

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

912 & 914 Maintenance Course

Course fee includes copy of current *Heavy Maintenance Manual*.

Due to the hands-on aspect and space limitations the maximum class size is 6 persons.

Pre-Requisites:

1. Completion of a recognized Rotax 912/914 Service course
2. Minimum 1 year hands on experience maintaining Rotax 4 stroke Aircraft Engines.

Intended Audience:

Maintenance Personnel seeking in-depth Heavy Maintenance information on Rotax 912 and 914 Series Aircraft Engine.

2 Day hands-on course covering the following according to the Maintenance Manuals:

- Detailed Maintenance issues and tips on the following Systems or Components:
 - Cylinder Heads
 - Cylinders and pistons
 - Gearbox
 - Starter
 - Alternator
 - Carburetors
- Hands-on removal, inspection and re-assembly of the following components:
 - Gearbox
 - Carburetors
 - Oil pump
 - Stator
 - Cylinders / pistons and cylinder heads
 - Valve train

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 and precision tools.
- All participants must perform the tasks; observers are not permitted.
- Some work such as test run of the engine is performed outside so appropriate clothing for the season is required.
- Discussion and constructive debate is encouraged and expected of the participants.

Conclusion:

At the end of this 2 day hands-on Maintenance course, the learner will have gained hands-on experience in Maintenance aspects such as gearbox removal and replacement.

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