



CIVIL AVIATION AUTHORITY
CZECH REPUBLIC
Airworthiness Division

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AIRWORTHINESS DIRECTIVE

Number: CAA-AD-048/2001R3

Supersedes CAA-AD-048/2001R2

Date of issue: March 4, 2003

Bombardier - Rotax

912 A/F/S, 914 F

ENGINE – CRANKCASE – INSPECTION

Applicability:

Rotax 912 A Series engines, S/N up to and incl. 4,410.471

Rotax 912 F Series engines, S/N up to and incl. 4,412.816

Rotax 912 S Series engines, S/N up to and incl. 4,922.766

Rotax 914 F Series engines, S/N up to and incl. 4,420.313

| **Effective date:** Upon receipt

| **Compliance:** Required as indicated in AC AD 107-2001R3.

Remarks: The compliance of this AD must be recorded in Engine Logbook, where applicable the requirements of this AD must be integrated into Aircraft Technical Documentation. Address inquiries concerning this AD to: Civil Aviation Authority, Airworthiness Division, Ruzyně Airport, 160 08 Prague 6, Czech Republic, tel: 420 233320922, fax: 420 220562270.

Ing. Pavel MATOUŠEK
director

AIRWORTHINESS DIRECTIVE

No. 107 R3

Inspection for possible cracks in the crankcase of Rotax 912 A/F/S Series and Rotax 914 F Series engines

1. Applicability:

Rotax 912 A Series engines, S/N up to and incl. 4,410.471

Rotax 912 F Series engines, S/N up to and incl. 4,412.816

Rotax 912 S Series engines, S/N up to and incl. 4,922.766

Rotax 914 F Series engines, S/N up to and incl. 4,420.313

2. Subject: Inspection for possible cracks in crankcase

3. Reason: During the operation certain cracks in crankcase were detected.

4. Action: A detailed visual inspection of the crankcase have to be carried out within the compliance time.

The technical information of Bombardier Rotax Service Bulletin SB-912-029 R1 and SB-914-018 R1, issue JANUARY 2003, are herewith part of this AD.

5. Compliance:

a) initial inspection within 50 flight hours, but not later than 01 June 2001, according referenced Bombardier Rotax SB-912-029 R1 for engines of type 912 A and 912 F concerned therein under Group A.

b) initial inspection within 50 flight hours, but not later than 01 January 2002, according referenced Bombardier Rotax SB-914-018 R1 for engines of type 914 F concerned therein under Group A.

c) initial inspection within 50 flight hours, but not later than 01 March 2003, according referenced Bombardier Rotax SB-912-029 R1 for engines of type 912 A, 912 F and 912 S concerned therein under Group B.

d) every 100 flight hours inspection according referenced Bombardier Rotax SB-912-029 R1 respectively SB-914-018 R1 on all referenced engines.

6. Accomplishment: The required action has to be accomplished by the manufacturer or by a licensed/qualified person. An entry into the aircraft log has to be done.

7. Effective Date: 01. February 2003.