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SB TMG 651-1005 P2, Rev. 2

# Service Bulletin

## PRIORITY 2 - RECOMMENDED

**Service Bulletin No. / Date:** SB TMG 651-1005 P2, Revision 2 / April 10, 2019

**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		29. APR. 2019
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**Replaces Service Bulletin No. / Date:** -  
SB TMG 651-1005 P2, Rev.1 / September 05, 2018

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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.

<b>GARMIN G1000 (standard system)</b>		
<b>Software P/N</b>	<b>Details</b>	<b>Remarks</b>
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>
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<b>GARMIN G1000 NXi phase II *</b>		
<b>Software P/N</b>	<b>Details</b>	<b>Remarks</b>
006-B3147.02	Production release software v3147.02	<i>Engine Enable Card P/N: 010-01473-10</i>
006-B3147.03	Production release software v3147.03	<i>Engine Enable Card P/N: 010-01473-11</i>
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\* 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.