



CK Aero

(Control Horn and Servo Horn Kit)

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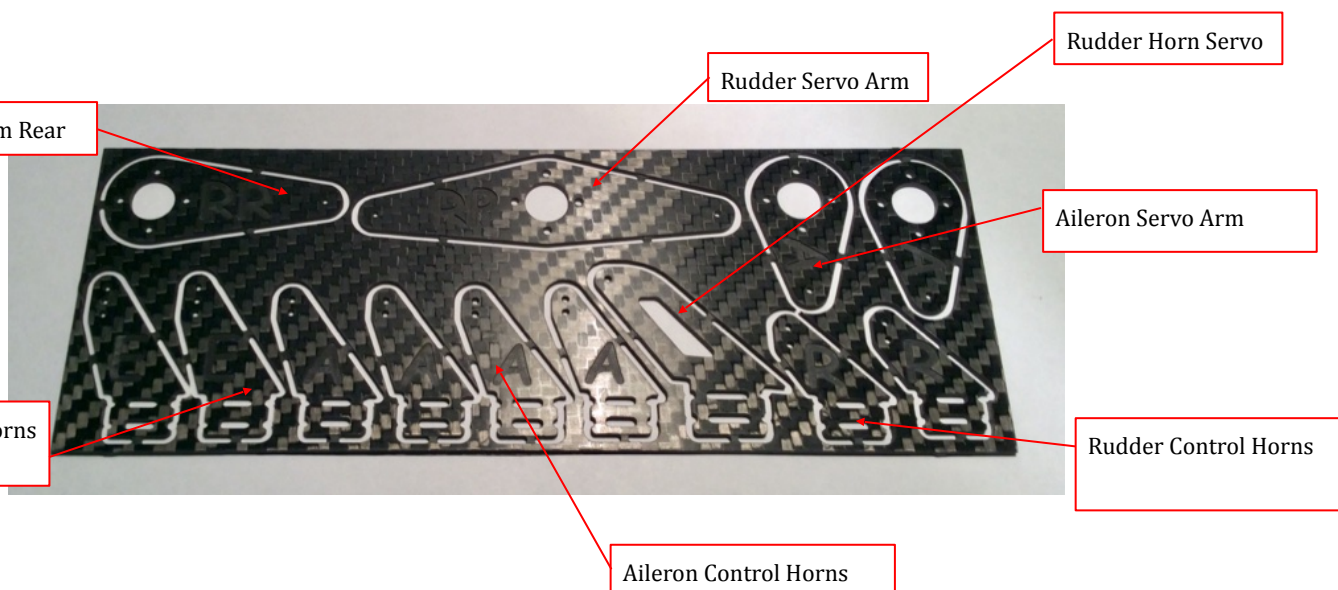
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Assembly and Set-up notes

Thank you for choosing to purchase a Precision Aero Products Control/Servo Horn Kit. This product is manufactured by Precision Aero Products in **Australia** and has been designed in collaboration with Bryan Hebert of CK Aero.



The kit is comprised of the following items:

- Four (4) Aileron and two (2) Elevator Control Horns.
- Three (3) Rudder Horns.
- Two (2) Aileron Servo Horns.
- One (1) Double Sided Rudder Servo Horn.
- One (1) Single Sided Rudder Servo Horn (Servo down in the tail).

Each part will need to be cut from the panel. A Dremel cut-off wheel is ideal. Be sure to wear eye and respiratory protection when cutting carbon and dispose of all carbon dust. You may also need to clean up the edges of each part with 220 grit sand paper to remove any rough edges and the tabs. You can also use the Dremel with a sanding drum.

The **control horns** are designed to be glued into the control surface hard points. The area to be glued on the horn should be roughed up with 220 grit sand paper. This will help the glue adhere to the carbon. A suitable slot will need to be positioned and cut into the control surface hard point to accommodate each horn. We recommend using a quality 30-minute epoxy adhesive. There are slots in each horn to accommodate epoxy and key the glue joint into the surface. Make sure these slots are filled with epoxy. The surface area to be glued must be coated in epoxy. Insert the horn into the surface and wipe off any excess epoxy that is squeezes out. A cotton bud with Methylated Spirits will help with clean up. Double check your alignment before the epoxy sets.

The **servo arms** are designed to fit onto Futaba 21mm round wheels (not included). These are supplied standard with most if not all Futaba servos. On the top of these wheels are some moulded in numbers. These numbers should be removed with a sharp knife. This will allow the servo arm to sit flat on the wheel. The arms should be fixed to the "TOP" of the servo wheel with four (4) M2 x 8mm screws and four (4) M2 lock nuts (not included). The nuts should be on top of the arm (screw heads facing the servo top). You may need to open up the servo arm and wheel holes to 2mm with a drill bit. **Tip: The numbers on the servo wheels indicate a different spline position. You can rotate the arm to achieve a better alignment of the arm at the neutral position.**

If you have any questions in relation to the use of this product, please feel free to contact us at: sales@precisionaeroproducts.com.au