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SB TMG 125-1020 P1, Revision 1

# SERVICE BULLETIN

## PRIORITY 1 - SAFETY

**Service Bulletin No. / Date:** SB TMG 125-1020 P1, Revision  
January 5, 2018

**Subject:** Gearbox Oil Leak Inspection

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

**Models affected:** The GEARBOX Partnumbers in combination with the following serial numbers are affected if a clutch is installed:

P/N: 05-7212-K033305

01351 01711

P/N: 05-7212-K033405

00160	00171	00327	00396	00884	00957
01048	01106	01311	01388	01598	01655
01881	01883	01884	01893	01928	01978
02026	02141	02189	02304	02354	02432

P/N: 05-7212-K033505

00139	00688	01125	01236	01288	01357
01427	01704	01786	01887	01904	01935
02040	02041	02167	02228	02314	02316

P/N: 05-7212-K035804

00095 00107 00224 01534

P/N: 05-7212-K035904

01237

P/N: 05-7212-K043501

00179	00697	00923	01081	01082	01245
01361	01418	01487	01561	01634	01762
01891	01933				

P/N: 05-7212-K043601

00459 01019 01314

Checked

A. Wille, CVE

Approved

D. Hartung, Office of Airworthiness

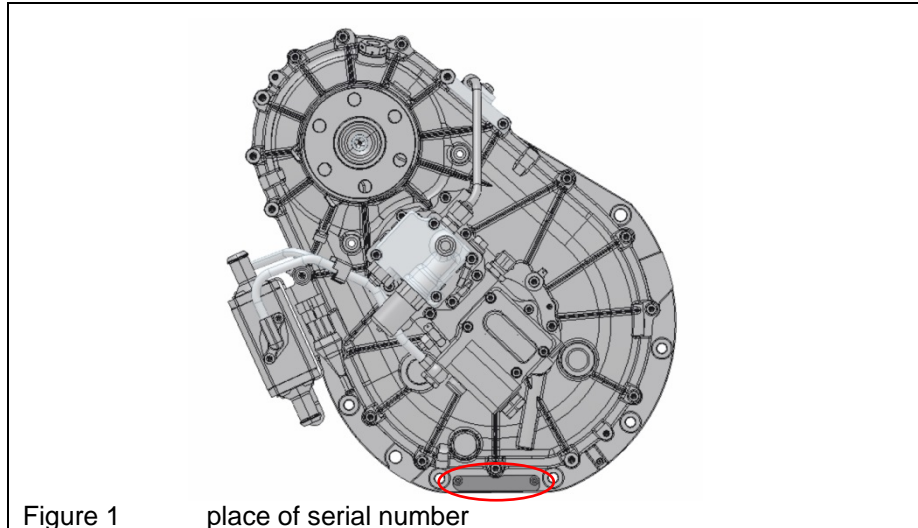
**Replaces Service Bulletin No. / Date:**

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P/N: 05-7212-K043901

00172	00189	00432	00481	00564	01241
01529	01755	01844	01951	01977	01986
02127	02289	02298			



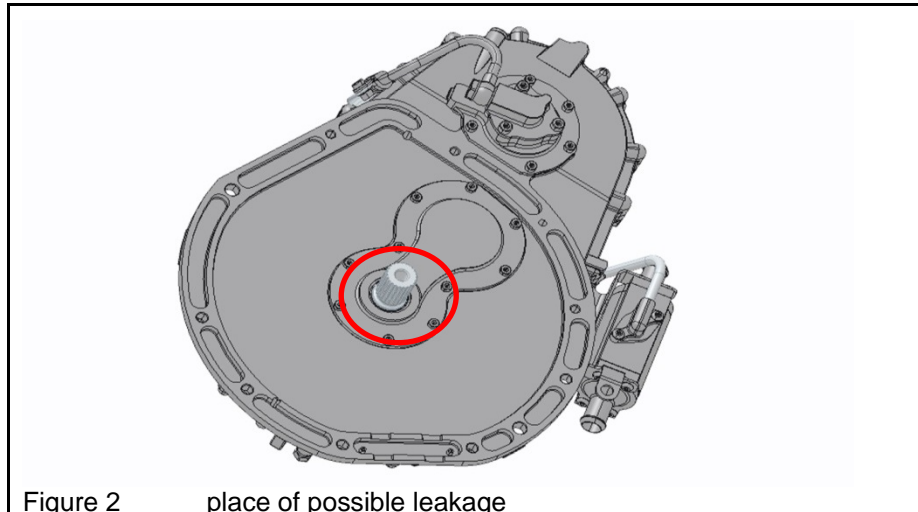
**Classification:** Category P1 – SAFETY

**Time of Compliance:** Measures have to be accomplished within the next 50 flight hours or with the next maintenance action.

**Reason:** Radial shaft sealing ring may not seal properly due to an improper lapped gearbox drive shaft. This can lead to an oil leak and a slipping clutch and finally to a loss of power.

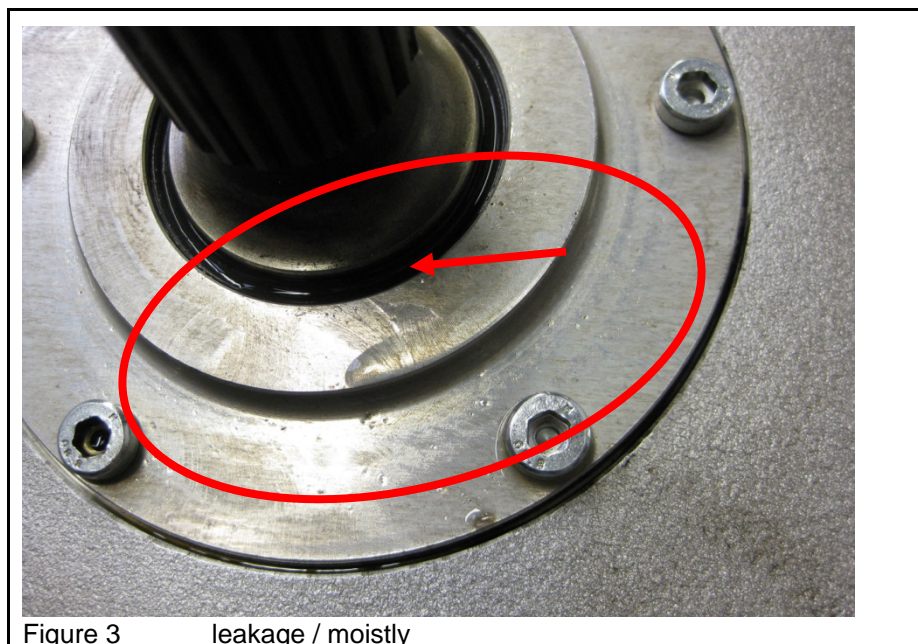
**Correction:**

- Remove the gearbox and replace the clutch by dual mass flywheel in accordance with RM-02-02, Chapter 72-10.18, Issue 3, Revision - or later approved revisions.
- Inspect the gearbox, check the rear radial shaft sealing ring on the gear shaft for oil leakage and moisture, see Figure 2 and Figure 3.



- If there is a leakage or moisture, see Figure 3, replace the gearbox.

◆ Note: The clutch has to be replaced by the dual mass flywheel in each case.



For Installation of the dual mass flywheel refer to RM-02-02,  
Chapter 72-10.18 / 72-10.19.

- ◆ **Note:** At first installation of the dual mass flywheel the starter monitoring loom must be installed.

Please observe applicable published aircraft service bulletins for further instructions:

- SB TMG 125-1018 P1, revision 1 or later approved revisions
- 
- Send the clutch and if changed the gearbox to Technify Motors GmbH.

**Remarks:** -

**Parts:**

Item	Part Number	Description	Quantity
1	05-7211-K018702	Flywheel installation set	1
1.1	05-7211-K018302	flywheel	1
1.2	NM-0000-0233601	hexalobular socket head cap screw M10x1x20	8
Tools:			
2	VR00173-01-01XX	Flywheel Locking Tool	1
3	VR00480-00-00XX	Testing Tool DMF	1
Additional parts, if the gearbox has a leakage or moisture.			
4		Gearbox, Assembly	1
5	05-7212-K014502	stud screw M8x110-8.8	1
6	NM-0000-0042301	hexagon nut M8 - 05 - A2L	1
7	NM-0000-0208501	clip for cable tie 14x16, s= 1 ... 3, top, St/PA	4
8	NM-0000-0018101	hexagon nut ISO 10511 - M6 - 8 - A2L (only DA42)	2
Additional parts if required, refer to RM-02-02, Chapter 72-10.15, Issue 3, Revision 3 or later approved revisions.			

**Approval:**

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