

Stage 28

INSTALLING THE RECEIVER

- 28.1 Consult your radio manual for instructions about hooking up your receiver.
- 28.2 Plan where you are going to put the receiver with consideration for routing the antenna safely.
- 28.3 Wrap the receiver securely in foam suitable for RC equipment and wrap the foam insulated receiver in a plastic bag or cling wrap.
- 28.4 Generally in the absence of specific instructions from the radio manufacturer, it is recommended that the receiver should be placed where it is least likely to have impact during a crash. Keep the battery pack and other heavy loose items ahead of the receiver.

Stage 29

CONFIRM RADIO OPERATION

- 31.1 Consult your radio manual for instructions about testing and operating your radio system.
- 31.2 Pay particular attention to charging your radio system batteries and range testing the system before and after each flight.

Check that all controls are working correctly before and after each flight.

IBA (Piston one line)

Stage 30

BALANCING THE AIRCRAFT

The CG for your TOMAHAWK is located at 65 mm (2 2/3 inch) back from the leading edge of the wing when the wing has been attached to the fuselage.
 For the initial flight, the CG should be located at 2 2/3" (65mm) back from the leading edge of the wing when the wing has been attached to the fuselage.

The CG is measured with the engine, radio gear and all other components installed but WITH NO FUEL IN THE TANK.

Set up the CG as it will be when you fly BUT WITH NO FUEL IN THE TANK. It is very important to have the CG correct. Flying your model with the CG too far will likely lead to loss control and a crash.

If you discover that after you have assembled your model and installed your radio and engine that the CG is incorrect you must bring the CG to the correct location by doing the following BEFORE FLYING :

- Move the battery pack fore or aft.
- Move other components fore or aft.
- Change engine to a lighter or heavier model.
- Add weight to the nose or tail. If adding it to the nose, try to make it useful by going to a heavier duty engine or adding a spinner with a heavy metal backing plate. As a last resort, add stick on "dead" weight where appropriate.

IBB 2.56

IBC

IBE

IBD

Stage 31

CONFIRM MECHANICAL INTEGRITY

31.1 Once you have confirmed that the CG is correct, you should do a thorough review of the entire model before your first flight. Check everything twice! Every hook up, every coupling, everything! Do it twice!

31.2 Before your first flight, have an experienced flyer review your work. Do not fly your model until it has been checked out by a third party who knows how to fly and how to set up a model aircraft

31.3 Once you have completed your first flight, get in the habit of checking your model over before and after each flight! Don't fly if you find something that is not right!

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