

SERVICE BULLETIN

PRIORITY 1 - SAFETY

Service Bulletin No. / Date: SB TMG 601-1006 P1, Initial Issue / November 05, 2014

Subject: Turbocharger Clamp Replacement

Type affected: All Cessna C172 (Reims F172) with TAE 125-01, TAE 125-02-99 and TAE 125-02-114

Models affected: All

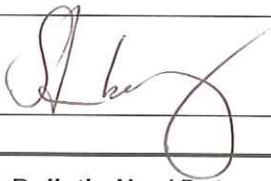
Classification: Category P1 – SAFETY

Time of Compliance: Within the next 50 flight hours or with the next maintenance inspection, whichever occurs first

Reason: Possible failure of the clamp during flight

Checked

M. Steinberg, CVE



Approved

M. Heinrich, Office of Airworthiness





Correction:

1. Remove the turbocharger clamp:

- Make sure that the engine is cold before starting work at the engine.
- Remove the turbocharger clamp including the inner ring and the O-rings.
- **CAUTION:** When opening the turbocharger system, pay special attention to prevent contamination.

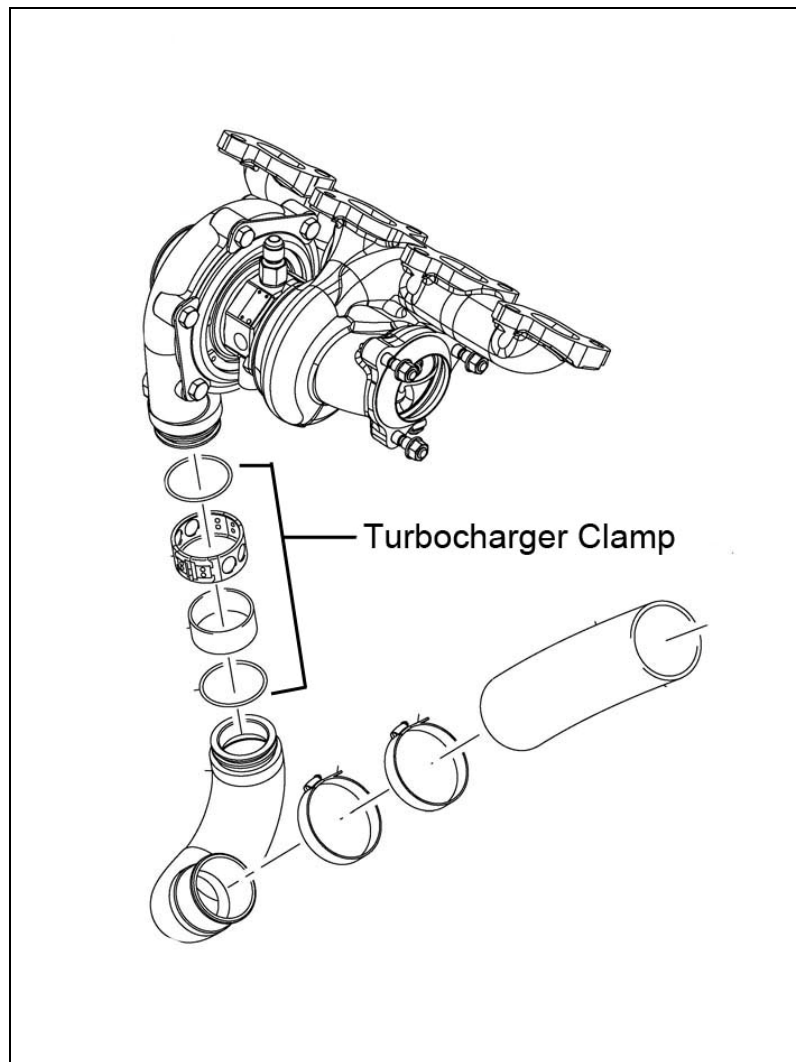


Figure 1

2. Installation of the Turbocharger Clamp (P/N 05-7241-K0216 02)

Parts:

Item	Part Number	Description 1	Description 2	Qty.
1	05-7241-K0216 02	Clamp	Installation Set	1
1.1	05-7241-K0215 02	Half Shell		2
1.2	05-7241-K0217 01	Hexagon Socket Head Cap Screw	M5x20 - 8.8 - A2J, drilled	4
1.3	NM-0000-02133 01	Wiggins fluid coupling	1 1/2", sleeve	1
1.4	NM-0000-00228 01	O-ring	37,69x3,53-Viton70SH	2

- Attach one O-ring (item 1.4) to the notch at the flange of the turbocharger.
 - Attach the other O-ring (item 1.4) to the notch at the turbo pipe.
 - ◆ Note: Use lubricant for installation of the O-rings and the coupling. Check correct fit.
 - Connect the turbo pipe to the turbocharger and secure with the coupling (item 1.3) and the two half shells (item 1.1) using four screws (item 1.2). See Figure 2.
- Tightening Torque:** 8Nm
- Check if the clamp can be moved easily.
 - ◆ Note: Tension at the clamp or misalignment of piping can lead to deformation or damage.
 - Secure the screws with safety wire. See Figure 3.

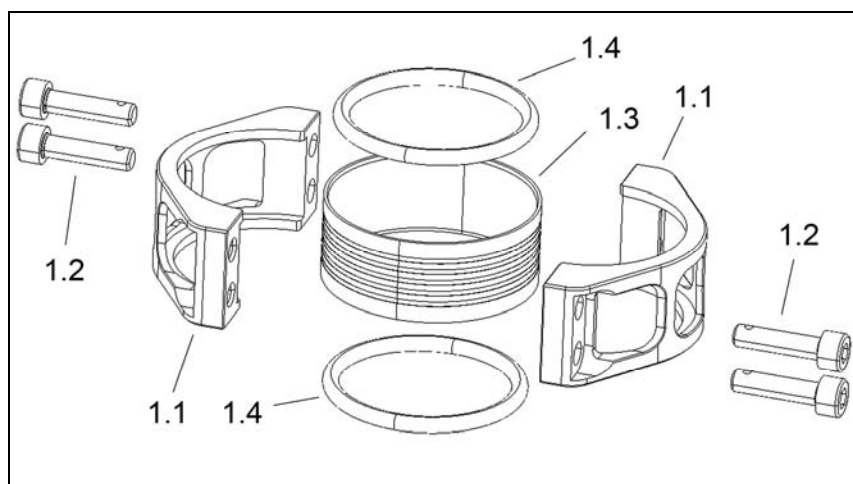


Figure 2



Figure 3

3. Engine Test Run:

- Perform an engine test run in accordance with OM 02-02.

Remarks: Through installation of the new turbocharger clamp the failure of the clamp, which can result in loss of engine power, is reduced.

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