

Hobie Cat

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Dear TriFoiler Customers,

Here at Hobie Cat we are constantly striving to improve our products and service. We greatly appreciate hearing from you, listening to your suggestions, and passing on to our other TriFoiler enthusiasts improvements which can be made. Recently we have discovered several items which require immediate attention so that you can enjoy a safe, fun sailing experience. The enclosed video shows how to make the checks and repairs if necessary. We very much wish to thank you in your cooperation and ask that you call us if you have any questions or comments.

- 1) It is possible that the glass on the edge of the cockpit just under the speedometer is too thin on some of the boats. This area should have got some reinforcing patches, but if it did not it is possible that a crack could develop due to torsional stress in the main hull during a high speed turn. Boat numbers 1 - 40 should be fine. We suspect boats 41 - 104 may need reinforcement.
- 2) We suspect that 4 screws that hold down a turning block for the main sheet could pull out. This block is under the deck and next to the 5 cam cleats. It turns the nylon rope up so that it can come up through the deck. There should be some reinforcing glass under this block and if that is the case then it should be fine. If the glass is in the wrong place the screws will miss the glass and then the screws can pull out. We are concerned about the first 20 boats that Hobie built. Boats 35 - 55. If these screws are not into the extra glass, simply remove the block and put 3 layers of glass (2 inches square) over the four holes and reinstall the block.
- 3) We might have stripped the 2 screws that hold down the turning blocks for the steering cable. There are two blocks - one on each side of the steering pedals. Please use a screw driver to see if these screws snug up. If they snug up, they are fine. If they are stripped, replace the #10 x 1/2" sheet metal screw with a #10 x 3/4" sheet metal screw. We suspect there could be problems with boats made by Hobie (boats 35 - 104).
- 4) We would like to do two things for the sensors. We are going to install another pad eye on the mast and we are going to install a spacer between the sensor arm and the sensor to hold up the bow of the sensor. The sensor bow line is a good design, but the adjustment is too critical and it is possible that things may get out of adjustment. Therefore, we are going to use the spacer as a back up. We would like to use both the sensor bow line and the spacer as precautions. We want to move the pad eye on the mast down because that will improve the geometry. With the pad eye lower the sensor bow line has more constant tension on it and it keeps the angle of the sensor more constant. It is a good idea to either remove the higher pad eye or put some tape on it so that you remember to put the sensor bow line on the lower pad eye.

5) We suggest that you may want to adjust the length of the sail link. The video explains the pros and cons of various sail link lengths, but we are recommending a length of 202 inches from pin to pin. Some of the early boats are 202 inches so you may want to measure yours to see what you have.

6) Newer boats have a 3/16" carbine hook which clips the port boom to the king post while stepping the port mast. Please be careful that the hook is not twisted or binding. If it is then the back stay will not reach the pad eye and extra stress may break the hole off of the aluminum pulley cleat. If this happens the port mast will fall.

We suggest putting a very short loop of line through the pulley cleat and shorten the line that holds the carbine hook to the king post. The short loop of line will be more flexible and will not allow the hook to bind up. The length of the system is critical. If the line is too short the back stay will not reach the pad eye. If the line is too long the boom will not be able to hold the mast up.

7) Please remember it is very important to remain properly seated in the cockpit when ever the boat is on the foils.

8) We have a new owner's manual that we have sent to everyone. Please be sure you have read it and understand it.

The repair kit

includes;

item	qty	
1	3	pieces of quadrax 1.5" x 4"
2	3	pieces of quadrax 2" x 2"
3	1	package West System epoxy 19.2 grams
4	1	applicator brush
5	1	piece of coarse sand paper
6	1	pair of rubber gloves
7	1	mixing cup
8	2	#10 x .75" sheet metal screws
9	2	sensor arm spacer 1" black delrin rod x 1.5"
10	2	#10 x 1.25" sheet metal screws
11	2	pad eyes
12	4	#10 x .5" sheet metal screws

Thank you very much for your patience and cooperation and I hope you have a lot of fun with your TriFoiler. If you have any questions please give me a call.

Sincerely;

Greg Ketterman Ext. 203