

TITLE:	Software update for AD32 RVSM Air Data Display
DOCUMENT NUMBER:	SB AD32/03
EQUIPMENT:	AD32 RVSM Air Data Display
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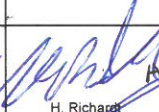
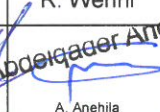


Service Bulletin

SB AD32/03

Revision: 1.1

RECORD OF REVISIONS

Rev.	Date	Reason for Revision	Prepared	Checked	Approved
1.0	25/06/08	Initial Release	T. Freedman		R. Wehrli
1.1	12/11/18	Document reformatted and updated from Revue Thommen AG to Thommen Aircraft Equipment AG.	 J. Garrett	 H. Richard	 A. Anehila

SERVICE BULLETIN

1. Planning Information

A. Effectivity

The modification procedure described in this service bulletin applies to AD32.32.53F.28.1.BN RVSM Air Data Display flight instrument.

B. Concurrent Requirements

None required.

C. Reason

This document is issued to provide information about the software changes on the AD32 RVSM Air Data Display.

The calculated barometric corrected altitude deviation was dependent on barometric setting and altitude.

D. Description

This Service Bulletin includes the following software modification to be accomplished on the AD32: Calculation of barometric corrected altitude was improved.

Software modification depends on the configuration of the unit individual execution.

E. Compliance Recommendation

Incorporating of this Service Bulletin to AD32 RVSM Air Data Display is optional based on the individual operator or industry.

F. Approval

The AD32 RVSM Air Data Display conforms to b TSO-C106, TSO-C88a, and TSO-C10b.

This Service Bulletin contains no modification information that revises the approved configuration and therefore does not require any implementation of governmental or other regulatory agency approval.

G. Manpower

This modification can be installed by THOMMEN AIRCRAFT EQUIPMENT AG or its approved service centers in their production department.

H. Weight and Balance

Not affected.

I. Electrical Load Data

Not affected.

J. Software Accomplishment Summary

Refer to paragraphs 1C and 1D (Planning Information, Reason and Description).

K. References

None

L. Other Publications Affected

None

M. Interchangeability of Parts

Not applicable.

2. Material Information

A. Material - Price and Availability

The software parts/materials required for these modifications are procured and performed by THOMMEN AIRCRAFT EQUIPMENT AG or its approved service centers.

Installation of this service bulletin is subject to no special pricing.

For more information please contact:

THOMMEN AIRCRAFT EQUIPMENT AG

Technical Support Department

Hofackerstrasse 48

CH-4132 Muttenz

Switzerland

Tel: +41 (0)61 965 22 22

Fax: +41 (0)61 965 22 88

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. Tooling - Price and Availability

No special tools are required.



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3. Accomplishment Instructions

The modification procedure can be accomplished by THOMMEN AIRCRAFT EQUIPMENT AG or its approved service centers in their production department.

A. Preparation

Remove the two identification plates and clean the casing of the AD32.

B. Procedure

Update the software to version 2.50 and the configuration ID to 9125.

Attach two new identification plates (with THOMMEN AIRCRAFT EQUIPMENT AG name and logo).

The AD32 RVSM Air Data Display identification plates are attached to the instrument case externally (see Figures 1 and 2). The MOD columns identify the modification status.

The TSO nameplate identifies the LRU by part number and config ID number.

THOMMEN AIRCRAFT EQUIPMENT AG					
AIR DATA DISPLAY WITH ENCODING OUTPUT					
CERTIFIED TSO-C10b, TSO-C88a, TSO-C106			WT 1250 gm (2.75 lbs)		
RTCA/DO-160D / DO-178B LEVEL A					
PART/TYPE NO AD32.32.53F.28.1.BN			CONFIG ID 9125		
SER NO xxxxxxxx			PWR SUPPLY 28 VDC		
RANGES -1'000 ... 53'000 FEET			LIGHTING SUPPLY 28 VDC		
0/40 ... 450 KNOTS					
0.200 ... 0.900 MACH			MFR DATE month / year		
SWISS MADE		PHONE +41 61 965 22 22		info@thommenag.ch	

Figure 1 - TSO Nameplate

The status label shows the LRU's HW/SW version and MOD status.

THOMMEN AIRCRAFT EQUIPMENT AG																		
HW version 2.01																		
SW version 2.50																		
MOD	HW	<input checked="" type="checkbox"/>	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
	SW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	C	D	E	F	G	H	I	J	K	L	M	N	P	R	S
SWISS MADE		PHONE +41 61 965 22 22		info@thommenag.ch														

Figure 2 - Status Label

C. Close Up

Make sure that the two identification plates are firmly attached to the casing of the AD32.

Do the acceptance test in accordance with the TCL for configuration ID 9125.

All testing will be carried out by THOMMEN AIRCRAFT EQUIPMENT AG or its approved service centers in their production department.



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