



MSB Service Bulletin  
No. MSB-E4-007/6

Austro Engine GmbH  
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# MANDATORY SERVICE BULLETIN

**No. MSB-E4-007/6**  
**SUPERSEDES DOC. No. MSB-E4-007/5**

## 1. BASIC INFORMATION

### 1.1. SUBJECT

Replacement of Waste Gate Controller

### 1.2. ENGINES AFFECTED

Type: E4 Engine

Serial numbers:

- E4-A-00001 to E4-A-00070 having waste gate controller E4A-41-120-000 Rev. 060 or lower installed.
- E4-B-00001 to E4-B-00345 having waste gate controller E4B-41-120-000 Rev. 010 or E4A-41-120-000 Rev. 060 or lower installed.

#### ATTENTION:

The following waste gate controllers are **not** affected and Austro Engine GmbH has no objection against further use:

- E4A-41-120-000 Rev. 070 or higher
- E4C-41-120-000 Rev. 000

### 1.3. REASON

There have been cases where the rod of the Waste Gate Controller cracked. Therefore replacement with latest Waste Gate Controller design is necessary.

### 1.4. TIME OF COMPLIANCE

At next maintenance action from Date of 5<sup>th</sup> Revision, but not later than 100 operating hours or later than 30<sup>th</sup> November 2013, whichever comes first.

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## 1.5. CONCURRENT DOCUMENTS / REFERENCES

Maintenance Manual – Doc. No.:

E4.08.04, latest effective issue

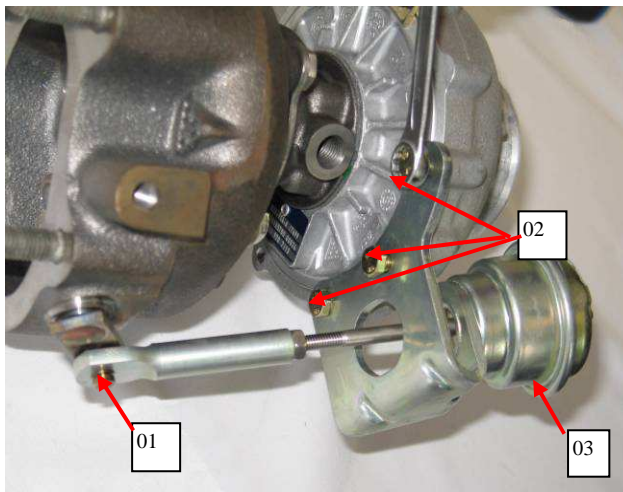
## 1.6. OTHER PUBLICATIONS AFFECTED

None.

## 2. TECHNICAL DETAILS

### 2.1. ACCOMPLISHMENT / INSTRUCTIONS

Removal of installed Waste Gate Controller:



1. Disconnect Hose at the top of the Waste Gate Controller
2. Remove three M6 Bolts [02]
3. Remove Circlip [01]
4. Disconnect rod from waste gate lever and remove waste gate controller [03]

Install new Waste Gate Controller according to table section 3.1.



**Note:** Austro Engine GmbH has no objection against further use of Waste Gate Controllers E4C-41-120-000 Rev.000 in the same configuration of the E4 engine as installed.

1. For installation refer to the instructions given in the Engine Maintenance Manual E4.08.04, Chapter 81-00-14 and Chapter 81-00-32.



Take care to install the waste gate controller according to your engine configuration.

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## 2.2. ILLUSTRATIONS

None.

## 2.3. MASS (WEIGHT)

Not affected.

## 2.4. APPROVAL STATEMENT

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

## 3. PLANNING INFORMATION

### 3.1. MATERIAL & AVAILABILITY

The following spare part can be mounted on the E4-A, E4-B and E4-C configuration of the E4 engine:

Amount	Part Name	Part Number	Rev. Number
1	Waste Gate Controller	E4A-41-120-000	070 or higher
1	Circlip	DIN 6799-5	---

For materials & availability please contact the Austro Engine GmbH – After Sales Support (e-mail: [service@austroengine.at](mailto:service@austroengine.at); Tel: +43 2622 23000 2525)

### 3.2. SPECIAL TOOLS

Not applicable.

### 3.3. LABOR EFFORT

Approximately 30 minutes.

### 3.4. CREDIT

Materials as listed in section 3.1 and transportation costs of part if within warranty time period.

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## 4. REMARKS

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### **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 to 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

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### 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

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Execution Report

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## EXECUTION REPORT TO SERVICE BULLETIN MSB-E4-007/6

### ENGINE DATA

Engine serial number: \_\_\_\_\_

Engine operating hours: \_\_\_\_\_

Date of exchange: \_\_\_\_\_

### AIRCRAFT DATA

Aircraft serial number: \_\_\_\_\_

Aircraft registration: \_\_\_\_\_

\_\_\_\_\_  
Date, Name, Signature

Please submit the completed form to fax No.: +43(0)2622-23000-2709 or to the following e-mail address: [service@austroengine.at](mailto:service@austroengine.at).

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