AUTOGYRO MAINTENANCE COURSE – COURSE CONTENT

The following is the current chronological order and course content of the AutoGyro Maintenance Course (previously Line and Heavy Maintenance) for AutoGyro MTO Sport, MTO2017, Calidus and Cavalon gyroplanes:

Day 1 - Theory

- Explanation of the AutoGyro Certification Program
- Explanation of Service Bulletins and Service Information Letters
- Use of the ATA100 Standard
- Looking at the structure and using the AutoGyro Aircraft Maintenance Manuals and Job cards
- Use of the Illustrated Parts Catalogue
- Using the AutoGyro online shop
- Looking at the Event and Configuration Log
- Understanding the Incident Report and Warranty claim form
- Using the Maintenance Protocol and Additional Work Report

Day 1 – Practical – MTO Sport

All the following practical work is carried out using the current Maintenance Protocols for the relevant aircraft:

- Removing and inspecting the rotor system

Day 2 – MTO Sport

- Explanation of the Pneumatic System
- Further progression through the Maintenance Protocol, covering:
    1. Cockpit
    2. Nose gear/rudder controls
    3. Flight controls
    4. Airframe/fuselage
    5. Pitot-static system
    6. Main gear and brakes
    7. Pre-rotator
    8. Rotor head

Day 3 (AM) – MTO Sport

9. Fuel system
10. Oil system
11. Coolant system
12. Propeller
13. Engine and accessories
14. Finalization work

During this phase, references to indications of Special Operational Incidents (i.e. heavy landings, blade strikes and propeller strikes) and any other common issues will also be covered.

Day 3 (PM) – Critical Components – Rotor Head

- Stripping and re-building/setting up rotor head ll & lll

Day 4 – Calidus

Working through the Calidus Maintenance Protocol and covering:

1. Nose gear
2. Cockpit
3. Rudder control run
4. Flight control
5. Explanation of the pneumatic system
6. Airframe/Fuselage
7. Pitot-static system
8. Main gear and brakes
9. Pre-rotator
10. Rotor head
11. Fuel system
12. Oil system
13. Coolant system
14. Engine and accessories

Day 5 (AM) – Cavalon

Working through the Cavalon Maintenance Protocol and covering (only differences from Calidus):

1. Nose Gear
2. Cockpit
3. Rudder control
4. Flight control
5. Airframe/fuselage
6. Pitot-static system
7. Fuel System
8. Oil system
9. Coolant system

During all previous phases, references will be made to the MTO2017 pointing out equivalent checks made on that aircraft.

Day 5 (PM)

- Working through the MTO2017 Maintenance Protocol (majority of servicing points are covered within the previous aircraft seminars)
- Maintenance written test (multiple choice)
- Final questions and clear up.