
MANDATORY SERVICE BULLETIN NO. MSB 40NG-067 REV. 0

I TECHNICAL DETAILS

I.1 Category

Mandatory

I.2 Airplanes Affected

Type: DA 40 NG

S/N: 40.N393, 40.N394, 40.N397, 40.N398, 40.N401 through 40.N466, 40.N468, and 40.N470

40.NC034, and 40.NC050 through 40.NC055

I.3 Date of Effectivity

24 January 2020

I.4 Time of Compliance

At owner's discretion

I.5 Subject

Installation of 7 dB attenuators for aircraft equipped with the Garmin G1000 NXi Phase II installation.

I.6 Reason

The G1000 NXi Phase II has been approved for installation on DA 40 NG aircraft. It was discovered that the new system was susceptible to electromagnetic interference without the use of 7 dB attenuators. This service bulletin describes installation, of 7 dB attenuators for Phase II equipped aircraft.

I.7 Concurrent Documents

None.

I.8 Approval

The technical information and instructions contained in this document relate to Design Change Advisories MÄM 40-1007 and MÄM 40-1055, which have been approved as part of the type design.

I.9 Accomplishment/Instructions

Comply with WI-MSB 40NG-067, latest effective issue.

I.10 Mass (Weight) and CG

The change in mass and CG is negligible.

II PLANNING INFORMATION

II.1 Material and Availability

See WI-MSB 40NG-067, latest effective issue.

II.2 Special Tools

None.

II.3 Labour Effort

Approximately 1 hour will be required to accomplish this service bulletin.

II.4 Credit

1 hour labour, parts to be supplied by Diamond Aircraft Industries at no charge.

II.5 Reference Documents

DA 40 NG series Airplane Maintenance Manual, Doc. No. 6.02.15, 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, in particular which is 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 logbook.
4. In case of doubt, contact Diamond Aircraft Industries Inc.



**EXECUTION REPORT TO
SERVICE BULLETIN
MSB 40NG-067 REV. 0**

AIRPLANE INFORMATION

Airplane Serial Number _____

Airplane Registration _____

Airplane Operator _____

Hours of Operation of Airplane _____

No. of Landings _____

Hours of Operation of Engine _____

Typical Operation of Airplane _____
(private, club, training, other)

Date, Name, Signature

Please e-mail the completed form to Techpubs@diamondair.com.

WORK INSTRUCTION WI-MSB 40NG-067 REV. 0

I GENERAL INFORMATION

I.1 Subject

Installation of 7 dB attenuators for aircraft with Garmin G1000 NXi Phase II installed.

I.2 Reference Documents

DA 40 NG series Airplane Maintenance Manual, Doc. No. 6.02.15, latest effective revision.

I.3 Remarks

1. All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
2. All work, in particular which is not especially described in this work instruction, must be done in accordance with the referenced maintenance manual.
3. In case of doubt, contact Diamond Aircraft Industries Inc.

II DRAWINGS, SPECIAL TOOLS & MATERIALS

II.1 Drawings

None.

II.2 Special Tools

None.

II.3 Material

Item	Part No.	Qty	Description
1	50FH-007-5BNC	1	Fixed attenuator, 5W, 7 dB

III INSTRUCTIONS

1. Remove the baggage compartment. Refer to AMM Section 25-10.
2. Disconnect the main battery. Refer to AMM Section 24-31.
3. Disconnect the ECU backup batteries. Refer to AMM Section 24-31.
4. Remove the HIRF box cover.
5. Install the fixed attenuator (item 1) between the NAV antenna coax and the diplexer (located on the remote avionics enclosure). See Figure 1.

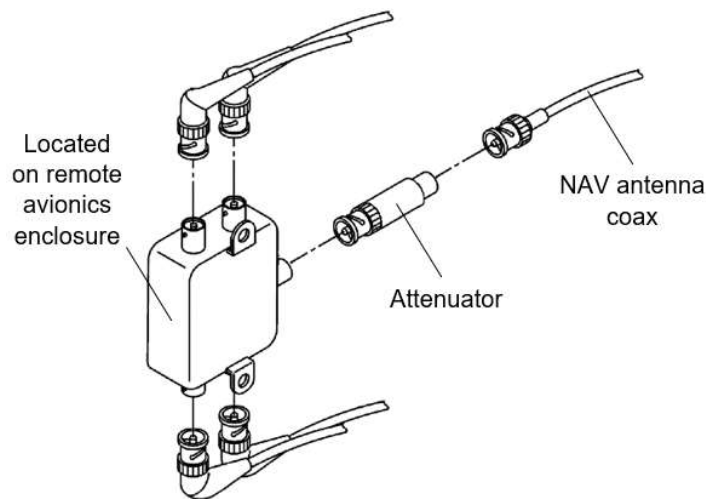


Figure 1. Attenuator installation.

6. Check for FOD around the remote stack.
7. Install the HIRF box cover.
8. Connect the ECU backup battery. Refer to AMM Section 24-31.
9. Connect the main battery. Refer to AMM Section 24-31.
10. Make a logbook entry indicating that this service bulletin has been installed.
11. Submit the execution report to Techpubs@diamondair.com.

Diamond Aircraft Industries
WORK INSTRUCTION
Model DA 40 NG



To obtain satisfactory results, procedures specified in this service bulletin must be accomplished in accordance with accepted methods and current government regulations. Diamond Aircraft cannot be responsible for the quality of work performed in accomplishing the requirements of this service bulletin. Diamond Aircraft reserves the right to void continued warranty coverage in the area affected by this service bulletin if it is not incorporated.

If you no longer own the aircraft to which this service bulletin applies, please forward it to the current owner, and send the name of the current owner to Diamond Aircraft at the address below.

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