

## AIRWORTHINESS ADVICE NOTICE

TYPE AFFECTED: All powered sailplanes fitted with Rotax 912 and 914 engines.

SUBJECT: Miscellaneous airworthiness information.

RECOMMENDED PROCEDURES:

Issue 1 of this AN contained the recommended procedure for correctly checking the oil level in the above engines. Rotax Service Instruction No SI-27-1997 R1 described the procedures to be followed which has been superseded by the relevant Maintenance Manual (Latest Edition).

Issue 2 contained copies of the Rotax Service Bulletin Extension Of Time Between Overhauls (TBO) No. SB-912-041 / SB-914-027. Both have been removed this issue replaced by a Rotax website link.

EXTENSION OF TBO:

Issue 3 updates Rotax 912 (A, F & S) / 914 (F) Extension of Time Between Overhauls (TBO) information contained in the current Service Bulletins No. SB-912-057 R1 / SB-914-039.

Both service bulletins **conditionally** extend the engine series TBO to 2000 hours or 15 years whichever occurs first. The current Rotax engine 912 / 914 service instructions and service bulletins can be viewed at:

<https://www.flyrotax.com/services/technical-documentation.html>

DEFECTS:

1. A HK 36 TTC powered by a Rotax 914 turbocharged engine ran rough at full power. When power was reduced, the engine ran normally. The Rotax 914 engines are fitted to variants of both the HK 36 and Stemme S10 and S12. Investigation and ground run established that fuel was leaking from the carburettor bowl gasket at high power. The older style float chamber gasket was fitted, and the fuel bowl attachment bolt was found requiring more than half a turn to tighten which stopped the leak. This condition if it had not been corrected could have resulted in an engine fire. AWA 2016-3 was issued now cancelled.

Rotax continually carry out product improvement. This is reflected in Rotax Service Instruction SI 914-014R1. It is recommended when carrying out maintenance to ensure that the fuel bowl is torqued correctly. It is further recommended that the old type cork gasket is replaced with the latest type (PN 830728). Also take note that the attachment bolt

SIGNED:



GFA Chief Technical Officer

For and on behalf of:

**THE GLIDING FEDERATION  
OF AUSTRALIA**

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assembly has also been upgraded now incorporating an O ring seal (PN 963281). Ensure the part numbers listed above are the correct parts for your model engine. Reassemble the carburettor IAW manufacturer's instructions.