

## **SUPPLEMENTAL AIRPLANE MAINTENANCE MANUAL**

**DA 62**

### **INSTALLATION INSTRUCTIONS FOR SYSTEM M15**

#### **On Top Exhaust System**

This Supplemental AMM is approved in conjunction with the Optional Design Change Advisory OÄM 62-038 and is valid in conjunction with the basic Airplane Maintenance Manual (AMM).

The limitations and information contained herein either supplement or, in the case of conflict, override those in the AMM.

**Doc. No.** : **7.02.25-M15**

**Date of Issue** : **18-Aug-2017**

**Design Change Advisory** : **OÄM-62-038**

This document must be carried in the Airplane Maintenance Manual (AMM) at all times. It describes the maintenance procedures.

The technical information contained in this document has been approved under the authority of DOA No. EASA.21J.052.

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**CHAPTER 03**  
**GENERAL DESCRIPTION OF THE AIRPLANE**

**1. Description**

The DA 62 can be equipped with an optional On Top Exhaust. The On Top Exhaust System is mounted on top of the cowling with a mounting plate, anti-vibration mounts and heat shield assy.

Note: All measures must be carried out by a certified airplane maintenance station or a certified airplane mechanic.

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**CHAPTER 05**  
**TIME LIMITS AND MAINTENANCE CHECKS**  
**Section 05-28-00**  
**Maintenance Checklist DA 62 Engines**

**4. Maintenance Checklist Engines**

**A. LH Engine**

	Inspection Items, LH Engine	Interval					Initials
		100	200	1000	2000	Time	
1.	If OÄM 62-038 is installed: Examine the exhaust pipe, the exhaust muffler and the attachments. Look specially for cracks and heat damage. Refer to Section 78-00.	X	X	X	X		

**B. RH Engine**

	Inspection Items, RH Engine	Interval					Time	Initials
		100	200	1000	2000			
1.	<p>If OÄM 62-038 is installed:</p> <p>Examine the exhaust pipe, the exhaust muffler and the attachments. Look specially for cracks and heat damage.</p> <p>Refer to Section 78-00.</p>	X	X	X	X			



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**CHAPTER 78**  
**EXHAUST**

**1. General**

If OÄM-62-038 is installed, the DA 62 is equipped with the On Top Exhaust System. The system consists of an exhaust pipe and an exhaust muffler which is mounted on top of the engine.

**2. Description**

Figure 1 shows the installation of the on top exhaust system, installed with OÄM 62-038.

The exhaust system consists of an exhaust pipe which is mounted to the turbo charger exhaust and the engine and a muffler which is mounted to the engine nacelle via a bracket and four elastomeric shock mounts.

A heat shield is attached to the muffler mounting bracket to provide glare protection for the pilot.

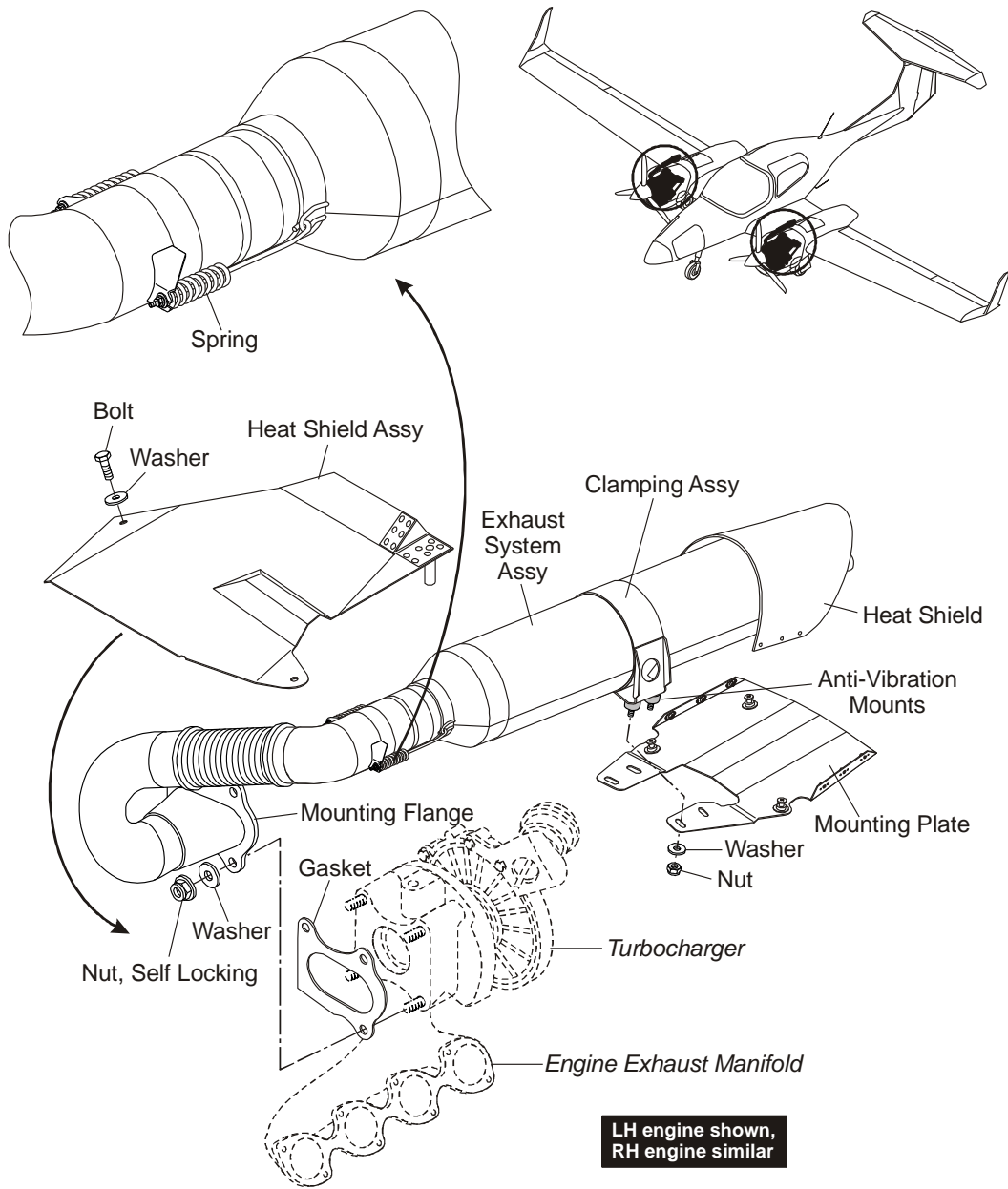


Figure 1: On Top Exhaust System Installation (OÄM 62-038)

## Maintenance Practices

### 1. General

These Maintenance Practices tell you how to remove and install On Top Exhaust System. Refer to Section 81-00 for data about the turbo-chargers.

### 2. Remove/Install the On Top Exhaust System

**WARNING: MAKE SURE THE EXHAUST SYSTEM IS COOL BEFORE YOU TOUCH IT. THE EXHAUST SYSTEM CAN BE VERY HOT, THIS CAN CAUSE INJURY TO PERSONS.**

#### A. Remove the On Top Exhaust System

	Detail Steps/Work Items	Key Items/References
	<p><b>WARNING: DO NOT STAND WITHIN THE DANGER AREA OF THE PROPELLER. IF THE ENGINE STARTS, THE PROPELLER CAN CAUSE DEATH OR INJURY TO PERSONS.</b></p> <p><b>WARNING: YOU MUST MAKE SURE THAT THE ENGINE IS SAFE BEFORE YOU DO WORK ON THE ENGINE CONTROLS. IF THE PROPELLER TURNS IT CAN CAUSE INJURY TO PERSONS.</b></p>	
(1)	Make sure that the related engine is safe: <ul style="list-style-type: none"> <li>- Set the ELECT. MASTER switch to OFF.</li> <li>- Set the ENGINE MASTER switch to OFF.</li> <li>- Set the power lever to 0%.</li> </ul>	
(2)	Disconnect the airplane main battery.	Refer to Section 24-34.
(3)	Remove the engine cowlings.	Refer to Section 71-10.
(4)	Remove the exhaust system: <ul style="list-style-type: none"> <li>- Remove the three cam locks which attach the muffler mounting plate to the engine nacelle.</li> <li>- Remove the 4 special nuts that attach the exhaust pipe to the turbo charger.</li> </ul>	Refer to Figure 1.

**B. Install the On Top Exhaust System**

	Detail Steps/Work Items	Key Items/References
	<p><b>WARNING: DO NOT STAND WITHIN THE DANGER AREA OF THE PROPELLER. IF THE ENGINE STARTS, THE PROPELLER CAN CAUSE DEATH OR INJURY TO PERSONS.</b></p> <p><b>WARNING: YOU MUST MAKE SURE THAT THE ENGINE IS SAFE BEFORE YOU DO WORK ON THE ENGINE CONTROLS. IF THE PROPELLER TURNS IT CAN CAUSE INJURY TO PERSONS.</b></p>	
(1)	<p>Install the exhaust system:</p> <ul style="list-style-type: none"> <li>- Move the exhaust pipe system into position.</li> <li>- Move the exhaust pipe flange over the studs on the turbo charger outlet.</li> <li>- Install the four special nuts that attach the exhaust pipe to the turbo charger outlet.</li> <li>- Install the 3 cam locks which attach the exhaust muffler mounting plate to the engine nacelle.</li> </ul>	<p>Refer to Figure 1.</p> <p>Use new nuts.</p>
(2)	Install the engine cowlings.	Refer to Section 71-10.
(3)	Do an engine ground run-up and then check the exhaust pipe for leaks.	Specially around the gasket at the turbo charger outlet.