

## SERVICE INFORMATION NO. SI 42-088

**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 sent along with a new SI.

### I. TECHNICAL DETAILS

#### 1.1 Airplanes affected:

All DA 42 and DA 42 M aircraft

#### 1.2 Subject:

GARMIN – Service Alert No. 0824 Rev. B  
ATA-Code: 34-00

#### 1.3 Reason:

GARMIN has identified an issue, whereby the large (outer) BARO knob and the small (inner) CRS knob may interfere with each other. The Service Alert No. 0824 Rev. B contains instructions on how to test for knob interference.

#### 1.4 Information:

For detailed technical information refer to the GARMIN Service Alert No. 0824 Rev. B which is applicable without any further additions or restrictions.

### II. OTHERS

The GARMIN Service Alert No. 0824 Rev. B is attached to this SI.

In case of doubt contact Diamond Aircraft Industries GmbH.



# SERVICE ALERT

NO.: 0824 Rev B

**TO:** All G1000/G900X/G950 Owners and Operators  
**DATE:** 4 August 2008  
**SUBJECT:** GDU 104X CRS/BARO Knob Interference  
**REVISION B:** Removed the GDU 1045 (011-00819-04) and added a list of affected serial numbers

## AFFECTED PRODUCTS

All G1000/G900X/G950 installations with the following 10-inch GDU 104X displays are affected:

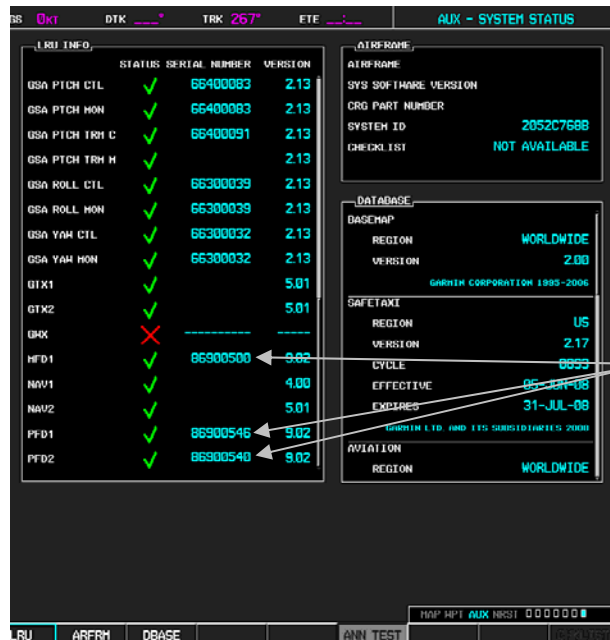
Unit	Garmin Part Number	Affected Serial Number Range
GDU 1040	011-00972-00	86500310 - 86503767
	011-00972-02	87005059 - 87005312
	011-00972-03	88900023 - 88904925 106000265 - 106001037
GDU 1042	011-01080-00	86850318 - 86851005
GDU 1043	011-01079-00	86900317 - 86900748
GDU 1044	011-01078-01	86960200 - 86960376
GDU 1044B	011-01274-00	51200156 - 51201502

### NOTE

GDU 104X installations with GDU software version 3.02 and later can view unit serial numbers on the AUX – SYSTEM STATUS page. Refer to Figure 1 for an example.

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Example  
GDU 104X  
Serial Numbers

Figure 1

**NOTE**

If the GDU 104X serial number on the AUX – SYSTEM STATUS page displays “0” or if the GDU software version does not display the unit serial numbers, proceed to Step 1 of the IMMEDIATE ACTION REQUIRED section of this service alert.

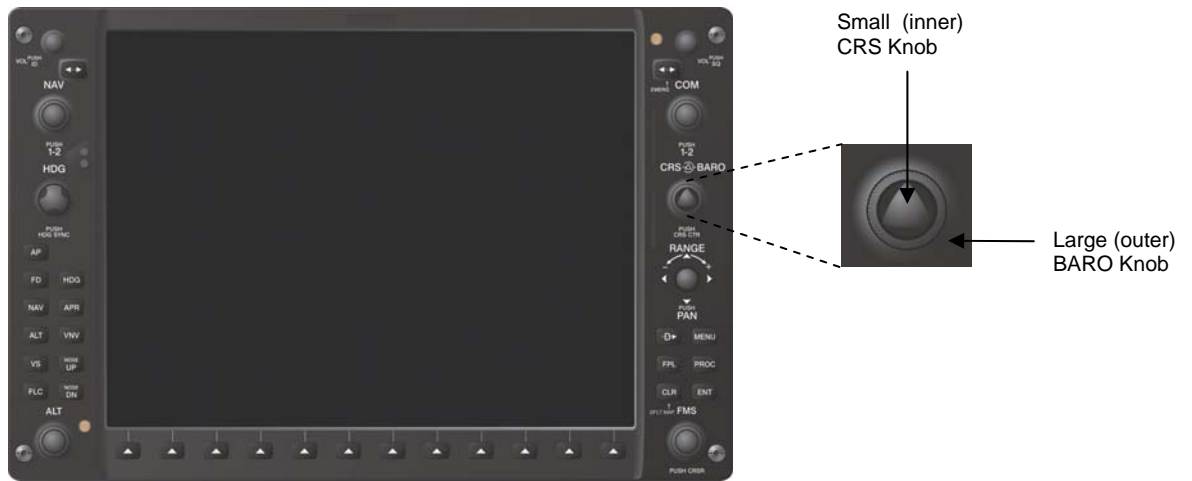
The following G1000-equipped aircraft may include one or more of the affected GDU 104X displays listed above.

- Cessna 172R/172S/182T/T182T/206H/T206H
- Cessna 350/400
- Columbia 350/400
- Diamond DA40/40F/40D/DA42
- Mooney M20M/M20R/M20TN
- Piper PA 32 Saratoga
- Quest Kodiak 100
- Hawker Beechcraft G36 Bonanza
- Hawker Beechcraft G58 Baron
- Tiger AG-5B

All G900X/G950 aircraft installations may also include one or more of the affected GDU 104X displays listed above.

## **DESCRIPTION**

Garmin has identified an issue, whereby the large (outer) BARO knob and the small (inner) CRS knob may interfere with each other.



**Figure 2**

## **IMMEDIATE ACTION REQUIRED**

PFD and MFD CRS/BARO Knob Interference Test

1. Apply power to the G1000/G900X/G950.
2. Press the CDI softkey on the Primary Flight Display(s) (PFD) to enter VOR mode on the HSI.
3. Rotate the large (outer) BARO knob (refer to Figure 2) a minimum of three complete revolutions in each direction while monitoring the Horizontal Situation Indicator/Digital Course Indicator (refer to Figure 3) on the PFD. If a change in the Horizontal Situation Indicator/Digital Course Indicator is produced while turning the BARO knob contact your local Garmin Service Center or OEM Dealer to replace the knobs.

### **NOTE**

In some installations the Digital Course Indicator does not display unless the field is actively being edited. In these instances, if the Digital Course Indicator does not appear while turning the BARO knob, no interference is present.

4. Rotate the small (inner) CRS knob (refer to Figure 2) a minimum of three complete revolutions in each direction while monitoring the Barometric Altimeter Setting (refer to Figure 3) on the PFD. If a change in the Barometric Altimeter Setting is produced while turning the CRS knob contact your local Garmin Service Center or OEM Dealer to replace the knobs.
5. Repeat Steps 3 and 4 for each affected GDU.

### **NOTE**

When testing the Multi Function Display (MFD), the indications must be monitored on the PFD.



**Figure 3**

**MAINTENANCE RECORDS**

If no interference is observed, the pilot performing the check should make the following aircraft logbook entry:

On dd/mm/yyyy the CRS/BARO knobs on installed displays were checked for interference with none found per Garmin Service Alert 0824. Signed - (pilot name here)