



Service Bulletin

PRIORITY 2 - RECOMMENDED

Service Bulletin No. / Date: SB TMG 651-1005 P2, Revision 1 / September 05, 2018

Subject: Update GARMIN G1000 system software

Type affected: Piper PA28-181 (ARCHER III) with TAE 125-02-114

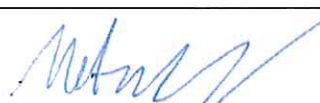
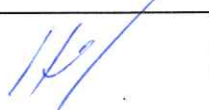
Models affected: All PA28-181 with installed G1000 system

Classification: Category P2 – Recommended

Time of Compliance: At next maintenance action

Reason: To keep the G1000 system software up to date and in relation to the latest revision of the POH supplement

Approval: The technical information contained in this document has been approved under the authority of EASA Design Organisation Approval No. EASA.21J.010

Checked B. Metzdorf, CVE 	Approved M. Heinrich, Office of Airworthiness 
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Correction:

1. Software check:

- Compare the currently installed G1000 configuration software version (engine enable card) with the latest version listed in tables below. For current version see A/C logbook resp. POH (enable card is stored there).
- If both versions differ install the latest approved software version according to point 2.

GARMIN G1000 (standard system)		
Software P/N	Details	Remarks
006-D5114-01	Production release software v2006.01	---
006-D5114-03	Production release software D5114-03 ; latest version	<i>Engine Enable Card P/N: 010-01473-01</i>

GARMIN G1000 NXi phase II *		
Software P/N	Details	Remarks
006-B3147.02	Production release software v3147.02	<i>Engine Enable Card P/N: 010-01473-10</i>

* refer to latest issue of TCDS no. EASA.IM.A.234 for relevant S/N of PA-28-181 equipped with G1000 NXi phase II

- ◆ **Note:** It is highly recommended always to use the latest approved software version.
- ◆ **Note:** Please contact Technify Motors GmbH for supply of latest software version or further information.

2. Installation of GARMIN software

- Install the latest approved configuration software via loader card. Refer to software loading procedure in the original PA-28-181 Maintenance Manual, Section 34-25. (Doc. no.: 761-883)
- ◆ **Note:** Changing the GARMIN software requires a reconfiguration of the system.

3. Fuel tank calibration

- Recalibrate the fuel tank indicators in accordance with AMM 40-02, Section 28.



4. Manual update:

- Replace the supplement of the pilot operating handbook (POH supplement) for the PA28-181 with TAE 125-02-114 by the latest revision. See TMG manual download page.

5. Engine Test Run:

- Perform an engine test run in accordance with OM 02-02. Pay special attention to the engine indicators.