TITLE:	Altitude Alerter Function Removal
DOCUMENT NUMBER:	AD32-SIL-001
EQUIPMENT:	AD32 RVSM Air Data Display

RECORD OF REVISIONS

Rev.	Date	Reason for Revision	Prepared	Checked	Approved
1.0	22/07/04	Initial Release	-	-	-
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

The internal altitude alerter function removal procedure described in this Service Information Letter (SIL) is applicable to AD32 RVSM Air Data Displays with part numbers and serial numbers as shown below:

Part Number	Serial Number
AD32.32.53F.05.1.RA	1025218
AD32.32.53F.05.1.RB	1025202 1025203 1025204 1025206 1030434

B. Concurrent Requirements

None required.

C. Reason

This document is issued to provide information about hardware and software changes for the removal of altitude alerter function.

Hardware Changes:

To accomplish the removal of altitude alerter function internally from the AD32 RVSM Air Data Display, the altitude alerter knob and its mechanism must be removed, and the bezel, dial and display must be changed.

The table below gives the details of the components to be removed and installed for the AD32 RVSM Air Data Display with P/N AD32.32.53F.05.1.RA and P/N AD32.32.53F.05.1.RB.

Part Name	Removed Part Number	Installed Part Number
Altitude Alerter Knob	21.16238.14	Not Applicable
Altitude Alerter Mechanism	21.16228.13	Not Applicable
O-Ring	35.526.088	Not Applicable
Screw	21.15951.14	Not Applicable
Pin	35.118.280	Not Applicable
Bezel	21.16554.23	21.16554.63
Dial	21.150932.24	21.17119.24

Software Changes:

The software must be changed for removal of the altitude alerter function internally for all the AD32 Air Data Display instruments with part numbers and serial numbers referenced in section 1, part A (Effectivity), but the configuration ID of all these instruments will remain unchanged.

For the use of alerter function from external power (28 VDC) source, the alerter lamp on AD32 Air Data Display remains.

NOTE:
This software change will be done at the THOMMEN AIRCRAFT EQUIPMENT AG facility.

D. Description

In accordance with a customer request, the internal altitude alerter function will be removed, and to accomplish this, different components from the instrument must be either removed or changed.

The altitude alerter knob will be completely removed and, as the removal of the knob will leave a hole in the bezel of the instrument, the bezel must be changed.

On the display, ALERT will be removed by software configuration and there will be a new dial without SEL ALT printed on it.

Below are illustrations of the AD32 RVSM Air Data Display, before and after the removal of internal altitude alerter function.

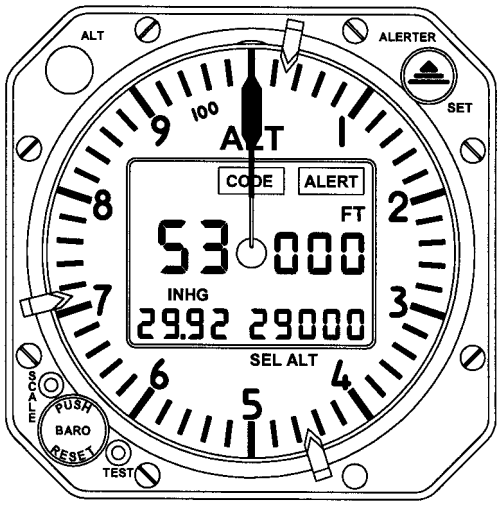

Figure 1 - Before Internal Altitude Alerter Function Removal

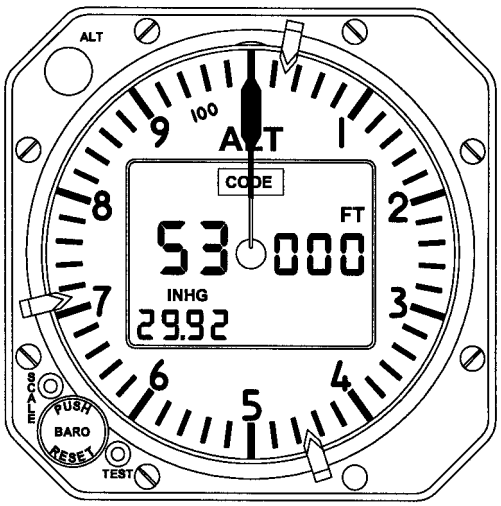

Figure 2 - After Internal Altitude Alerter Function Removal

E. Compliance Recommendation

Incorporation of this Service Information Letter is optional.

F. Approval

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

This Service Information Letter (SIL) contains no modification information that revises the approved configuration and therefore does not require governmental or other regulatory agency approval.

G. Manpower

This modification can only be done by THOMMEN AIRCRAFT EQUIPMENT AG.

H. Weight and Balance

The weight of the instrument will reduce by 50g (0.11023 lbs). The balance is not affected.

I. Electrical Load Data

The change to the electrical load data is negligible.

J. Software Accomplishment Summary

Refer to section 1, part C (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 hardware and software parts/materials required for this modification are provided by THOMMEN AIRCRAFT EQUIPMENT AG.

Installation of this SIL is subject to no special pricing.

For more information please contact:

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CH-4132 Muttenz
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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.

3. Accomplishment Instructions

A. Procedure

The change procedures are accomplished by THOMMEN AIRCRAFT EQUIPMENT AG in their production department.

B. Testing

Testing will be performed by THOMMEN AIRCRAFT EQUIPMENT AG.

C. Modification Status Marking

The AD32 RVSM Air Data Display identification plate is attached externally to the instrument housing and will remain unchanged.

An example of an identification plate of the AD32 RVSM Air Data Display instrument is shown below:

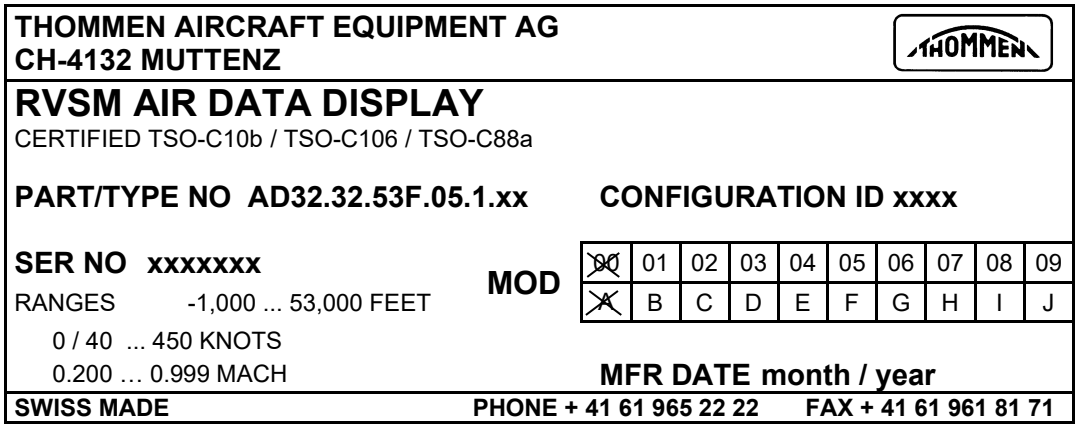

Figure 3 – AD32 RVSM Air Data Display Identification Plate

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