

SERVICE INFORMATION NO. SI 42NG-012

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 aircraft

1.2 Subject:

AE Mandatory Service Bulletin MSB-E4-007
ATA-Code: 72-40

1.3 Reason:

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

1.4 Information:

For detailed technical information refer to AE MSB-E4-007, which is applicable without any further additions or restrictions.

II. OTHERS

The AE MSB-E4-007 is attached to this SI.

In case of doubt contact Austro Engine GmbH.



MSB Service Bulletin
No. MSB-E4-007

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MANDATORY SERVICE BULLETIN

No. MSB-E4-007

1. BASIC INFORMATION

1.1. SUBJECT

Replacement of Waste Gate Controller

1.2. ENGINES AFFECTED

Type: E4 Engine

Serial numbers: E4-B-00001 to E4-B-00090

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 Issue, but not later than 50 operating hours or later than 31st December 2010, whichever comes first.

1.5. CONCURRENT DOCUMENTS / REFERENCES

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

1.6. OTHER PUBLICATIONS AFFECTED

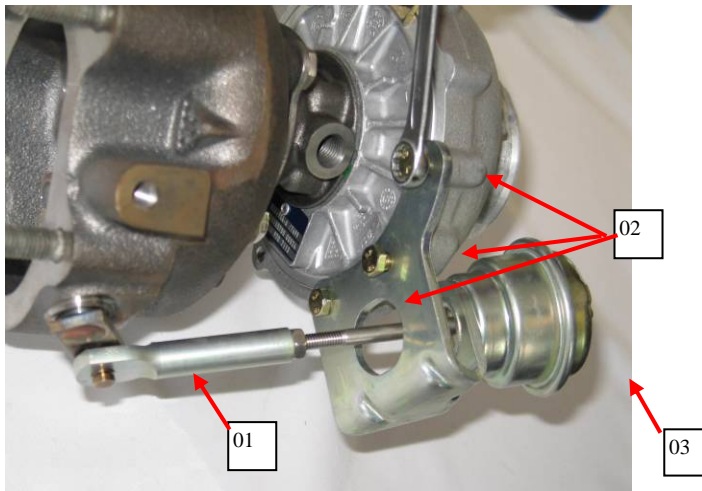
None.

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2. TECHNICAL DETAILS

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 P/N E4B-41-120-000-000

1. Install the three M6 Bolts [02] and torque them with 7 Nm
2. Attach external pump to the top of the Waste Gate Controller and apply pressure till the rod starts to move
3. Connect rod to waste gate lever
4. Adjust Waste Gate Controller according to Engine Maintenance Manual E4.08.04, Chapter 81-00-32.



Note: For fixing of the rod on the waste gate lever use new circlip.

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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

- Waste Gate Controller E4B-41-120-000-000
- Circlip

3.2. SPECIAL TOOLS

Not applicable.

3.3. LABOR EFFORT

Approximately 30 minutes.

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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; 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

6. APPENDIX

None.

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