

Service Letter

Service Bulletin No. /
Date: SL TMG 125-1004, Initial Issue / October 10, 2014

Subject: Inspect the attachment of the alternator loom

Type affected: TAE 125-02-99 and TAE 125-02-114

Models affected: C172 and PA28 with TAE 125-02-99 / TAE 125-02-114

Classification: Category SL – SERVICE LETTER

Time of Compliance: With the next inspection

Reason: We have detected maintenance problems with some incorrect mounted alternator looms.
 Risk to loosening the screws and further damages, in case of a wrong mounted alternator loom. Because the screws may be too short. See Figure 1.

◆ **Note:** If the *alternator support* with the tapped hole is installed (see the white arrow in Figure 1).
 The alternator wiring harness must be mounted as shown in Figure 2.



Figure 1: WRONG mounted alternator loom


Checked

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Approved

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 DOA No. EASA-11.010

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Correction:

In case of the alternator support WITH the tapped hole is installed

Correction of the attachment of the harness.

Compare with the appropriate **Conversion Instruction** of your aircraft.

- ◆ **Note:** Check that the correct screws M8x172 are installed.
The bottom screws on the alternator support must be screws with external torx M8x172-8.8 P/N: 05-7223-K001501. See Figure 2.

Part Number	Description 1	Description 1	Quantity
NM-0000-0100501	pipe clamp	DIN 3016 - RSGU1 - 18/15 - W1	1
NM-0000-0019601	hexagon head screw	ISO 4017 - M6x16 - 8.8 - A2L	1
NM-0000-0003801	plain washer	ISO 7089 - 6 - 200 HV - A2L	1
NE-0000-0069301	Roundit	2000NX 13-5	300 mm

1. Remove the wrong attachment.
2. Attach protective sleeve (2x150mm) (P/N: NE-0000-0069301) around the lines.
3. Install the clamp (P/N: NM-0000-0100501) around the protective sleeve and the lines.
4. Attach the clamp with a screw (P/N: NM-0000-0019601) and a washer (P/N: NM-0000-0003801) on the alternator support. See Figure 2.

Tightening Torque:
10 Nm (89 inch-lbs.)

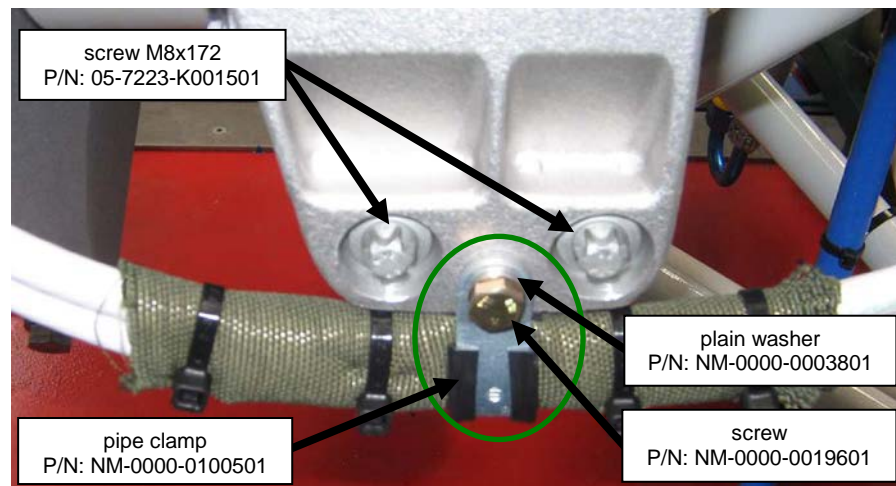


Figure 2 alternator support WITH the tapped hole

Remarks:

In case of the alternator support WITHOUT the tapped hole is installed

- ◆ **Note:** Check that the correct screws M8x190 are installed.
If not, follow the instructions below.

Correction of the attachment of the harness.
Compare with the appropriate **Conversion Instruction** of your aircraft.

Part Number	Description 1	Description 1	Quantity
NM-0000-0165901	pipe clamp	RSGU1-20/20-W1-Polych.	2
NM-0000-0106801	screw with external torx	DIN 34801-B M8x190-8.8-A2E	2
20-3940-H003501	spacer	ø15; ø6; 10mm long	2
NE-0000-0069301	Roundit	2000NX 13-5	300 mm

1. Remove the wrong attachment.
2. Attach protective sleeve (2x150mm) (P/N: NE-0000-0069301) around the lines.
3. Install the clamps (P/N: NM-0000-0165901) around the protective sleeve and the lines.
4. Attach the clamps, each with a spacer (P/N: 20-3940-H003501) and the screws (P/N: NM-0000-0106801) of the alternator support.
See Figure 3.

Tightening Torque:
20 Nm (177 inch-lbs.)

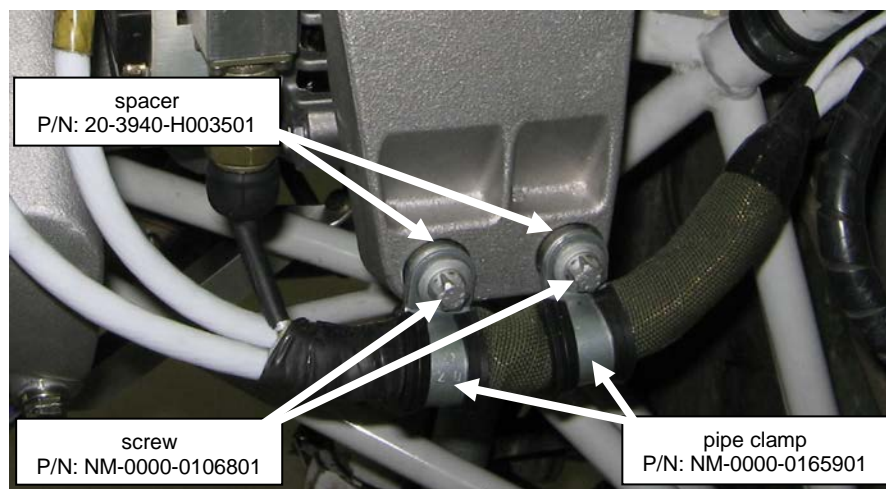


Figure 3 alternator support WITHOUT the tapped hole

Approval:

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