

SERVICE BULLETIN NO. MSB-AE50R-004

I. TECHNICAL DETAILS

1.1 Category

Mandatory

1.2 Engines affected

Engine affected: **AE50R Series**

Serial Numbers affected: **AE50RAB** #1011 – 1036, 1040, 0250, 0270 and 0541
IAE50R-AA #2009, 2011, 2017, 2028-2033 and 2038 - 2044

1.3 Date of effectivity

This Service Bulletin becomes effective on the 2nd October, 2009.

1.4 Time of compliance

Measure 1: To be considered from the date of effectivity.

Measure 2: At the next scheduled maintenance action but not later than 1st June, 2010.

1.5 Subject

Rotor R1A-70-200-000 / R1B-70-200-000

1.6 Reason

Recently severe engine failures including cracks of the engine housing due to a released radial dowel of the engine rotor occurred. Investigation of the damages has shown that these failures have been caused by an insufficient welding of the dowel.

These flaws in welding are limited to certain production batches of rotor assemblies which are installed in the above mentioned engines.

1.7 Concurrent documents

None.

1.8 Approval

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

1.9 Coordination, Austro Engine

After Sales Support (Austro Engine GmbH)
service@austroengine.at
Tel No. +43-2622-23000-2525

1.10 Measures

Measure 1: Self launching is not allowed until measure 2 has been carried out.
It is recommended not to operate the engine until measure 2 has been carried out.

Measure 2:

- Remove engine in accordance with the Aircraft Maintenance Manual.
- Send engine to Austro Engine GmbH. For further details contact Austro Engine After Sales Support (see 1.9)

Note: The rotor will be exchanged at Austro Engine in accordance with the internal WI-MSB-AE50R-004.

- After receiving back the engine install engine in accordance with the Aircraft Maintenance Manual

CAUTION: Engine operation without performing measure 2 may cause severe damage to the engine.

1.11 Recurring actions

None

1.12 Mass (Weight) and CG

None

II. PLANNING INFORMATION

For coordination of measure 2 contact Austro Engine After Sales Support (see 1.9)

2.1 Material and availability

N.a.

2.2 Special tools

N.a.

2.3 Labor consumption

N.a.

2.4 Reference documents

N.a.

2.5 Credit

For credit contact Austro Engine GmbH.

III. REMARKS

1. Due to the complexity of the work and the needed special tooling the change of the rotor can only be done at the Austro Engine GmbH facility.
2. Accomplishment of the measures must be confirmed in the log book.
3. In case of any doubt, contact Austro Engine GmbH.