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## **DEPARTMENT OF TRANSPORTATION**

### **Federal Aviation Administration**

#### **14 CFR Part 39**

**[Docket No. FAA-2013-0455; Directorate Identifier 2013-CE-013-AD; Amendment 39-17461; AD 2013-11-01]**

**RIN 2120-AA64**

#### **Airworthiness Directives; Iniziative Industriali Italiane S.p.A. Airplanes**

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Final rule; request for comments

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**SUMMARY:** We are adopting a new airworthiness directive (AD) for Iniziative Industriali Italiane S.p.A. Models Sky Arrow 650 TC, Sky Arrow 650 TCN, Sky Arrow 650TCS, and Sky Arrow 650TCNS airplanes. This AD results from mandatory continuing airworthiness information (MCAI) issued by the aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI describes the unsafe condition as improper installation of the spherical bearing on the central hinge lever and a crack on the weld length of the horizontal tail/elevator plane hinge assembly. We are issuing this AD to require actions to address the unsafe condition on these products.

**DATES:** This AD is effective June 19, 2013.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in the AD as of June 19, 2013.

We must receive comments on this AD by July 19, 2013.

**ADDRESSES:** You may send comments by any of the following methods:

- Federal eRulemaking Portal: Go to <http://www.regulations.gov>. Follow the instructions for submitting comments.
- Fax: (202) 493-2251.
- Mail: U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC 20590.
- Hand Delivery: U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC 20590, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

For service information identified in this AD, contact Magnaghi Aeronautica S.p.A., Via G. Ferraris, 76, 80142 Napoli, Italy; telephone: + 39 081 5977 225; fax: + 39 081 5977 226; email: dtedesco@magnaghiaeronautica.it; Internet: www.magnaghiaeronautica.it. You may review copies of the referenced service information at the FAA, Small Airplane Directorate, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the FAA, call (816) 329-4148.

### **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 this AD, 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.

**FOR FURTHER INFORMATION CONTACT:** Mike Kiesov, Aerospace Engineer, FAA, Small Airplane Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4144; fax: (816) 329-4090; email: [mike.kiesov@faa.gov](mailto:mike.kiesov@faa.gov).

### **SUPPLEMENTARY INFORMATION:**

#### **Discussion**

The European Aviation Safety Agency (EASA), which is the Technical Agent for the Member States of the European Community, has issued AD No. 2013-0073-E, dated March 21, 2013 (referred to after this as "the MCAI"), to correct an unsafe condition for the specified products. The MCAI states:

During an inspection on elevator/stabilizer hinges, improper installation of the spherical bearing part number (P/N) SKF GE-10 on the central hinge lever and a crack on the weld length of the horizontal tail/elevator plane hinge assembly have been reported.

This condition, if not detected and corrected, could lead to the loss of the main elevator control.

To address this potential unsafe condition, Magnaghi Aeronautica issued Service Bulletin (SB-C) n. SB-005-2013-SKY ARROW to inspect the affected areas of the pitch flight control system.

For the reasons described above, this AD requires inspection of the spherical bearing and the horizontal tail/elevator plane hinge assembly to detect any crack, signs of corrosion or improper installation, and accomplishment of the applicable corrective actions.

The MCAI also requires sending a detailed report of any crack, signs of corrosion, or improper installation found during the required inspections to Magnaghi Aeronautica S.p.A.; requesting an FAA-approved repair scheme; and incorporating the repair. You may obtain further information by examining the MCAI in the AD docket.

## **Relevant Service Information**

Magnaghi Aeronautica SpA has issued Service Bulletin SB-C n. SB-005-2013-SKY ARROW, Issue 1, dated March 13, 2013. The actions described in this service information are intended to correct the unsafe condition identified in the MCAI.

## **FAA's Determination and Requirements of the AD**

This product has been approved by the aviation authority of another country, and is approved for operation in the United States. Pursuant to our bilateral agreement with this State of Design Authority, they have notified us of the unsafe condition described in the MCAI and service information referenced above. We are issuing this AD because we evaluated all information provided by the State of Design Authority and determined the unsafe condition exists and is likely to exist or develop on other products of the same type design.

## **FAA's Determination of the Effective Date**

An unsafe condition exists that requires the immediate adoption of this AD. The FAA has found that the risk to the flying public justifies waiving notice and comment prior to adoption of this rule because This condition, which, if not corrected, could lead to the loss of the main elevator control and result in loss of control. Therefore, we determined that notice and opportunity for public comment before issuing this AD are impracticable and that good cause exists for making this amendment effective in fewer than 30 days.

## **Comments Invited**

This AD is a final rule that involves requirements affecting flight safety, and we did not precede it by notice and opportunity for public comment. We invite you to send any written relevant data, views, or arguments about this AD. Send your comments to an address listed under the ADDRESSES section. Include "Docket No. FAA-2013-0455; Directorate Identifier 2013-CE-013-AD" at the beginning of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of this AD. We will consider all comments received by the closing date and may amend this AD because of those comments.

We will post all comments we receive, without change, to <http://www.regulations.gov>, including any personal information you provide. We will also post a report summarizing each substantive verbal contact we receive about this AD.

## **Costs of Compliance**

We estimate that this AD will affect 9 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 the AD on U.S. operators to be \$1,530, or \$170 per product.

We are unable to estimate the costs to accomplish any necessary repair that will be required based on the results of any required inspection. Magnaghi Aeronautica S.p.A. will evaluate the damage of each affected airplane and develop an appropriate repair scheme.

## **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 AD:



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**2013-11-01 Initiative Industriali Italiane S.p.A.:** Amendment 39-17461; Docket No. FAA-2013-0455; Directorate Identifier 2013-CE-013-AD.

**(a) Effective Date**

This airworthiness directive (AD) becomes effective June 19, 2013.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to Initiative Industriali Italiane S.p.A. Models Sky Arrow 650 TC, Sky Arrow 650 TCN, Sky Arrow 650TCS, and Sky Arrow 650TCNS airplanes, all serial numbers, certificated in any category.

**(d) Subject**

Air Transport Association of America (ATA) Code 27: Flight Controls.

**(e) Reason**

This AD was prompted by mandatory continuing airworthiness information (MCAI) issued by the aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI describes the unsafe condition as improper installation of the spherical bearing on the central hinge lever and a crack on the weld length of the horizontal tail/elevator plane hinge assembly. We are issuing this AD to correct this condition, which, if not corrected, could lead to the loss of the main elevator control and could result in loss of control.

**(f) Actions and Compliance**

Unless already done, do the following actions.

(1) Before further flight after June 19, 2013 (the effective date of this AD), and thereafter at intervals not to exceed 25 hours time-in-service (TIS), perform detailed visual inspections of the horizontal tail/elevator plane hinge assembly part number (P/N) R26208/00 following paragraph 4. INSTRUCTIONS of Magnaghi Aeronautica SpA Service Bulletin SB-C n. SB-005-2013-SKY ARROW, Issue 1, dated March 13, 2013.

(2) If during any inspection required by paragraph (f)(1) of this AD, the spherical bearing is found partially or completely out of its seat and/or signs of cracks or corrosion of the hinges, hinge levers or hinge brackets are detected, before further flight send a detailed report to Magnaghi Aeronautica S.p.A. following paragraph 4. INSTRUCTIONS of Magnaghi Aeronautica SpA Service Bulletin SB-C n. SB-005-2013-SKY ARROW, Issue 1, dated March 13, 2013, to the address specified in paragraph (i)(3) of this AD, requesting an FAA-approved repair scheme and incorporating the repair.

(3) As of June 19, 2013 (the effective date of this AD) do not install any spherical bearing P/N SKF GE-10 or horizontal tail/elevator plane hinge assembly P/N R26208/00 on any airplane, unless it has passed the inspection following paragraph 4. INSTRUCTIONS of Magnaghi Aeronautica SpA Service Bulletin SB-C n. SB-005-2013-SKY ARROW, Issue 1, dated March 13, 2013.

**(g) Other FAA AD Provisions**

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: Mike Kiesov, Aerospace Engineer, FAA, Small Airplane Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4144; fax: (816) 329-4090; email: mike.kiesov@faa.gov. 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, a federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2120-0056. Public reporting for this collection of information is estimated to be approximately 5 minutes per response, including the time for reviewing instructions, completing and reviewing the collection of information. All responses to this collection of information are mandatory. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave. SW., Washington, DC 20591, Attn: Information Collection Clearance Officer, AES-200.

**(h) Related Information**

Refer to MCAI European Aviation Safety Agency (EASA) AD No. 2013-0073-E, dated March 21, 2013, for related information.

**(i) 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 the AD specifies otherwise.

(i) Magnaghi Aeronautica SpA Service Bulletin SB-C n. SB-005-2013-SKY ARROW, Issue 1, dated March 13, 2013.

(ii) Reserved.

(3) For Iniziative Industriali Italiane S.p.A. service information identified in this AD, contact Magnaghi Aeronautica S.p.A., Via G. Ferraris, 76, 80142 Napoli, Italy; telephone: + 39 081 5977 225; fax: + 39 081 5977 226; email: dtedesco@magnaghiaeronautica.it; Internet: www.magnaghiaeronautica.it.

(4) You may view this service information at FAA, Small Airplane Directorate, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the FAA, call (816) 329-4148.

(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 Kansas City, Missouri, on May 20, 2013.  
Earl Lawrence,  
Manager, Small Airplane Directorate,  
Aircraft Certification Service.