



SCHEDULED ANNUAL PERIODICAL INSPECTION OR INSPECTION AFTER 100 FH

Aircraft S/N:	TSN (FH):
Registration mark:	TSN (cycles):
Type of inspection:	

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Chpt.	Prescribed works	Made by	Checked by
	General		
	Check the aircraft's logbooks for condition and check if all prescribed records are current (airplane log book, engine log book, propeller log book, and etc.).		
	Check the remaining service life of life limited items.		
	Check that the replacement or overhaul of life limited parts has been in accordance to their specified intervals.		
	Assure that replacements of these parts are performed in appropriate intervals.		
	Check all issued Airworthiness Directives for their accomplishment.		
	Check all aircraft, engine and propeller service bulletins for their accomplishment.		
	Clean the cockpit carefully.		
	Clean the aircraft's exterior, engine and propeller carefully.		
	Check all exterior and interior markings and placards for their condition (legibility, placement and security).		
	Remove and/or open all required covers and hatches.		
	Jack and support the aircraft.		
3	Fuselage		
	Visually check surface condition including fiberglass parts - loosened rivets, deformation, cracks and some other damage.		
	Visually check wing center section- loosened or missing rivets (especially on the bottom part of fuselage skin where the skin is riveted to the main wing center section spar) deformation, cracks and some other damage.		
	Check condition of fuselage-wing and fuselage-stabilizer fairings.		
	Check condition of foot rests.		
	Check condition and attachment of the tailskid.		
	Check condition and attachment of the towing gear (if installed); check for free travel of the control lever.		
	Check condition and attachment of the canopy frame.		
	Check condition of the canopy plexiglass and fixed windows (scratches, cracks, silvering).		
	Check condition and function of canopy gas struts.		
	Check attachment and function of the sunshield.		
	Check condition of the canopy control including canopy lock.		
	Check condition and adjustment of terminal switches.		
	Check condition of rubber sealing of the canopy.		

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4	Wing		
	Visually check surface condition - loosened or missing rivets especially in the root area where the skin is riveted to the main spar) deformation, cracks and some other damage.		
	Check play in the wing attachments; check fuselage – wing attachment hardware for tightening.		
	Check condition of antislip strips.		
	Check condition of the wing lockers.		
	Check condition and attachment of the wing tips.		
	Aileron		
	Visually check surface condition - loosened rivets, deformation, cracks and some other damage.		
	Check for free travel.		
	Check hinges.		
	Check for securing control links.		
	Check condition and attachment of the trim tab (right aileron only).		
	Flap		
	Visually check surface condition - loosened rivets, deformation, cracks and some other damage.		
	Check for free travel.		
	Check hinges.		
	Check condition of the control rods and actuator.		
5	Tail Unit		
	HTU		
	Visually check surface condition - loosened rivets, deformation, cracks and some other damage.		
	Check horizontal stabilizer attachment and securing.		
	Check elevator attachment and securing.		
	Check condition and attachment of elevator tips.		
	Check free travel of the elevator.		
	Check condition of stop (elevator fully deflected down).		
	Check condition and attachment of the trim tab.		
	Check trim tab actuator connector for connection and securing.		
	Check condition and attachment of the balance tab.		
	Check condition and securing of the elevator control rod and the trim tab control actuator.		
	VTU		
	Visually check surface condition - loosened rivets, deformation, cracks and some other damage.		
	Check attachment and securing of the rudder lower hinge.		



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5	Tail Unit (continued)		
	Check for free travel of the rudder.		
	Check condition of the stops on the vertical fin.		
	Check attachment and securing of rudder cables.		
	Check run cables over pulleys, securing of the pulleys.		
6	Control		
	Aileron and Elevator Control		
	Check for free travel of control (see 6.4.2).		
	Check plays (see 6.4.1).		
	Check securing of links.		
	Check condition of the stops.		
	Rudder Control		
	Check free play of control (see 6.4.2).		
	Check plays (see 6.4.1).		
	Check securing of turnbuckles.		
	Check condition and attachment of pedal springs.		
	Check condition and tension of cables (see 6.4.5).		
	Check adjustment of pedals and full deflections in all position.		
	Flap Control		
	Check for free travel of the control lever.		
	Check securing of links.		
	Check condition of control actuator and position indicator.		
	Control of the Pitch and Roll Trim Tab		
	Check condition of the control actuators and position indicators.		
	Check plays (see 6.4.1).		
	Check securing of links.		
	Check trim tab neutral position adjustment.		
7	Equipment		
	Check cleanness and condition of upholstery.		
	Check condition of seats.		
	Check condition, damage, function and attachment of safety harnesses and straps in baggage compartment.		
	Check condition and attachment of ELT.		
	Check attachment and security of BRS parachute container and rocket.		
	Check security and routing of airframe BRS bridles		

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7	Equipment (continued)		
	Check attachment, security and routing of BRS activating handle.		
	Check attachment of egress cover.		
8	Landing Gear		
	Main Landing Gear		
	Check condition of landing gear legs and attachment points.		
	Check attachment of the wheel axis.		
	Remove and disassemble wheel, clean and lubricate the bearings; reassemble it and install back.		
	Check condition, wear and inflation of tires.		
	Check condition of the wheel disk for occurrence of cracks.		
	Check securing of bolts.		
	Check wheel for free rotation.		
	Check condition and attachment of wheel fairings.		
	Check function of brakes and parking brake.		
	Check condition and attachment of brake hoses.		
	Check visually (using mirror) the condition and wearing of brake pads (minimum admissible thickness of brake pad is 2.5 mm) and brake disc.		
	Check brake fluid leakage - brake fluid hoses, brake pumps, brake cylinders. Replenish brake fluid as needed (see 8.5.4).		
	Exchange brake fluid - applied for annual inspection only (see 8.5.4).		
	Nose Landing Gear		
	Check condition and attachment points of landing gear leg in fuselage.		
	Check of the landing gear leg for cracks (for non-reinforced NLG No. SG0270N follow 8.4.3).		
	Remove and disassemble wheel, clean and lubricate the bearings; reassemble it and install back.		
	Check condition, wear and inflation of tire.		
	Check condition of wheel disk and for occurrence of cracks.		
	Check securing of bolts.		
	Check for free travel of wheel rotation.		
	Check of friction shock absorber, check friction torque; as necessary tighten the nut (see 8.4.2).		
	Check condition and attachment of wheel fairing.		
	Check depression of nose wheel absorber (see 8.4.1).		



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9	Fuel System		
	Drain fuel tanks and gascolator (see 9.5.2).		
	Remove and clean or replace the fuel filter screen inserted in gascolator (see 9.5.3).		
	Check condition and integrity of fuel pumps and hose sleeves in the engine compartment.		
	Check fuel selector valve for attachment, function and arrestment.		
	Visually check for fuel system tightness.		
	Check of condition and function of filler caps.		
	Check tightness and condition of fuel pump for occurrence of cracks on the pump body (see 9.4.2).		
	Visual check for impurities in the tank.		
	Check the fuel tank's vent for its condition (assure that the vent tube is not clogged).		
10	Engine and Propeller		
	List of performed operations for engine is shown in Maintenance Manual (Line Maintenance) for ROTAX Engine Type 912 Series (MML-912).		
	List of performed operations for the propeller is shown in Installation and Operating Instructions for installed propeller. See also 10.4.2.2 or 10.4.4.1, as applicable.		
	Remove and check engine cowlings for evident signs of heat damage or cracks.		
	Check attachment of the propeller and propeller spacer.		
	Check condition of the firewall and equipment on firewall.		
	Inspect and check for tightening and securing the bolts on the engine brackets and the engine mount.		
	Check the engine mount for cracks.		
	Check the exhaust system (and its attachment) for cracks on the exhaust system and on welds (see 10.4.8).		
	Check condition and attachment of the airbox.		
	Check condition and cleanness of the air filter.		
	Check for leak of fluids.		
	Check function and condition of throttle and choke controls.		
	Remove and clean oil tank; install tank back - applied for annual inspection only.		

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11	Electrical System		
	Check attachment and condition of battery.		
	Check level of battery charge.		
	Perform battery capacity test- applied for annual inspection only.		
	Check condition, attachment and integrity of wiring.		
	Check condition and securing of plug/socket outlets.		
	Check condition of switches, fuses and circuit breakers.		
	Check condition of the landing light.		
	Check condition of the position / strobe lights.		
12	Instruments and Avionics		
	Check general condition and attachment of the instrument panel.		
	Check condition and attachment of instruments.		
	Check condition and attachment of the pitot tube.		
	Check cleanness of air inlet holes of pitot tube.		
	Check attachment and securing of hoses to the instruments.		
	Check for pitot-static system tightness (see 12.4.1) (with 2 years periodicity).		
	Visually check condition of navigation and communication instruments.		
	Perform compensation of magnetic and EFIS compass - applied for annual inspection only.		
	Check condition of COMM, ELT, XPDR, NAV antennas and OAT probe.		
13	Heating and Ventilation System		
	Check cleanness and passage of air inlet holes.		
	Check line and integrity of the heating and ventilation system hoses.		
	Check condition and attachment of the heat exchanger.		
	Check of functionality of rod and flap.		
All	Check for corrosion.		
	Check for hard handling.		

