

make sure that they are crossed in the fuselage (ref. annex 4)

- the throttle cable and choke cable connections in the cockpit, free-moving and exempt of fray or damage
- the fuel tank cap is closed and the content is sufficient for the anticipated flight
- the fuel filter condition
- the fuel line connections
- check the left wing in the same manner as you did the right one.

You are back at the nose: your tour is now complete and you may fly with peace of mind.

3. Instruments:

- verify ASI functioning and set altimeter
- verify the proper functioning of all installed instruments
- before take-off for a cross-country flight the reading of the compass must be checked against a known reference: runway markings for example.

IV. STARTING THE ENGINE (labiru 2200):

If you respect the following procedure, you will avoid problems while starting your engine:

a. Cold engine:

1. Check throttle **closed (Lever back)**
2. Prime the carburetors by mean of electric pump
3. Keep ignition **off** and choke **closed**
4. Press starter button & rotate the propeller for a few seconds
5. Choke fully **closed** (pulled up). Throttle **closed**
6. Both ignition switches on
7. Check for **CLEAR PROP !**
8. Press the self starter button; the engine should start at once
9. As soon as started, open throttle slowly up to 1300 RPM and, upon

CHT reaching about 100 degree C, re-open progressively the choke till fully opened (pushed down).

10. Warm up the engine till CHT reaches about 150 deg C. Oil temperature should reach about 80 deg C

!! WARNING !!

Never forget to close the choke, *failing* which your power will be drastically affected in flight.

Never forget to switch off the electric pump : a pump permanently on increases fuel consumption by 30 %! This pump is a primer or else a back-up to be used only in the 2 following cases:

1. emergencies due to engine misbehaviour related to fuel starvation whatever the cause.

2. as a preventive measure in case of marginal take off in hostile surroundings, for a brief duration, say 1 minute.

b. Warm engine: throttle idle position, pressing the starter is sufficient to restart. Do NOT use the choke.

V. TAXIING & THE VITAL ACTIONS :

Before anything, you should have investigated your aircraft limitations! Please refer to annex 1.

You are now sitting on board, you have tightened your shoulder harness. The front wheel control is coupled with the rudder. Push the left pedal to turn left, the right pedal to turn right.

On rough surface we recommend to taxi faster with stick back (front wheel up). Steering control with the rudder becomes efficient from 15 Km/h onwards.

At the end of the taxiway, and before take off...

you are invited to perform the vital actions :

1. open doors and VISUALLY check for free and correct directional movement of all control surfaces.
2. doors locked.
3. no obstructions/loose objects in the cockpit which could interfere with the controls.
4. mag check: maximum drop permitted = 200 rpm. In normal conditions both ignitions should be ON while flying.
5. instruments check
6. choke closed
7. fuel quantity check: do NOT take off with less than 10 liters in the tank.
8. flaps lowered in take-off position, first notch, 10 degrees
9. line up.

Everything in order, you may take off.

VI. TAKE OFF:

!! WARNING !! PILOT QUALIFICATION

It is clear that the following advices are not a flying course and that you are supposed to have passed with success the theoretical and practical tests under an authorised Instructor as required in your Country. Furthermore we wish to warn conventional aeroplane pilots that a few hours of conversion to the type is recommended before flying solo. The particular behaviour of a microlight – related to its comparatively low wing loading – demands some acclimation.

Well, The breeze is gentle. The aircraft is lined up. Push progressively the throttle to full open and gradually release the pressure on the front wheel. At 60 Km/h IAS, pull back progressively on the stick, maintaining your heading by foot control. At 80 Km/h indicated you are rotating; ease the stick forward to level off and increase your speed,