EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2010–0260 **Date: 07 December 2010** 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.

This AD is issued in accordance with EC 1702/2003, Part 21A.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 Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive 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 Change Approval Holder:	**Type/Model designation(s) :**
Dyn'Aviation	Exhaust Systems installed on DR300 and DR400 aeroplanes

Minor Change Approval Number : MD09K0012

Foreign AD : Not Applicable

Supersedure : This AD supersedes EASA AD 2010-0151-E dated 23 July 2010.

ATA 78	**Exhaust – Exhaust Pipes – Inspection**
Manufacturer(s):	Dyn'Aviation
Applicability:	CEAPR (formerly Robin Aviation, APEX and Avions Pierre Robin) DR300 and DR400 aeroplanes, all models, all serial numbers, if equipped with Dyn'Aviation exhaust system P/N ZAPMO0100, ZAPMO0200, ZAPMO0300, ZAPMO0400, ZAPMO1700, ZAPMO1800, ZAPMO1900 or ZAPMO2000, installed in accordance with Dyn'Aviation minor change MD09K0012.
Reason:	A case of in flight failure between rear exhaust stack and muffler has been reported. Consequently, if left uncorrected, this failure could lead to Carbon Monoxide (CO) contamination of the cabin, possibly resulting in incapacity of the pilot to continue the flight. EASA Airworthiness Directive (AD) 2010-0151-E based on Dyn'Aviation Service Bulletin (SB) No BS10G0001 required repetitive inspections of the welding between rear exhaust stacks and muffler to look for cracks. Furthermore, depending on findings, replacement of the exhaust system was required with a serviceable part. The technical investigation provided by Dyn'Aviation has shown that an improper installation has lead to a blockage of the exhaust ball joint and consequently a failure of the exhaust welding. The Dyn'Aviation SB No BS10G0001-R1 defines a new exhaust design with

	amended maintenance actions.
Effective Date:	21 December 2010
Required action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) Within the next 12 flight hours (FH) after 27 July 2010 (effective date of EASA AD 2010-0151-E) and thereafter at intervals not to exceed 12 FH, visually inspect the welding between the rear exhaust stacks and muffler on the left and right exhaust systems in accordance with instructions of Dyn'Aviation Service Bulletin BS 10G0001 paragraph 8. (2) If during any inspection as required by paragraph (1) of this AD, cracks are found, before next flight, replace the affected exhaust system with a serviceable part in accordance with instructions of Dyn'Aviation Service Bulletin BS10G0001-R1. (3) Within the next 55 FH, or one month, whichever occurs first after the effective date of this AD, modify the exhaust system in accordance with instructions of Dyn'Aviation Service Bulletin BS10G0001-R1. (4) Modification of an aeroplane as required by paragraph (2) or (3) of this AD constitutes terminating action for the repetitive inspections required by paragraph (1).
Ref. Publications:	Dyn'Aviation Service Bulletin BS10G0001-R1 dated 11 October 2010. 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 required actions and the risk allowance have granted the issuance of a Final AD with Request for Comments, postponing the public consultation process after publication. 3. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu. 4. For any question concerning the technical content of the requirements in this AD, please contact: DYN'AVIATION Route de Troyes 21121 DAROIS FRANCE Phone : (33) 3 80 35 60 62 Fax : (33) 3 80 35 60 63 navigabilite@dynaviation.fr airworthiness@dynaviation.fr