

EASA	EMERGENCY AIRWORTHINESS DIRECTIVE
	AD No.: 2013-0073-E Date: 21 March 2013 Note: This Emergency 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.
This AD is issued in accordance with EU 748/2012, Part 21.A.3B. In accordance with EC 2042/2003 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 [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].	
Design Approval Holder's Name : Magnaghi Aeronautica S.p.A.	Type/Model designation(s) : Sky Arrow aeroplanes
TCDS Number: EASA.A.079	
Foreign AD: Not applicable	
Supersedure: None	
ATA 27	Flight Controls - Pitch Flight Control System – Inspection
Manufacturer(s):	(formerly: Iniziative Industriali Italiane S.p.A.)
Applicability:	Sky Arrow 650 TC, 650 TCN, 650 TCS, 650 TCNS and 710 RG aeroplanes, all serial numbers.
Reason:	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.
Effective Date:	25 March 2013

Required Action(s) and Compliance Time(s):	Required as indicated, unless already accomplished: (1) Before next flight after the effective date of this AD, and thereafter at intervals not to exceed 25 flight hours, perform detailed visual inspections of the horizontal tail/elevator plane hinge assembly P/N R26208/00 in accordance with the accomplishment instructions of Magnaghi Aeronautica SB-C n. SB-005-2013-SKY ARROW. (2) If during any inspection required by paragraph (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 next flight send a detailed report to Magnaghi Aeronautica, request approved instructions for corrective actions and accomplish those instructions accordingly. (3) From 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 aeroplane, unless it has passed the inspection in accordance with the instructions of Magnaghi Aeronautica SB-C n. SB-005-2013-SKY ARROW.
Ref. Publications:	Magnaghi Aeronautica SB-C n. SB-005-2013-SKY ARROW Issue 1, dated 13 March 2013. The use of later approved revisions of this document 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. The results of the safety assessment have indicated the need for immediate publication and notification, without the full public consultation process. 3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu. 4. For any question concerning the technical content of the requirements in this AD, please contact: Magnaghi Aeronautica S.p.A. Via G. Ferraris 76, 80142 Napoli – ITALY. Telephone: + 39 081 5977 225; Fax: + 39 081 5977 226; E-mail: dtedesco@magnaghiaeronautica.it.