
SERVICE INFORMATION LETTER NO. SID4-195

NOTE: Service Information Letters are used only:

1. To distribute information from Diamond Aircraft Industries Inc. to our customers.
2. To distribute applicable information/documents from our suppliers to our customers with additional information.

NOTE: Typically there is no revision service for Service Information Letter (SIL). Each new information or change will be sent along with a new SIL.

1. TECHNICAL DETAILS

1.1 Aircraft Affected

All DA 40 D aircraft equipped with TAE 125-02-99 with the serial numbers indicated in Continental Aerospace Technologies GmbH SB CG 125-1027 P1 (attached).

1.2 Subject

Continental Aerospace Technologies GmbH SB CG 125-1027 P1

ATA-Code: 72-00

1.3 Reason

Continental Aerospace Technologies (CAT) has issued Priority 1 Safety Service Bulletin No. CAT SB CG 125-1027 P1 mandating the replacement of the studs of the crankshaft main bearing caps. If left not corrected, fractured main bearing studs may lead to a total loss of power.

1.4 Information

For detailed technical information refer to CAT SB CG 125-1027 P1, which is applicable without any further additions or restrictions.

CAT SB CG 125-1027 P1 is attached to this service information letter.

2. OTHER DETAILS

To obtain satisfactory results, procedures specified in this service information letter must be accomplished in accordance with accepted methods and current government regulations. Diamond Aircraft Industries Inc. cannot be responsible for the quality of work performed in accomplishing the requirements of this service information letter. Diamond Aircraft reserves the right to void continued warranty coverage in the area affected by this service information letter if it is not incorporated. If you no longer own the aircraft to which this service information letter applies, please forward it to the current owner and send the name of the current owner to Diamond Aircraft Industries Inc. at the address below.

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SB CG 125-1027 P1

SERVICE BULLETIN

PRIORITY 1 – SAFETY

Service Bulletin No. / SB CG 125-1027 P1, Initial Issue / December 18, 2020
Date:

Subject: Studs of the Crankshaft Main Bearing Caps

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

Models affected: The following engine S/N are affected:

TAE 125-02-99 / S / N 02-02-xxxx:

04172	04488	04847	04849	04851	04857	04858	04861	04862	04863
04864	04865	04866	04867	04868	04869	04870	04871	04872	04873
04874	04875	04876	04877	04878	04879	04880	04881	04882	04883
04884	04885	04886	04887	04888	04889	04890	04891	04892	04893
04894	04895	04896	04897	04898	04899	04900	04901	04902	04903
04904	04905	04906	04907	04908	04909	04910	04911	04912	04913
04914	04915	04916	04917	04918	04919	04920	04921	04922	04923
04924	04925	04926	04927	04928	04929	04930	04931	04932	04933
04934	04935	04936	04937	04938	04939	04941	04942	04943	04944
04945	04946	04947	04948	04949	04950	04951	04952	04953	04954
04955	04956	04957	04958	04959	04960	04961	04962	04963	04964
04965	04966	04967	04968	04969	04970	04971	04972	04973	04974
04975	04976	04977	04978	04979	04980	04981	04982	04983	04984
04985	04986	04987	04988	04989	04990	04991	04992	04993	04994
04995	04996	04997	04998	04999	05000	05001	05002	05003	05004
05005	05006	05007	05008	05009	05010	05011	05012	05013	05014
05015	05016	05017	05019	05020	05021	05022	05023	05024	05025
05026	05027	05028	05029	05030	05031	05032	05033	05034	05035
05036	05037	05038	05039	05040	05041	05042	05043	05044	05045
05046	05047	05048	05049	05050	05051	05052	05053	05054	05055
05056	05057	05058	05059	05060	05061	05062	05063	05064	05065
05066	05067	05068	05069	05070	05071	05072	05073	05074	05075
05076	05077	05078	05079	05080	05081	05082	05083	05084	05085
05086	05087	05088	05089	05090	05091	05092	05093	05094	05095
05096	05097	05098	05099	05100	05101	05102	05103	05104	05105
05106	05107	05108	05109	05110	05111	05114	05115	05116	05117
05120	05121	05122	05123	05124	05130				

TAE 125-02-114 / S/N 02-02-xxxx:

10566	10576	10616	10718	10984	10993	10994	11062	11063	11064
11098	11099	11102	11104	11105	11106	11107	11108	11110	11111
11120	11142	11143	11144	11145	11146	11147	11148	11150	11171
11172	11173	11174	11178	11179	11210	11211	11212	11213	11214
11215	11216	11237	11238	11239	11240	11241	11242	11243	11244
11266	11267	11278	11279	11280	11281	11282	11283	11284	11285
11286	11347	11348	11349	11350	11351	11352	11353	11354	11355
11356	11357	11358	11359	11362	11363	11394	11395	11396	11398
11399	11400	11401	11422	11423	11424	11426	11427	11430	11432
11438	11491								

Checked A. Wille, CVE <i>18.12.2020 P. W</i>	Approved <i>[Signature]</i> D. Hartung, Office of Airworthiness <i>18.12.2020</i>
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Replaces Service Bulletin No. / Date: -

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SB CG 125-1027 P1

Classification: Category P1 – SAFETY

Time of Compliance: Single Engine Installations:

Not installed engines:

Measures have to be accomplished immediately.

Engines between 0 flight hours and 100 flight hours:

Measures have to be accomplished within the next 100 flight hours or with the next maintenance action, whichever occurs first.

Engines above 100 flight hours:

Measures have to be accomplished within the next 15 flight hours or with the next maintenance action, whichever occurs first.

Twin engine installations:

Not installed engines:

Measures have to be accomplished immediately.

If one engine of the installation is affected:

Measures have to be accomplished within the next 100 flight hours or with the next maintenance action, whichever occurs first.

If both engines of the installation are affected:

Engines between 0 flight hours and 100 flight hours:

Measures have to be accomplished within the next 100 flight hours or with the next maintenance action, whichever occurs first.

Engines above 100 flight hours:

Measures have to be accomplished within the next 15 flight hours or with the next maintenance action, whichever occurs first.

Reason: Fractured main bearing studs were reported to Continental Aerospace Technologies GmbH. This could lead to a total loss of power, if not corrected. The root cause could not yet be fully verified and is still under analysis. However, Continental Aerospace Technologies GmbH has decided to replace all affected batches of main bearing studs.

Correction: Remove the engine from service and, before its release to service, replace the main bearing studs P/N 05-7211-K009801 (Batch No. B180703/1, B184216/1, B184216/2 and B191277/1). This replacement can be accomplished by (or under authorisation of) Continental Aerospace Technologies GmbH.



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SB CG 125-1027 P1

Remarks:

Engine shipping details:

Please fill out the attached CD-135 / 155 Engine Procedure Sheet and send it by email or fax to Continental Aerospace Technologies GmbH. Ensure the delivery of the listed parts therein. Please leave the engine loom installed on the engine.

Labor Effort:

In accordance with the current labor allowance list.

Credit:

Based on the current published service time of the affected part(s) (refer to OM-02-02, Chapter 5 and 6 and TM TAE 125-0001) the remaining useful service time will be credited for part(s) and labor effort.

Approval:

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



Sales / Service Procedure Sheet

CD-135/155 ENGINE PROCEDURE SHEET

Enclosure belonging to Authorization Request no. _____

BASIC DATA:

Engine Serial Number:	
Aircraft Registration, Aircraft Serial Number:	
Total Time Engine:	

ITEMS TO BE PROVIDED WITH THE ENGINE TO TMG BY CUSTOMER:

Signed statement in writing with serial numbers and operating time details of following components:	S/N	TSI (time since inspection)
> Engine		
> Gearbox		
> Prop Control Valve		
> Rail Pressure Control Valve	X	
> High Pressure Pump		
> Alternator		
> ECU		
> Feed Pump		
> Clutch	X	
> friction disk		
> Dual mass flywheel		
> Turbo Charger		
> Engine Loom		

SHIPPING INFORMATION:

Location of engine before pick up:	
Company name:	
Street:	
ZIP code, City:	
Country:	
Contact person:	
Tel. no.:	

DO NOT SEND:

- > Throttle Quadrant
- > Manifold Pressure Lines
- > Propeller
- > AED
- > CED
- > Exhaust Pipe
- > Coolers / Radiators

ENSURE THAT:

- > Engine oil is drained completely
- > Gearbox oil is drained completely
- > Coolant is drained completely
- > All openings are appropriately protected against contamination
- > Engine Logbook is included in the engine box

CONTACT DETAILS:

Operator:	
Owner:	

Note:

Authorization Request must be submitted to Continental Aerospace Technologies GmbH for the returned engine. All works will be performed according to Continental Aerospace Technologies GmbH's General Terms and Conditions which the orderer hereby accepts.

Customer / Orderer: _____

City, Date

signature

printed name, title

company stamp

Signature and company stamp are mandatory!