hydraulic pipe under the damaged P-clamp for signs of damage (including bulging and chafing) in accordance with the instructions of Airbus All Operators Telex A340–29A5014, dated October 14, 2008. If the damage exceeds the applicable tolerance specified in paragraph (f)(2)(i) and (f)(2)(ii) of this AD, repair before further flight in accordance with Airbus All Operators Telex A340–29A5014, dated October 14, 2008.

Note 1: Guidance on repairing damage to the hydraulic pipe under the damaged P-clamp as specified in paragraph (f)(2) of this AD is in AMM Task 20–23–11 of the Airbus A340–600 Aircraft Maintenance Manual.

(i) For sharp-bottomed damage: 0.033 mm (0.001 inch) maximum depth.
(ii) For round-bottomed damage: 0.066 mm (0.003 inch) maximum depth.

(3) If any P-clamp or grommet is found missing or damaged during the inspection required by paragraph (f)(1) of this AD, before further flight, replace the P-clamp, in accordance with the instructions of Airbus All Operators Telex A340–29A5014, dated October 14, 2008.

(4) At the applicable time specified in paragraph (f)(4)(i) or (f)(4)(ii) of this AD, perform a detailed inspection to detect damage (including bulging and chafing) of the yellow high pressure hydraulic line from frame 17 to the elbow connection near frame 20, in accordance with the instructions of Airbus All Operators Telex A340–29A5014, dated October 14, 2008. If any damage is detected, before further flight, repair the pipeline in accordance with the instructions of Airbus All Operators Telex A340–29A5014, dated October 14, 2008.

Note 2: Guidance on repairing damage to the hydraulic pipe under the damaged P-clamp as specified in paragraph (f)(2) of this AD is in Task 20–23–11 of the Airbus A340–600 Aircraft Maintenance Manual.

(i) If the airplane has accumulated 1,000 total flight cycles or more as of the effective date of this AD: Within 100 flight cycles after the effective date of this AD.

(ii) If the airplane has accumulated fewer than 1,000 total flight cycles as of the effective date of this AD: Within 250 flight cycles after the effective date of this AD.

(5) At the same time as accomplishing the actions required by paragraphs (f)(1) and (f)(4) of this AD: Perform a bleeding of the nose wheel steering system, in accordance with the instructions of Airbus All Operators Telex A340–29A5014, dated October 14, 2008.

(6) Repeat the inspection required by paragraphs (f)(1) and (f)(4) of this AD and the bleeding of the nose wheel steering system required by paragraph (f)(5) of this AD at intervals not to exceed 500 flight cycles.

(7) At the applicable time in paragraph (f)(7)(i) or (f)(7)(ii) of this AD, submit a report of the findings (both positive and negative) of the inspections required by paragraphs (f)(1) and (f)(4) of this AD to Airbus Customer Services, Engineering and Technical Support, ATTN: Mr. C. DUPHL, SEE14, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex, France; telephone: +33/(0)5 61 93 40 05; fax: +33/(0)5 61 67 19 12; e-mail: christophe.duphil@airbus.com.

(i) If the inspection was done on or after the effective date of this AD: Submit the report within 30 days after the inspection.

(ii) If the inspection was done before the effective date of this AD: Submit the report within 30 days after the effective date of this AD.

FAA AD Differences

Note 3: This AD differs from the MCAI and/or service information as follows: Although the MCAI does not tell you to submit information, paragraph (f)(7) of this AD specifies that such submittal is required.

Other FAA AD Provisions

(g) 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. Send information to ATTN: Vladimir Ulyanov, Aerospace Engineer, International Branch, ANM–116, Transport Airplane Directorate, FAA, 1601 Lind Avenue, SW., Renton, Washington 98057–3356; telephone (425) 227–1193; facsimile (425) 227–1140; E-mail: ulyanov.vladimir8@faa.gov. Use any approved AMOC on any airplane to which the AMOC applies, notify your principal maintenance inspector (PMI) or principal avionics inspector (PAI), as appropriate, or lacking a principal inspector, your local Flight Standards District Office. The AMOC approval letter must specifically reference this AD.

(2) Airworthy Product: For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved. Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

(3) Reporting Requirements: For any reporting requirement in this AD, under the provisions of the Paperwork Reduction Act (44 U.S.C. 3501 et seq.), the Office of Management and Budget (OMB) has approved the information collection requirements and has assigned OMB Control Number 2120–0056.

Related Information


Material Incorporated by Reference

(i) You must use Airbus All Operators Telex A340–29A5014, dated October 14, 2008, to do the actions required by this AD, unless the AD specifies otherwise. (The issue date of Airbus All Operators Telex A340–29A5014 is indicated only on the first page of the document.)

(1) The Director of the Federal Register approved the incorporation by reference of this service information under 5 U.S.C. 552(a) and 1 CFR part 51.
We are issuing this AD to require actions to correct the unsafe condition on these products.

DATES: This AD becomes effective May 19, 2010.


As of June 26, 2007 (72 FR 28587, May 22, 2007), the Director of the Federal Register approved the incorporation by reference of British Aerospace Jetstream Series 3100 & 3200 Service Bulletin 32–JA030644, dated October 6, 2003; and APPH Ltd. Service Bulletin 32–76, Revision 1, dated August 2003, listed in this AD.

As of May 22, 2003 (68 FR 16195, April 3, 2003), the Director of the Federal Register approved the incorporation by reference of British Aerospace Jetstream Series 3100 & 3200 Service Bulletin No. 32–JA020741, dated November 2, 2002.

ADDRESSES: You may examine the AD docket on the Internet at http://www.regulations.gov or in person at the 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: Taylor Martin, Aerospace Engineer, FAA, Small Airplane Directorate, 901 Locust, Room 301, ACE–112, Kansas City, Missouri 64106; telephone: (816) 329–4138; fax: (816) 329–4090.

SUPPLEMENTARY INFORMATION:

Discussion

We issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 to include an AD that would apply to the specified products. That NPRM was published in the Federal Register on January 21, 2010 (75 FR 3418), and proposed to supersede AD 2007–10–14, Amendment 39–15055 (72 FR 28587, May 22, 2007). That NPRM proposed to correct an unsafe condition for the specified products. The MCAI states that:

Cracks have been found in the NLG steering jack piston rod adjacent to the eye-end. This was caused by excessive torque which had been applied to the eye-end during assembly of the unit. Severe cracking, if not detected and corrected, can cause the jack to fail during operation, which may lead to loss of directional control of the aeroplane during critical phases of take-off and landing. To address this unsafe condition, the UK CAA issued AD 003–11–2002 (which references BAE Service Bulletin SB 32–JA020741), requiring an inspection for cracks and a measurement of the release torque of the piston rod end fitting to determine a new safe life (remaining fatigue life) for individual units. The revised safe life was calculated in accordance with the formula provided in associated APPH Ltd (the NLG Jack manufacturer) SB 32–76.

Following the completion of testing, APPH determined that the remaining fatigue life needed further reduction and published inspection criteria and a revised formula for calculating the piston safe life. This calculation and a revised end fitting tightening torque are contained in APPH SB 32–76 Revision 1. As a result, pistons which were previously calculated to have significant remaining life could possibly be unserviceable.

In response to this development, BAE Systems issued SB 32–JA030644 so that a revised calculation could be performed to establish the safe life of NLG steering jack pistons. Where not previously accomplished, the SB also recognized the need to inspect the piston for cracking and to measure the torque loading of the piston to eye-end joint so that safe life calculation could be performed. This SB superseded the earlier SB 32–JA020741 that produced an overly optimistic assessment of the component’s safe life. The CAA UK issued AD G–2004–0029, superseding AD 003–11–2002, to require the accomplishment of these corrective actions.

Subsequent to the original issue of BAE Systems SB 32–JA030644, APPH introduced a modified unit (optionally installed on aeroplanes by application of BAE Systems SB 32–JM5414) that incorporates a strengthened piston with a defined safe life. This safe life is not calculated in accordance with the instructions of BAE Systems SB 32–JA030644, but is already declared in BAE Systems SB 32–JA981042, currently at revision 7. In response to requests for clarification, BAE Systems has revised SB 32–JA030644 to exclude those aeroplanes from the ‘Effectivity’ that have the modified steering jack assembly installed in accordance with BAE modification JM5414. For the reasons described above, this new AD retains the requirements of UK CAA AD G–2004–0029, which is superseded, and confirms that for aeroplanes incorporating BAE modification JM5414, no further action is required.

Comments

We gave the public the opportunity to participate in developing this AD. We received no comments on the NPRM or on the determination of the cost to the public.

Conclusion

We reviewed the available data and determined that air safety and the public interest require adopting the AD as proposed.

Differences Between This AD and the MCAI or Service Information

We have reviewed the MCAI and related service information and, in general, agree with their substance. But we might have found it necessary to use different words from those in the MCAI to ensure the AD is clear for U.S. operators and is enforceable. In making these changes, we do not intend to differ substantively from the information provided in the MCAI and related service information.

We might also have required different actions in this AD from those in the MCAI in order to follow FAA policies. Any such differences are highlighted in a Note within the AD.

Costs of Compliance

We estimate that this AD will affect 190 products of U.S. registry. We also estimate that it will take about 2 work-hours per product to comply with the basic requirements of this AD. The average labor rate is $85 per work-hour.

Based on these figures, we estimate the cost of this AD to the U.S. operators to be $32,300, or $170 per product.

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 this AD:

1. Is not a “significant regulatory action” under Executive Order 12866;
2. Is not a “significant rule” under DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); and
3. 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.

We prepared a regulatory evaluation of the estimated costs to comply with this AD and placed it in the AD Docket.

Examining the AD Docket

You may examine the AD docket on the Internet at http://www.regulations.gov; 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 the NPRM, the regulatory evaluation, any comments received, and other information. The street address for the Docket Office (telephone (800) 647–5527) is in the ADDRESSES section. Comments will be available in the AD docket shortly after receipt.

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

§ 39.13 [Amended]

1. The authority citation for part 39 continues to read as follows:
   Authority: 49 U.S.C. 106(g), 40113, 44701.

2. The FAA amends § 39.13 by removing Amendment 39–15055 (72 FR 28587; May 22, 2007), and adding the following new AD:


Effective Date

(a) This airworthiness directive (AD) becomes effective May 19, 2010.

Affected ADs

(b) This AD supersedes AD 2007–10–14, Amendment 39–15055.

Applicability

(c) This AD applies to Model HP.137 Jetstream Mk.1, Jetstream Series 200, Jetstream Series 3101, and Jetstream Model 3201 airplanes, all serial numbers, that are:
   (1) Equipped with steering jack part number (P/N) 6182–2, P/N 6182–3, or P/N 6182–4; and
   (2) Certified in any category.

Subject

(d) Air Transport Association of America (ATA) Code 32: Landing Gear.

Reason

(e) The mandatory continuing airworthiness information (MCAI) states:
   Cracks have been found in the NLG steering jack piston rod adjacent to the eye-end. This was caused by excessive torque which had been applied to the eye-end during assembly of the unit. Severe cracking, if not detected and corrected, can cause the jack to fail during operation, which may lead to loss of directional control of the aeroplane during critical phases of take-off and landing.
   To address this unsafe condition, the UK CAA issued AD 003–11–2002 (which references BAE Systems Service Bulletin (SB) 32–JA020741), requiring an inspection for cracks and a measurement of the release torque of the piston rod end fitting to determine a new safe life (remaining fatigue life) for individual units. The revised safe life was calculated in accordance with the formula provided in associated APPH Ltd (the NLG Jack manufacturer) SB 32–76.
   Following the completion of testing, APPH determined that the remaining fatigue life needed further reduction and published inspection criteria and a revised formula for calculating the piston safe life. This calculation and a revised end fitting tightening torque are contained in APPH SB 32–76 Revision 1. As a result, pistons which were previously calculated to have significant remaining life could possibly be unserviceable.
   In response to this development, BAE Systems issued SB 32–JA030644 so that a revised calculation could be performed to establish the safe life of NLG steering jack pistons. Where not previously accomplished, the SB also recognised the need to inspect the piston for cracking and to measure the torque loading of the piston to eye-end joint so that safe life calculation could be performed.
   This SB superseded the earlier SB 32–JA020741 that produced an overly optimistic assessment of the component’s safe life. The CAA UK issued AD G–2004–0029, superseding AD 003–11–2002, to require the accomplishment of these corrective actions.
   Subsequent to the original issue of BAE Systems SB 32–JA030644, APHP introduced a modified unit (optionally installed on aeroplanes by application of BAE Systems SB 32–JM5414) that incorporates a strengthened piston with a defined safe life. This safe life is not calculated in accordance with the instructions of BAE Systems SB 32–JA030644, but is already declared in BAE Systems SB 32–JA0981042, currently at revision 7. In response to requests for clarification, BAE Systems has revised SB 32–JA030644 to exclude those aeroplanes from the ‘Effectivity’ that have the modified steering jack assembly installed in accordance with BAE modification JM5414.

For the reasons described above, this new AD retains the requirements of UK CAA AD G–2004–0029, which is superseded, and confirms that for aeroplanes incorporating BAE modification JM5414, no further action is required.

Actions and Compliance

(f) Unless already done, do the following actions:

1. For airplanes where the actions in British Aerospace Jetstream Series 3100 & 3200 Service Bulletin No. 32–JA020741, dated November 2, 2002 (APPH Ltd. Service Bulletin 32–76, Revision 1, dated August 2003), have not already been done:
   (i) Within 2 months after June 26, 2007 (the effective date retained from AD 2007–10–14), inspect the steering jack piston rod, check the torque of the end fitting, and determine the safe life of the steering jack piston rod following BAE Systems British Aerospace Jetstream Series 3100 & 3200 Service Bulletin 32–JA030644, dated October 6, 2003. You may do the actions required in this paragraph following paragraph 2, Part 1 of British Aerospace Jetstream Series 3100 & 3200 Service Bulletin No. 32–JA030644, Revision No. 1, dated August 19, 2008, to comply with this AD.
   (ii) If the piston rod is found cracked or unserviceable during the inspection required in paragraph (f)(1)(i) of this AD, before further flight, remove the steering jack and replace it with a serviceable unit.

2. For airplanes where the actions in BAE British Aerospace Jetstream Series 3100 & 3200 Service Bulletin No. 32–JA020741, dated November 2, 2002 (APPH Ltd. Service Bulletin 32–76, Revision 1, dated August 2003), have already been done:
   (i) Within 3 months after June 26, 2007 (the effective date retained from AD 2007–10–14), recalculate the safe life of the steering jack piston rod and re-torque the piston rod eye-end following BAE Systems British Aerospace Jetstream Series 3100 & 3200 Service Bulletin 32–JA030644, dated October 6, 2003. You may do the actions required in this paragraph following paragraph 2, Part 2 of British Aerospace Jetstream Series 3100 & 3200 Service Bulletin No. 32–JA030644, Revision No. 1, dated August 19, 2008, to comply with this AD.
   (ii) If the piston rod is found unserviceable during the inspection required in paragraph (f)(2)(i) of this AD, before further flight, remove the steering jack and replace it with a serviceable unit.


4. For all airplanes: After June 26, 2007 (the effective date retained from AD 2007–10–14), do not install a steering jack piston rod with P/N 6182–2, P/N 6182–3, or P/N 6182–4, unless it has been inspected and the safe life recalculated following BAE Systems

FAA AD Differences

Note: This AD differs from the MCAI and/ or service information as follows: No differences.

Other FAA AD Provisions

(g) The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, Standards Office, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. Send information to ATTN: Taylor Martin, Aerospace Engineer, FAA, Small Airplane Directorate, 901 Locust, Room 103, Kansas City, Missouri 64106; telephone: (816) 329–4138; fax: (816) 329– 4090. Before using any approved AMOC on any airplane to which the AMOC applies, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.

(2) Airworthy Product: For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved. Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

(3) Reporting Requirements: For any reporting requirement in this AD, under the provisions of the Paperwork Reduction Act (44 U.S.C. 3501 et seq.), the Office of Management and Budget (OMB) has approved the information collection requirements and has assigned OMB Control Number 2120–0056.

Related Information


The Manager, Standards Office, FAA, Small Airplane Directorate, 901 Locust, Room 103, Kansas City, Missouri 64106; telephone: (816) 329–4138; fax: (816) 329–4090. Before using any approved AMOC on any airplane to which the AMOC applies, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.

DEPARTMENT OF TRANSPORTATION
Federal Aviation Administration

14 CFR Part 71


Modification of Class E airspace; Oxnard, CA

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule.

SUMMARY: This action will modify Class E airspace at Point Mugu Naval Air Station (NAS), Oxnard, CA. Additional controlled airspace is necessary to accommodate aircraft flying in the Los Angeles Air Route Traffic Control Center's (ARTCC's) airspace area. The FAA is taking this action to enhance the safety and management of aircraft operations in Los Angeles ARTCC’s airspace. This action also makes a minor change to the name and geographic coordinates of Point Mugu NAS, Oxnard, CA.

DATES: Effective Date: 0901 UTC, June 3, 2010. The Director of the Federal Register approves this incorporation by reference action under 1 CFR part 51, subject to the annual revision of FAA Order 7400.9 and publication of conforming amendments.

FOR FURTHER INFORMATION CONTACT: Eldon Taylor, Federal Aviation Administration, Operations Support Group, Western Service Center, 1601 Lind Avenue, SW., Renton, WA 98057; telephone (425) 203–4537.

SUPPLEMENTARY INFORMATION:

History

On December 29, 2009, the FAA published in the Federal Register a notice of proposed rulemaking to establish additional controlled airspace at Point Mugu NAS, Oxnard, CA (74 FR 68748). Interested parties were invited to participate in this rulemaking effort by submitting written comments on the proposal to the FAA. No comments were received. The FAA found the acronym NAS in the airport name was typed as NAWS, and also updates the geographic coordinates to coincide with the FAA’s National Aeronautical Charting Office.

Class E airspace designations are published in paragraph 6005 of FAA Order 7400.9T signed August 27, 2009, and effective September 15, 2009, which is incorporated by reference in 14 CFR part 71.1. The Class E airspace designations listed in this document will be published subsequently in that Order.

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