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Aerokits/Jotika Sea Queen

by IanH



16th Oct 2018

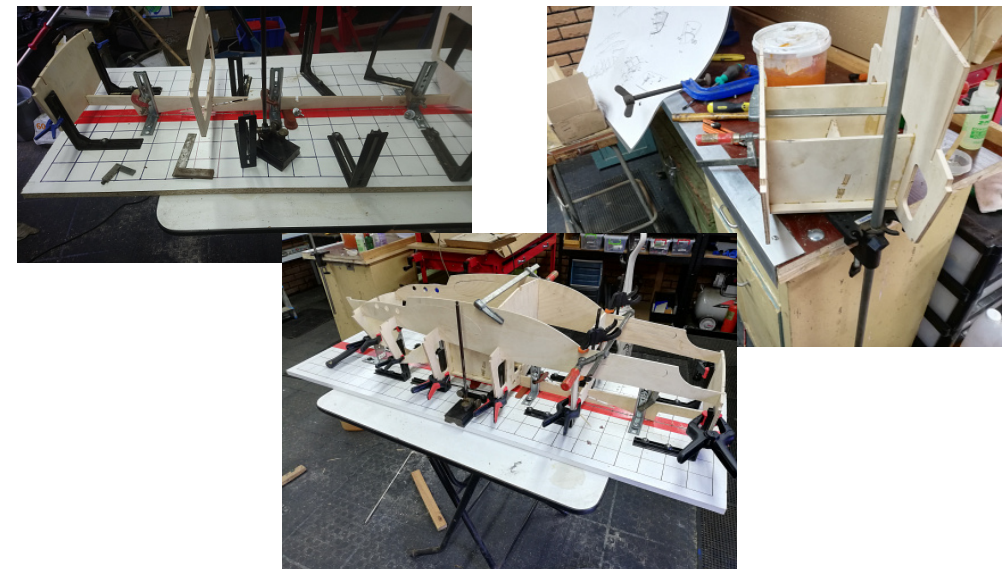
Aerokits/Jotika Sea Queen

Hi This is being built from the Jotika Sea Queen Kit. The kit is quite comprehensive but I need to check the fittings supplied as some of the look a bit small for a 1:12 Boat. Also decided to change the Motor from the existing Caldercraft to an MFA Torpedo 850 as I believe the Caldercraft Motor only manages walking pace. First thing was to build a building board. I need this to also cope with a VMW 46" RAF Crash Tender.

16th Oct 2018

Aerokits/Jotika Sea Queen

I made this from a 54" long piece of Melamine shelving. shallow cut a centre line down the middle 1/16" wide. The board was then marked into 2" squares using a laundry marker. The design concept was from a fuselage jig I had made by SLEC. The holes required for the brackets are M5 with captive (T nuts) underneath pulled up into the bottom of the board. The red tape down the centre is masking tape (the high quality stuff) this was to stop the boat glueing itself to the board. As the the keel has a skeg we needed to raise the keel to ensure parallelism I used an Engineers Marking out block and two doorstops on this. The angles can slide and you then clamp the Bulwarks on I used thirty minute epoxy for this although I would like a longer working time epoxy. Bulwarks 3 and 4 with the motor base was also epoxied together. This was then located on the keel (Dryfit along with the other bulkheads. A word of advice here use the cabin sides to ensure alignment. Check with a rule and squares before gluing anything.

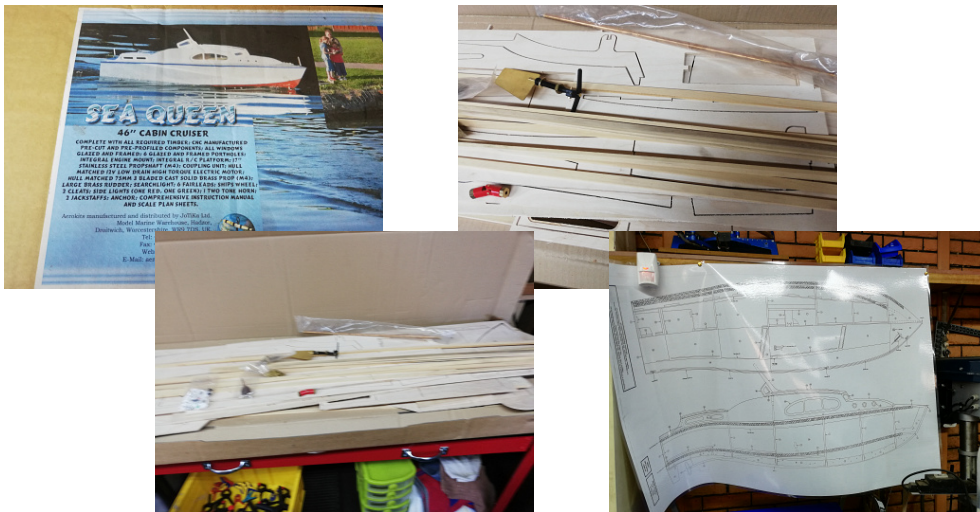


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Kit Quality ETC.

To give you some idea of the quality of this kit. Here are some photos. The quality is excellent and if you have a bit of experience this can easily be built. I don't fancy the all white look as the original had mahogany cabin sides and brass portholes this is what I will do with it,??



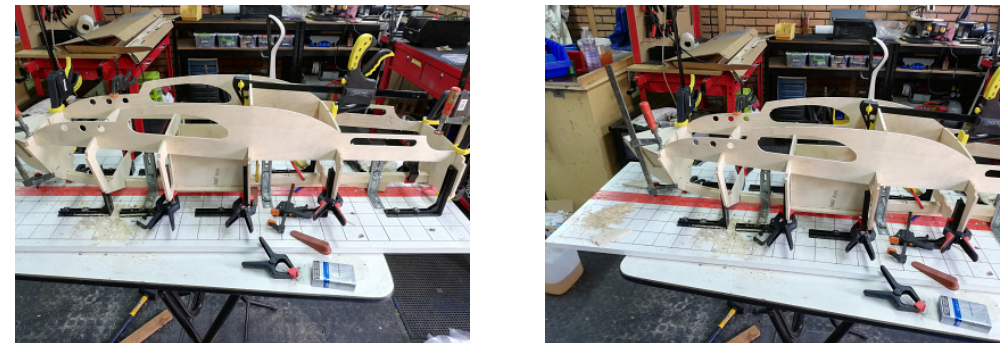
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Assembly

Hi All Would suggest you dry assemble with the cabin sides as my forward bulkhead was out by 2 Degrees. When I cut the pieces out I used a new Dremel Moto Saw as my old scrollsaw from Dremel was condemned due to inavailability of blades. Like I say not enough clamps Have ordered the decking from Jotika this is extra and allows you to plank the deck and cockpit more realistically.



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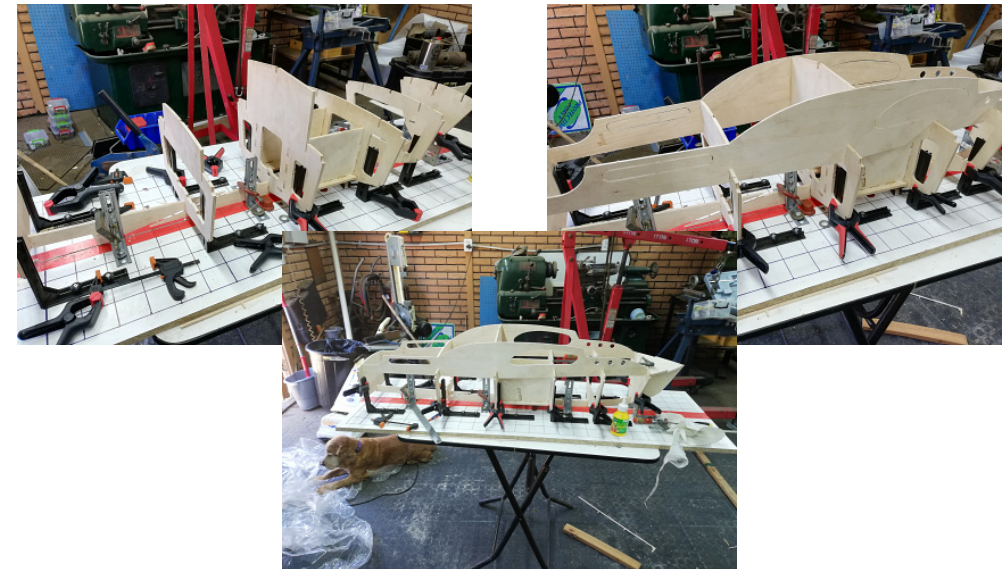
Motors

Don't know what happened MOTOR COMPARISON Model Number Caldercraft CEM 900T MFA Torpedo 850 Nominal Voltage 12v 12v Operating Range 6-24v 12v Type Brushed Brushed Current Cons No Load 0.4A 1.9A Current Consumption Max Eff 5A 10,8A Stall Current 20.3A 40A RPM at Nominal Voltage 3000r/min 9778r/min Prop Caldercraft 75mm The Motor I am putting in this Sea Queen is a Torpedo 850. This is due to the Caldercraft motor only manages just above walking pace.

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Assemble the hull

The Bulwarks were out in place on the jig and glued with ZAP 30 minute epoxy. I used the cabin sides to align the bulkheads. By the way Clamps you will need a lot of these



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Clamps

Part of my collection



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Electrical

Hi All Refer to attached for motor comparison. I don't like using Cyano so the hull be built using ZAP 30minute epoxy and a weather proof Alphylitic from Sika. I will more than likely use a polyurethane based glue for the skinning. The hole boat will be epoxy coated inside and out to add strength. By the way the epoxy resin will increase the strength by about 2.5??

