




TITLE:	Configuration Update to MOD02C
DOCUMENT NUMBER:	SB AD32/02
EQUIPMENT:	AD32 Air Data Display
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RECORD OF REVISIONS

Rev.	Date	Reason for Revision	Prepared	Checked	Approved
1.0	25/01/05	Initial Release	-	-	-
1.1	11/03/05	Modification status changed from MOD01C to MOD02C. Hardware Modification description added.	-	-	-
1.2	26/04/21	Service Bulletin reformatted. No changes to the technical content.	 J. Garrett	 O. Diatlova	 A. Savin

SERVICE BULLETIN

1. Planning Information

A. Effectivity

The modification MOD02C described in this service bulletin applies to AD32 Air Data Display flight instrument. This MOD02C minor modification is not mandatory.

The MOD02C is applicable to the AD32 Air Data Display with part numbers and configuration IDs as shown below:

Part Number	Configuration ID
AD32.32.53F.28.1.RA	9031
AD32.32.53F.05.1.RB	9051
AD32.32.53F.05.1.RB	9053
AD32.42.53F.05.1.RB	9053
AD32.42.53F.05.1.RC	9041
AD32.32.53F.28.1.RE	9110

B. Concurrent Requirements

The MOD02C modification status is required to carry out hardware modification on the lighting module of the AD3x.(.) and the upload of the configuration files on AD32 Air Data Display with part numbers as shown above.

C. Reason

This document is issued to provide information for AD32 Air Data Displays, with part numbers as shown above, to be modified to MOD status MOD02C.

D. Description

This Service Bulletin includes the following modification to be accomplished on AD32 Air Data Display on the part numbers shown above.

Software Configuration to MOD Status MOD02C

The software configuration upgrade will be carried out to accomplish the modification to MOD02C. Software modification depends on the configuration of the unit's individual execution.

The MOD02C is done on the LCD backlighting of the AD32 Air Data Display to increase the backlight intensity at daylight conditions by changing/modifying the lighting curve.

Hardware Modification to MOD Status MOD02C

The hardware modification will be carried out in order to accomplish the modification to MOD02C. This hardware modification will require a change of resistors on the lighting module of the AD3x.(.) Air Data Display to increase the backlight intensity in daylight conditions.

E. Compliance Recommendation

Incorporation of this Service Bulletin on AD32 Air Data Display is optional, based on the individual operator or industry.

F. Approval

The AD32 Air Data Display conforms to 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 done by THOMMEN AIRCRAFT EQUIPMENT AG or its approved service centres.

H. Weight and Balance

Not affected.

I. Electrical Load Data

Electrical load data is changed by these modifications by +0.5 watts.

J. Software Accomplishment Summary

Refer to paragraph 1C, Reason (for the software accomplishment).

K. References

None.

L. Other Publications Affected

None.

M. Interchangeability of Parts

Not applicable.

2. Material Information

A. Material - Price and Availability

The updated configuration files and resistors required for this MOD02C modification are procured and performed by THOMMEN AIRCRAFT EQUIPMENT AG or its approved service centres.

Installation of this Service Bulletin is subject to no special pricing.

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. Tooling - Price and Availability

No special tools are required.



Service Bulletin

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Revision: 1.2

3. Accomplishment Instructions

A. Procedure

The modification procedure shall be accomplished by THOMMEN AIRCRAFT EQUIPMENT AG or its approved service centres.

B. Testing

The testing shall be accomplished by THOMMEN AIRCRAFT EQUIPMENT AG or its approved service centres.

Additional verification of software version (optional)

Software version remains unchanged.

C. Modification Status Marking

The identification plate for the AD32 Air Data Display is attached externally to the instrument housing. The MOD columns identify the modification status.

An example of an identification plate for the AD32 Air Data Display is shown below (with former company name and address):

REVUE THOMMEN AG											
CH-4437 WALDENBURG											
AIR DATA DISPLAY											
CERTIFIED TSO-C10b / TSO-C106 / TSO-C88a		PWR SUPPLY 28 VDC									
RTCA / DO-178B LEVEL A / DO-160D											
PART/TYPE NO AD32.XX.XX.XX.X.XX		CONFIGURATION ID XXXX									
SER NO 0000000	MOD	00	01	02	03	04	05	06	07	08	09
RANGES		A	B	C	D	E	F	G	H	I	J
-1000...53000 FEET		WT 1250 gm (2.75 lbs)									
0/40...450 KNOTS		MFR DATE month / year									
0.200 ... 0.999 MACH											
SWISS MADE	PHONE + 41 61 965 22 22		info@thommenag.ch								

Figure 1 - AD32 Air Data Display Identification Plate