature.

(3) Required for Compliance (RC): If any service information contains procedures or tests that are identified as RC, those procedures and tests must be done to comply with this AD; any procedures or tests that are not identified as RC are recommended. Those procedures and tests that are not identified as RC may be deviated from using accepted methods in accordance with the operator's maintenance or inspection program without obtaining approval of an AMOC, provided the procedures and tests identified as RC can be done and the airplane can be put back in an airworthy condition. Any substitutions or changes to procedures or tests identified as RC require approval of an AMOC.

(l) Related Information

Refer to Mandatory Continuing Airworthiness Information (MCAI) EASA Airworthiness Directive 2016-0231, dated November 22, 2016, for related information. This MCAI may be found in the AD docket on the Internet at http://www.regulations.gov by searching for and locating Docket No. FAA-2016-8851.

(m) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(i) Airbus Service Bulletin A330-57-3120, dated September 18, 2015.

(ii) Airbus Service Bulletin A340-57-5036, dated September 18, 2015.

(3) For service information identified in this AD, contact Airbus SAS, Airworthiness Office – EAL, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex, France; telephone +33 5 61 93 36 96; fax +33 5 61 93 45 80; email airworthiness.A330-A340@airbus.com; Internet http://www.airbus.com.

(4) You may view this service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

(5) You may view this service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal-register/cfr/ibr-locations.html.

Issued in Renton, Washington, on March 10, 2017.

Michael Kaszycki,
Acting Manager,
Transport Airplane Directorate,
Aircraft Certification Service.

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