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| <b>EASA</b>  | <b>AIRWORTHINESS DIRECTIVE</b>  |
|   | <p><b>AD No.: 2015-0004</b></p> <p><b>Date: 13 January 2015</b></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 EU 748/2012, Part 21.A.3B. In accordance with 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 [EU 1321/2014 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><b>Design Approval Holder's Name:</b><br/>AIRBUS</p>  | <p><b>Type/Model designation(s):</b><br/>A319, A320 and A321 aeroplanes</p>   |
| TCDS Number:   | EASA.A.064  |
| Foreign AD:  | Not applicable  |
| Supersedure:   | None  |
| <b>ATA 71</b>  | <b>Power Plant – Forward Engine Mount Pin – Identification / Replacement</b>  |
| Manufacturer(s):   | Airbus (formerly Airbus Industrie)  |
| Applicability:   | A319-131, A319-132, A319-133, A320-232, A320-233, A321-131, A321-231 and A321-232 aeroplanes, all manufacturer serial numbers (MSN).  |
| Reason:  | <p>A number of forward engine mount pins, Part Number (P/N) 740-2022-501, intended for IAE V2500 series engines, have been reported as non-compliant with the current certification requirements, due to a quality issue during manufacturing of the raw material. It was also determined that a batch of 88 affected pins are installed on in-service aeroplanes fitted with forward engine mount P/N 745-2010-503 and the serial numbers (s/n) of the affected pins and the MSN of the related aeroplanes have been identified.</p> <p>This condition, if not corrected, could lead to forward engine mount pin failure, possibly resulting in in-flight loss of an engine and consequent reduced control of the aeroplane.</p> <p>For the reasons described above, this AD requires identification of the affected forward engine mount pins and removal from service of those pins.</p> |
| Effective Date:  | 27 January 2015   |

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| <p>Required Action(s) and Compliance Time(s):</p> | <p>Required as indicated, unless accomplished previously:</p> <p>(1) Within 24 months, or at the next engine removal, or within 7 500 flight hours or 5 000 flight cycles, whichever occurs first after the effective date of this AD, accomplish the actions specified in paragraphs (1.1) and (1.2) of this AD in accordance with the instructions of Airbus Service Bulletin (SB) A320-71-1064, or in accordance with the instructions of Goodrich Aerostructures SB V2500-NAC-71-0323.</p> <p>(1.1) Inspect each P/N 745-2010-503 forward engine mount to identify the s/n of the P/N 740-2022-501 attachment pins. If any P/N and/or s/n cannot be identified, contact Airbus for identification advice.</p> <p>(1.2) Replace each forward engine mount pin P/N 740-2022-501 having a s/n as listed in Appendix 1 of this AD with a serviceable part.</p> <p>A review of aeroplane maintenance records is acceptable to make the identification, in lieu of the inspection as required by paragraph (1.1) of this AD, provided those records can be relied upon for the purpose of this requirement.</p> <p>(2) An aeroplane not listed by MSN in Appendix 1 of this AD is not affected by the requirements of paragraph (1) of this AD, unless an engine has been replaced on that aeroplane since 01 March 2011 (date of manufacture of the first aeroplane with affected engine mounts).</p> <p>(3) For an aeroplane listed by MSN in Appendix 1 of this AD and on which a corresponding forward engine mount P/N 745-2010-503, as identified by s/n in Appendix 1 of this AD, has been removed since delivery, within the compliance time of paragraph (1) of this AD, determine the current location of the removed forward engine mount and associated attachment pin, which can be done by checking of the maintenance records, and perform the actions as specified in paragraphs (1.1) and (1.2) of this AD.</p> <p>(4) From the effective date of this AD, it is allowed to install on any aeroplane a forward engine mount, provided it is verified that the forward engine mount does not have an engine mount pin P/N 740-2022-501 installed having a s/n as listed in Appendix 1 of this AD.</p> |
| <p>Ref. Publications:</p>                         | <p>Airbus SB A320-71-1064 original issue dated 05 November 2014.</p> <p>Goodrich Aerostructures SB V2500-NAC-71-0323 original issue dated 18 September 2014.</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p>   |
| <p>Remarks:</p>                                   | <ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</li> <li>2. This AD was posted on 04 December 2014 as PAD 14-170 for consultation until 01 January 2015. The Comment Response Document can be found at <a href="http://ad.easa.europa.eu">http://ad.easa.europa.eu</a>.</li> <li>3. Enquiries regarding this AD should be referred to the Safety Information Section, Certification Directorate, EASA. E-mail: <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a>.</li> <li>4. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS – Airworthiness Office – EIAS; Fax +33 5 61 93 44 51; E-mail: <a href="mailto:account.airworth-eas@airbus.com">account.airworth-eas@airbus.com</a>.</li> </ol>  |

## Appendix 1 – Affected Forward Engine Mounts and Attachment Pins

| MSN  | Serial number                    |  |
|------|----------------------------------|--|
|      | Attach Pin<br>(P/N 740-2022-501) | FWD Engine Mount<br>(P/N 745-2010-503) |
| 4593 | 1396SC                           | 13665001                               |
| 4602 | 1391SC                           | 13655001                               |
|      | 1412SC                           | 13689001                               |
| 4620 | 1402SC                           | 13669001                               |
|      | 1409SC                           | 13683001                               |
| 4637 | 1416SC                           | 13697001                               |
|      | 1418SC                           | 13701001                               |
| 4638 | 1417SC                           | 13699001                               |
| 4642 | 1414SC                           | 13693001                               |
| 4643 | 1415SC                           | 13695001                               |
|      | 1420SC                           | 13705001                               |
| 4644 | 1421SC                           | 13707001                               |
|      | 1422SC                           | 13709001                               |
| 4660 | 1436SC                           | 13737001                               |
|      | 1438SC                           | 13741001                               |
| 4677 | 1452SC                           | 13769001                               |
|      | 1456SC                           | 13777001                               |
| 4690 | 1397SC                           | 13667001                               |
|      | 1432SC                           | 13729001                               |
| 4696 | 1405SC                           | 13675001                               |
|      | 1411SC                           | 13687001                               |
| 4700 | 1389SC                           | 13651001                               |
|      | 1392SC                           | 13657001                               |
| 4701 | 1382SC                           | 13637001                               |
|      | 1384SC                           | 13641001                               |
| 4703 | 1407SC                           | 13679001                               |
|      | 1408SC                           | 13681001                               |
| 4706 | 1395SC                           | 13663001                               |
|      | 1406SC                           | 13677001                               |
| 4707 | 1383SC                           | 13639001                               |
|      | 1404SC                           | 13673001                               |
| 4710 | 1393SC                           | 13659001                               |
|      | 1413SC                           | 13691001                               |
| 4716 | 1386SC                           | 13645001                               |
|      | 1388SC                           | 13649001                               |
| 4719 | 1390SC                           | 13653001                               |
|      | 1410SC                           | 13685001                               |
| 4725 | 1423SC                           | 13711001                               |
|      | 1424SC                           | 13713001                               |
| 4726 | 1403SC                           | 13671001                               |
|      | 1419SC                           | 13703001                               |
| 4731 | 1385SC                           | 13643001                               |
|      | 1387SC                           | 13647001                               |
| 4736 | 1431SC                           | 13727001                               |
|      | 1433SC                           | 13731001                               |

| MSN  | Serial number                    |  |
|------|----------------------------------|--|
|      | Attach Pin<br>(P/N 740-2022-501) | FWD Engine Mount<br>(P/N 745-2010-503) |
| 4737 | 1425SC                           | 13715001                               |
|      | 1428SC                           | 13721001                               |
| 4741 | 1429SC                           | 13723001                               |
|      | 1430SC                           | 13725001                               |
| 4746 | 1427SC                           | 13719001                               |
|      | 1434SC                           | 13733001                               |
| 4751 | 1442SC                           | 13749001                               |
| 4752 | 1394SC                           | 13661001                               |
|      | 1441SC                           | 13747001                               |
| 4753 | 1426SC                           | 13717001                               |
| 4754 | 1437SC                           | 13739001                               |
| 4755 | 1439SC                           | 13743001                               |
|      | 1443SC                           | 13751001                               |
| 4757 | 1448SC                           | 13761001                               |
| 4761 | 1435SC                           | 13735001                               |
|      | 1440SC                           | 13745001                               |
| 4762 | 1454SC                           | 13773001                               |
|      | 1455SC                           | 13775001                               |
| 4772 | 1451SC                           | 13767001                               |
|      | 1453SC                           | 13771001                               |
| 4773 | 1444SC                           | 13753001                               |
|      | 1450SC                           | 13765001                               |
| 4774 | 1461SC                           | 13787001                               |
|      | 1469SC                           | 13817001                               |
| 4775 | 1480SC                           | 13839001                               |
|      | 1481SC                           | 13841001                               |
| 4779 | 1446SC                           | 13757001                               |
|      | 1449SC                           | 13763001                               |
| 4782 | 1467SC                           | 13813001                               |
| 4783 | 1445SC                           | 13755001                               |
|      | 1462SC                           | 13789001                               |
| 4784 | 1464SC                           | 13793001                               |
|      | 1466SC                           | 13811001                               |
| 4786 | 1470SC                           | 13819001                               |
|      | 1459SC                           | 13783001                               |
| 4788 | 1463SC                           | 13791001                               |
|      | 1475SC                           | 13829001                               |
| 4790 | 1458SC                           | 13781001                               |
| 4791 | 1477SC                           | 13833001                               |
| 4798 | 1474SC                           | 13827001                               |
| 4804 | 1478SC                           | 13835001                               |
|      | 1479SC                           | 13837001                               |
| 4813 | 1472SC                           | 13823001                               |