



適航指令發布單

Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2007-10-002 取消	發布日期 Date issued	2021/5/17
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Pacific Scientific rotary buckles, having Part Number (P/N) 1111430-XX or P/N 1111475-XX, manufactured between November 2004 through May 2007 inclusive. These rotary buckles are used on TSO-C114 approved Pacific Scientific restraint systems, having P/N 2000029-01, P/N 2000029-03, P/N 2000029-101, P/N 2000029-121, P/N 2000067-01, P/N 2000115-101 and P/N 2000115-121. These P/N restraint systems are known to be installed on, but not limited to, Airbus Helicopters type AS 350, AS 355, EC120, EC130 and EC155 helicopters. EASA AD 2007-0256 applied only to these buckles when installed on rotorcraft, and was not intended for aeroplanes.		
主旨摘要	CANCELLED: Equipment / Furnishings – Seat Restraint System Plastic Rotary Buckle Handle – Inspection / Replacement		
民航局 CAA <input type="checkbox"/> 本國產品 Native products <input type="checkbox"/> 其他個案 Other	設計國民航主管機構 Original Authorities <input type="checkbox"/> FAA <input type="checkbox"/> Germany LBA <input checked="" type="checkbox"/> EASA <input type="checkbox"/> CAA-NL <input type="checkbox"/> Brazil <input type="checkbox"/> UK CAA <input type="checkbox"/> Transport Canada Civil Aviation <input type="checkbox"/> Japan CAB <input type="checkbox"/> DGAC <input type="checkbox"/> CAA of Israel <input type="checkbox"/> Other _____		
	設計國 AD 編號 Original AD number	2007-0256-CN	
	1. 直接採用原 AD 之內容?(Is the original AD directly adopted?) <input checked="" type="checkbox"/> 是(Yes) <input type="checkbox"/> 否(No) _ a. 生效日期另訂為(Re-specify the effective date as) : _____ b. 執行時限另訂為(Re-specify the compliance time or period as) : _____ <input type="checkbox"/>		
	2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do <input type="checkbox"/> Users need to report the status of compliance to the CAA?) <input type="checkbox"/> 是(Yes) <input checked="" type="checkbox"/> 否(No)		
備註 Note	This Notice cancels EASA AD 2007-0256(CAA-2007-10-002) dated 19 September 2007.		
註： 1. AD 內容後附。 2. 航空器產品使用人得向民航局提出豁免、替代符合方法、執行時限之展延之申請。 3. 如有任何問題，請聯絡交通部民用航空局初始適航科。Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail： adcaa@mail.caa.gov.tw Note： 1. The AD text is enclosed. 2. Exemption, an alternative method of compliance or adjustment of the compliance time may be proposed to the CAA for approval. 3. For further information, please contact Civil Aeronautics Administration on Tel:(02)2349-6331~3, Fax:(02)2545-8464, e-mail： adcaa@mail.caa.gov.tw			



Airworthiness Directive Cancellation Notice

AD No.: 2007-0256-CN

Issued: 11 May 2021

Note: This Airworthiness Directive (AD) Cancellation Notice (CN) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation.

Design Approval Holder's Name: PACIFIC SCIENTIFIC COMPANY
Type/Model designation(s): Restraint Systems 2000029, 2000067 and 2000115

Effective Date: 11 May 2021

(E)TSOA(s): United States Technical Standard Order [TSO-C114](#), validated in Europe through various approvals, e.g. CAA UK AR01193, AR0197 and AR01199

Foreign AD: Federal Aviation Administration (FAA) [AD 2021-07-13](#)

Cancellation: This Notice cancels EASA AD 2007-0256 dated 19 September 2007.

ATA 25 – CANCELLED: Equipment / Furnishings – Seat Restraint System Plastic Rotary Buckle Handle – Inspection / Replacement

Manufacturer(s):

Pacific Scientific Company, HTL/KIN-TECH Division

Applicability:

Pacific Scientific rotary buckles, having Part Number (P/N) 1111430-XX or P/N 1111475-XX, manufactured between November 2004 through May 2007 inclusive.

These rotary buckles are used on TSO-C114 approved Pacific Scientific restraint systems, having P/N 2000029-01, P/N 2000029-03, P/N 2000029-101, P/N 2000029-121, P/N 2000067-01, P/N 2000115-101 and P/N 2000115-121.

These P/N restraint systems are known to be installed on, but not limited to, Airbus Helicopters type AS 350, AS 355, EC120, EC130 and EC155 helicopters.

EASA AD 2007-0256 applied only to these buckles when installed on rotorcraft, and was not intended for aeroplanes.

Definitions:

For the purpose of this AD-CN, the following definitions apply:



The SB: Pacific Scientific Service Bulletin (SB) 25-1111432, Appendix 1 of which contains a list of P/N restraint systems which may have the affected buckles installed.

Reason:

Occurrences were reported of finding cracks on guarded rotary buckle assembly plastic handles, P/N 1111430 and P/N 1111475 series, with a date of manufacture from November 2004 through May 2007 inclusive. Preliminary testing performed by the manufacturer, Pacific Scientific, on buckle assemblies with cracked plastic handles indicates that in some circumstances, when a load is placed on the restraint system, the straps may not release as intended when the buckle is rotated. This is particularly considered to be a safety risk for helicopter installations.

This condition, if not corrected, could inhibit timely evacuation from the helicopter following an emergency landing, possibly resulting in injury to occupants.

For the reason described above, EASA issued AD 2007-0256 to require identification of all affected buckles, a one-time inspection for cracks and replacement of cracked buckles, and removal from service of the entire batch of suspect buckles.

Since that AD was issued, the FAA issued AD 2021-07-13, prompted by EASA AD 2007-0256 which was not a 'State of Design' AD for the US-designed and -manufactured parts. The FAA AD applies to the same P/N (all dash numbers) rotary buckle assemblies, irrespective of manufacturing date, or P/N restraint system or aircraft type they are installed on.

As the compliance time for EASA AD 2007-0256 expired in April 2008, it is unlikely that any affected parts could still be in service on helicopters registered in an EASA Member State. However, some may still be installed on fixed-wing aircraft, as these were not affected by the EASA AD. For this reason, EASA has decided to adopt FAA AD 2021-07-13, being the 'State of Design' AD for the affected parts, and to cancel EASA AD 2007-0256 accordingly.

Required Action(s) and Compliance Time(s):

None

Ref. Publications:

Pacific Scientific SB 25-1111432 original issue dated 22 May 2007.

Remarks:

1. This AD-CN was posted on 16 April 2021 as PAD 21-055-CN for consultation until 07 May 2021. The Comment Response Document can be found in the [EASA Safety Publications Tool](#), in the compressed (zipped) file attached to the record for this AD-CN.
2. Enquiries regarding this AD-CN should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
3. For any question concerning the technical content of this AD-CN, please contact: Meggitt Services, 1785 Voyager Avenue, Simi Valley, CA 93063, United States, telephone +1 877-666-0712 or E-mail: CustomerResponse@meggitt.com.

