

		QUICK REFERENCE CHECKLIST ROTAX 912iS Sport April 2020
PREFLIGHT		FACE BRISTELL INTO THE WIND BEFORE OPENING CANOPY
BEFORE STARTING ENGINE		UPDATE AND REVIEW YOUR PLC (COOLANT EXPANSION TANK TO TOP)
1	RUDDER PEDALS	ADJUST
2	BACK UP BATTERY-EFIS	ON.....LOAD FLIGHT PLAN AND WAYPOINTS IN RECENTS
		FUEL RESET TO ZERO, ASSURE 6 GL REMAIN AT END OF FLIGHT (FOD 6)
3	PARKING BRAKE	SET (DO NOT RIDE BRAKES DURING TAXI)
STARTING ENGINE		
	BACK UP BATTERY-EFIS	OFF
1	MASTER SWITCH	STROBES-OFF, MASTER SWITCH ON
2	EFIS 1	ON AND SELECTOR ENGINE PAGE WITH FUEL PRESSURE
3	CIRCUIT BREAKERS	CHECK ALL IN
4	FUEL SELECTOR	LEFT TANK (or fullest tank)
5	START POWER GUARD	OPEN AND ON
6	IGNITION SWITCHES	LANE A ON/LIGHT ON & EGT AND WATER TEMP ON/YELLOW
7	IGNITION SWITCHES	LANE B ON/LIGHT ON OIL TEMP ON/YELLOW
8	AUX FUEL PUMP	ON 40.5 - 46.5 PSI AND THEN OFF
9	MAIN FUEL PUMP	ON 40.5 - 46.4 PSI leave on for remainder of the flight
10	THROTTLE	ADVANCE ABOUT 1/2" FORWARD YELL CLEAR
11	STROBE	ON
12	START BUTTON	ENGAGE - RELEASE AFTER 1500 ENGINE RPM
13	START POWER GUARD	CLOSE
14	THROTTLE AFTER START	SET 2200 RPM for 2 minutes, then 2500 RPM UNTIL 120 F, CHECK AMP METER
15	AUX FUEL PUMP	ON UNTIL REACHING CRUISE ALTITUDE
16	EFIS 2 and AVIONICS	ON
17	AUTO PILOT	ON-over ride, then OFF
BEFORE TAXI		
1	ALTIMETER / BARO	SET FIELD ELEVATION OR BARO
2	GPS / NAV EQUIPMENT	ON & SET (FLIGHT PLAN) INSERT COM FREQ.
3	CONTROL SURFACES	CORRECT-BRIEF PASSENGER TO KEEP THIGHS WIDE
BEFORE TAKEOFF-RUN UP		
1	PARK BRAKE	SET
2	FLAPS	10 DEGREES IF LESS THAN 3000 FT RUNWAY
3	THROTTLE	2500 RPM-3000 RPM TO ACTIVATE ELECTRICAL OUTPUT
4	TRIM AND AUX PUMP	NEUTRAL TRIM AND BOTH FUEL PUMPS ON
5	OIL TEMP	120 F Minimum-DO NOT EXCEED MAX OF 266 F Normal 190-230 F
6	CLOSE THE CANOPY	To assure secondary latches are secure, push down on the canopy with your elbows.
TAKEOFF		YOU MUST SEE OVER THE NOSE AT ALL TIMES
1	FULL POWER	GLANCE AND VERIFY OVER 5000 RPM
2	ROTATE	unstuck nosewheel at 30 knots and lift off at 50 knots, or when the plane is ready
3	CLIMB	Vx 65 KIAS Vy 70 KIAS 5200 RPM + Above 80 degrees use 85-100 KIAS to cool
4	FLAPS	RETRACT AT 700 FEET AGL, lower the nose and TURN CROSSWIND
CRUISE		AUX PUMP OFF 5000-5200 RPM
1	EGT	MAX 1742 F COLLANT MAX 248 F
2	CHT	MAX 275 F
DESCENT		3800 RPM AND AUX PUMP ON
BEFORE LANDING CHECKLIST		BEST GLIDE SPEED IS 67 KIAS 10 FLAPS
1	GAS	FUEL ON FULLEST TANK AUX PUMP ON
2	FLAPS	3800 RPM-SLOW TO Vfe 75 KIAS
3	FINAL APPROACH	AIRSPED 65 KIAS
4	SHORT FINAL	AIRSPED 55 KIAS
5	AFTER TOUCHDOWN	HOLD NOSE WHEEL OFF TO DISAPATE ENERGY
6	DFGAP	AT 200' AGL-ON CENTERLINE, 60 KIAS+5 -0 OR GO AROUND
SHUTDOWN		COOL FOR SEVERAL MINUTES PRIOR TO SHUT DOWN
1	THROTTLE	HOLD THROTTLE closed TO ASSURE IDLE 1600-1800 RPM
2	IGNITION AND FUEL PUMPS	OFF
3	MASTER	OFF-STROBE ON-FLAPS 10 DEGREES
	VA Maneuvering Speed 96 KIAS	VNE Never Exceed Speed 157 KIAS Vso Full Flap Stall 40 KIAS