



No.8709/8710





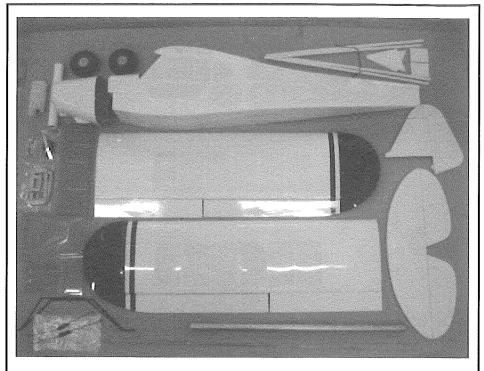
SPECIFICATIONS

WING SPAN: 2547 mm LENGTH: 1676mm WING AREA: 90.2 dm² WEIGHT: 5.5 Kgs RADIO: 5~6 Channels ENGINE: 26 - 30 cc 2-stroke

Warning

An RC aircraft is not a toy! If misused, it can cause serious bodily harm and damage to property. Fly only in open areas, following all instructions included with your radio.

Before beginning the assembly, remove each part from its bag for inspection. Closely inspect the fuselage, wing panels, rudder and stabilizer for damage. If you find any damaged or missing parts, contact the place of purchase.



Contents of Kit / Parts Layout

Recommended radio and equipment (not included in kit):

5 channels radio x 1 piece

Receiver x 1 piece

45g servo x 6 pieces (8 pieces if use flap)

30cm extension x 2 pieces

60cm extension x 2 pieces

Y-harness x 3 pieces

Switch x 1 piece

Engine: 26cc-30cc 2-stroke

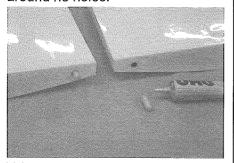
Spinner

Tools and suppliers needed (not included in kit):

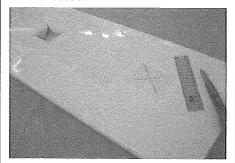
Phillips screws driver #0/#1 / Curved scissors / Hex wrench 1.5/3.0mm Hobby knife / Ruler / Pliers / Z-bender / Sanding paper Epoxy 5-10 minutes / Marker / CA glue / UHU foam glue / Superglue Cross wrench / Reamer / Solder Iron / Thread lock / Side Cutter Driller 1.2mm/4mm / Transparent Tape



Using a sharp hobby knife carefully cut the covering away from each of the holes on the main wing. Use the solder iron to trim the covering around he holes.

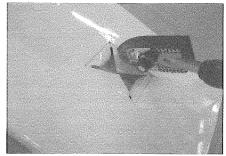


Take 2 pieces of 7 x 18mm dowels out of the hardware bag. Sand the end of the dowels, spread some UHU glue on one half of the dowels and insert the dowels (with glue on) into each of the wing dowel holes.



There are pre-serving servo trays on the bottom of the main wing. Mark

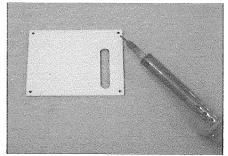
two diagonals of a square cross in the center of the hole. Use a hobby knife to cut the covering according to the marking lines.



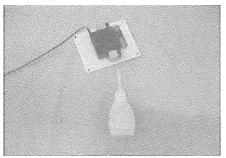
Use solder iron to trim the covering around the holes.



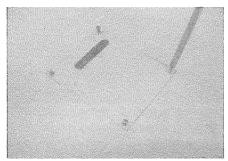
Use hobby knife to cut away the covering around the servo holes.



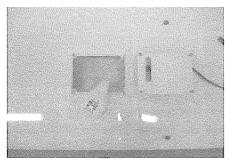
Take the servo tray planking out of the hardware bag and use driller to open holes on the 4 corners.



Connect the servo with the receiver and set the servo to the neutral position. Set the servo arm to the exit hole and place the blocks on two sides of the servo (if the blocks are too large, use sanding paper to trim the length). Drop some CA glue to secure the blocks in position. Secure the servo in position with the screws supplied with the servo.

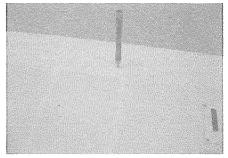


Place the servo tray in position and try to secure it with 4 pieces of 2.6x 10mm tapping screws.

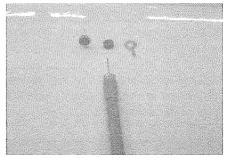


Lose the tapping screws (2.6x10mm)

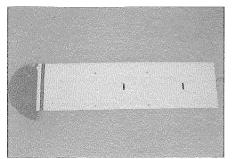
and remove the servo tray and drop some CA glue into the screw-holes for reinforcement. (Note: aileron servo must connect with 60cm extension. Flap aileron connects with 30cm extension. It is convenient to use the outer tube included in the hardware bag and a piece of tape to secure the plug on the tube and pull out the plug of the extension.)



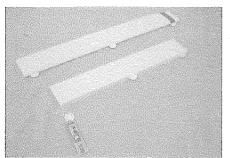
Use 1.2mm driller to drill 4 holes on the pre-marking locations on the main wing.



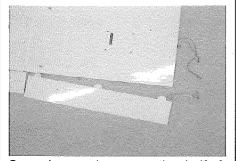
Take 10 pieces of eye-screws and rubber eyelets out of the hardware bag. Stuff the eyelets into the eyescrews.



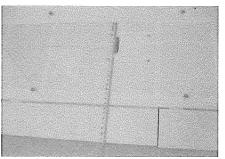
Screw the eye-screws into the 4 holes.



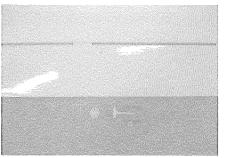
Place the aileron and flap on the working table. Spread some superglue on one half of the hinges and insert into the hinge holes on the aileron and flap.



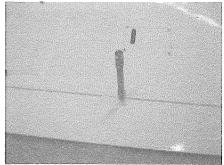
Spread superglue on another half of the hinges and slide into main wing. Apply transparent tape on the conjunction until the glue dry enough.



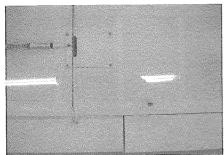
Use a ruler aligned the edge of the servo hole making a mark on the edge of the aileron.



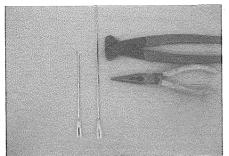
Remove the control horn and plate from the plastic parts and take out the M2 x 25mm screws from the hardware bag.



Place the control horn on the marking position and use 2mm driller to drill the hole. Secure the control horn and plate in position with M2 x 25mm screw.



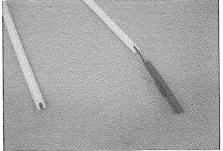
Thread the metal clip onto the rod. Connect the clip with the control horn. Use marker to mark the position where rod contact with servo arm.



Use Z-bender to make a Z bend on the marked position and cut off the extra rod. Slide in one piece of 5mm silicone tube.



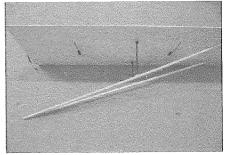
Connect the Z end with servo arm and move the silicone tube on the clip for avoiding losing off during flying.



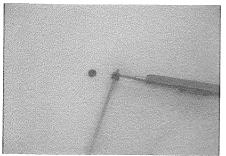
Take the main wing strut on the working table. Use a hobby knife to cut off the covering over the slot.



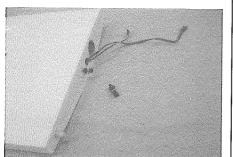
Connect the end of wing strut with eye screw on the main wing and secure with R pin.



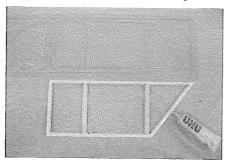
.Connect the ends of the wires with eye-screws.



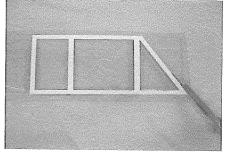
Take the rubber ring (3x10mm) out of the hardware bag. Insert the rod into the rubber ring and use hobby knife to cut the ring into two halves.



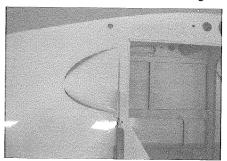
Take 4x20mm hex screws and washers out of the hardware bag. Slide the washer into the screw and insert the screw into the rubber ring. Screw the whole rubber ring combination into the main wing.



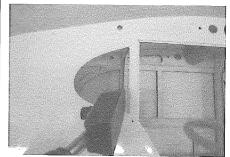
Spread UHU glue on the window frame and glue the window frame on the vacuum formed plastic window.



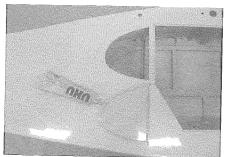
When the glue is dried enough, use hobby knife to remove the extra plastic window. Use curved scissors to trim the rear window and keep 5mm extra plastic around the edge of the rear window when trimming.



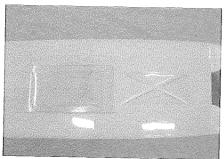
Use hobby knife to cut off the covering over the opening for the rear window and please keep 6mm extra covering around the edge of the opening when cutting.



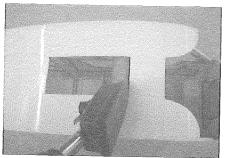
Use sealing iron to trim the extra covering inside the fuselage.



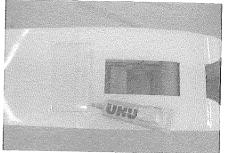
Spread UHU glue on the edge of the plastic rear window and fit it onto the window hole inside the fuselage.



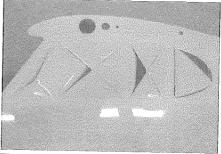
Use hobby knife to cut off the covering over the opening for the sunroof and please keep 2mm extra covering around the edge of the opening when cutting.

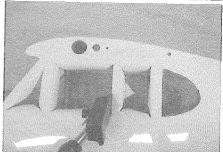


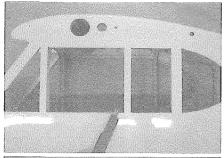
Use iron to trim the extra covering inside the fuselage.



Use curved scissors to trim the edge of the sunroof and please reserve 5mm extra plastic around the edge of the sunroof. Spread UHU glue on the edge of the sunroof. Fit the sunroof to its opening from inside fuselage.

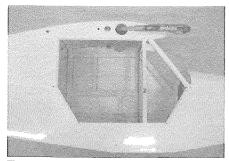




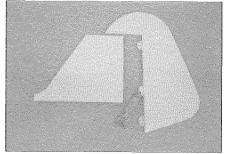




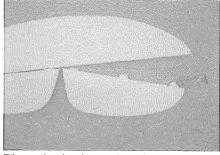
Repeat the same procedure on the left side window set.



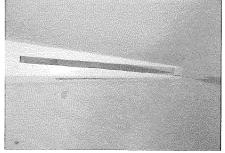
Try to find the pre-serving holes over the top of the side window. Use hobby to remove the covering over the holes.



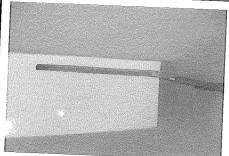
Place the vertical and rudder on the working table. Spread superglue on the hinges and slide into the rudder.



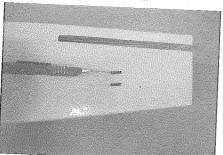
Place the horizontal and elevator on the working table. Spread superglue on the hinges and slide into the elevator.



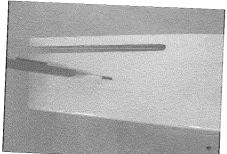
Try to find the pre-serving slot on the tail of the fuselage for the vertical. Use hobby knife to remove the covering over the slot.



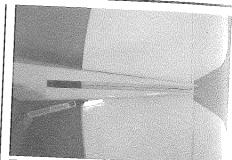
Use hobby knife to remove the covering over the slot for the elevator and the block on the tail.

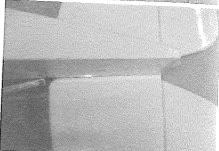


Try to find two linkage openings on the tail of the left fuselage. Use hobby knife to remove the covering over the openings.



Try to find the top linkage opening on the tail of the right fuselage. Use hobby knife to remove the covering over the opening. (This is only for the top linkage hole.)

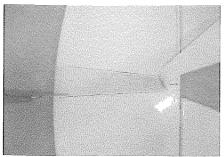




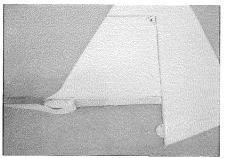
Use ruler to mark a center line on the horizontal. Try to fit the horizontal on the tail of the fuselage. The center line must be in the center position of the tail. When satisfy the location, use marker to mark the contacting area on the horizontal on both two sides.



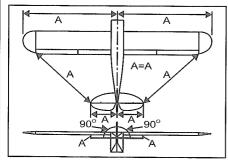
Try to install the vertical on the tail and use marker to mark the contacting area on the vertical.

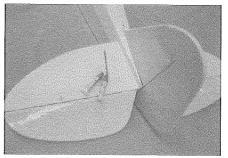


Remove both vertical and horizontal. Use hobby knife to cut off the covering inside the marking area on the horizontal (two sides). Please don't cut into the wood.

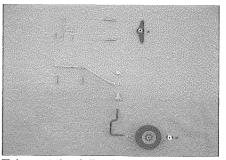


Use hobby knife to cut off the covering inside the marking area on the vertical. Please don't cut into the wood.

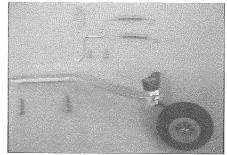




Use epoxy to glue the vertical and horizontal in position.

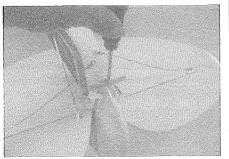


Take out the followingaccessories from the hardware bag:
Tail gear /T-stand / Wire
3mm Collar /Aluminum blot w/nut
Control Arm /Suspension (2 pieces)
3x16 Tapping screws (2 pieces)
2x12 Tapping screws (2 pieces)
Aluminum Collar /Tail wheel
3x4 Hex screws (2 pieces)

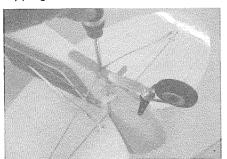


Assembling tail gear with stand and secure it with the screws. Insert the aluminum collar, tail wheel and 3mm

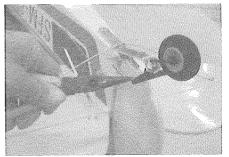
collar into the tail wire. Secure the assembly with 3x4mm hex screw. Fasten the tail wheel assembly on the tail gear w/aluminum blot and nut. Secure the control arm on the bolt with 3mm hex screw.



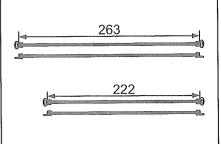
Try to locate the T-stand on the bottom of the rudder. Center its position and secure it with 2x12mm tapping screws.



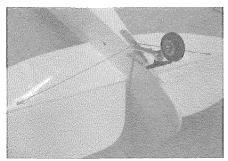
Place the tail gear assembly on the bottom of tail gear. Please note the direction. The bend end is facing the T-stand. Secure the front end of tail gear assembly with one piece of 3x16mm tapping screw on the fuselage. Place the bottom wiring assemblies on the tail gear. Secure the both ends with tail gear on the end of fuselage with 3x16 mm screws.



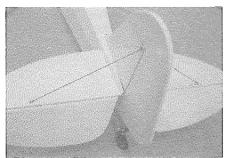
Take the springs out of the hardware bag. Use pliers to bend one end for installing on the T-stand. Pull another end to lock into control arm. Please note that the strength on both springs must be the same or the tail wheel and rudder will be affected. Cut off the extra length on the springs.



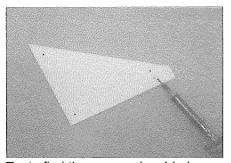
Use plier to cut the wire into two pieces. One is 263mm (for the top), another is 222mm (for the bottom). Connect the ends with connectors and press into flat. Drop some CA on the conjunction for reinforcement. The location for securing the wires on the horizontal and vertical.



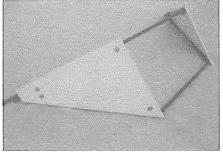
Use 2mm nut and washer to secure the screw though the bottom of the fuselage.



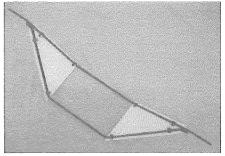
Use 2 x 15mm screw to secure the ends of the wire on thevertical and horizontal.



Try to find the pre-serving 4 holes on the main gear decoration planking. Use driller to drill off the covering over the holes.



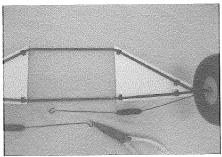
Insert the M2x15mm screws and 2mm washers to the holes.



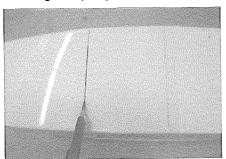
Take 8 pcs of plastic fixtures out of the hardware bag and secure the planking and the main gear with 2mm nuts.



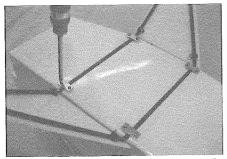
Insert gear spring into the main gear. Add collar, wheel and secure with M3x4 hex screws.



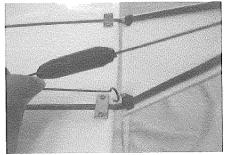
Use plier to open 5mm hook on the end of gear spring.



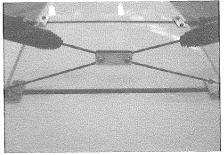
Use hobby knife to remove the covering over the main gear slot on the bottom of the fuselage.



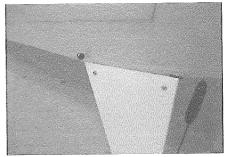
Take 4 pieces of metal plates out of the hardware bag. Secure the main gear in position with the metal plates and 2.6x10mm tapping screws.



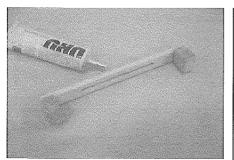
Use plier to adjust the hook on the gear spring for hooking on the main gear.



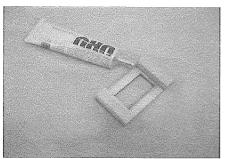
Use M3x8mm screws and 3mm flange nuts to secure 2 pieces of metal plates on the crossing of two springs.



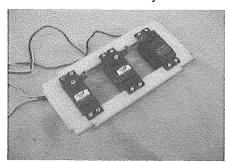
Screw the eye-screws into the preserving hole on the top of the gear.



Assemble the wood fixture for the rod. Use UHU to glue two planking together. Add two pieces of 13.5 x 20 x 20mm blocks on the ends of the planking. Apply UHU glue to secure the blocks in position.

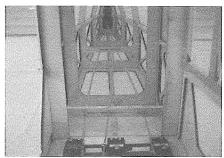


Use UHU glue to secure two pieces of 13.5 x 15 x 41mm blocks on the ends of throttle servo tray.

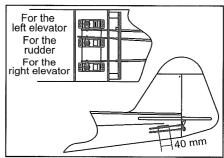


Secure the servos on the servo tray with the screws supplied with servos. Use 2mm driller to drill hole on the servo arm. Screw in the rod stand and plastic nut onto the servo arm.

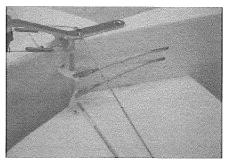
Make sure the rod stand can move freely.



Insert the outer tubes from the tail of the fuselage through the center fixture of the fuselage to the rod fixture combination. Insert the rod through the outer tube and screw in the metal clip and connect with the rod stand on the servo.



The length of the outer tube: 3.8mm x 830mm. Drop some CA to secure the outer tube on the rod fixture combination.



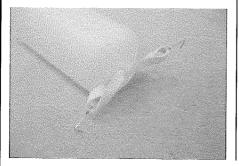
Slide one piece of 5mm silicone tube into the rod and screw the metal clip on the end of the rod. Connect the clip with control horn. Move the silicone tube to the clip for avoiding losing off during flying. Please keep the distance around 30mm between the end of the outer tube and the end of the rod. Drop some CA to secure the outer tube on the fuselage.



Repeat the same procedure on the left rod.



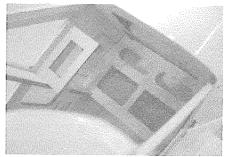
Use reamer to drill hole on the end of the tank.



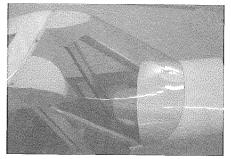
Slide the rubber band through the drilled hole on the tank. Connect hooks on both ends of rubber band.



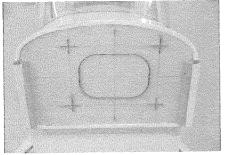
Connect the fueling tube (not included in the kit) with the tank. Use plier to adjust the hooks on the robber band for hooking on the planking.



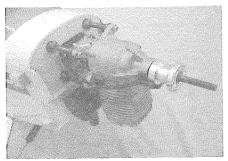
Install the throttle servo tray inside the fuselage. Secure the throttle servo on the servo tray with the screws supplied with the servo. Connect the rod with throttle.



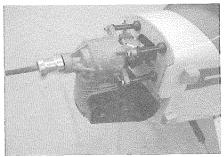
Use curved scissors to trim the canopy. Use 2x8mm tapping screws to secure the canopy in position.



The four cross- markings on the fire wall is for installing OS GT33 engine. If use different engine, the installing position will be different. Please use the four markings as reference.



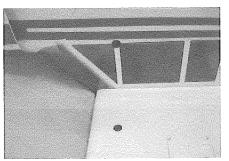
Please remove the fuel tank before installing the engine. Use 5mm driller to drill holes for securing the engine. Use hobby knife to cut open the center opening on the fire wall. Place blind nuts from inside and secure the engine in position.



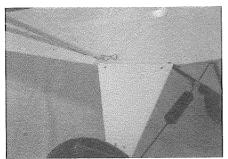
Try to fit the cowling onto the engine. Use curved scissors to trim the cowling. Take 4 pieces of small block out of the hardware bag. Try to place the blocks on the head of the fuselage. When satisfy the location, use marker to mark the outline of the blocks. Use hobby knife to remove the covering inside the marking area. Drop some CA on the blocks and glue them onto the fuselage.



Installing the cowling, assembling the propeller and spinner to the engine (not included in the kit). Use 2x8mm tapping screws to secure the cowling in position. Apply the decorative decal on the cowling.



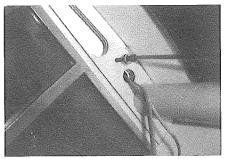
Cut a small piece of adhesive Velcro tape and stick on the side window and the right wing. (Please refer to the picture) It will be easier to open the window and remove the main wing.



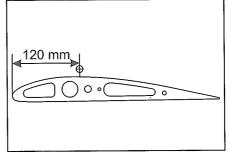
When assemble the main wing, please insert R- pin into the eyescrew to secure the strut in position.



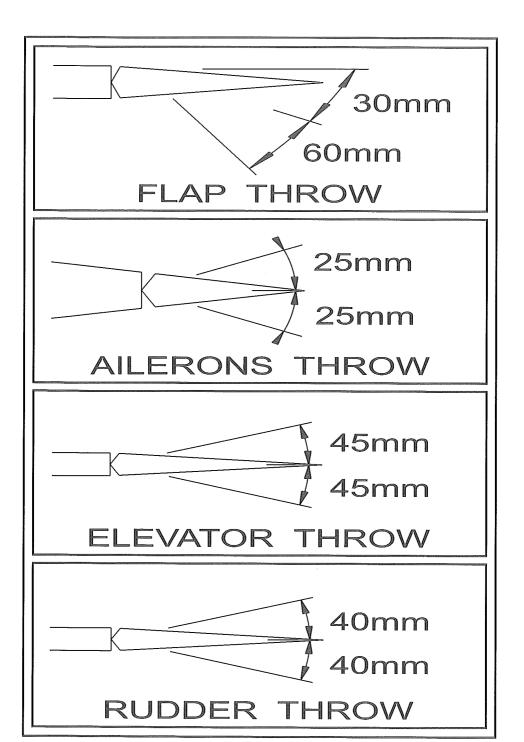
Picture of opening the window. Please add hinges on the front edge of the top window and the rear edge of the bottom window.



Use 3.0mm hex wrench to secure the main wing inside the fuselage.



The recommended C.G. Location is 120mm back from the leading edge.





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