Hovercraft Scamper-1 Supplemental Instructions

Battery required: 4s 2200mah Li-Po
Radio required: 2+ channel radio control system (27mHz, 40mHz or 2.4GHz) 1x 9g micro servo, (JR375ES recommended). Optional gyro system can be fitted (JRG170 recommended).

These instructions relate to the assembly drawings on pages 8 to 20

Fig 1- Please check that the spinner screw is tight & that the motor/impeller unit is free running, there will be slight resistance from the magnets in the motor.

Fig 2- Take the top half of the hull and glue the molded nuts to the hull in 6 places shown in the diagram (Poly-Zap CA, ZAP22 recommended).

Fig 3 - Screw the pre assembled fan unit to the top half of the hull using the M4x10 cap head bolts & washers and insert the nuts into the corresponding moulded pockets in the underside of the hull making sure the fan unit is the correct way up.

Fig 4 - Attach the fan housing and shroud using the 6 M2.6x10 bolts & the 3 M2x6 bolts.

Fig 5 - Screw the ball to the bottom of the right hand rudder and then attach the link rod with the two M2x6 bolts & washers. Locate the rudders in the hull and attach the 'wing' to the hull with two M3x8 bolts. The fin will support the rudders from above.

Fig 6 - Centre your servo and then cut off the un-used side of the servo arm. Fit the ball to the arm & attach a nut to the back of it with thread locking compound (ZAP42 recommended).

Fig 7 - Using the supplied double sided tape, secure the servo into the location shown in the diagram. Use the supplied rubber grommet to protect the servo lead from chaffing on the hull. Make up the rudder linkage, the correct length will be achieved once the servo arm and the rudders are parallel.

Fig 8 - Using the supplied rubber grommets route the motor wires as shown in the diagram.

Fig 9 - Fit the moulded lenses to the front of the hull with canopy glue (ZAP56) & thread the velcro tape through the hull as shown in the diagram.

Fig 10 - Fit the switch and receiver as shown in the diagram. Due to problems with the speed controller overheating K&S recommend fitting the speed controller as shown in the below images this allows a good flow of air over the Speed Controller. Fit two rubber grommets to the rear of the cockpit opening. Route the receiver aerial as shown.

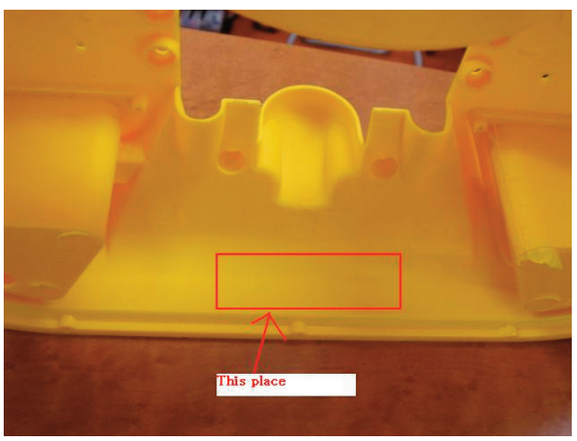

Fig 11 - Optional gyro system fitted. Please see your gyro instructions for setup details.

Fig12 - Please connect your servo, receiver & speed contoller as shown in the diagram.

Fig 13 - Take the rubber skirt and lay it over the bottom half of the hull. Lay the top half of the hull on top and fit the 18 M2x8 bolts & nuts around the outside to clamp the two halves together.

Fig 14 - Use the 12 M2.3x8 screws to attach the bottom hull cover plate.

Fig 15 - Attach the rear lenses to the top hull half with M2x8 bolts & canopy glue (ZAP56).

Fig 17 - If you wish you can paint the cockpit area & pilot. Fix the canopy screen with canopy glue (ZAP56).

Fig 18 - Figure 18 shows how the radio compartment hatch is fitted. Feed the aerial through the aerial tube and push the tube into the aerial exit moulding.

Fig 19 - Using the pre cut double sided tape attach the front rubber skirt.

Fig 20 - With the battery fitted balance the model slightly forward of centre, use the battery to adjust the balance point.

Fig21 - Check that the transmitter sticks operate the motor and rudders as shown. Use the transmitter reverse switches if necessary to reverse the controls.