



Service Information Letter

SIL AD32/AC32-02

Revision: 1.1

TITLE:	Shake-test for Loose Screw
DOCUMENT NUMBER:	SIL AD32/AC32-02
EQUIPMENT:	AD32 RVSM Air Data Display and AC32 Digital Air Data Computer
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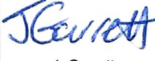




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RECORD OF REVISIONS

Rev.	Date	Reason for Revision	Prepared	Checked	Approved
1.0	03/03/14	Initial Release	C. Bradbury	P. Grichting	K. Gisler
1.1	26/04/21	Service Information Letter reformatted. No changes to the technical content.	 J. Garrett	 O. Diatlova	 A. Savin

SERVICE INFORMATION LETTER

1. Planning Information

A. Effectivity

This Service Information Letter (SIL) is applicable to AD32 RVSM Air Data Displays and AC32 Digital Air Data Computers, as manufactured by THOMMEN AIRCRAFT EQUIPMENT AG, with manufactured dates as shown below:

Unit Type	Date
AD32	Up to, and including MAR 2012
AC32	Up to, and including MAR 2012

B. Concurrent Requirements

None required.

C. Reason

A customer reported a loose object inside an AD/AC32 Air Data Display/Computer during installation in an aircraft. The AD/AC32 was opened, and a nut was found detached from its screw. This screw and nut is one of four that attach the printed circuit boards (PCBs) to the AD/AC32 internal structure.

An in-depth safety analysis was done with the following assessment results:

- SEVERITY LEVEL: nuisance to operating limitations, due to possible use of emergency procedures (minor incident).
- OCCURANCE POSSIBILITY: unlikely, but could possibly occur.

This problem has never been found through numerous years of servicing, repair and modification of the AD/AC32. However, (for safety reasons) a loose article shake-test must be done on the AD/AC32 Air Data Display/Computers manufactured up to and including MAR 2012.

D. Description

This Service Information Letter (SIL) should be done at the next scheduled aircraft servicing (or before, if not in service) and requires:

- The removal of the AD/AC32 Air Data Display/Computer from the aircraft (ref. A/C Maintenance Manual) or its storage place.
- Shaking the AD/AC32 Air Data Display/Computer and listening for a loose object inside.
- If no loose object is heard – make a red coloured paint mark on the rear surface of the AD/AC32 Air Data Display/Computer.
- If a loose object is heard – send the AD/AC32 Air Data Display/Computer to Thommen Aircraft Equipment AG (or an approved service facility) for incorporation of the SB AD32/AC32-03. This SB is free of charge.
- As applicable - install the AD/AC32 Air Data Display/Computer in the aircraft (ref. A/C Maintenance Manual) or return it to its storage place.

E. Compliance Recommendation

Incorporation of this Service Information Letter is optional.

F. Approval

This Service Information Letter does not change the approved configuration and therefore does not require governmental or other regulatory agency approval. The fit, form and function of the AD/AC32 remains the same as before the modification.

G. Manpower

This Service Information Letter takes one man approximately 30 minutes to do the shake-test of the AD/AC32.

H. Weight and Balance

No change to the weight and balance of the AD/AC32.

I. Electrical Load Data

No change to the original configuration.

J. Software Accomplishment Summary

No change to the original configuration.

K. References

Reference	Description
A/C Maintenance Manual (AMM)	Remove / Install AD/AC32 Air Data Display/Computer
SB AD32/AC32-03	Application of Loctite to screws (by TAE or approved service facility)

L. Other Publications Affected

None.

M. Interchangeability of Parts

Not applicable.

2. Material Information

A. Material - Price and Availability

When necessary, the replacement of the AD/AC32 is free of charge when done within 12 months of the SIL initial release date. If a loose object is found, the work must be done by Thommen Aircraft Equipment AG or an approved service facility.

For more information please contact:

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NOTE:

All units subject for modification must be scheduled prior to shipping. Contact THOMMEN AIRCRAFT EQUIPMENT AG for further lead time and delivery schedule.

B. Material Necessary for Each Aircraft/Engine/Component

Reference	Description
Local supply	Red paint

C. Tooling – Price and Availability

Reference	Description
Local supply	Small paint brush

3. Accomplishment Instructions

A. Preparation

The AD/AC32 Air Data Display/Computer must be removed from the aircraft or the storage place.

B. Procedure

- (1) Shake the AD/AC32 Air Data Display/Computer and listen for a loose object inside of it.
- (2) Loose object not heard - make a red coloured paint mark on the rear surface of the AD/AC32 Air Data Display/Computer.
- (3) Loose object heard – send the AD/AC32 Air Data Display/Computer to Thommen Aircraft Equipment AG (or an approved service facility) for incorporation of the Service Bulletin, SB AD32/AC32-03.

C. Close-up

As applicable:

- Install the serviceable AD/AC32 Air Data Display/Computer in the aircraft (ref. A/C Maintenance Manual).
- Put the AD/AC32 into its plastic bag and storage container (with a sachet of activated silica-gel crystals) and return it to the storage place.

D. Identification

If a different AD/AC32 Air Data Display/Computer is installed in the aircraft, make a record in the aircraft technical history.