

# **SERVICE INFORMATION NO. SI 42NG-030/1**

## **SUPERSEDES SERVICE INFORMATION No. SI 42NG-030**

**NOTE:** SI's are used only:  
1) To distribute information from DAI to our customers.  
2) To distribute applicable information/documents from our suppliers to our customers with additional information.  
Typically there is no revision service for SI's. Each new information or change of that will be sent along with a new SI.

## **I. TECHNICAL DETAILS**

### **1.1 Airplanes affected:**

All DA 42 NG and DA 42 M-NG airplanes

### **1.2 Subject:**

Austro Engine Mandatory Service Bulletin MSB-E4-013/1  
ATA-Code: 72-10

### **1.3 Reason:**

Austro Engine GmbH has issued Revision 1 of Mandatory Service Bulletin MSB-E4-013 prescribing an additional gearbox oil check for gearboxes with less than 100 operating hours within the next 10 flight hours at the most.

The applicability of Mandatory Service Bulletin MSB-E4-013/1 has been reduced to gearboxes with certain serial numbers. Depending on the accomplishment of given Factory Campaigns the applicability has been reduced further.

### **1.4 Information:**

For detailed technical information refer to Austro Engine Mandatory Service Bulletin MSB-E4-013/1 which is applicable without any further additions or restrictions.

## **II. OTHERS**

Austro Engine Mandatory Service Bulletin MSB-E4-013/1 is attached to this Service Information.

In case of doubt contact Austro Engine GmbH or Diamond Aircraft Industries GmbH.



Mandatory Service Bulletin  
No. MSB-E4-013/1

Austro Engine GmbH  
Rudolf-Diesel-Strasse 11  
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# MANDATORY SERVICE BULLETIN

No. MSB-E4-013/1  
SUPERSEDES MSB No. MSB-E4-013

## 1. BASIC INFORMATION

### 1.1. SUBJECT

Gearbox oil inspection

### 1.2. COMPONENTS AFFECTED

Type: E4 Engine  
Component: E4 Gearbox  
Part Number: E4A-70-000-000

Gearbox S/N effected: all S/N starting with **P**  
all S/N below **398** with less than 100 operating hours except those where FC-E4-008 or FC-E4-009 has already been performed

### 1.3. REASON

Additional oil check for early debris indication.

### 1.4. TIME OF COMPLIANCE

Within the next 10 Flight Hours (FH) or at the first 100h maintenance check, which ever comes first but not later than 31<sup>st</sup> December, 2011.

### 1.5. CONCURRENT DOCUMENTS / REFERENCES

Maintenance Manual - Doc. No.: E4.08.04, latest effective issue.

### 1.6. OTHER PUBLICATIONS AFFECTED

None.

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## 2. TECHNICAL DETAILS

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### 2.1. ACCOMPLISHMENT / INSTRUCTIONS

For the gearbox oil inspection follow the instruction given in the Austro Engine Maintenance Manual E4.08.04, latest effective issue – Chapter:

- 85-10-21 Removal of the Gearbox Magnet-Drain-Plug
- 85-10-22 Installation of the Gearbox Magnet-Drain Plug

### 2.2. ILLUSTRATIONS

See Maintenance Manual E4.08.04

### 2.3. MASS (WEIGHT)

Not applicable.

### 2.4. APPROVAL STATEMENT

The technical content of this document has been approved under the authority of DOA No. EASA.21J.399.

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### 3. PLANNING INFORMATION

#### 3.1. MATERIAL & AVAILABILITY

Amount	Part Name	Part Number	Rev. Number
2	Sealing	GN743-5.2	000
1	Oil filter 190 micron	998900001	---

#### 3.2. SPECIAL TOOLS

None.

#### 3.3. LABOR EFFORT

15 minutes labor effort for inspection.

1 hour of labor effort is credited with EUR 68,- per working hour.

Parts mentioned in 3.1 can be ordered in advance and will be credited.

For above mentioned credit(s) please send an invoice to AE.

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## 4. REMARKS

### **NOTE:**

- All measures must be carried out by a certified engine station and certified engine mechanics.
- The accomplishment of the instructions shown under chapter 2.1 must be confirmed in the respective engine log book.
- The accomplishment of the instructions must be carried out within the time of compliance according chapter 1.4.
- In case of doubt please contact the Austro Engine GmbH – After Sales Support (e-mail: [service@austroengine.at](mailto:service@austroengine.at); Tel: +43 2622 23000 2525).
- For credit information contact Austro Engine GmbH – After Sales Support (e-mail: [service@austroengine.at](mailto:service@austroengine.at); Tel: +43 2622 23000 2525)

## 5. EXPLANATORY NOTES

### 5.1. SYMBOL EXPLANATION



**WARNING:** Disregarding these safety rules can cause personal injury or even death



**CAUTION:** Disregarding these special instructions and safety measures can cause damage to the engine or other components.



**NOTE:** Additional note or instruction for better understanding of an instruction

## 6. APPENDIX

None.

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