

## SERVICE INFORMATION NO. SI 40-039 SERVICE INFORMATION NO. SI D4-058

**NOTE:** SI's are used **only**:  
1) To distribute information from DAI to our customers.  
2) To distribute applicable information / documents from our suppliers to our customers with additional information.  
Typically there is no revision service for SI's. Each new information or change of that will be send along with a new SI.

### I. TECHNICAL DETAILS

#### 1.1 Airplanes affected:

All DA 40      aircraft with Garmin 500 Series TAWS installed  
All DA 40 D    aircraft with Garmin 500 Series TAWS installed  
All DA 40 F    aircraft with Garmin 500 Series TAWS installed

#### 1.2 Subject:

Garmin 500 Series TAWS Inhibit Mode Functionality  
ATA-Code:    34-00

#### 1.3 Reason:

Garmin has issued a new Service Advisory, which addresses the Functionality of the Inhibit Mode of the Garmin 500 Series TAWS.

#### 1.4 Information:

For detailed technical information see Garmin Service Advisory which is applicable without any further additions or restrictions.

### II. OTHERS

The Service Advisory 0616 from Garmin is attached to this SI.

In case of doubt contact Garmin or Diamond Aircraft Industries.



## SERVICE ADVISORY

NO.: 0616

**TO:** All Garmin Aviation Service Centers

**DATE:** 2 August 2006

**SUBJECT:** Garmin 500 Series TAWS Inhibit Mode Functionality

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### DESCRIPTION

The Garmin 500 Series TAWS (Terrain Awareness and Warning System) Inhibit Mode operates differently than as documented in the 400/500 Series Garmin Optional Displays Pilot's Guide Addendum (190-00140-13 Revision G).

As stated on page 50 of the 400/500 Series Garmin Optional Displays Pilot's Guide Addendum "This mode is designed to deactivate PDA/FLTA aural and visual alerts when they are deemed unnecessary by the aircrew".

Garmin 500 Series TAWS units with Main software version 6.01 or earlier will deactivate the following alerts when Inhibit Mode is active:

- 1.) **EDR** (Excessive Descent Rate), 2.) **NCR** (Negative Climb Rate after Takeoff)
- 3.) **FLTA** (Forward Looking Terrain Avoidance), 4.) **PDA** (Premature Descent Alert)

### AFFECTED PRODUCTS

All Garmin 500 Series TAWS units with Main software version 6.01 or earlier are affected.

| Model         | Garmin P/N   |
|---------------|--------------|
| GPS 500 TAWS  | 011-00863-() |
| GNS 530 TAWS  | 011-00940-() |
| GNS 530A TAWS | 011-00864-() |

### RESOLUTION

The TAWS Inhibit Mode will be modified to allow EDR and NCR alerts to stay active in the future release of the Garmin 500 Series Main software to operate as described in the 400/500 Series Garmin Optional Displays Pilot's Guide Addendum. The Garmin 500 Series Main software will be announced and made available by service bulletin.

### APPROVAL

Information contained in this advisory does not affect the airworthiness or operational characteristics of the Garmin 500 Series unit.