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EASA APPROVED

AIRPLANE FLIGHT MANUAL SUPPLEMENT  
or  
SUPPLEMENTAL AIRPLANE FLIGHT MANUAL

for the  
Garmin GTN 625, 635, 650, 725, 750, 625Xi, 635Xi, 650Xi, 725Xi, or 750Xi  
GPS/SBAS Navigation System  
as installed in

**Piper PA28-181**

Make and Model Airplane

Registration Number: SE-ICL Serial Number: 28-7990371

This document serves as an Airplane Flight Manual Supplement or as a Supplemental Airplane Flight Manual when the aircraft is equipped in accordance with Supplemental Type Certificate 10037574 for the installation and operation of the Garmin GTN 625, 635, 650, 725, 750, 625Xi, 635Xi, 650Xi, 725Xi, or 750Xi GPS/SBAS Navigation System. This document must be carried in the airplane at all times.

The information contained herein supplements or supersedes the information made available to the operator by the aircraft manufacturer in the form of clearly stated placards or markings, or in the form of an approved Airplane Flight Manual, only in those areas listed herein. For limitations, procedures and performance information not contained in this document, consult the basic placards or markings, or the basic approved Airplane Flight Manual.

Signed By: 

**Michael Warren**  
**ODA STC Unit Administrator**  
**Garmin International Inc.**  
**ODA-240087-CE**

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## LOG OF REVISIONS

Revision Number	Page		Description	EASA Approval
	Date	Number		
1	07-08-13	All	Complete Supplement	<u>Jannes Neumann</u> EASA Approved Date: <u>07-Aug-2013</u>
2	09-03-16	5	Added Flight Stream Limitation	<u>Michael Warren</u> [FAA] ODA Approved [on behalf of EASA] Date: <u>11-Apr-2016</u>
3	03-06-20	1	Added GTN Xi Series units	See Page 1
		1	Removed Revision Number from reference to EASA STC 10037574 to improve future maintenance	
		4	Added GTN Xi FAA AFMS part numbers	
		4	Changed TSO C146c to C146( )	
		5	Added references to GTN 7XX Xi and GTN 6XX Xi units	
		5	Added Section 2.4 Speed Constraints	

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## Section 1. GENERAL

### 1.1 Garmin GTN Navigators

The information in this supplement is EASA-approved material and must be attached to the FAA Approved STC Airplane Flight Manual Supplement, P/N 190-01007-A2, 190-01007-A5, 190-01007-C2, or 190-01007-C3 when the airplane has been modified by installation of the Garmin GTN Navigation System in accordance with STC 10037574.

This EASA approved Airplane Flight Manual Supplement is required in addition to the FAA approved Airplane Flight Manual Supplement, P/N 190-01007-A2, 190-01007-A5, 190-01007-C2, or 190-01007-C3.

All references to TSO-C146( ) in 190-01007-A2, 190-01007-A5, 190-01007-C2, or 190-01007-C3 are replaced by ETSO-C146.

Electronic Flight Bag section information is pertinent to FAA certified aircraft only.

#### Additional References:

Temporary Guidance Leaflet 10, Rev 1: Airworthiness and Operational Approval for Precision RNAV Operations in Designated European Airspace

Acceptable Means of Compliance 20-4, Airworthiness Approval and Operational Criteria for the Use of Navigation Systems in European Airspace Designated for the Basic RNAV Operations

Acceptable Means of Compliance 20-27, Airworthiness Approval and Operational Criteria for RNP APPROACH (RNP APCH) Operations Including APV BARO-VNAV Operations

Acceptable Means of Compliance 20-28, Airworthiness Approval and Operational Criteria for RNAV GNSS Approach Operation to LPV Minima using SBAS

## **Section 2. LIMITATIONS**

### **2.1 Display of Distance to Waypoint (for European registered aircraft only)**

During installation, the GTN was configured to display distance to current waypoint on the Map Page (GTN 7XX or GTN 7XX Xi) or Default Navigation Page (GTN 6XX or GTN 6XX Xi). The display location of distance to current waypoint must not be altered or removed from these pages.

### **2.2 Phone/SMS Suppress Visuals Setting (for European registered aircraft only)**

During installation, the GTN was configured to suppress visual alerts during approach, missed approach, and terminal operations for the GSR 56 Iridium Phone and SMS features. The Suppress Visuals setting on the Service-Phone page must not be changed from “On During APR/MAPR/TERM”.

### **2.3 Flight Stream with Portable Electronic Devices**

The Flight Stream interface and data provided to a portable electronic device is not approved to replace any required or installed aircraft display equipment, including navigation or traffic/weather display equipment. The data presented on the PED may not have the required integrity to be used as the sole source of information to base tactical or strategic decision making.

Use of the Flight Stream for flight plan importing during critical phases of flight by the pilot flying is prohibited.

### **2.4 Speed Constraints**

The GTN does not display speed constraints that may be required on a SID, STAR or Approach. The flight crew is responsible for reviewing charts to identify any speed constraints that may be required and for managing the aircraft speed in compliance with those constraints.

### **Section 3. EMERGENCY PROCEDURES**

No Change.

### **Section 4. NORMAL PROCEDURES**

No Change.

### **Section 5. PERFORMANCE**

No change.

### **Section 6. WEIGHT AND BALANCE**

No Change.

### **Section 7. SYSTEM DESCRIPTIONS**

No Change.