

TITLE:	Hardware Version 2.20 to 2.21 – Resistor Change on ARINC Module
DOCUMENT NUMBER:	SB AC32/04
EQUIPMENT:	AC32 Digital Air Data Computer
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Service Bulletin

SB AC32/04

Revision: 1.1

RECORD OF REVISIONS

Rev.	Date	Reason for Revision	Prepared	Checked	Approved
1.0	02/12/10	Initial Release	R. Wehri	-	K. Gisler
1.1	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 procedure described in this Service Bulletin applies to the AC32 Digital Air Data Computer, P/N **AC32.10.21.11.AN**.

B. Concurrent Requirements

None required.

C. Reason

The ARINC bus load for 16 receivers with highspeed mode is not possible because SBIT 'ARINC bus short circuit detection' goes in critical error.

D. Description

The level for the SBIT 'ARINC bus short circuit detection' is adjusted by changing resistors on the ARINC module. This is a minor HW change from HW version 2.20 to HW version 2.21.

E. Compliance Recommendation

Incorporation of this Service Bulletin is optional.

F. Approval

The AC32 Digital Air Data Computer, P/N **AC32.10.21.11.AN**, 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

Not changed.

J. Software Accomplishment Summary

Not applicable.

K. References

None.

L. Other Publications Affected

None.

M. Interchangeability of Parts

Not applicable.

2. Material Information

A. Material - Price and Availability

The hardware parts/materials required for this modification are procured 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:

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.

3. Accomplishment Instructions

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

A. Procedure

The modification procedure shall be in accordance with the assembly instructions document, MA 239.

B. Testing


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

C. Modification Status Marking


Identification plates are attached externally to the instrument housing.

The MOD column will identify the modification status MOD01A and HW version 2.21.

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

THOMMEN AIRCRAFT EQUIPMENT AG CH-4132 MUTTENZ		
DIGITAL AIR DATA COMPUTER		
CERTIFIED TSO-C88a, TSO-C106		WT 1000 GM (2.20 LBS)
RTCA/DO-160D [D2]BBB[(TB1)(TR)]/[(SL)(SM)]/[(UG)]XWFDZSZZAZZ[YY]M[A3J33]XAA RTCA/DO-178B LEVEL A		
PART/TYPE NO	AC32.10.21.11.AN	CONFIG ID 5024
SER NO	XXXXXXX	
RANGES	-1'000 ... 53'000 FEET	PWR 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@thommen.aero

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

THOMMEN AIRCRAFT EQUIPMENT AG CH-4132 MUTTENZ																																						
HW version	2.21																																					
SW version	2.41																																					
MOD	<table border="1"> <tr> <td>HW</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>02</td> <td>03</td> <td>04</td> <td>05</td> <td>06</td> <td>07</td> <td>08</td> <td>09</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> </tr> <tr> <td>SW</td> <td><input checked="" type="checkbox"/></td> <td>B</td> <td>C</td> <td>D</td> <td>E</td> <td>F</td> <td>G</td> <td>H</td> <td>I</td> <td>J</td> <td>K</td> <td>L</td> <td>M</td> <td>N</td> <td>P</td> <td>R</td> <td>S</td> </tr> </table>	HW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	SW	<input checked="" type="checkbox"/>	B	C	D	E	F	G	H	I	J	K	L	M	N	P	R	S	
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