

Print out and use the checklist to help lessen the possibility of the maiden flight blues!

Gas/Glow/Heavy Fuel Fixed Wing Aircraft Pre-Flight Checklist

Structural/Weight and Balance –

- ❑ Longitudinal CG at proper location
- ❑ Lateral CG at center
- ❑ Rear Stabilizer assembly secure
- ❑ Rudder assembly secure
- ❑ Wings secure to fuselage
- ❑ Landing gear wheel stops/collars are tight
- ❑ Landing gear secure to fuselage
- ❑ All other hardware (hatch screws/etc.) secure

Engine –

- ❑ Engine mounting hardware is secure
- ❑ Throttle linkage hardware is secure
- ❑ Throttle linkage is not binding during complete travel
- ❑ Throttle linkage has no metal to metal contact
- ❑ Muffler/Exhaust fittings are tight and no leaks
- ❑ Spark plug/Glow plug are correct for application
- ❑ Spark plug/Glow plug are working correctly
- ❑ Spark plug/Glow Plug are tight
- ❑ Spark plug is grounded sufficiently (Gas Engine Only)
- ❑ Transmitter engine shutdown working correctly

Propeller –

- ❑ Propeller nut/bolt is tightened correctly
- ❑ No cracks or notches in propeller
- ❑ Prop is centered on hub with correct bushing in place
- ❑ Spinner and related hardware are tight and secure
- ❑ Adequate tip to ground clearance of propeller
- ❑ Propeller is balanced

Syssa Aircraft Performance

Fuel –

- ❑ Fuel tank stopper is secured properly
- ❑ Fuel tank mounting is secured properly
- ❑ Fuel lines are properly secured and not leaking
- ❑ Fuel lines are away from sharp edges and hot surfaces
- ❑ Fuel lines have no kinks or cracks
- ❑ Fuel line is correct type and size for application
- ❑ Fuel line clunk is free to move to all sides in tank
- ❑ Timer is ready to avoid running out of fuel

Electronics/Servos/Controls –

- ❑ Servo horns/linkage/joints/hardware tight and secure
- ❑ Servo wire connectors secure
- ❑ Tail Servo wires routed as far from RX antennae as possible
- ❑ Servo wires are bundled securely/not allowed to move freely
- ❑ Receiver battery is secured properly
- ❑ Receiver crystal is inserted fully and secured properly
- ❑ Receiver Battery charged and proper voltage is observed
- ❑ Transmitter Battery charged and proper voltage is observed
- ❑ Engine ignition battery charged/proper voltage is observed *(Gas Engine Only)*
- ❑ Range check and controls check out with transmitter antenna down and engine off
- ❑ Range check and controls check out with transmitter antenna down and engine running
- ❑ Control surface throws and movement are at recommended settings and are ***not*** reversed
- ❑ ALL electronic engine ignition components are a safe distance away from ALL receiver and servo components *(Gas Engine Only)*