

LOG OF REVISIONS

Rev	Page	Description	FAA Approval
1	All	Initial issue.	<u>See page i:</u>

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Section 1. General

1.1 Definitions

- ADI:** Altitude Director Indicator
- AGL:** Above Ground Level
- DA:** Decision Altitude
- DH:** Decision Height
- GHA:** Garmin Height Advisor
- GTN:** Garmin Touch Navigator
- HAT:** Height Above Terrain
- IFR:** Instrument Flight Rules
- IMC:** Instrument Meteorological Conditions
- MFD:** Multi-Function Display
- RAGL:** Radio Height Above Ground Level
- VCO:** Voice Call Outs
- VFR:** Visual Flight Rules

1.2 Installation

- This installation has GHA 15 Voice Callouts
- This installation does not have GHA 15 Voice Callouts

1.3 Applicable Software

Software Item	Software version
GHA 15	2.10 or later
GI275	3.44

Section 2. LIMITATIONS

2.1 Indication and Voice Call Outs

Use of the GHA 15 for Decision Altitude (DA) or Decision Height (DH) in IFR operations is prohibited.

2.2 Kinds of Operation

Unless placarded as limited to VFR only operations, equipment installed in a certified aircraft is approved for Day and Night / VFR and IFR operations in accordance with 14 Code of Federal Regulations Part 91, Part 121, and Part 135 when appropriately maintained.

The table below lists minimum functional equipment for the GHA 15.

Table 1 - Minimum GHA functional equipment

Installed	Required for VFR	Required for IFR
1	0	0

2.3 Minimum Flight Crew

Installation of a GI 275 does not affect a Minimum Flight Crew determination.

Section 3. Abnormal Procedures

3.1 GHA 15 Failure



Radio AGL (or RAGL) Circuit Breaker**CHECK**

Note:

If the RAGL field is shown on the MFD Data page, the value will be dashed out.

3.2 Erroneous Voice Call Outs

If the VCOs are believed to be erroneous, rapidly repeating, or otherwise distracting

Radio AGL (or RAGL) Circuit Breaker**PULL**

Section 4. NORMAL PROCEDURES

No change

Section 5. PERFORMANCE

No change

Section 6. WEIGHT AND BALANCE

See current weight and balance data.

Section 7. SYSTEM DESCRIPTION

7.1 GHA 15

The GHA 15 uses timed response of radio signals to determine height above the ground, and it is digitally connected to a display unit for visual height above ground readings.

7.2 Voice Call Outs (VCO)

The display that is connected to the GHA 15 will provide the following Voice Call Outs in feet or meters when enabled. These can be enabled/disabled in the GI275 by going to the Menu → System → Voice Callouts. There's an option to mute all callouts at once.

FT	M
300	100
200	50
100	30
50	20
40	10
30	6
20	5
10	4
5	3
4	2
3	1
2	
1	

The pilot should be aware that the GHA 15 RAGL altitude display and VCOs always reference the aircraft present height above ground level. This should not be confused with other voice callouts that may be present which announce reaching a Height Above Terrain (HAT) or baro minimums.

Due to differences in terrain height on approach, RAGL will be unlikely to match GPS HAT or baro altitude.

7.2.1 Audio priority

The VCO will be muted when there are higher priority aural alerts, such as terrain or traffic alerts.

If the baro minimums altitude call out coincide with a height advisor VCO, the VCO will automatically be muted and only the “minimums” call out will be heard.