

MANDATORY SERVICE BULLETIN MSB 40NG-015/1

SUPERSEDES MSB 40NG-015

I TECHNICAL DETAILS

I.1 Category

Mandatory.

I.2 Airplanes affected

Type: DA 40 NG

Serial numbers: 40.N001 through 40.N070

Airplanes converted to DA 40 NG via OSB D4-080

I.3 Date of effectivity

21-Feb-2013

I.4 Time of Compliance

Within 200 flight hours, but not later than 31-Dez-2013.

I.5 Subject

Installation of a rudder cable guard.

ATA-Code: 27-20

I.6 Reason

During Maintenance it was discovered that the EECU attachment screws can possible catch the rudder cable, if the pilot's left rudder pedal is pulled back by hand completely and released. If not discovered and corrected this could lead to limited rudder authority and increased pilot work load.

I.7 Concurrent Documents


None.

I.8 Approval

The technical information or instructions contained in this document relate to the Design Change Advisory No. MÄM 40-592, which has been approved under the authority of EASA Design Organization Approval ref. EASA.21J.052.

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

I.9 Accomplishments / Instructions

1	Remove Pilot Seat i.a.w. AMM Section 25-10.
2	Examine rudder cable for damage and chafing marks. Replace, if necessary.
3	<p>Install EECU Shim sheet D44-5335-92-01 i.a.w. drawing D44-5330-10-00.</p> <p>Make sure the gap between the EECU Shim Sheet and the floor structure is less than 1 mm.</p> 
4	Install Pilot Seat i.a.w. AMM Section 25-10.
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

Quantity	Part Number	Description
1	D44-5335-92-01	EECU Shim Sheet

Material is available from Diamond Aircraft Industries.

II.2 Special Tools

None.

II.3 Labour Effort

Approx. 0.5 hours.

II.4 Credit

For all AC within warranty period, 0.5 hours of labour and material listed in II.1.

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.

**EXECUTION REPORT TO
SERVICE BULLETIN
MSB 40NG-015/1**

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, Sign

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

REVISION

REV	SH	ZONE	DESCRIPTION	DATE	APPROVAL
-	-	ALL	VÄM 40-004 FIRST RELEASE	29-JAN-2010	M.VOLCK
A	01	ALL	MÄM 40-421 POS OF EECU CORRECTED (ROTATED).	15-APR-2010	M.VOLCK
B	01	BOM E5	MÄM 40-592 BOM REARRANGED ITEM 1 ADDED	17-APR-2012	SEE TB

GENERAL NOTES

- DIMENSIONS AND TOLERANCES TO BE INTERPRETED IN ACCORDANCE TO ASME Y14.5M
- INSTALLATION OF NUTS AND BOLTS PER DP-S-14-00002
- TIGHTENING OF SCREWS AND NUTS PER DP-S-14-00007

FLAG NOTES

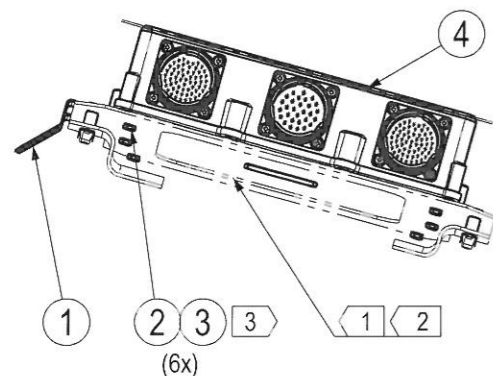
- EECU MOUNTING BRACKET D44-5330-91-00 IS SHOWN ON DRAWING D44-5310-00-00
- REMOVE EECU MOUNTING PLATE FROM BRACKETS AND JOIN WITH ITEM 1, 2 AND 3 FIRST
- SECURE TO ITEM 3 WITH ADHESIVES PER DP-S-14-00005

SEE DETAIL A1-1

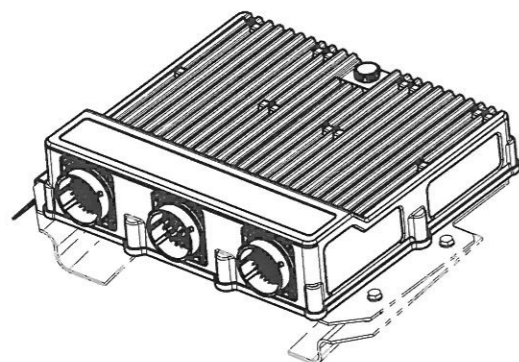
FS 2000

FD

FWD SPAR BRIDGE



VIEW A1-1



ISOMETRIC VIEW
N.T.S.
FOR REFERENCE ONLY

ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL TYPE	H.T.	MATERIAL SIZE	SPECIFICATION	REMARK
4	1	E4A-92-100-000	EECU					
3	6	LN 9037 - 04 012	SCREW, HEX HEAD REDUCED SHAFT	1.7220.5				
2	6	LN 9025-0405K	WASHER	1.7734.5				
1	1	D44-5335-92-01	EECU SHIM SHEET	EN AW 5754 (3.3535) H22				

DIMENSIONS METRIC		IDENTIFICATION MARKINGS DE-S-10-00003				Diamond Aircraft Industries N. A. Otto-Straße 5 A-2700 Wiener Neustadt	
FIRST ANGLE PROJECTION 	FORMAT A3	CLASSIFICATION: NONE		DEPARTMENT DRAWN: B.LAUTNER	SIGN <i>B.Lautner</i>	DATE 12-JUN-2012	PROJECT DA 40 NG
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM		INTERCHANGEABLE PART NO		CHECKED: R.JOHN	SIGN <i>R.John</i>	DATE 12-JUN-2012	TITLE EECU INSTALLATION
DIMENSION TOLERANCES 2 DECIMAL ±0.25 1 DECIMAL ±0.5 DECIMAL ±1 ANGLE ±1° RAD ±0.5		THIS DRAWING WAS PRODUCED USING SOFTWARE: CATIA		QA: N/A			DWG.ORIG. DAIA DWG.NO. D44-5330-10-00
FINISH IN MICRO-METER FILENAME D44-5330-10-00B.CATProduct		SYSTEM: M.VOLCK		APPROVED: C.BURGER	SIGN <i>C.Burger</i>	DATE 12. JUNI 2012	REV B
				CODE 710197	SCALE N.T.S.	SH 01 OF 01	