Diamond Aircraft Industries GmbH
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08-May-2023

MANDATORY SERVICE BULLETIN

MSB 20E-002/4

supersedes MSB 20E-002/3

I TECHNICAL DETAILS

I.1 Category

Mandatory.

I.2 Airplanes affected

Type: DV 20 E

Serial Numbers: 20.E001 and subsequent

I.3 Time of Compliance

At next scheduled 100 hours inspection from the issue date of this SB.

NOTE: Prior compliance with MSB 20E-002 through MSB 20E-002/3 does not constitute compliance with this MSB.

I.4 Subject

Software for the Engine, EMU and Avionic Systems.

I.5 Reason

Summary of approved software versions for the Engine, EMU and Avionic Systems.

I.6 Concurrent Documents

None.

I.7 Approval

The technical information or instructions contained in this document relate to the Design Change Advisories No. VÄM 20-002, MÄM 20-426, MÄM 20-434 and MÄM 20-436 which have been approved by EASA or 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.8 Accomplishment/Instructions

Compare installed software version with the version stated in this section of the service bulletin.

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If installed software version is not listed in the table below, update the software to an approved version.
An update to a later approved software version may be done on any aircraft.

I.8.1 Engine

Engine Model	ECU P/N	Software	Remarks
Rotax 912 iSc3 Sport	665568	864082 (811-6566-130)	

CAUTION: Regardless of the information given by the engine manufacturer, only the listed software is approved for use in the DV 20 E.

Note: The ECU software version can be found in the CAN-Bus data files that are stored on the SD-Card by the EMU.

I.8.2 EMU 912 iS evo

Model	P/N	Software Version	Remarks
EMU 912 iS evo	EMU 912 iS	2.0D	

CAUTION: Regardless of the information given by the EMU manufacturer, only the listed software is approved for use in the DV 20 E.

I.8.3 Avionic Systems

The avionic software listed in this section describes the minimum required software status. The list may be amended by later software versions approved by Garmin.

Note: For later approved software refer to Garmin service literature.

I.8.3.1 Garmin G500

Software Part Number	Software Version	Function
006-B1071-4E	6.21	GDU 620 Display
006-B0223-24	3.04	GRS 77 AHRS
006-B0261-19	3.09	GDC 74 ADC
006-B0224-00	2.01	GMU 44 Magnetometer
006-D0159-02, or 006-D0159-03	2010.00 (valid until 31-Dec-2016), or 2015.00	GRS77 AVTN DB IGRF

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I.8.3.2 Garmin GTN 650

Software Version	Function
5.13	Main Software Version
5.0	GPS/WAAS
6.02	NAV
2.13	COM

I.9 Mass (Weight) and CG

n. a.

II PLANNING INFORMATION

II.1 Material & Availability

Engine software and concurrent documents are available through your BRP Powertrain distributor.
EMU software is available through Diamond Aircraft Industries GmbH.
Garmin avionic system software and concurrent documents are available through your Garmin distributor.

II.2 Special Tools

n. a.

II.3 Labor effort

Appr. 15 min

II.4 Credit

n. a.

II.5 Reference Documents

n. a.

III REMARKS

1. All work must be done by a certified aircraft maintenance station or a certified aircraft maintenance mechanic.

2. Completion of all work must be confirmed in the log book.

3. In case of doubt, contact Diamond Aircraft Industries.

4. The content of this MSB is mandatory in accordance with EASA TCDS EASA.A.439.