



Service Bulletin  
No. RSB-E4-016

Austro Engine GmbH  
Rudolf-Diesel-Strasse 11  
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# RECOMMENDED SERVICE BULLETIN No. RSB-E4-016

## 1. BASIC INFORMATION

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### 1.1. SUBJECT

Oil dip stick: Renewal of thread lock of oil level rod.

### 1.2. ENGINES AFFECTED

Type: E4 Engine

Serial numbers:

- All engines having oil dip stick E4A-51-100-000 Rev. 030 installed.

### 1.3. REASON

In very few cases the rod of the oil dip stick has become loose and has dropped into the oil sump.

### 1.4. TIME OF COMPLIANCE

At next maintenance action, but not later than 100 operating hours or later than 31<sup>th</sup> Aug 2013, 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 Oil dip stick:

1. Unscrew oil dipstick and take out from engine.
2. Verify that oil dipstick has no marking confirming that this RSB has been conducted (see figure in work step 6 for reference).
3. Fix rod of oil dip stick in bench vise. Protect surface of rod to prevent scratches or similar resulting from the next work steps.



4. Apply localized heat to the assembly to approximately 100-150°C. Unscrew handle counterclockwise from rod while hot.



5. Clean rod and handle thoroughly from residual oil, glue and any dirt with a soft scraper. Glue can be easier removed if soaked in a solvent (e.g. Loctite® 7200).



**Note:** In case a tapper is used for cleaning take care not to destroy the thread in the handle.

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6. Apply marking onto the handle as displayed below by drilling a hole (3mm or similar) with a depth of approx. 2-3 mm.



7. Ensure that threaded surfaces are dry. Refer also to the requirements of bonding material used in next work step.
8. Apply LOCTITE<sup>®</sup> 2701 onto the thread of the rod.
9. Screw handle carefully onto rod until required force is slightly increasing.
10. Apply another 90° turn to the handle.
11. Let oil dip stick cure according to specifications of LOCTITE<sup>®</sup> 2701.
12. Install oil dip stick onto engine.

## 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.

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### 3. PLANNING INFORMATION

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#### 3.1. MATERIAL & AVAILABILITY

No materials/parts from AE are required. In case of broken/damaged parts 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

None.

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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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None

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