

Petticrows Mast Chock Kit and Fitting Instructions

This kit of parts has been designed to assist Petticrows Dragon owners to comply with the new class rules that come in to force on March 1st 2016: See rule 6.103 at end of this document.

The system has been designed for ease of fitting, **but** most importantly, will not cause damage to the mast during sailing.

Also when it has been fitted the mast can be stepped and removed with the chocks screwed into position.

We have kits for our standard "M" mast section and also our stiff "I" section.

Kit comprises of:

From aft to front:

1x aft U shaped chock, fixed with 2 x no.10 x 25mm long pan head self tapping screws

1x pair long shaped chocks to clamp around mast, fixed with 4 x M5 x 60mm long counter sunk machine screws

When height on mast is confirmed to be fixed with 2 x 5mm rivet through side hole.

Front chock assembly comprises of:

1 x rectangular black chock with 2 x countersunk holes at 5mm thick.

5 x rectangular white chocks at 1mm thick (you may or may not need these, they are to adjust the final fit)

1 x rectangular black chock at 25mm thick, to be fixed with 2 x no.10 X 50mm long countersunk head self tapping screws.

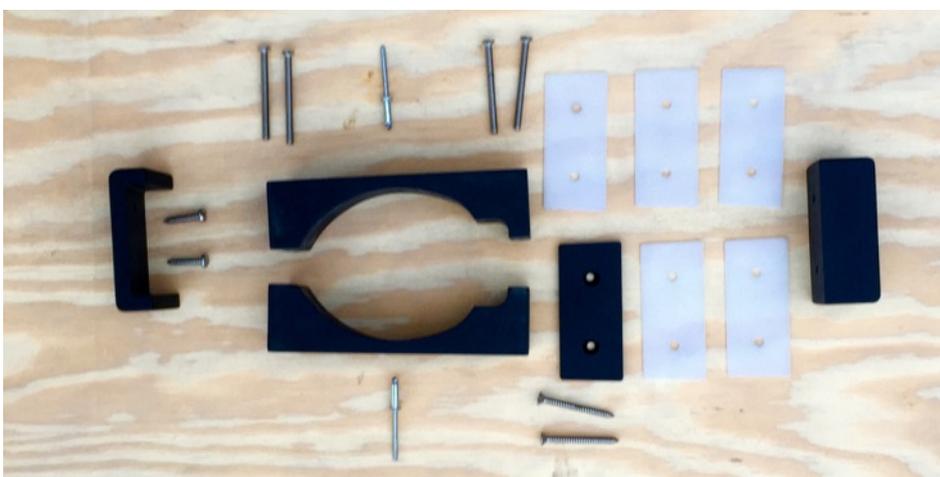
1 x small 90 degree screwdriver to assist fitting.

1x 4.5mm drill bit

Take care:

All chocks are slightly smaller at the bottom to match taper in the glass fibre deck moulding.

Drill holes for the permanent aft and forward chock assembly for the self tapping screws with a 4.5mm drill.



Picture showing all components



To start fitting best to remove the neoprene mast sock.



Remove existing small side chocks from the mast and clamp the new large chocks around the mast.



Use all four screws. DO NOT OVER TIGHTEN.

You may need to adjust the height later.



This shows all components for the front and rear permanent deck chocks. You will need a 90 degree drilling machine.



Front chock



Aft chock.





Put mast in and check it complies with the aft and forward stainless measurement plates when hitting hard against the newly fitted permanent deck chocks.

Easy to use the aluminium surround for this.

If adjustment is necessary then the front permanent chocks can be adjusted by adding / removing the white 1mm thick chocks. If more adjustment is necessary it may be needed to cut the big black chock.

For the aft chock adjustment it may be necessary to cut the port/starboard protrusions OR add one or more of the 1mm thick white chocks .



Shows front and aft chocks screwed into position.



Final assembly.
Mast can easily be stepped with the new permanent deck chocks in position

NEW RULE.....Rule 6.103

“A mark (made from metal or plastic plate) 50mm measured fore and aft and 20mm athwartships shall be fixed to the deck each side of the mast opening, in such a position that the foreside of the mast shall not be outside nor be capable of being moved outside the limits of these marks.

Movement of the mast within these limits shall be restricted by either: (a) A mast ram (or controller) permanently fixed in such a way that total fore and aft movement of the ram (other than by adjustment of bottle screws) restricts the mast to within these limits. Any adjustment of mast ram bottle screws or other devices which results in the mast being capable of movement outside these limits is prohibited or **(b) Chocks (or other filling pieces or bolts) fixed in such a way that they cannot be removed while racing with the mast in place or otherwise fixed by means of screws (which shall not be removed during).**

Athwartship clearance of more than 10mm each side is prohibited. Any filling pieces limiting athwartship movement to 10mm shall be fixed such that they cannot be removed with the mast in place.

This Rule applies to all Dragon's certified after 1. March 2015. Dragon's certified before 1.March 2015 shall comply with this Rule after 1. March 2016.“

