

TEMPORARY REVISION

TR-OÄM 62-1016

GARMIN GWX 75 WEATHER RADAR

This temporary revision TR-OÄM 62-1016 is approved in conjunction with the Optional Design Change Advisory OÄM 62-1016, and is valid in conjunction with the latest revision of the DA 62 Airplane Flight Manual (AFM), until this temporary revision has been incorporated into the AFM.

The limitations and information contained herein either supplement, or in the case of conflict, override those in the AFM.

The technical information contained in this document has been approved by the Canadian Department of Transport.

Doc. No.	Chapter	Affected Pages
11.01.05-E	1	1-3, 1-20
	2	2-2, 2-43
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	7	7-2, 7-83

Instructions:

- Print this document on 8.5" x 11" yellow paper (single sided).
- Copy on yellow paper (single sided) at a reduced size of 72% to get the correct size for the AFM.
- Cut the paper to 6" x 8.5" and punch the holes on the left side of each page.
- Insert the cover page as the first page of the AFM.
- Insert the pages of this temporary revision in front of the corresponding pages in the AFM.
- Keep this temporary revision until the information has been incorporated into the DA 62 AFM.

1.1 INTRODUCTION

The following is added to the existing table:

Modification	Source	Installed	
Garmin GWX 75 Weather Radar	OÄM 62-1016	<input type="checkbox"/> yes	<input type="checkbox"/> no

1.8 G1000 AVIONICS SYSTEM

The following paragraph is amended to read:

4. If the Garmin GWX 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 system shall be used to avoid severe weather and not used for penetrating severe weather. The GWX installation in the DA 62 detects precipitation, but not clouds. Turbulence detection is available if the option has been installed. Turbulence detection is not available on GWX 70 installations. 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 62, the Garmin GWX has a demonstrated range of 160 nautical miles. Refer to Garmin G1000 Pilot's Guide for the DA 62, P/N 190-01895-() for Garmin G1000, P/N 190-01904-() for G1000 NXi Phase I, and P/N 190-02621-() for G1000 NXi Phase II, appropriate revision for further information.

The following is amended to read:

2.16.9 GARMIN GWX WEATHER RADAR OPERATION 2-43

2.16 OTHER LIMITATIONS

The following is amended to read:

2.16.9 GARMIN GWX WEATHER RADAR OPERATION

Bearing information will be incorrect within 1558 meters of the North or South Pole.

WARNING

The Garmin GWX Weather Radar System (if installed) must not be operated on ground except in standby mode during taxiing. 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.

6.5 EQUIPMENT LIST AND EQUIPMENT INVENTORY

The following changes are made to the existing table:

Airplane Serial No.:		Registration:		Date:		Mass		Lever Arm	
Description	Type	Part No.	Manufacturer	S/N	Installed	lb	kg	in	m
COMMUNICATION / NAVIGATION									
Weather radar	GWX 70 processor	011-01768-00	Garmin						
Weather radar	GWX processor	011-03997-00	Garmin						

The following is amended to read:

7.13.7 GWX WEATHER RADAR 7-83

7.13 GARMIN G1000 INTEGRATED AVIONICS SYSTEM

The following is amended to read:

7.13.7 GWX WEATHER RADAR

The Garmin GWX 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 system is displayed on the Garmin G1000 MFD. Refer to Garmin G1000 Pilot's Guide for the DA 62, P/N 190-01895-() for Garmin G1000, P/N 190-01904-() for G1000 NXi Phase I, and P/N 190-02621-() for G1000 NXi Phase II, appropriate revision for further information.