

# SERVICE BULLETIN

## PRIORITY 1 - SAFETY

**Service Bulletin No. / Date:** SB TMG 125-1019 P1, Revision 1 / September 15, 2015



**Subject:** Integral Exhaust Manifold


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

**Models affected:** The following engine serial numbers are affected:

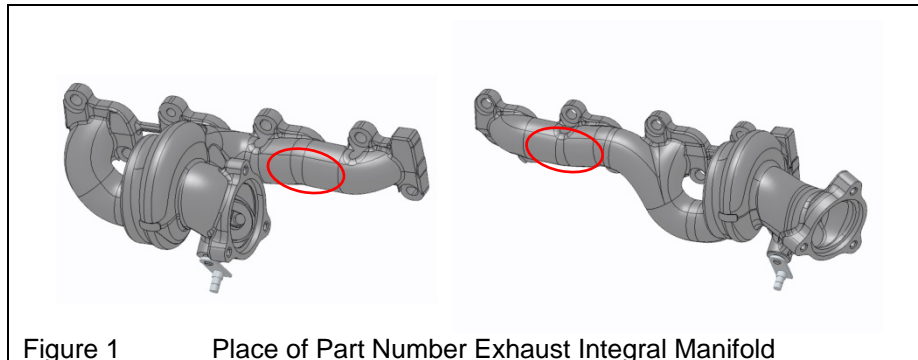
02-02-03724 02-02-03746 02-02-03747 02-02-03748 02-02-03749 02-02-03750  
02-02-03751 02-02-03752 02-02-03753 02-02-03756 02-02-03757 02-02-03758  
02-02-03759 02-02-03760 02-02-03761 02-02-03762 02-02-03763 02-02-03764  
02-02-03765 02-02-03766 02-02-03772 02-02-03773 02-02-03774 02-02-03775  
02-02-03776 02-02-03777 02-02-03778 02-02-03779 02-02-03780 02-02-03781  
02-02-03782 02-02-03783 02-02-03784 02-02-03785 02-02-03793 02-02-03794  
02-02-03799 02-02-03800 02-02-03801 02-02-03805 02-02-03806 02-02-03807  
02-02-03808 02-02-03816 02-02-03817 02-02-03818 02-02-03819 02-02-03820  
02-02-03821 02-02-03828 02-02-03829 02-02-03830 02-02-03831 02-02-03832  
02-02-03833 02-02-03836 02-02-03837 02-02-03838 02-02-03839 02-02-03840  
02-02-03847 02-02-03848 02-02-03849 02-02-03850 02-02-03851 02-02-03852  
02-02-03862 02-02-03864 02-02-03865 02-02-03866 02-02-03867 02-02-03868  
02-02-03869 02-02-03870 02-02-03871 02-02-03872 02-02-03882  
02-02-10070 02-02-10076 02-02-10108 02-02-10109 02-02-10152 02-02-10153  
02-02-10157 02-02-10158 02-02-10159 02-02-10176 02-02-10177 02-02-10179  
02-02-10180 02-02-10181 02-02-10182 02-02-10183 02-02-10184 02-02-10240  
02-02-10241 02-02-10252 02-02-10254 02-02-10255 02-02-10256 02-02-10257  
02-02-10258 02-02-10259 02-02-10260 02-02-10261 02-02-10269 02-02-10270  
02-02-10271 02-02-10272 02-02-10273 02-02-10274 02-02-10280

If the engines have Exhaust Integral Manifold  
P/N 05-7241-K0176xx or P/N 05-7241-K0178xx  
See Figure 1.

Checked  C. Rudolph, CVE	Approved  D. Hartung, Office of Airworthiness
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**Technify  
Motors**  
Office of Airworthiness  
Technify Motors GmbH  
DOA No. EASA.21J.010



**Classification:** Category P1 – SAFETY

**Time of Compliance:** Engines with 0 FH and not in service:  
Before entry into service.

Engines with above 0 FH:  
Measures have to be accomplished within the next 50 flight hours or with the next maintenance action, whichever occurs first.

**Reason:** Cases of High Cycle Fatigue (HCF) of turbocharger turbine blades were reported to Technify Motors GmbH.

**Correction:**

- Engines with 0 FH / not in service:

Installation of exhaust integral manifold P/N 05-7241-K023801 or P/N 05-7241-K023901 in accordance with RM-02-02, Chapter 72-40.03, Issue 3, Revision 2 or later approved revisions.

Item	Part Number	Description	Quantity
1	05-7241-K023801	Integral Manifold	1
	05-7241-K023901	Integral Manifold, only DA42	1

- Engines above 0 FH:

Installation of exhaust integral manifold P/N 05-7241-K023801 or P/N 05-7241-K023901 in accordance with RM-02-02, Chapter 72-40.03, Issue 3, Revision 2 or later approved revisions and turbocharger P/N 05-7241-K018703, 05-7241-K020302 or 05-7241-K019402 in accordance with RM-02-02, Chapter 72-40.01, Issue 3, Revision 1 or later approved revisions.

Item	Part Number	Description	Quantity
1	05-7241-K023801	Integral Manifold	1
	05-7241-K023901	Integral Manifold, only DA42	1
2	05-7241-K018703	Turbocharger; Standard	1
	05-7241-K020302	Turbocharger; DA42	1
	05-7241-K019402	Turbocharger; Ces G1000	1

or

- Engines with 0 FH / not in service and for Engines above 0 FH:

◆ Note: Only applicable for the Diamond DA40 installation.

For replacement of the Turbocharger K16 by V22 at Diamond DA40, refer to RM-02-02, Chapter 72-40.12, Issue 3, Revision 0 or later approved revisions.

**Remarks:**

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**Approval:**

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