AUTOGYRO CAVALON Model Guide

The AUTOGYRO CAVALON is a piston-powered, two-seat gyroplane built by AutoGyro GmbH of Hildesheim, Germany. Family-level registry data shows up to 2 passengers, up to 90 kt cruise, up to 500 nm range and up to 600 kg MTOW. Some aircraft are fitted with the Rotax 915iS engine.

KEY TAKEAWAYS

- Family-level figures: up to 90 kt cruise, up to 500 nm range, up to 600 kg MTOW, up to 2 passengers.
- Check the service history for open service bulletins on the fuel tank cap O-ring and, on Rotax 915iS aircraft, the oil thermostat.
- Periodic service is due at 25 h, then every 100 h or annually, using the manufacturer's worksheet.
- Keep the flight manual (Revision 1.3 reviewed) current and on board; it is no substitute for proper training.

SERVICE BULLETINS TO VERIFY

AG-SB-2019-03-B-EN (Recommended) replaces the tank cap O-ring on serials V00367 to V00429, excluding V00418, V00426 and V00428; do it at the 25 h service. AG-SB-2020-02-B-ENr2 upgrades the oil thermostat on Rotax 915iS aircraft up to V00473, excluding V00398, V00443 and V00450.

OIL PRESSURE CONCERN (ROTAX 915IS)

AutoGyro received market feedback that, particularly at altitude, Rotax 915iS oil pressure can fall to its minimum operating pressure of 2 bar. The improved thermostat and oil cooler circuit improves oil flow and pressure. Labour is about 2.0 hrs and is covered by the bulletin.

PERIODIC INSPECTION ITEMS

The worksheet covers the rotor teeter angle (14° +/-1°), rotor blade bolt torque (20 Nm +/-5 Nm), mast bolt torque (20 Nm), pneumatic system leak limit (0.5 bar/hr maximum), nose tyre pressure (1.5 to 1.8 bar) and main tyre pressure (2.0 to 2.2 bar). The mast assembly is removed and inspected at 200 hr.

SPECIFICATIONS

Max Mtow Kg	600
Max Passengers	2

PERFORMANCE

Max Cruise Speed Kt	90
Max Range Nm	500

SAFETY NOTES

- Operate only within the limitations and procedures in the flight manual; failure to follow them or to take proper flight instruction can be fatal.
- Maintenance must be done by trained, authorised people; an out-of-date maintenance manual may leave the aircraft unsafe or not airworthy.
- Record completion of service bulletins in the aircraft documentation.

AI-aggregated guide for the AUTOGYRO CAVALON · sources: Flight and Operation Manual for Gyroplane Cavalon (#101101) · Manufacturer Maintenance Manual (#100423) · Cavalon Tank Cap O-Ring Replacement (#101388) · Cavalon Periodic Service Worksheet (#101389) · Cavalon Oil Thermostat Assembly Upgrade (#101390) · generated 2026-10-18 · Reference only, not for flight. Check the original documents before relying on this guide.