



Independent Rotax Maintenance Technician (iRMT) Rotax 912 / 914 Service Course

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 Servicing of the Rotax 912 / 914 Aircraft Engine.

3 Day course covering the following with reference 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:
 - Ignition System
 - Cooling System
 - Lubrication System
 - Fuel System
 - Carburetion
 - Gearbox
 - Instrumentation Systems
- Basic servicing including verifying oil level, checking of magnetic plug, performing an oil change, inspecting oil filter for contamination and purging of the oil system
- Checking propeller gearbox general condition and verifying friction torque.
- Carburetor Synchronization and needle adjustment.
- Differential and direct compression tests.
- Inspections as per manufacturer's published maintenance schedules.
- Ensure the proper function of the 914 Series engine fuel system.
- Inspect the turbo system and all mechanically related components.
- Calibrate the throttle positioning sensor.
- Verify the proper functioning of the waste gate.
- Inspect and verify for the proper function of all engine sensors.
- Retrieve information from the turbo control unit (TCU).
- Test run of engine.

Conclusion:

A must for everyone operating or maintaining the ROTAX 912 / 914 engines!

At the end of this 3 day Servicing course, the learner will have gained basic proficiency and pre-requisite experience required to perform routine maintenance up to an Annual Inspection.

- Certificate of attendance awarded for successful completion.
- Eligibility to enter the iRMT Maintenance Course.
- Serves as pre-requisite experience for engine type as listed in FAR 65.81.
- Serves as 16 hours of initial, recurrent or update training when and where applicable.

Fees:

912 / 914 Service Course

\$ 750.00*

Fees include necessary manuals. Applicable taxes are extra. Fees are Non-Refundable within 30 days of course dates and a \$100 cancellation fee (per course) applies if applicant cancels 30+ days of course date. Course seats can not be reserved without full payment. Travel and accommodation expenses are not included - you will need to make your own travel arrangements and a rental car may be necessary for local transportation.

Registration:

Advance registration is required. To register call 236-600-0137 or e-mail training@rotechflightsafety.ca. Include a credit card number or authorized purchase order number to confirm registration.

Location:

Courses are held at ROTECH MOTOR Ltd., 6235 Okanagan Landing Rd. Vernon, BC Canada.



ROTECH MOTOR LTD.

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