

# MANDATORY SERVICE BULLETIN

## NO. MSB-AE50R-002

### **I TECHNICAL DETAILS**

#### **I.1 Category**

Mandatory

#### **I.2 Engines affected**

AE50R Series

Serial Numbers: R1-1002 up to -1010, R1-2002 up to -2008, R1-2010

#### **I.3 Date of Effectivity**

This Service Bulletin becomes effective on 25-Apr-2006.

#### **I.4 Time of Compliance**

With the next 10 hours of operation starting from the date of effectivity, but not later than 31-May-2006

#### **I.5 Subject**

Fixation of the grub screws in the generator rotor assembly.

#### **I.6 Reason**

Normally the grub screws are fixed with LOCTITE 648. Due to a production error this fixation is missing in a few generator rotor assemblies. Thus it is possible that these screws become loose.

#### **I.7 Concurrent Documents**

None

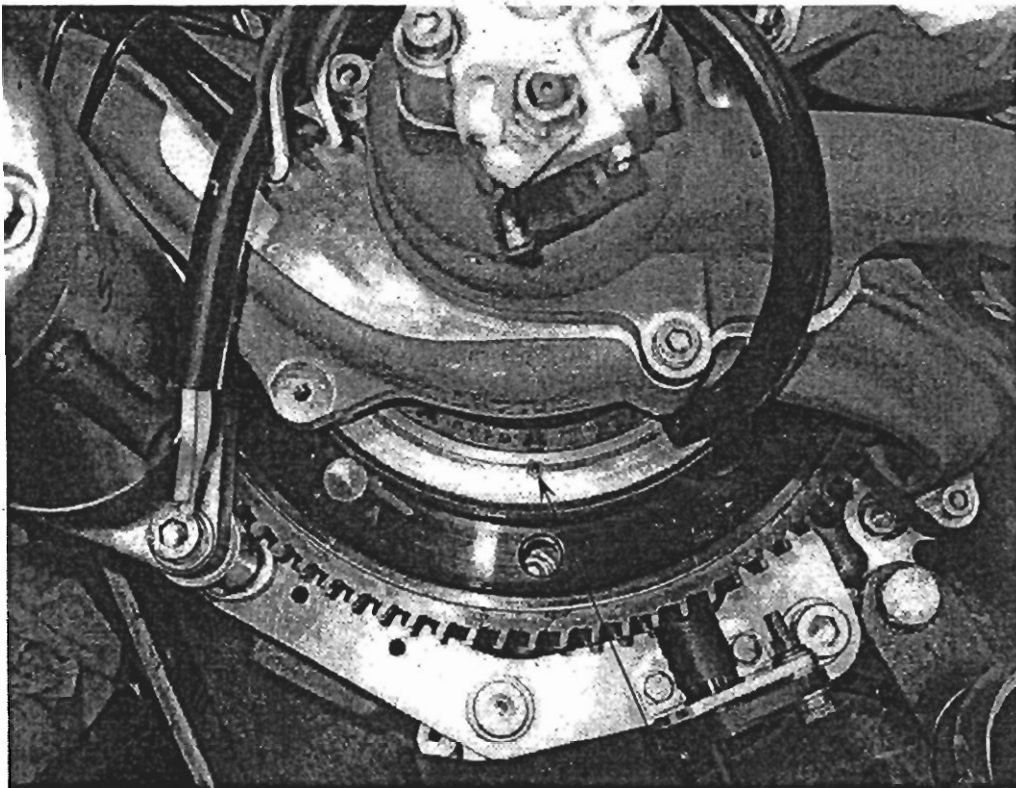
**I.8 Approval**

The technical information or instructions contained in this document relate to the Type Design definition.

The technical content of this document has been approved under the authority of DOA No. EASA.21J.052.

**I.9 Accomplishment/Instructions**

- Remove all three grub screws in the generator rotor assembly (see Pos 1 in the following picture)
- Clean the grub screws and the tapped holes with ACETON.
- Screw in the grub screws and paste them into the holes using LOCTITE 648
- Clean the working area



Pos 1

**I.10 Mass (Weight) and CG**

Not affected.

## **II PLANNING INFORMATION**

### **II.1 Material & Availability**

- LOCTITE 648

### **II.2 Special Tools**

None

### **II.3 Labor effort**

Appr. 1/2 h

### **II.4 Credit**

1/2 man hour of work

### **II.5 Reference Documents**

None

## **III REMARKS**

1. All measures must be carried out and documented in accordance with national regulations by a certified engine service station or a certified engine maintenance mechanic.
2. Accomplishment of the measures must be confirmed in the log book.
3. In case of doubt, contact Diamond Engines.