

MANDATORY SERVICE BULLETIN

MSB 40NG-016/2

supersedes MSB 40NG-016/1

I TECHNICAL DETAILS

I.1 Category

Mandatory.

I.2 Airplanes affected

Type: DA 40 NG

Serial numbers: 40.N001 through 40.N087

Airplanes converted to DA 40 NG via OSB D4-080 using WI-OSB-D4-080 up to Revision 6

I.3 Date of effectivity

21-Sep-2012

I.4 Time of Compliance

Action 1: Prior next flight after the date of effectivity.

Action 2: Within the next 9 month after the date of effectivity.

I.5 Subject

Correction of Airspeed Indicator (ASI) markings.

ATA-Code: 34-10

I.6 Reason

It has been noticed that the airspeed indicator (ASI) markings of the DA 40 NG have been wrongly applied. The lower ends of the green and white arc are incorrect.

The stall speed values as published in the AFM chapter 5 are correct. The stall warning system is not affected and works correct.

The markings of the ASI will be corrected through an update of the Garmin Software (currently under certification) and correction of markings of conventional ASI-instruments. As an immediate action to make pilots aware, a temporary placard has to be installed in the cockpit.

I.7 Concurrent Documents

None.

I.8 Approval

The technical content of this document has been approved under the authority of DOA ref. EASA.21J.052.

I.9 Accomplishments / Instructions

Action 1:

| | |
|---|--|
| 1 | <p>Print page 4 or 5 on self-adhesive paper (or equivalent), cut out placard and install the placard in the cockpit per Appendix 1.</p> <p>Note: This action can be accomplished by the owner/pilot himself and shall be confirmed with reference to this MSB and Action No 1 in an airplane logbook entry.</p> <p>Placard G1000 Configurations:</p> <div style="border: 1px solid black; background-color: black; color: white; padding: 5px; width: fit-content; margin: 10px auto;"> <p>Correction for ASI markings (G1000 and STBY)</p> <p>Lower green range = 66 KIAS</p> <p>Lower white range = 60 KIAS</p> <p style="text-align: right; font-size: small;">MSB 40NG-016</p> </div> <p>Placard Conventional Cockpit Configuration:</p> <div style="border: 1px solid black; background-color: black; color: white; padding: 5px; width: fit-content; margin: 10px auto;"> <p>Correction for ASI markings:</p> <p>Lower green range = 66 KIAS</p> <p>Lower white range = 60 KIAS</p> <p style="text-align: right; font-size: small;">MSB 40NG-016</p> </div> |
|---|--|

Action 2:

| | |
|---|---|
| 1 | Remove placard installed under action 1 |
| 2 | G1000 airplanes only: Install approved Garmin Software per MSB 40NG-003/5 or higher. Note: MSB 40NG-003/5 will be released after publication of this MSB. |
| 3 | Insert AFM TR-MÄM-40-618 into the AFM or use a revision of the AFM where AFM TR-MÄM-40-618 has been incorporated. |
| 4 | Have the Standby-ASI (G1000 airplanes) and all conventional ASIs re-marked in accordance with the information given in the AFM-TR-MÄM-40-618 and accordingly re-labeled in an appropriately approved shop. <ul style="list-style-type: none"> - Remove and install instruments per AMM |
| 5 | Clean working areas, check for foreign objects. |
| 6 | Check all altered, replaced, repaired parts for proper function. |
| 7 | Test all systems in working area for function. |
| 8 | Make all necessary entries in the airplane logs. |

I.10 Mass (Weight) and CG

None.

II PLANNING INFORMATION

II.1 Material and Availability

None.

II.2 Special Tools

None.

II.3 Labour Effort

Action 1: Approx. 0.5 hours.

Action 2: Approx. 1 hour.

II.4 Credit

Action 1: None.

Action 2: 1h of labor, G1000 S/W and reworked exchange ASIs if original ASIs are provided to DAI.

II.5 Reference Documents

DA 40 NG Airplane Maintenance Manual, Doc. No. 6.01.15, latest effective issue.

III REMARKS

1. All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
2. All work, particular those that are not especially described in this Service Bulletin, must be done in accordance with the referenced Maintenance Manual.
3. Completion of all work must be recorded in the log book.
4. If material and/or labor hours are subject to be credited through Diamond Aircraft Industries, the Service Bulletin must be carried out by an authorized Diamond Service Center and the Warranty Application incl. Work Report must be sent not later than 30 days after the end of time of compliance.
5. In case of doubt contact Diamond Aircraft Industries GmbH.
6. An exchange program for ASIs will be organized by the DAI After Sales Support. Please contact our Spare Parts Department via spareparts@diamond-air.at.

Appendix 1

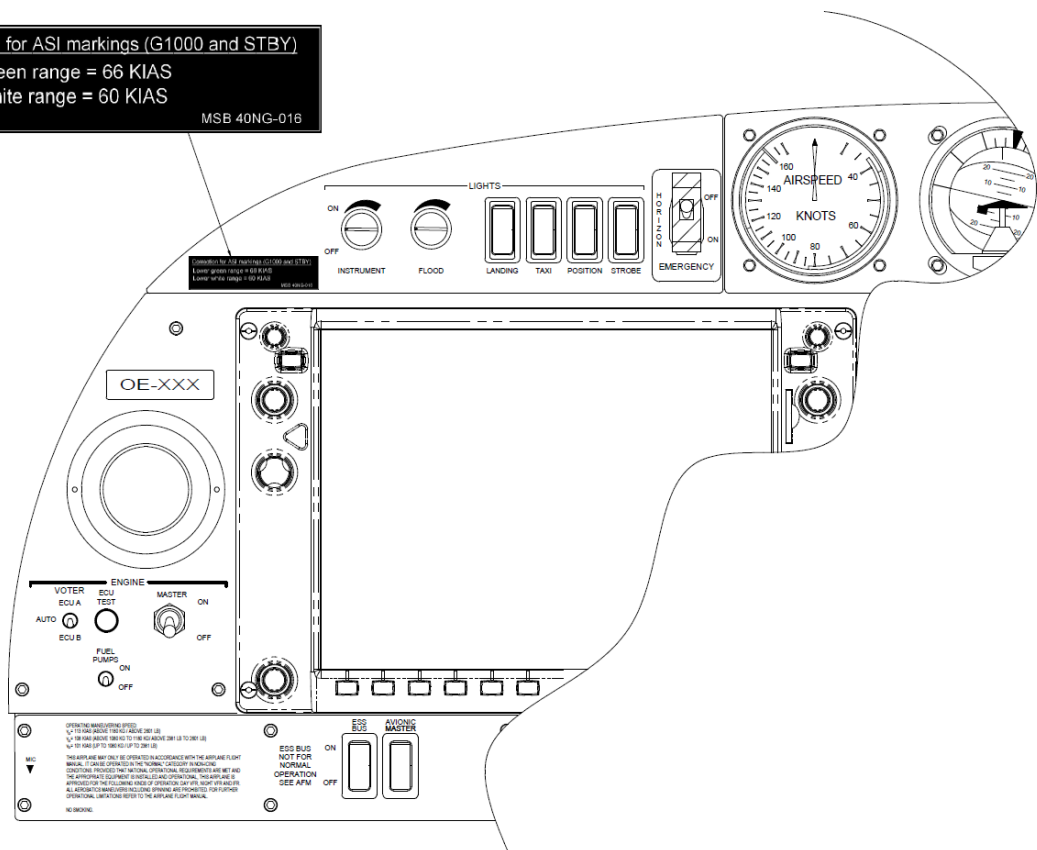
G1000 equipped airplanes:

Placard (Size 15 mm x 60 mm / 0.6 inch x 2.4 inch):

Correction for ASI markings (G1000 and STBY)
 Lower green range = 66 KIAS
 Lower white range = 60 KIAS
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Location:

Correction for ASI markings (G1000 and STBY)
 Lower green range = 66 KIAS
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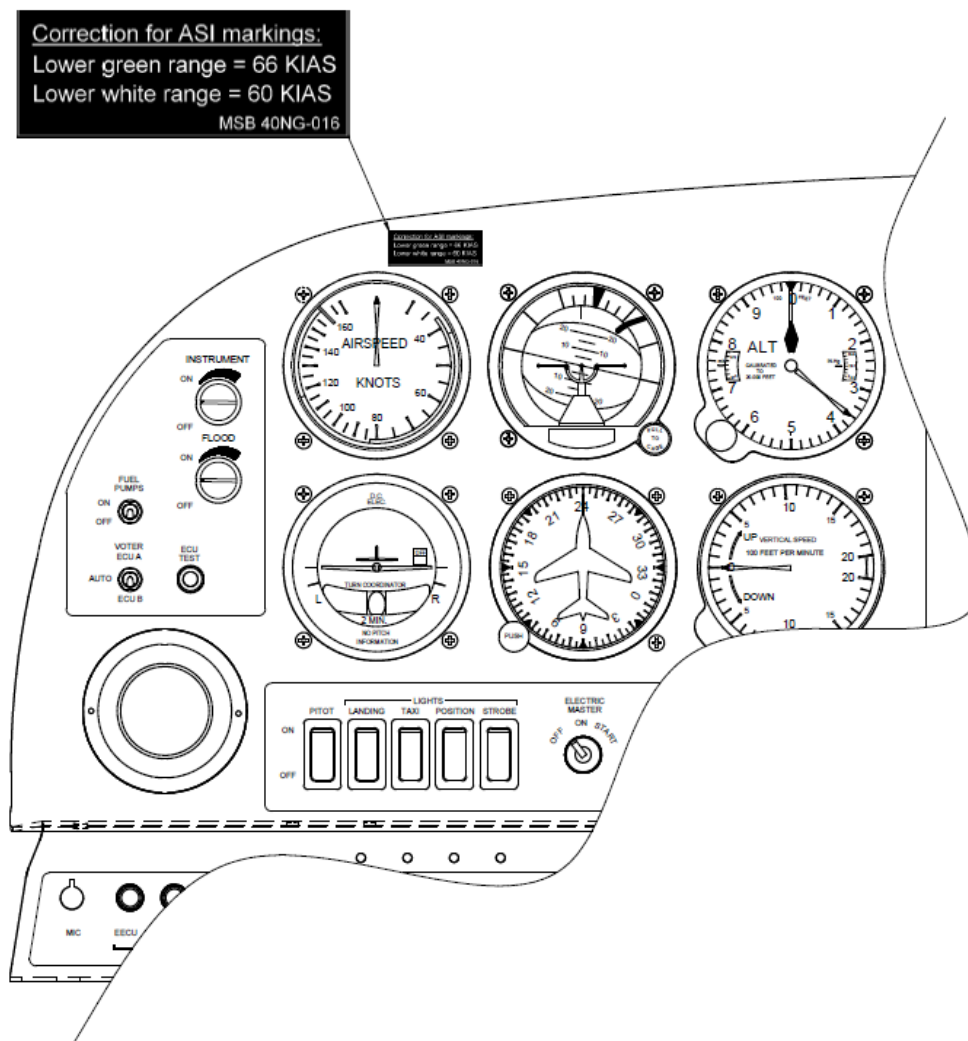


Airplanes with conventional cockpit:

Placard (Size 15 mm x 40 mm / 0.6 inch x 1.6 inch):

Correction for ASI markings:
Lower green range = 66 KIAS
Lower white range = 60 KIAS
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Location:



**EXECUTION REPORT TO
SERVICE BULLETIN
MSB 40NG-016****Action 1** *)**Action 2** *)

AIRPLANE DATA

Airplane Serial Number _____

Airplane Registration _____

Airplane Operator _____

Hours of operation of airplane _____

No. of landings _____

Hours of operation-engine _____

Typical operation of airplane private, club, training, other _____

Date, Name, SignPlease fax the completed form to Fax No. +43-2622-26700-1369 or e-mail to
airworthiness@diamond-air.at

*) Please tick for accomplished action.