



Mandatory Service Bulletin
No. MSB-E4-022/1

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MANDATORY SERVICE BULLETIN

No. MSB-E4-022/1
SUPERSEDES MSB-E4-022

1. BASIC INFORMATION

1.1. SUBJECT

Waste Gate Control Rod.

1.2. ENGINES AFFECTED

Engine type: E4
Engine model(s): E4, E4P
Serial number(s): all

1.3. REASON

A range of waste gate control rods with insufficient fatigue life has been identified. Failure of the waste gate control rod will lead to a partial loss of power. This Service Bulletin describes the identification and replacement of the affected waste gate controllers. In addition an improved circlip is installed.

1.4. TIME OF COMPLIANCE

Within the next 50 flight hours, but not later than 31-Jan-2018.

1.5. CONCURRENT DOCUMENTS / REFERENCES

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

1.6. OTHER PUBLICATIONS AFFECTED

None.

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2. TECHNICAL DETAILS

2.1. ACCOMPLISHMENT / INSTRUCTIONS

1. Make sure MM-TR-MDC-E4-386 and MM-TR-MDC-E4-399 are inserted into the Maintenance Manual E4.08.04 or a revision of the MM with the Temporary Revisions incorporated is used.
2. Check if the waste gate controller has one of the following markings next to the part number:
 - SMK F** 08 15R**
 - SMK F** 02 16R**

Where * stands for a single-digit number or a blank.



CAUTION: The installation instructions in the maintenance manual must be strictly observed. Disregarding these special instructions and safety measures can cause damage to the waste gate controller.

3. For waste gate controllers with markings as identified under 2. replace the waste gate controller with a waste gate controller not marked as listed under 2. according to Maintenance Manual section 81-00-33.
4. If MSB-E4-024/1 or RSB-E4-024 is not installed, replace the circlip DIN6799-5 with the spring loaded circlip E4A-41-100-801. For removal and installation refer to Maintenance Manual E4.08.04. Refer also to figure 4

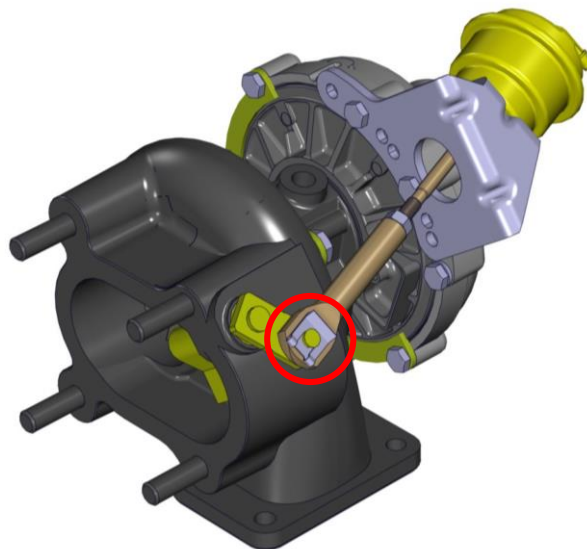


Figure 4: Waste Gate Circlip

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2.2. MASS (WEIGHT)

Negligible.

2.3. 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

Qty	Part Number	Description
1	E4A-41-120-000	Waste Gate Controller (only if the waste gate controller must be replaced)
1	E4A-41-100-801	Spring loaded circlip (only if MSB-E4-024/1 or RSB-E4-024 is not installed)

3.2. SPECIAL TOOLS

As stated in the Maintenance Manual E4.08.04.

3.3. LABOR EFFORT

0.5 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; Tel: +43 2622 23000 2525).
- For credit information contact Austro Engine GmbH – After Sales Support (e-mail: 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

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