



----- Training Course Syllabus -----

912 & 914 Service Course

Course fee includes copies of current *Operators, Line Maintenance* and *Parts manuals* as well as a full color *Workbook*.

Due to the hands-on aspect the maximum class size is 12 persons.

Pre-Requisites:

1. General Knowledge of Rotax 4 stroke Aircraft Engines
2. General Knowledge Aircraft systems and terminology

Intended Audience:

Owner / Operator / Maintenance technicians seeking in-depth knowledge for the proper operation and maintenance of the Rotax 912 and 914 Series Aircraft Engine.

3 Day course covering the following according to the Line Maintenance and Operators Manuals:

- Communications & Publications:
Locating and understanding information such as Operators Manuals, Maintenance Manuals & Service Information
- Breaking down the engine into systems allows understanding of the engine without being overwhelmed. Theory and discussion are balanced by lots of “hands-on” maintenance and troubleshooting of the following systems:
 - Ignition System
 - Cooling System
 - Lubrication System
 - Fuel System
 - Carburetion
 - Gearbox
 - 914 Turbo and Turbo control systems
 - Instrumentation Systems
 - Maintenance and troubleshooting issues

Examination:

Open book Written and practical examinations. 75% passing grade as well as full attendance is required for iRMT candidates. Non iRMT participants will receive Certificate of attendance.

Preparation:

- ❑ Participants should be prepared for hands-on work on in-service engines and the use of diagnostic tools. All participants must perform the tasks; observers are not permitted.
- ❑ Some work is performed outside so appropriate clothing for the season is required.
- ❑ Discussion and constructive debate is encouraged and expected of the participants.

Conclusion:

A must for all everyone operating or maintaining the ROTAX 912/914 series engines! At the end of this 3 day Line Maintenance course, the learner will understand the basic operational theory and maintenance requirements of Rotax 912/914 series 4 Stroke Aircraft Engines.

- ❑ Certificate awarded for successful completion.
- ❑ 24 hours of initial, recurrent or update training.