

Prescribed Equipment Upgrade Practices

- This document should be read in conjunction with the document “RS Quest Class Equipment Rules (Australia)”.
- The equipment rules specify whether particular equipment upgrades are mandatory or optional.
- They also specify whether those upgrades must be implemented in a “prescribed manner” or whether they may be implemented “as the owner determines”.
- This document details the prescribed practices.
- For additional suggested equipment practices, refer to the separate document “Additional Suggested Equipment Practices”.

Control Systems

Upgrading mainsheet purchase system

Reason

- To provide more purchase for mainsheet hands

Method

- Remove track plug from the end of the boom
- Slide a third mainsheet eye slider into the track, and position it so the three sliders are equally separated
- Attach the original single block with becket to the new slider
- Attach the new double block with becket to the mainsheet harness
- Run the mainsheet as per Image 3

Supplies required

- 1x mainsheet eye slider, Selden, 511-714-02 (Image 1)
- 1x double ball bearing block with becket, Ronstan, RF40210 (Image 2)

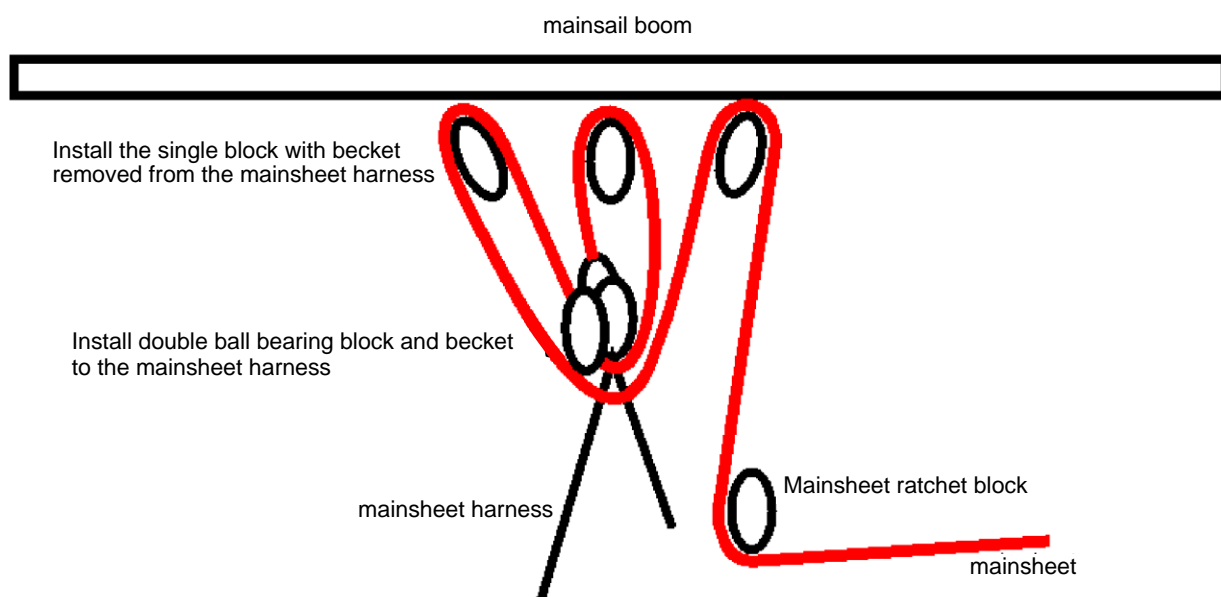
Image 1



Image 2



Image 3



Upgrading mainsail outhaul system

Reason

- To facilitate adjustment of the outhaul while sailing

Method

- Remove existing aluminium outhaul jam cleat from side of aft end of boom (or purchase another jam cleat)
- Install bulls eye fairlead on this (same) side of boom at aft end, directly below the outhaul saddle, using rivets or self tappers

This will be installed on the opposite side of the boom to the reefing line

Note: Some boats were manufactured with the outhaul jam cleat on the port side, and some with it on the starboard side. Regardless, the new bulls eye fairlead should be mounted on the opposite side to the reefing line.

- Re-install the previously removed jam cleat, or a new one, to forward end of boom mid-way between reefing jam cleat and inner end of the boom section
- Secure outhaul line to outhaul saddle with stopper 8-knot
- Run outhaul line from this saddle through mainsail clew; run it back through the aft side of the bulls eye fairlead; run it forward along the boom; and tie it off to the new block (See images 7 and 8)
- If using a new Ronstan jam cleat, fasten the outhaul line to the jam cleat through the hole provided using a stopper 8-knot; run it aft to pass around the block's sheave; run it forward into the jam cleat; and finish with another stopper 8-knot
- If re-using the existing Clamcleat, drill a 6mm hole sideways through the base of the cleat, and then proceed as above

- Fit hook-and-loop tape around the boom and outhaul system to prevent the outhaul system sagging and interfering with the crew

Supplies required

- 1x bulls eye fairlead with stainless steel bore, medium, Seldon, 508-604 (Image 4)
- 2x S/S rivets, 4.8mm x 14.5mm (MS6-6), or S/S pan head self tappers
- 1x existing aluminium jam cleat, black, Clamcleat, Racing Junior Mk2, CL211MK2
OR
- 1x new jam cleat, small, Ronstan, V-Cleat Small Fairlead, RF5101 (Image 5)
- 2x S/S rivets or 6G S/S pan head self tappers
- 1x block, 20mm, Ronstan, Series 20, RF20101 (Image 6)
- 4-6mm polyester 8-braid to suit block and cleat
- Hook-and-loop tape 12mm wide x 300mm long

Image 4



Image 5



Image 6



Image 7

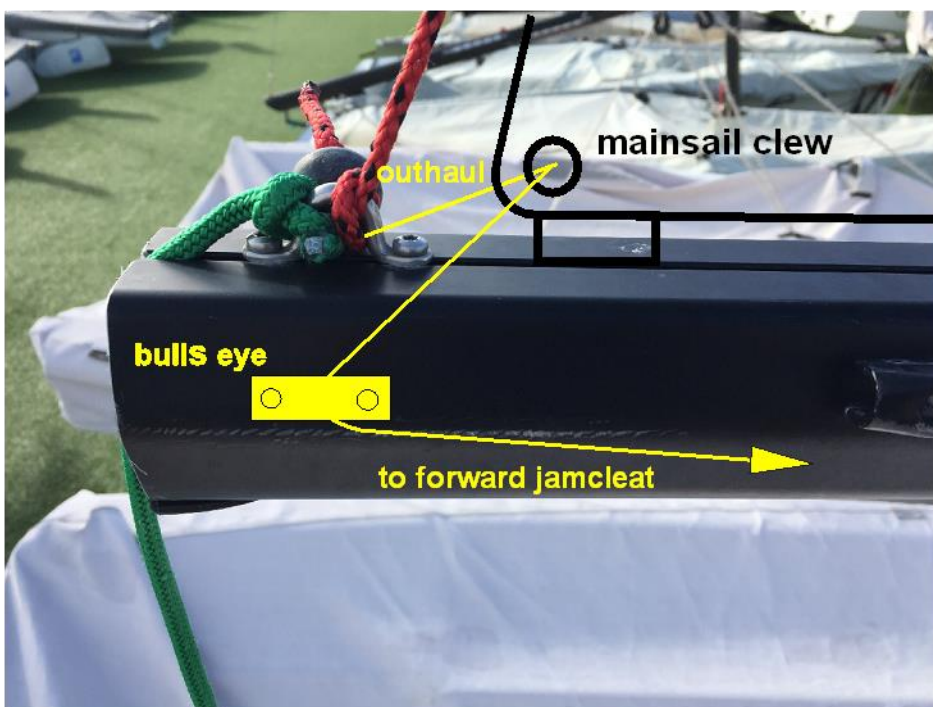
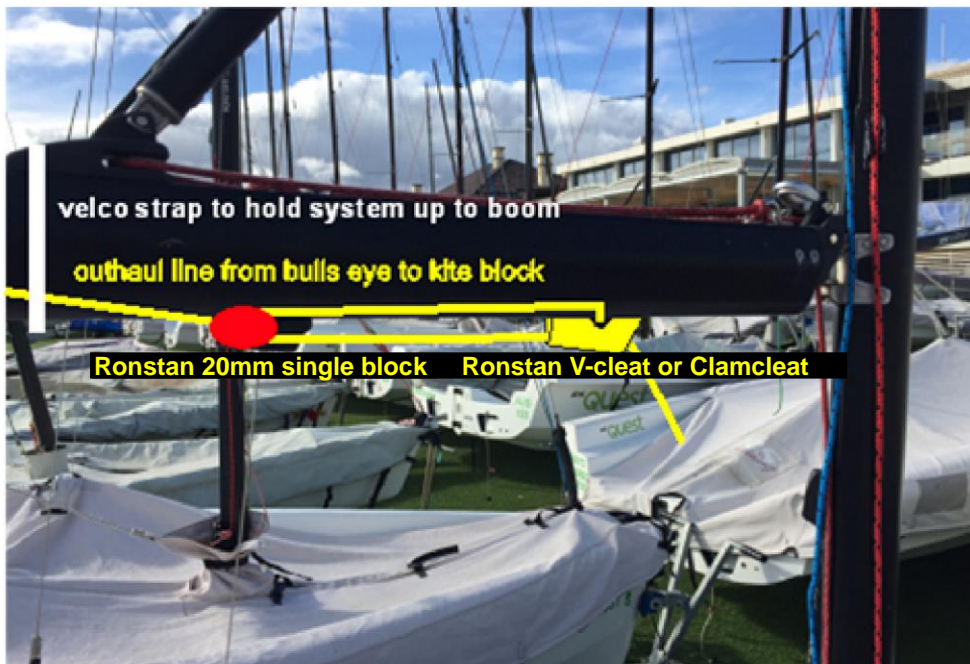


Image 8



Upgrading mainsail and jib halyard cleating systems

Reason

- To prevent unintentional release of halyards, and minimise line chafe

Method

- Instal the port horn cleat mid-way between the lower edge of the gooseneck and the top edge of the existing cunningham jam cleat
- Instal the starboard horn cleat on the starboard side at the same height as the port cleat

Supplies required

- 2x horn cleats, 75mm, Ronstan, RF520 (Image 9)

Image 9



Upgrading cunningham system

Reason

- To facilitate easier operation

Method

- Instal cunningham swivel cleat in the mast track no higher than 450mm above the mast step, either above or below the gnnav swivel cleat (See image 11)

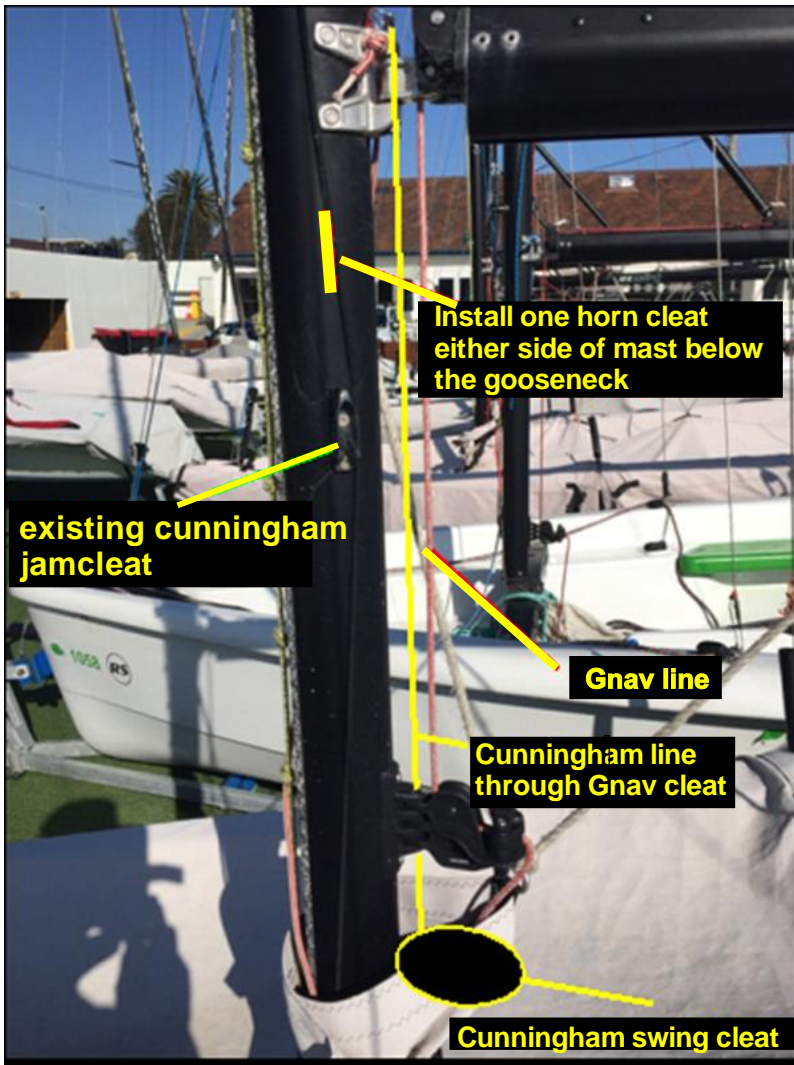
Supplies required

- 1x swivel cleat, Seldon, Mast Swivel 27, P43350101 (Image 10)

Image 10



Image 11



Gear Handling Refinements

Shortening tiller extension

Reason

- To avoid potential eye injury to crew when sitting side by side

Method

- Remove rivet at tiller end of the extension
- Cut off extension shaft at tiller end to desired length
- Drill rivet hole, install and secure rivet with black insulation tape

Supplies required

- Black insulation tape