

TEMPORARY REVISION

TR-OÄM-42-370

Garmin GWX 75 Weather Radar

This Temporary Revision TR-OÄM-42-370 is approved in conjunction with the Optional Design Change Advisory OÄM 42-370 and is valid in conjunction with the latest revision of the DA 42 NG Airplane Flight Manual until this Temporary Revision has been incorporated into the Airplane Flight Manual.

The limitations and information contained herein either supplement or, in the case of conflict, override those in the Airplane Flight Manual or its previous Temporary Revisions.

The technical information contained in this document has been approved under the authority of DOA No. EASA.21J.052.

Doc. No.	Chapter	Affected Pages
7.01.15-E	1	1-4a, 1-22a
	2	2-45a
	4A	4A-19a
	6	6-27a
	7	7-83a

Instruction

- Print this document on yellow paper (single-sided).
- Insert this cover page as the first page of the AFM.
- Insert the other page of this TR in front of the corresponding AFM page.

Doc. # 7.01.15-E	TR-OÄM-42-370	11-Apr-2022	Cover Page
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AFFECTED CHAPTERS:**1.1 INTRODUCTION**

The item is added to the Modification List:

Modification	Source	Installed	
Garmin GWX 75 Weather Radar	OÄM 42-370	<input type="checkbox"/> yes	<input type="checkbox"/> no

1.8 G1000 AVIONICS SYSTEM

The Paragraph is amended to read:

- 4. If the Garmin GWX 68 or the GWX 70 / 75 weather radar system is installed, it can be used to aid the pilot in avoiding thunderstorms and associated turbulence or for ground mapping. The GWX 68 and the GWX 70 / 75 shall be used to avoid severe weather and not for penetrating severe weather. Pulse type weather radar systems like the GWX 68 and the GWX 70 / 75 detect precipitation only, not clouds or turbulence. The display may indicate clear areas between intense returns, but this does not necessarily mean it is safe to fly between them. As installed on the DA 42 NG, the Garmin GWX 68 and the GWX 70 / 75 has a demonstrated range of 160 nautical miles. Refer to Garmin G1000 Pilot's Guide for the DA 42 NG, P/N 190-00962-() for Garmin G1000 or P/N 190-02237-() for G1000 NXi (MÄM 42-978) or P/N 190-02526-() for G1000 NXi (MÄM 42-1072) in the latest effective issue for further information.

2.16 OTHER LIMITATIONS

The Paragraph is amended to read:

2.16.11 GARMIN GWX 68 / GWX 70 / 75 WEATHER RADAR OPERATION

WARNING

The Garmin GWX 68 and the GWX 70 / 75 Weather Radar System (if installed) must not be operated on ground. If the system is transmitting, it may result in bodily injury if persons are within the minimum safe distance of 3.7 m (12 ft). Never operate the radar in a hangar or other enclosure as radiation can be reflected throughout the area.

4A.6 CHECKLISTS FOR NORMAL OPERATING PROCEDURES

4A.6.1 PRE-FLIGHT INSPECTION

II. Walk-around check, visual inspection

10. Front fuselage and nose landing gear:

The following items are amended to read:

- █ g) Nose cone surface (if OÄM 42-119, OÄM 42-273 or OÄM 42-370 is installed)
..... visual inspection
- █ h) Attachment screws (if OÄM 42-119, OÄM 42-273 or OÄM 42-370 is installed)
..... visual inspection
- █ i) Lightning protection strips (4 pieces, if OÄM 42-119, OÄM 42-273 or OÄM 42-370 is installed) visual inspection

DA 42 NG AFM



Temporary Revision
Garmin GWX 75
Weather Radar

6.5 EQUIPMENT LIST AND EQUIPMENT INVENTORY

The following item is added to the Equipment List:

Airplane Serial No.:		Registration:		Date:	
Description	Type	Part No.	Manufacturer	S/N	inst'd
COMMUNICATION/NAVIGATION					
Weather radar	GWX 75	011-03997-00	Garmin		

7.13 GARMIN G1000 INTEGRATED AVIONICS SYSTEM

The Paragraph is amended to read:

7.13.7 GWX 68 / GWX 70 / 75 WEATHER RADAR

The Garmin GWX 68 and the GWX 70 / 75 weather radar system provides information about precipitation conditions ahead of the airplane. The system consists of a combined microwave transmitter and receiver system in the nose cone, mounted to the front baggage compartment bulkhead. The system is connected to the electrical system of the airplane via a circuit breaker on the instrument panel. The processed data of the GWX 68 / GWX 70 / 75 system is displayed on the Garmin G1000 MFD. Refer to the Garmin G1000 Pilot's Guide, P/N 190-00962-() or Garmin G1000 NXi (MÄM 42-978) Pilot's Guide, P/N 190-02237-() or Garmin NXi (MÄM 42-1072) Pilot's Guide, P/N 190-02526-() in the latest effective issue for more information.