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SB CG 651-1009 P1, Rev.1

SERVICE BULLETIN

PRIORITY 1 – SAFETY

Service Bulletin No. / Date: SB CG 651-1009 P1, Rev.1 / October 15, 2020

Subject: Turbocharger hose replacement

Type affected: Piper PA-28 with TAE 125-02-114

Models affected: Aircraft with following engine serial numbers:
02-02-11425; 02-02-11500; 02-02-11553

Classification: Category P1 – SAFETY

Time of Compliance: Before next flight



Reason: Possible failure of the hose during flight and thus partially loss of power

Correction: Check the installed turbocharger hose (TAE EPA 40-7520-H0131 01) and replace the hose by a new one if affected

Remarks: Only the hoses of the manufacturer “BOOST products” with batch no. 3101-001 are affected. These hoses are not pressure stable and must be replaced.

▲ **WARNING:** Do not use the aircraft with installed turbocharger hose of the batch mentioned above, there is a high risk of hose bursting.

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

Checked 15. OKT. 2020 S. Reckziegel, CVE		Approved 	M. Heinrich, Office of Airworthiness
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Action:

1) Verification:

- Inspect the installed turbocharger hose and verify the part number TAE EPA 40-7520-H0131 01. Refer to figures below.
- If the installed hose is labelled with “BOOST products” and batch number “3101-001” the hose is critical and must be replaced. All hoses with deviating batch no. or other manufacturer label are uncritical.

◆ Note: Please contact Continental Aerospace Technologies GmbH for queries regarding hoses affected.



Figure 1: turbocharger hose, installed



Figure 2: turbocharger hose of batch 3101-001

2) Replacement:

- Make sure that the engine is cold before starting work.
- Loosen the three hose clamps and remove the turbocharger hose.

■ **CAUTION:** When opening the turbocharger system, pay special attention to prevent contamination.

- Install a factory new turbocharger hose P/N 40-7520-H0131 01 using three new hose clamps NM-0000-00170 01. Shorten the hose if needed.

Secure the hose with one clamp on turbocharger side and two clamps on intercooler side.

▲ **WARNING:** It is not permitted to reuse the original hose clamps.

- Perform an engine test run in accordance with OM-02-02
- Confirm the properly carried out hose replacement via email, indicate the engine serial number and aircraft registration.

Use following email addresses:

support@continentaldiesel.com

airworthiness@continental.aero

- Finally send back the affected turbocharger hose to Continental Aerospace Technologies GmbH.