

<b>TITLE:</b>	Shake-test for Loose Screw
<b>DOCUMENT NUMBER:</b>	SIL AD32/AC32-04
<b>EQUIPMENT:</b>	AD30 / AD32 Air Data Display and AC32 Digital Air Data Computer
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# Service Information Letter

SIL AD32/AC32-04

Revision: 1.1

## RECORD OF REVISIONS

Rev.	Date	Reason for Revision	Prepared	Checked	Approved
1.0	07/07/14	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 AD30/AD32 Air Data Displays and AC32 Digital Air Data Computers, as manufactured by THOMMEN AIRCRAFT EQUIPMENT AG, with serial numbers as shown below:

Unit Type	Serial Number
AD30.XX.XX.XX.XX	From S/N 1031982 to S/N 1034123
AD32.YY.YY.YY.YY	From S/N 1025202 to S/N 1065511
AC32.ZZ.ZZ.ZZ.ZZ	From S/N 1030880 to S/N 1065175

Excluding AD32 units of the type and serial numbers as shown below:

Unit Type	Serial Number
AD32.32.53F.28.1.DA	From S/N 1064088 to S/N 1064108
	From S/N 1064227 to S/N 1064245

##### B. Concurrent Requirements

None required.

##### C. Reason

A customer reported a loose object inside an AD32 Air Data Display. The AD32 was opened, and a screw was found detached.

##### D. Description

Loctite 243 will be applied to all attachment screws of the AD30/AD32/AC32 units with the serial numbers given in paragraph 1A - Effectivity. These units will then be tested, released for in-service use and returned to the applicable customer.

##### E. Compliance Recommendation

Incorporation of this Service Information Letter is optional.

##### F. Approval

This Service Information Letter is a product improvement and does not change the approved configuration, and therefore does not require governmental or other regulatory agency approval. The fit, form and function of the AD30/AD32/AC32 remains the same as before the modification.

##### G. Manpower

The implementation of this Service Information Letter takes approximately six hours at Thommen Aircraft Equipment AG, or at an approved service facility.

##### H. Weight and Balance

No change.

##### I. Electrical Load Data

No change to the original configuration.

J. Software Accomplishment Summary

No change to the original configuration.

K. References

Reference	Description
Aircraft Maintenance Manual (AMM)	Remove / Install the AD30/AD32 Air Data Display or the AC32 Air Data Computer

L. Other Publications Affected

None.

M. Interchangeability of Parts

Not applicable.

## 2. Material Information

### A. Material - Price and Availability

The improvement to the AD30/AD32/AC32 is free of charge if a loose object is found inside the unit or sent to a service facility for a repair that is unrelated to this SIL, otherwise a cost of SFr 650 will apply.

This work must be done by Thommen Aircraft Equipment AG or an approved service facility.

For more information please contact:

THOMMEN AIRCRAFT EQUIPMENT AG

Technical Support Department

Hofackerstrasse 48

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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

None.

### C. Tooling – Price and Availability

Not applicable.

### 3. Accomplishment Instructions

#### A. Preparation

Get access to the AD30/AD32/AC32 in the aircraft/rotorcraft (ref. AMM).

#### B. Procedure

(1) If necessary, remove the AD30/AD32/AC32 from the aircraft/rotorcraft (ref. AMM).

**NOTE:**

Only disconnect the AD30/AD32/AC32 if absolutely necessary, because of the cable length.

(2) Gently shake the AD30/AD32/AC32 and listen for a loose object inside of it.

(3) If a loose object is heard, send the AD30/AD32/AC32 to Thommen Aircraft Equipment AG or an approved service facility for the necessary repair.

#### C. Close-up

As applicable, after return of the AD30/AD32/AC32 to the customer:

- Install the serviceable AD30/AD32/AC32 in the aircraft (ref. AMM).
- Put the AD30/AD32/AC32 into its plastic bag and storage container (with a sachet of activated silica-gel crystals) and return it to the storage place together with its airworthiness paperwork.

#### D. Identification

Make a record in the aircraft technical history if an AD30/AD32/AC32 is installed in the aircraft/rotorcraft with this SIL implemented.