

SERVICE INFORMATION NO. SI 40-130

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 40 aircraft equipped with GARMIN G1000 System, see also section 2.1.

All DA 40 F aircraft equipped with GARMIN G1000 System, see also section 2.1.

1.2 Subject:

GARMIN Service Alert No. 1228

ATA-Code: 34-00

1.3 Reason:

GARMIN has identified that in some cases published Standard Instrument Departures (SIDs) and Standard Terminal Arrivals (STARs) contain specific instructions that differ according to the aircraft type. In cases where more than one aircraft-type specific instruction is provided within one procedure, only the "JETS"-specific instructions are provided.

1.4 Information:

For detailed technical information refer to GARMIN Service Alert No. 1228

II. OTHERS

2.1 STC Information:

The GARMIN G1000 system and its associated systems, components and software are installed in the DA 40 and DA 40 F airplanes under one of the following known GARMIN STC:

- FAA STC No:
 - SA01254WI-D (G1000 System)
 - SA01444WI-D (G1000 System and GFC 700 A/P System with optional WAAS installation)
- EASA STC No.:
 - EASA.IM.A.S.01023 (G1000 System)

Additionally to the above mentioned STCs further GARMIN STCs may be approved.

The applicability of the attached GARMIN publication must be checked. For this purpose refer to the related airplane documentation, contact your responsible GARMIN Service Centre or your local authority.

2.2 Miscellaneous:

GARMIN Service Alert No. 1228 is attached to this Service Information.

In case of doubt contact GARMIN.



SERVICE ALERT

NO.: 1228

TO: Owner/Operators of Garmin - Integrated Flight Deck Systems, G500/G600, GNS 400W/500W-series, GTN-series, and Garmin Dealers/Installers

DATE: October 9, 2012

SUBJECT: SIDs and STARs non-JETs Limitation

AFFECTED PRODUCTS

All Garmin Integrated Flight Deck Systems, G500/G600, GNS 400W/500W-series, and GTN-series navigation systems are affected.

PURPOSE

In some cases, published Standard Instrument Departures (SIDs) and Standard Terminal Arrivals (STARs) contain specific instructions within the Departure Route Description or arrival procedures that differ according to aircraft type, such as “JETS” or “ALL OTHERS.” In cases where more than one aircraft type-specific instruction is provided within the same procedure, only the “JETS” aircraft type-specific instructions are provided in the source data and encoded in the Navigation Database. Therefore, the navigation system will only provide guidance information according to the JETS-specific instructions. These instructions may differ significantly from departure or arrival instructions that are appropriate for your aircraft type and erroneously following the resulting guidance information may create a safety issue.

DEPARTURE ROUTE DESCRIPTION	
TAKEOFF RWYS 1L/R:	Climb heading 003°, or as assigned by ATC, Thence...
TAKEOFF RWY 10:	Climb heading 093°, Thence...
TAKEOFF RWY 19L:	JETS: Climb heading 213°, Thence... ALL OTHERS: Climb heading 183° to cross PIE R-116 at or above 2600, Thence...
TAKEOFF RWY 19R:	JETS: Climb heading 203°, Thence... ALL OTHERS: Climb heading 183° to cross PIE R-116 at or above 2600, Thence...
TAKEOFF RWY 28:	Climb heading 273°, Thence...
Expect radar vectors to join filed/assigned route. JETS: Maintain 6000. ALL OTHERS: Maintain 3000. Expect clearance to filed altitude/flight level within 10 minutes after departure.	
TAMPA FIVE DEPARTURE	
(TPA5.TPA) 11069	TAMPA, FLORIDA TAMPA INTL (TPA)

Figure 1. Example Aircraft Type-specific Departure Route Description

PILOT ACTION REQUIRED

Always crosscheck the displayed route information with the published procedure prior to using any SID or STAR guidance information provided by the navigation system. Do not load a SID or STAR that contains JETS-specific instructions (or other procedures that are not applicable to your operation or ATC clearance) into navigation systems that are installed in non-jet aircraft.

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