



Notification of a Proposal to cancel an Airworthiness Directive

PAD No.: 21-055-CN

Issued: 16 April 2021

Note: This Proposed Airworthiness Directive (PAD) 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.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the cancellation of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.

All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

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

Effective Date: [TBD - standard: same day as AD-CN issue date]

(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 PAD-CN proposes to cancel 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 PAD-CN, the following definitions apply:

The SB: Pacific Scientific Service Bulletin (SB) 25-1111432, Appendix 1 of which contains a full 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 aircraft type installation.

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 Proposed AD-CN will be closed for consultation on 07 May 2021.
2. Enquiries regarding this PAD-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 PAD-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.

