



Civil Aviation Authority

PROPOSED AIRWORTHINESS DIRECTIVE



Number: 1987

Issue date: 17 February 2022

In accordance with the CAA Continuing Airworthiness Procedures, the issuance of an Airworthiness Directive (AD) is proposed which will be 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:

Modification(s):

IPECO HOLDINGS LIMITED

Type 3A063 flight crew seats

Effective Date:	[TBD upon issue of final AD]
ETSO Authorisations:	Civil Aviation Authority (CAA) of the United Kingdom (UK) Approval Numbers E12862, E13323 and EASA.21O.10067247
Foreign AD (if applicable):	Not Applicable
Supersedure:	This AD supersedes EASA AD 2018-0262 dated 06 December 2018

ATA: 25 – Equipment / Furnishings – Pilot & Co-Pilot Seats – Inspection / Modification

Manufacturer(s):

Ipeco Holdings Limited, previously Ipeco Europe Limited

Applicability:

Type 3A063 pilot and co-pilot seats, identified by Part Number (P/N) in Appendix 1 of this AD, all serial numbers.

These seats are known to be installed on, but not limited to, ATR-GIE Avions de Transport Régional ATR 42 and ATR 72 aeroplanes.

Definitions:

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

The applicable modification SB: IPECO Service Bulletin (SB)

063-25-08, SB 063-25-09, 063-25-10, 063-25-15, SB 063-25-16, SB 063-25-17 and SB 063-25-18, as applicable.

The inspection SB: IPECO Service Bulletin (SB) 063-25-14.

Affected seat: A seat having a P/N identified in Appendix 1 of this AD.

Affected spring: Track lock spring having P/N 1A527-0016 or P/N 3A063-0559

Groups:

Group 1 are aeroplanes that, on 30 December 2016 [the effective date of EASA AD 2016-0256] had a pre-mod seat installed.

Group 2 are aeroplanes that, on 30 December 2016, did not have a pre-mod seat installed.

Note: Group 1 and Group 2 aeroplanes are used to identify the modification status of affected seats for the required actions relating to EASA AD 2016-0256 and EASA AD 2018-0262.

Reason:

Occurrences have been reported of the unexpected rearward movement of pilot/co-pilot seats during take-off and landing. Investigations determined that horizontal guide block wear, presence of burrs on horizontal centre track and horizontal track lock system weakness (spring tension too low) were causes which contributed to the seat not being correctly locked.

This condition, if not corrected, could lead to further cases of unwanted flight crew seat movement, possibly resulting in reduced control of the aeroplane.

To address this potential unsafe condition, IPECO improved the quality control on the final assembly line and issued the applicable modification SB, providing modification instructions. EASA issued AD 2016-0256, requiring modification of pre-mod seats and subsequent re-identification with a new P/N.

Since AD 2016-0256 was issued, occurrences of track lock spring failures continued to be reported, including seats already modified as required by EASA AD 2016-0256. Consequently, IPECO published the inspection SB, as mandated by EASA AD 2018-0262, providing applicable instructions to inspect and replace, if necessary, any affected spring of each affected seat. EASA AD 2018-0262 retained the requirements of EASA AD 2016-0256.

This AD retains the requirements of EASA AD 2018-0262, which is superseded, and maintains the inspections of EASA AD 2018-0262 until the terminating action introduced by this AD, which requires replacement of affected springs and lever, and the installation of a lever control placard, is accomplished.

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

Required as indicated, unless accomplished previously:

Restatement of the requirements of EASA AD 2018-0262:

Inspections:

- (1) Within 750 flight hours (FH) after 20 December 2018 [effective date of EASA AD 2018-0262], and, thereafter, at intervals not to exceed 750 FH, inspect any affected spring of each affected seat in accordance with the instructions of the inspection SB (SB 063-25-14).

Corrective action:

- (2) If, during any inspection as required by paragraph (1) of EASA AD 2018-0262, any damage or incorrect installation of an affected spring (as identified in the inspection SB) is found, before next flight replace both springs in accordance with the instructions of the inspection SB (SB 063-25-14).

Credit:

- (3) For affected seats installed on ATR aeroplanes only: If, during any inspection as required by paragraph (1) of EASA AD 2018-0262, any damage or incorrect installation of only one affected spring (as identified in the inspection SB) is found on the pilot or co-pilot seat, it is allowed to defer accomplishment of the corrective actions as required by paragraph (2) of this AD for that seat by up to 10 calendar days, provided a copy of the ATR Operations Engineering Bulletin (OEB) "Untimely Pilot Seat Unlocking" is included in the applicable Aircraft Flight Manual, pilots are informed, and the aeroplane is operated in accordance with the instructions of that OEB.

New requirements of this AD**Terminating action:**

- (4) Within 12 months or at the next scheduled service whichever occurs latest after the effective date of this AD, modify and re-identify each affected seat in accordance with the instructions of the applicable IPECO Service Bulletin (SB), SB, 063-25-15, SB 063-25-16, SB 063-25-17 and SB 063-25-18.

Reference Publications:

IPECO SB 063-25-08 original issue dated 31 May 2016.

IPECO SB 063-25-09 original issue dated 31 May 2016.

IPECO SB 063-25-10 original issue dated 31 May 2016.

IPECO SB 063-25-14 original issue dated 14 August 2018.

IPECO SB 063-25-15 Issue 2 dated 10 December 2021.

IPECO SB 063-25-16 Issue 2 dated 10 December 2021.

IPECO SB 063-25-17 Issue 2 dated 23 November 2021.

IPECO SB 063-25-18 Issue 2 dated 10 December 2021.

ATR OEB "Untimely Pilot Seat Unlocking" available inside ATR FCOM and submitted with AOM: 42/72/2018/04 issue 1 dated 13 September 2018.

ATR SB ATR42-25-0191 original issue dated 04 July 2016, or revision 01 dated 20 July 2016.

ATR SB ATR72-25-1157 original issue dated 04 July 2016, or revision 01 dated 20 July 2016.

The use of later approved revisions of the above-mentioned documents is acceptable for compliance with the requirements of this AD.

Remarks:

1. This PAD will be closed for consultation on 17 March 2022.
2. If requested and appropriately substantiated, CAA can approve Alternative Methods of Compliance for this AD.
3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a

product, part or appliance not affected by this AD, can be reported to the CAA aviation safety reporting system. This may include reporting on the same or similar components, other than those covered by the design to which this AD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.

4. Enquiries regarding this PAD should be referred to: Continued.Airworthiness@caa.co.uk
5. For any questions concerning the technical content of the requirements in this PAD, please contact:
**IPECO Holdings Limited,
Aviation Way, Southend On Sea,
Essex SS2 6UN, United Kingdom,
Telephone: +44 1702 545118, Fax: +44 1702 540782,
E-mail: Customersupport@ipeco.com.**

Appendix 1 – Affected Seat P/N

This Appendix list all the affected seat Part Numbers:

In-Service Part Number Pre SB063-25-15	In-Service Part Number Post SB063-25-15
3A063-0033-01-1Z	3A063-0033-01-1ZZ
3A063-0033-01-2Z	3A063-0033-01-2ZZ
3A063-0033-01-3Z	3A063-0033-01-3ZZ
3A063-0033-01-4Z	3A063-0033-01-4ZZ
3A063-0033-01-6	3A063-0033-01-7
3A063-0033-02-1Z	3A063-0033-02-1ZZ
3A063-0033-02-2Z	3A063-0033-02-2ZZ
3A063-0033-02-3Z	3A063-0033-02-3ZZ
3A063-0033-02-4Z	3A063-0033-02-4ZZ
3A063-0033-02-6	3A063-0033-02-7
3A063-0034-01-1Z	3A063-0034-01-1ZZ
3A063-0034-01-2Z	3A063-0034-01-2ZZ
3A063-0034-01-3Z	3A063-0034-01-3ZZ
3A063-0034-01-4Z	3A063-0034-01-4ZZ
3A063-0034-01-6	3A063-0034-01-7
3A063-0034-02-1Z	3A063-0034-02-1ZZ
3A063-0034-02-2Z	3A063-0034-02-2ZZ
3A063-0034-02-3Z	3A063-0034-02-3ZZ
3A063-0034-02-4Z	3A063-0034-02-4ZZ
3A063-0034-02-6	3A063-0034-02-7

In-Service Part Number PreSB063-25-16	In-Service Part Number Post SB063-25-16
3A063-0035-01-1Z	3A063-0035-01-1ZZ
3A063-0035-01-2Z	3A063-0035-01-2ZZ
3A063-0035-01-3Z	3A063-0035-01-3ZZ
3A063-0035-01-4Z	3A063-0035-01-4ZZ
3A063-0035-01-6	3A063-0035-01-7
3A063-0035-02-1Z	3A063-0035-02-1ZZ
3A063-0035-02-2Z	3A063-0035-02-2ZZ
3A063-0035-02-3Z	3A063-0035-02-3ZZ
3A063-0035-02-4Z	3A063-0035-02-4ZZ
3A063-0035-02-6	3A063-0035-02-7
3A063-0035-03-1Z	3A063-0035-03-1ZZ
3A063-0035-03-2Z	3A063-0035-03-2ZZ
3A063-0035-03-3Z	3A063-0035-03-3ZZ
3A063-0035-03-4Z	3A063-0035-03-4ZZ
3A063-0035-03-6	3A063-0035-03-7
3A063-0035-04-1Z	3A063-0035-04-1ZZ
3A063-0035-04-2Z	3A063-0035-04-2ZZ
3A063-0035-04-3Z	3A063-0035-04-3ZZ
3A063-0035-04-4Z	3A063-0035-04-4ZZ
3A063-0035-04-6	3A063-0035-04-7
3A063-0035-05-1Z	3A063-0035-05-1ZZ
3A063-0035-05-2Z	3A063-0035-05-2ZZ
3A063-0035-05-3Z	3A063-0035-05-3ZZ
3A063-0035-05-4Z	3A063-0035-05-4ZZ
3A063-0035-05-6	3A063-0035-05-7
3A063-0036-01-1Z	3A063-0036-01-1ZZ
3A063-0036-01-2Z	3A063-0036-01-2ZZ
3A063-0036-01-3Z	3A063-0036-01-3ZZ
3A063-0036-01-4Z	3A063-0036-01-4ZZ
3A063-0036-01-6	3A063-0036-01-7
3A063-0036-02-1Z	3A063-0036-02-1ZZ

3A063-0036-02-2Z	3A063-0036-02-2ZZ
3A063-0036-02-3Z	3A063-0036-02-3ZZ
3A063-0036-02-4Z	3A063-0036-02-4ZZ
3A063-0036-02-6	3A063-0036-02-7
3A063-0036-03-1Z	3A063-0036-03-1ZZ
3A063-0036-03-2Z	3A063-0036-03-2ZZ
3A063-0036-03-3Z	3A063-0036-03-3ZZ
3A063-0036-03-4Z	3A063-0036-03-4ZZ
3A063-0036-03-6	3A063-0036-03-7
3A063-0036-04-1Z	3A063-0036-04-1ZZ
3A063-0036-04-2Z	3A063-0036-04-2ZZ
3A063-0036-04-3Z	3A063-0036-04-3ZZ
3A063-0036-04-4Z	3A063-0036-04-4ZZ
3A063-0036-04-6	3A063-0036-04-7
3A063-0036-05-1Z	3A063-0036-05-1ZZ
3A063-0036-05-2Z	3A063-0036-05-2ZZ
3A063-0036-05-3Z	3A063-0036-05-3ZZ
3A063-0036-05-4Z	3A063-0036-05-4ZZ
3A063-0036-05-6	3A063-0036-05-7
3A063-0037-01-1Z	3A063-0037-01-1ZZ
3A063-0037-01-2Z	3A063-0037-01-2ZZ
3A063-0037-01-3Z	3A063-0037-01-3ZZ
3A063-0037-01-4Z	3A063-0037-01-4ZZ
3A063-0037-01-6	3A063-0037-01-7
3A063-0037-02-1Z	3A063-0037-02-1ZZ
3A063-0037-02-2Z	3A063-0037-02-2ZZ
3A063-0037-02-3Z	3A063-0037-02-3ZZ
3A063-0037-02-4Z	3A063-0037-02-4ZZ
3A063-0037-02-6	3A063-0037-02-7
3A063-0037-03-1Z	3A063-0037-03-1ZZ
3A063-0037-03-2Z	3A063-0037-03-2ZZ
3A063-0037-03-3Z	3A063-0037-03-3ZZ
3A063-0037-03-4Z	3A063-0037-03-4ZZ
3A063-0037-03-6	3A063-0037-03-7
3A063-0038-01-1Z	3A063-0038-01-1ZZ
3A063-0038-01-2Z	3A063-0038-01-2ZZ
3A063-0038-01-3Z	3A063-0038-01-3ZZ
3A063-0038-01-4Z	3A063-0038-01-4ZZ
3A063-0038-01-6	3A063-0038-01-7

In Service Part Number Pre SB063-25-17	In Service Part Number Post SB063-25-17
3A063-0079-01-1Z	3A063-0079-01-1ZZ
3A063-0079-01-2Z	3A063-0079-01-2ZZ
3A063-0079-01-3Z	3A063-0079-01-3ZZ
3A063-0079-01-5	3A063-0079-01-5ZZ
3A063-0079-02-1Z	3A063-0079-02-1ZZ
3A063-0079-02-2Z	3A063-0079-02-2ZZ
3A063-0079-02-3Z	3A063-0079-02-3ZZ
3A063-0079-02-5	3A063-0079-02-5ZZ
3A063-0079-03-1Z	3A063-0079-03-1ZZ
3A063-0079-03-2Z	3A063-0079-03-2ZZ
3A063-0079-03-3Z	3A063-0079-03-3ZZ
3A063-0079-03-5	3A063-0079-03-5ZZ
3A063-0079-21-6	3A063-0079-21-7
3A063-0080-01-1Z	3A063-0080-01-1ZZ
3A063-0080-01-2Z	3A063-0080-01-2ZZ
3A063-0080-01-3Z	3A063-0080-01-3ZZ
3A063-0080-01-5	3A063-0080-01-5ZZ
3A063-0080-02-1Z	3A063-0080-02-1ZZ
3A063-0080-02-2Z	3A063-0080-02-2ZZ
3A063-0080-02-3Z	3A063-0080-02-3ZZ
3A063-0080-02-5	3A063-0080-02-5ZZ
3A063-0080-03-1Z	3A063-0080-03-1ZZ
3A063-0080-03-2Z	3A063-0080-03-2ZZ
3A063-0080-03-3Z	3A063-0080-03-2ZZ
3A063-0080-03-5	3A063-0080-03-5ZZ
3A063-0080-21-6	3A063-0080-21-7

In service Part Number Pre SB063-25-18	In service Part Number Post SB063-25-18
3A063-0099-01-1	3A063-0099-01-2
3A063-0100-01-1	3A063-0100-01-2