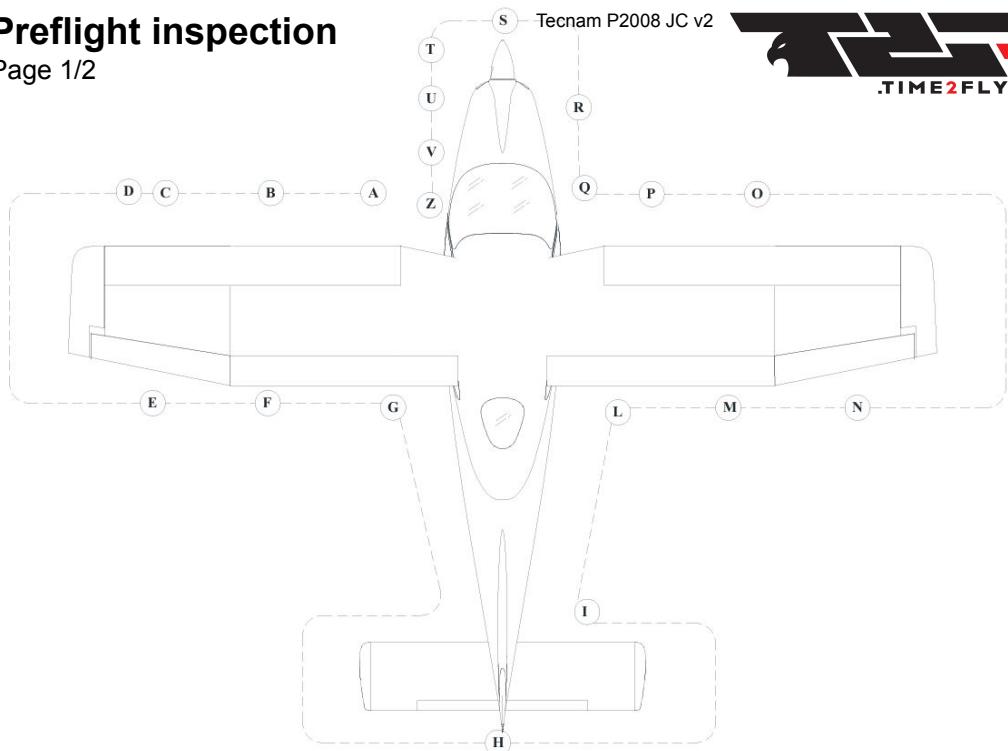


Preflight inspection



A	Left fuel filler cap	CHECK desired fuel level (use graduated dipstick). Drain the left fuel tank sump by quick drain valve using a cup to collect fuel (drainage operation must be carried with the aircraft parked on a level surface). Check for water or other contaminants. Make sure filler cap is closed.
B	Pitot tube	REMOVE pitot plug and check the pitot for obstructions. Do not blow inside pitot tube.
C	Left side leading edge and wing skin	Visual inspection, CHECK stall strips
D	Left strobe light	Visual inspection, CHECK for integrity and fixing
E	Left aileron, hinges and LH tank vent line	CHECK for damage, freedom from plays; Left tank vent: CHECK for obstructions.
F	Left flap and hinges	Visual inspection
G	Left main landing gear	CHECK inflation, tire condition, alignment, fuselage skin condition. Check fuselage skin status, tire status (cuts, bruises, cracks and excessive wear), slippage markers integrity, gear structure and brakes hoses: there should be no sign of hydraulic fluid leakage.
H	Stabilator and tab	CHECK stabilator leading edge. Check the actuating mechanism of stabilator and the connection with related tab: CHECK free of play, friction. CHECK fuselage bottom and top skin. CHECK antennas for integrity.
I	Vertical tail and rudder	Visual inspection, check free of play, friction.
L	Right main landing gear	CHECK inflation, tire condition, alignment, fuselage skin condition. Check fuselage skin status, tire status (cuts, bruises, cracks and excessive wear), slippage markers integrity, gear structure and brakes hoses: there should be no sign of hydraulic fluid leakage.
M	Right flap and hinges	Visual inspection

Preflight inspection

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N	Right aileron, hinges and RH tank vent line	Visual inspection, check free of play, friction; Right side tank vent: check for obstructions.
O	Right strobe light, leading edge and wing skin	Visual inspection, CHECK stall strips, CHECK strobe light for integrity and fixing
P	Stall indicator switch	CHECK for integrity and free of play,
Q	Right fuel filler cap	CHECK desired fuel level (use graduated dipstick). Drain the right fuel tank sump by quick drain valve using a cup to collect fuel (drainage operation must be carried with the aircraft parked on a level surface). Check for water or other contaminants. Make sure filler cap is closed.
R	Nose wheel strut and tire/ RH static port	CHECK inflation, tire condition and condition of shock absorber: there should be no sign of hydraulic fluid leakage. Check the right static port for obstructions.
S	Propeller and spinner condition	CHECK for nicks, cracks, dents and other defects, propeller should rotate freely. Check fixing and lack of play between blades and hub.
T	Check the engine cowling surface conditions	<p>Open engine inspection doors and perform the following checks:</p> <ol style="list-style-type: none">1. Nacelle inlets and exhausts openings must be free of obstructions. Check connection and integrity of air intake system, visually inspect that ram air intake is unobstructed. If inlet and outlet plugs are installed, they must be removed2. Check radiators. There should be no indication of leakage of fluid and they have to be free of obstructions.3. Check for foreign objects4. Verify coolant level in the expansion tank: level must be at least 2/3 of the expansion tank5. Verify coolant level in the overflow bottle: level must be between min. and max. mark. <p>Before proceeding to the next step be sure that magnetos and Master switch are OFF with the key extracted.</p> <ol style="list-style-type: none">6. Turn the propeller by hand to and from, feeling the free rotation of 15° or 30° before the crankshaft starts to rotate. If the propeller can be turned between the dogs with practically no friction at all further investigation is necessary. Turn propeller by hand in direction of engine rotation several times and observe engine for odd noises or excessive resistance and normal compression.7. Carburetors: check the throttle and choke cables for condition and installation.8. Exhaust: inspect for damages, leakage and general condition.9. Check engine mount and silent-blocks for condition.10. Check oil level11. Drain off Gascolator for water and sediment (drain until no water comes off). Then make sure drain valve is closed.12. Check drainage hoses free of obstructions13. Verify all parts are fixed or locked: inspect fuel circuit for leakages.
U	Engine cowling doors	CLOSE, check for proper alignment of camlocks
V	Landing/Taxi light and LH static port	CHECK, Visual inspection for integrity. Right side tank vent: check for obstructions.
Z	Tow bar and chocks	REMOVE, stow on board pitot, static ports and stall warning protective plugs.
	Windshield and windows	Windshield and windows

PREFLIGHT		BEFORE TAKE OFF	
External inspection	COMPLETE	Fuel quantity	CHECK
Circuit Breakers	ALL IN	Fuel selector	SEL HIGHEST TANK
Throttle	IDLE	Fuel pump	ON
Carb heat	OFF	Carb heater	OFF
Alternate static port	CHECK/CLOSE	Engine instruments	CHECK
Battery	ON & CHECK VOLTAGE	Trim	PF SIDE & NEUTRAL
Generator	OFF	Flaps	AS REQ
Nav lights	ON	LINE-UP	
Instrument lights (day/night switch)	ADJUST	Parking brake	RELEASE
Fuel quantity	CHECK	Strobes	ON
Fuel selector	SEL LOWEST TANK	Transponder	ALT
Engine Garmin Time	PHOTO/RECORDED	Pitot heater	AS REQ
BEFORE START		— CLEARED FOR TAKEOFF —	
Pitot cover	REMOVE	Landing lights	ON
Doors	CLOSED/LOCKED	AFTER TAKE OFF	
Parking brake	SET	Taxi / landing lights	OFF
Seat belts	SECURE BOTH SIDES	Flaps	UP
Flight controls	FREE	Climb PWR	2100 RPM / SET
WX / Start clearance	OBTAIN	Fuel pump	OFF
Avionics	OFF	APPROACH	
Fuel pump	ON	ATIS / Airport info	RECEIVE
Choke	AS REQ	Altimeters	SET
Throttle	IDLE	Approach briefing	COMPLETE
Strobes	On	FINAL	
AFTER ENGINE START		Fuel pump	ON
Choke / RPM	OFF / 1000	Carb heater	OFF
Generator	ON	Flaps	AS REQ
Fuel pump	OFF	Landing lights	ON
Strobes	OFF	AFTER LANDING	
Engine instruments	CHECK	Fuel pump	OFF
Avionics	ON / SET	Pitot heater	OFF
Annunciator	CHECK	Flaps	UP
Transponder	CODE / SBY	Strobe lights	OFF
FMS / GNSS	SET	Landing lights	OFF
Flight instruments	CHECK / PREPARE	Transponder	CHECK GND / SBY
T/O briefing	COMPLETE	PARKING	
TAXI		Parking brake	SET
Off block time	NOTE	Taxi light	OFF
Taxi lights	ON	ATC	CLOSE FPL / REP. PARKED
Parking brake	RELEASE	Time and fuel	NOTE
Brakes and steering	CHECK	Engine Garmin Time	PHOTO/RECORDED
RUN-UP		Avionics	OFF
Engine instruments	CHECK	Throttle	IDLE
RPM	1650	Ignition	OFF
Ignition key test	L - BOTH - R - BOTH DROP WITHIN 130 RPM MAX DIFF L/R 50 RPM	Nav lights	OFF
Carb heat test	PULL OUT / IDLE / PUSH IN DROP OF 100 RPM WITH CARB HEAT PULLED	GEN / BAT	OFF
		Fuel selector	OFF
		Start relay breaker	PULL
		Pitot cover	INSTALL





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