

HYPERION YAK54 EP "40"



INSTRUCTION
MANUAL



Required: 4 channels, 4 servos

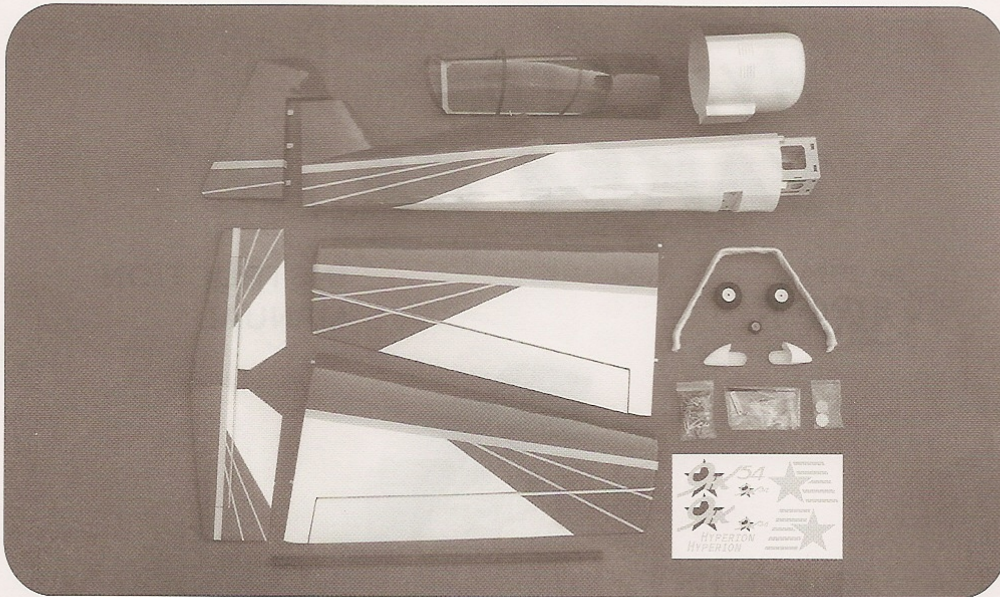
Fuselage Length: 1305mm / 51.4 in.

Wing Span: 1380mm / 54.3in.

Wing Area: 33.9dm² / 525.5sp.in.

ARF Weight: 1854g/4 lbs

Suggested Motor: HP-Z4020





Parts List:


- | | |
|----------------------------------|---|
| 1. FUSELAGE --1pc. | NUT M2 -- 2 pcs |
| 2. COWLING --1 pc. | NUT M4 -- 2 pcs |
| 3. CANOPY --1pc. | WASHER --d4mm |
| 4. WHEEL COVER --1 pair | COLLAR 2.1mm w/set screw --2 sets. |
| 5. MAIN WING --1 pair | COLLAR 4.1mm w/set screw --2 sets |
| 6. STABILIZER & ELEVATOR --1 set | PULLWIRE 0.8X650mm--2 pcs |
| 7. RUDDER --1 pc. | TIE-IN --2 pcs |
| 8. MAIN LANDING GEAR 3mm --1 pc. | COPPER TUBE --4 pcs |
| 9. TAIL LANDING GEAR --1 set | LINKAGE STOPPER 2.1mm --2 sets |
| 10. MAIN WHEEL 55mm --2 pcs | JOINER 2.5X78mm |
| 11. TAIL WHEEL 25mm --1 pc. | CARBON FIBRE TUBE 16 x 584mm(Wing Joiner) --1 pc. |
| 12. METAL PARTS: -- | 13. PUSHROD:-- |
| SCREW PWA2.3 x 10mm --4 pcs | METALROD 1.8 x 130mm(For Elevator Servo) --2 pcs |
| SCREW PM4 x 35mm --3 pcs | METALROD 1.8 x 95mm(For Aileron Servo) --2 pcs |
| SCREW PM4 x 15mm --3 pcs | 14. PLASTIC PARTS: -- |
| SCREW PM2 x 25mm --10 pcs | HORN --5 set |
| SCREW PA2.3 x 12mm --2 pcs | STRAPER --4 pcs. |
| SCREW PA3 x 8mm --2 pcs | CLEVIS--4 pcs. |
| SCREW M4 x 15mm --2 pcs | FUEL TUBE Ø6 x 5 mm --8 pcs |
| | 15. WOODEN PARTS: -- |
| | PLYWOOD Ø25x2mm(For Wheel Cover) --2 pcs |
| | 16. DECALS --1 pc. |
| | 17. MANUAL --1 pc. |


AB Apply epoxy glue.

CA Apply instang glue.

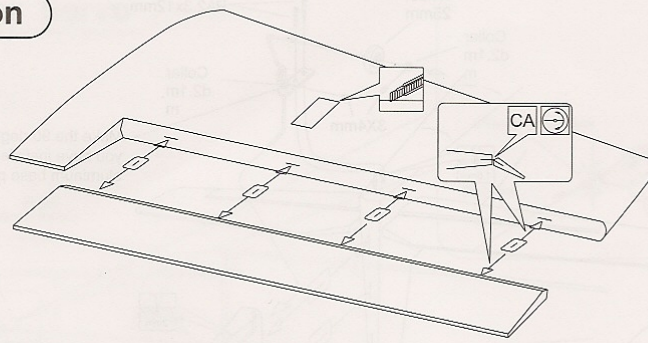
 Ensure smooth non-binding movement while assembling.

 Remove covering here
Do not cut wood

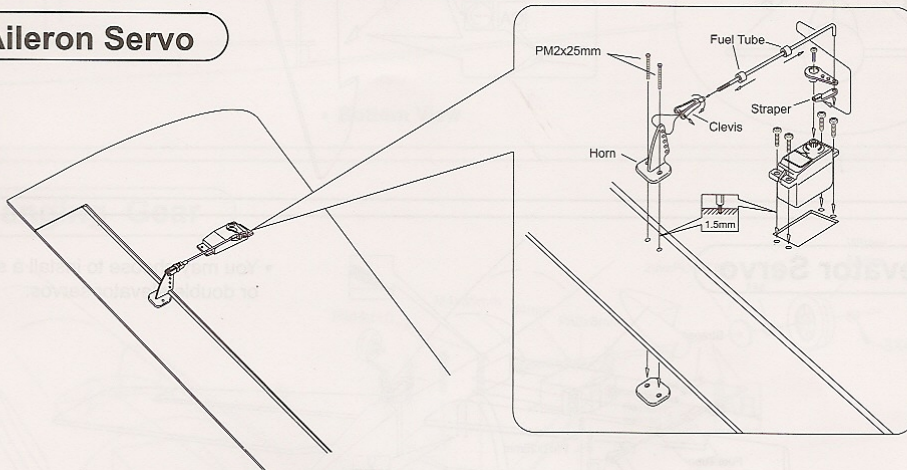
 Drill holes with the specified diameter (here : 1.5mm)

 Assemble left and right sides the same way.

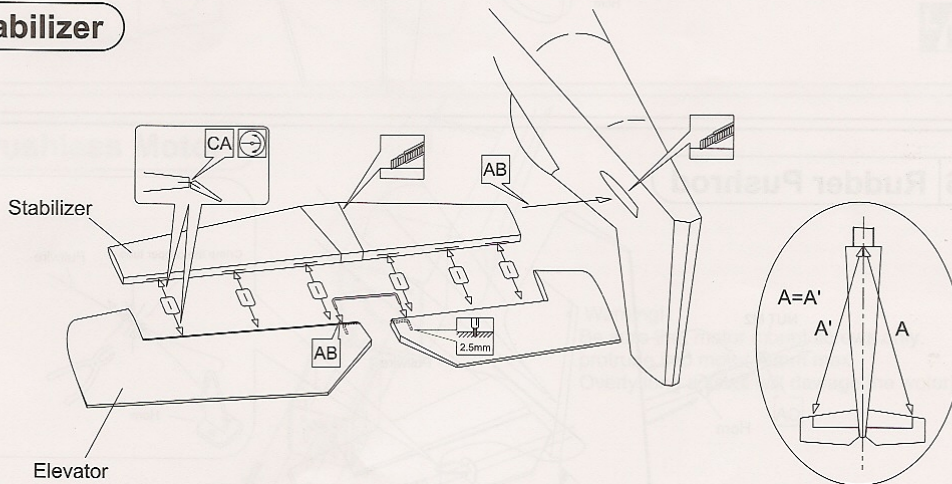
1 Aileron



2 Aileron Servo



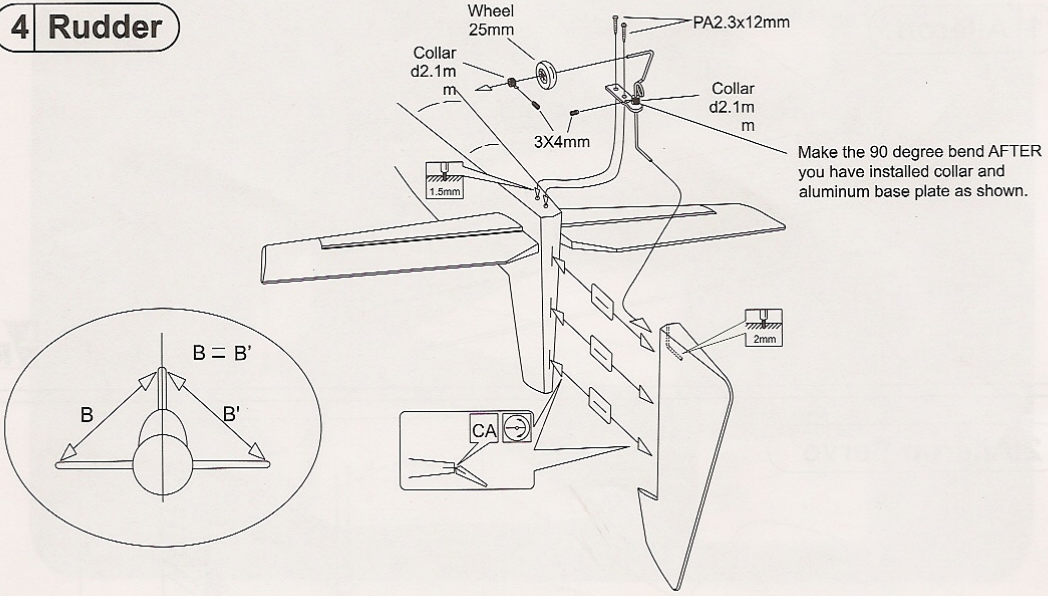
3 Stabilizer



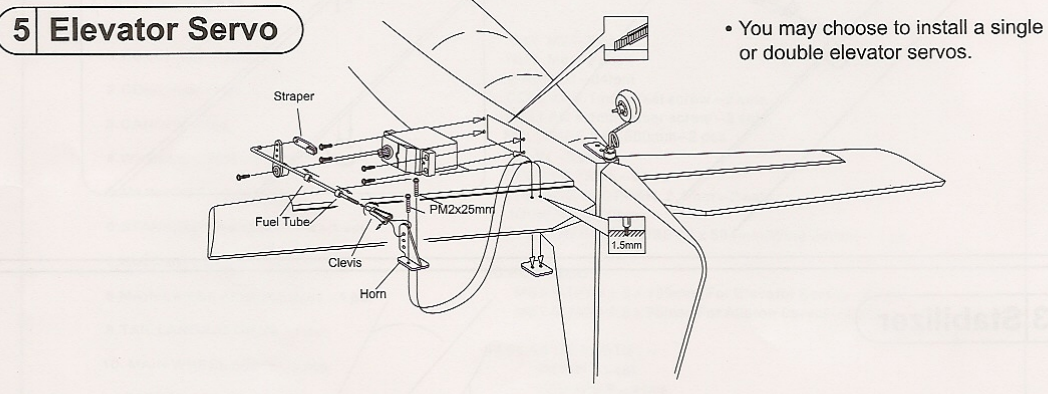
- Insert elevator into fuselage, then stabilizer, then install hinges.



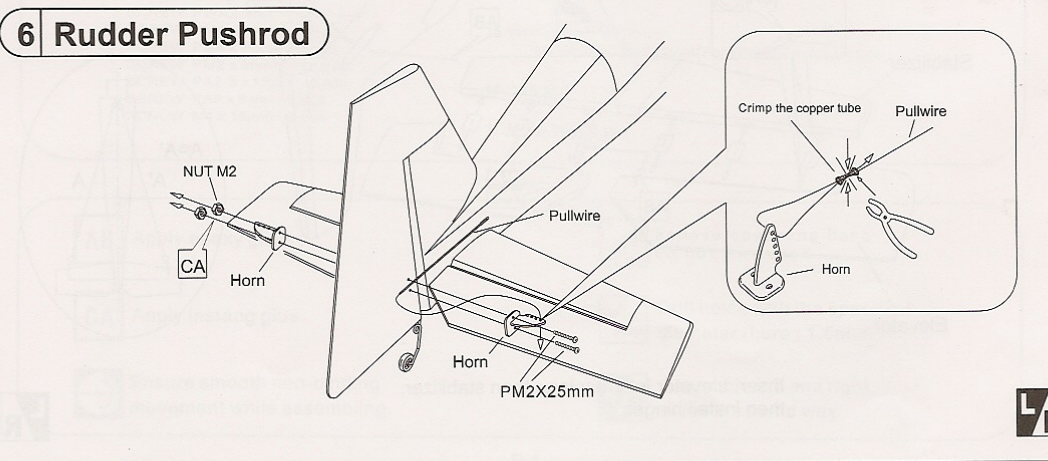
4 Rudder



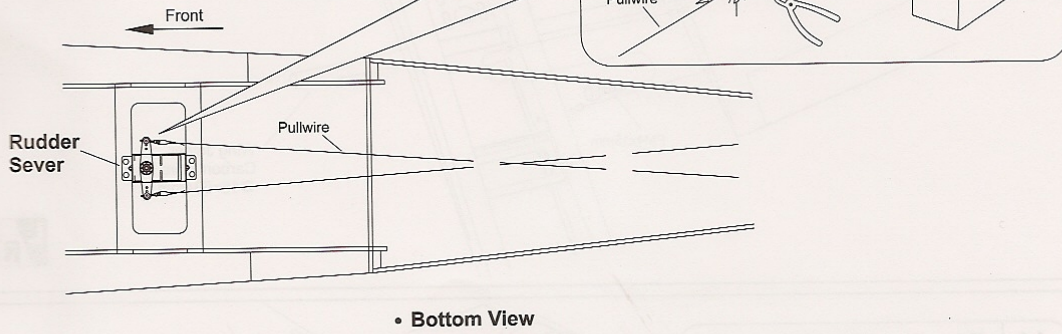
5 Elevator Servo



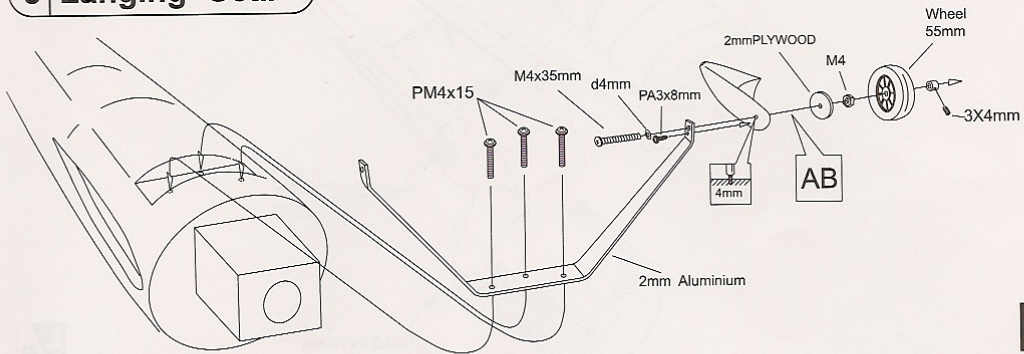
6 Rudder Pushrod



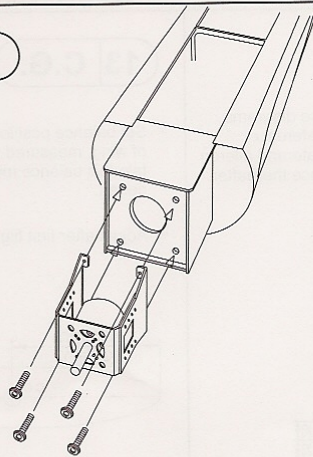
7 Rudder Servo



8 Langing Gear

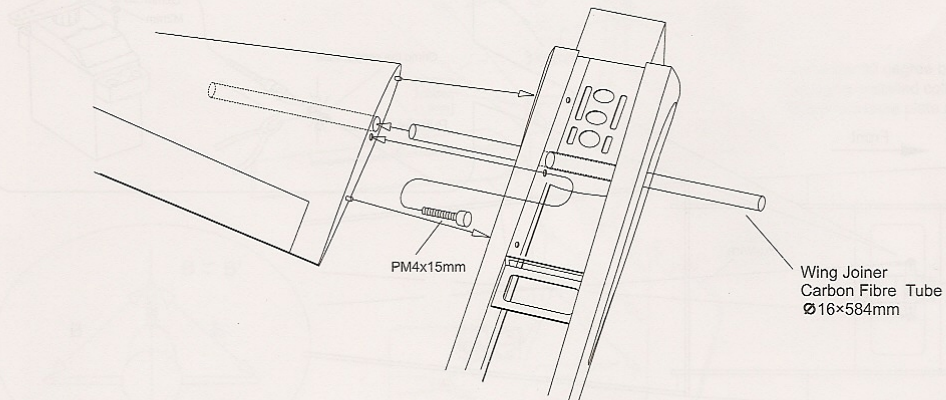


9 Brushless Motor

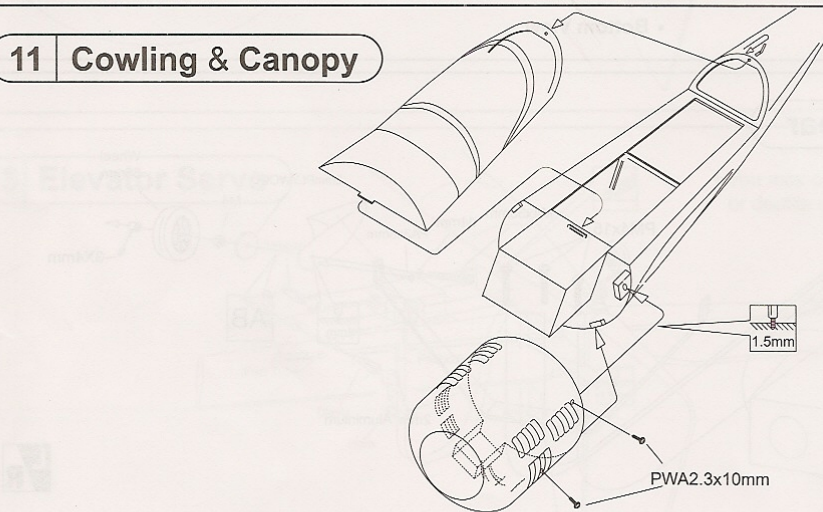


- Warning!
Be sure that motor mount screws only protrude into motor 5mm max.
Overly long screws will damage the motor!

10 Main Wing

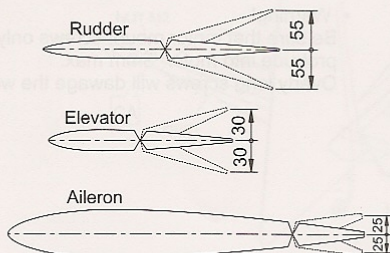


11 Cowling & Canopy



12 Control Throws

- ▷ Adjust maximum control throws as shown in these diagrams. These are for "sport" flight 3D, pilots will increase to preference. Set your radio dual-rate switches for 60% on both elevator and aileron throws for first flights. Adjust according to your preference thereafter.



13 C.G.

- ▷ Set balance position (CG) to 115mm (4.5") from leading edge of wing, measured where the wing meets the fuselage to obtain this balance, move the battery forward or backward as required.
- ▷ Adjust after first flights to your preference.

