



Mandatory Service Bulletin  
No. MSB-E4-025

Austro Engine GmbH  
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# MANDATORY SERVICE BULLETIN

No. MSB-E4-025/2  
supersedes MSB-E4-025

## 1. BASIC INFORMATION

### 1.1. SUBJECT

Fuel injectors.

### 1.2. ENGINES AFFECTED

Engine type: E4  
Engine model(s): E4-A, E4-B, E4-C  
Serial number(s): all

### 1.3. REASON

Cases of premature injector failures have been found by Austro Engine. Failure of the fuel injectors can lead, if not detected, to loss of compression and subsequently to engine failure. As precautionary action Austro Engine prescribes a time limit for the fuel injectors.

### 1.4. TIME OF COMPLIANCE

Initial action:

- Upon reaching 900 flight hours in service time of the fuel injectors
- For fuel injectors with more than 800 flight hours but not more than 1000 flight hours as of 01-Oct-2018: No later than 1150 flight hours in service time or 01-Oct-2019, whichever comes first.
- For fuel injectors with more than 1000 flight hours but not more than 1400 flight hours as of 01-Oct-2018: No later than 1500 flight hours in service time or 01-Oct-2019, whichever comes first.
- For fuel injectors with more than 1400 flight hours as of 01-Oct-2018: Within the next 100 flight hours, but not later than 01-Oct-2019, whichever comes first.

Terminating Action:

- Not later than 01-Oct-2019.

Prior compliance with MSB-E4-025 is considered equivalent to the initial action.

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## 1.5. CONCURRENT DOCUMENTS / REFERENCES

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

## 1.6. OTHER PUBLICATIONS AFFECTED

None.

## 2. TECHNICAL DETAILS

### 2.1. ACCOMPLISHMENT / INSTRUCTIONS

Initial Action:

1. Replace the fuel injectors according to Maintenance Manual section 73-00-10.



**WARNING:**

Make sure not to over-torque the injector bolts. Over-torquing an injector bolt can lead to damage of the engine and subsequent power loss.

2. Fill in the attached tags and return the removed injectors to Austro Engine.
3. Make all necessary entries in the engine log.

Terminating Action:

If the time in service of the fuel injectors is less than 900 hours or after the fuel injectors have been replaced, repeated compliance with this Service Bulletin may be terminated after completion of the following steps:

1. Make sure MM-TR-MDC-E4-454 is inserted into the Maintenance Manual or a Maintenance Manual revision with MM-TR-MDC-E4-454 incorporated is used.
2. Record the terminating action of this Service Bulletin as completed in the engine log.

### 2.2. MASS (WEIGHT)

None.

### 2.3. APPROVAL STATEMENT

The technical content of this document has been approved under the authority of DOA ref. EASA.21J.399.

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### 3. PLANNING INFORMATION

#### 3.1. MATERIAL & AVAILABILITY

Qty	Part Number	Description
4	E4A-35-000-000	Injector
4	E4A-03-000-801	Gasket rings
4	E4A-03-000-802	Screws

#### 3.2. SPECIAL TOOLS

As stated in the Maintenance Manual E4.08.04.

#### 3.3. LABOR EFFORT

2.5 hours.

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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.
- 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)
- Corresponding „Core“ value will and can only be credited when the returned injectors are tagged correctly and received in good condition (no physical damages).

## 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

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 <b>Austro Engine</b>	<b>Injector 4</b> Part Number _____ Serial Number _____ IQA-Code _____ TSN _____ Engine S/N _____ Aircraft S/N _____ Signature _____
 <b>Austro Engine</b>	<b>Injector 3</b> Part Number _____ Serial Number _____ IQA-Code _____ TSN _____ Engine S/N _____ Aircraft S/N _____ Signature _____
 <b>Austro Engine</b>	<b>Injector 2</b> Part Number _____ Serial Number _____ IQA-Code _____ TSN _____ Engine S/N _____ Aircraft S/N _____ Signature _____
 <b>Austro Engine</b>	<b>Injector 1</b> Part Number _____ Serial Number _____ IQA-Code _____ TSN _____ Engine S/N _____ Aircraft S/N _____ Signature _____

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