



LaserPerformance

SB3 Match

Rigging Manual

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SB3 Match Rigging Instructions

The SB3 Match rigging instructions are a guide to rigging your boat. Due to production supplies certain parts may be slightly modified from those shown. This instruction manual is not a guide to sailing your craft and it should not be considered suitable for the task of learning to sail a boat.

1. Component Parts

- The following component parts comprise the SB3 Match Kit Complete:

90031 - MATCH KIT COMPLETE SB3 MATCH (Comprises Part Codes 90030 & 95607)		
90030 - HARDWARE KIT W/POLE SB3 MATCH		
QTY	DESCRIPTION	FUNCTION/USAGE
1	LASER SB3 CBN SPIN POLE CONV.	Carbon Spinnaker Pole
2	BLOCK, BBB30 SINGLE, STRAP	Pole Uphaul/Downhaul Turning Blocks (Pole Trough)
1	BLOCK, BBB30 SINGLE, SWIVEL	Pole Uphaul Turning Block (Mid Mast)
1	BLOCK, BBB40 SINGLE	Spinnaker Uphaul Turning Block (Upper Mast)
3	SHACKLE ϕ 6x13x24 ST	Attachment Shackles: x2 Pole Uphaul/Downhaul Turning Blocks, x1 Vang Block Lower
1	BLOCK, BBB30 DOUBLE	Double Pole Uphaul/Downhaul Turning Block (Lower Mast)
4	BLOCK, BBB30 SINGLE, STRAP	Twinning Blocks
1	BLOCK, PBB50 SINGLE	Vang Block Upper
1	BLOCK, BBB40 TRIPLE,CAM, SWIV.	Vang Block Mid
1	BLOCK, BBB40 DOUBLE/BECKET	Vang Block Lower
4	CAMCLEAT 38 BLUE	x2 Jib Sheet Cleats x2 Twinning Line Cleats
2	TOP GUIDE 38	Fairleads For Twinning Line Cleats
4	BUSH ϕ 18/5.5 X 10 ACETAL	Spacer Bushes For Twinning Line Cleats
2	CLEAT MOUNT PLATE (433-201-01)	Mount Plates For Twinning Line Cleats
4	M/SCRW, M5 x 100 ,CSK.SLOTTED	Machine Screws For Jib Sheet/Twinning Line Cleats
4	WASHER M5 PENNY ST.ST.A2	Washers For Jib Sheet/Twinning Line Cleats
4	NYLOC NUT M5 ST/NYL	Nuts For Jib Sheet/Twinning Line Cleats
2	M/SCRW, M4 x 16,CSK.POZI A4	Machine Screws For Spinnaker Sheet Catcher
2	NYLOC NUT M4 ST/NYL	Nuts For Spinnaker Sheet Catcher
1	SHEET CATCHER, L=350,SB3 MATCH	Spinnaker Sheet Catcher
2	2-P EYE ϕ 6 WITH CLAMP PLATES	Mount Eyes For Vang Strop Upper
1	POLE STOWAGE, FRONT B087.,B120	Pole Storage Bracket (Front)
1	POLE STOWAGE,AFT B087.,B120	Pole Storage Bracket (Rear)
1	SPIN POLE RING, SB3 MATCH	Pole Attachment Bracket (Mast)
2	SCREW M10x60 ST	x1 Mast Heel Machine Screw, 1x Goosneck Machine Screw (Pre July 2009 Mast)
1	SCREW M8x80 ST	1x Goosneck Machine Screw (Post July 2009 Mast)
2	LOWERS ATTACHMENT, SB3 MATCH	2x Lower Shroud Attachment Brackets With 10mm Holes (Gooseneck) (Pre July 2009 Mast)
2	LOWERS ATTACHMENT, SB3 MATCH	2x Lower Shroud Attachment Brackets With 8mm Holes (Gooseneck) (Post July 2009 Mast)
2	NYLOC NUT M10 ST/NYLON	x1 Nut For Mast Heel Machine Screw, x1 Nut For Goosneck Machine Screw (Pre July 2009 Mast)
1	NYLOC NUT M8 ST/NYLON	x1 Nut For Goosneck Machine Screw (Post July 2009 Mast)
1	VANG STROP,SB3 MATCH	Vang Strop Lower
1	LASER SB3 MATCH GNECK LOWERS	Lower Shouds (Gooseneck)
1	SB3 MATCH RUNNRIG PACK	Running Rigging Pack (Includes Items Listed Below)
10.5m	ROPE D-PRO 100% DY.12 PL. ϕ 5	Internal Mast Strop
5m	MAGIC PRO ϕ 5mm.YELLOW	Twinning Line
0.5m	ROPE D-PmaRO 100% DY.12 PL. ϕ 4	Twinning Block Tie
0.5m	ROPE D-PmaRO 100% DY.12 PL. ϕ 4	Twinning Block Tie
2m	ROPE D-PRO 100 %DY.12 PL. ϕ 6	Vang Strop Upper
2m	ROPE D-PRO 100 %DY.12 PL. ϕ 6	Vang Part 1
5.5m	MAGIC PRO ϕ 6mm.RED	Vang Part 2
1m	ROPE 100% HMPE 12 BRAID. ϕ 8	Pole Uphaul Strop
15m	MAGIC PRO ϕ 5mm.RED	Pole Uphaul
8m	MAGIC PRO ϕ 5mm.BLACK	Pole Downhaul
95607 – SPINNAKER SB3 MATCH		
QTY	DESCRIPTION	FUNCTION/USAGE
1	SPINNAKER SB3 MATCH	Symetrical Spinnaker

- Un-package and familiarise yourself with the component parts of the SB3 Match Kit prior to fitment.

2. Tools Required

- The following tools are required to successfully fit the SB3 Match Kit:
 - Medium size posi drive screwdriver
 - Medium size flat blade screwdriver
 - 10mm ring spanner
 - 8mm ring spanner
 - 7mm ring spanner
 - Electrical tape
 - Whipping Twine
 - Sikaflex or Silicone Sealant
 - Pliers
 - 2 x 13mm spanners (or adjustable spanners)
 - 2 x 16mm spanners (or adjustable spanners)
 - Tape Measure

3. Twinning Line/Jib Sheet Cleats

Parts Used:

4	CAMCLEAT 38 BLUE	x2 Jib Sheet Cleats x2 Twinning Line Cleats
2	TOP GUIDE 38	Fairleads For Twinning Line Cleats
4	BUSH \varnothing 18/5.5 X 10 ACETAL	Spacer Bushes For Twinning Line Cleats
2	CLEAT MOUNT PLATE (433-201-01)	Mount Plates For Twinning Line Cleats
4	M/SCRW, M5 x 100 ,CSK.SLOTTED	Machine Screws For Jib Sheet/Twinning Line Cleats
4	WASHER M5 PENNY ST.ST.A2	Washers For Jib Sheet/Twinning Line Cleats
4	NYLOC NUT M5 ST/NYL	Nuts For Jib Sheet/Twinning Line Cleats

- Remove both standard equipment (Harken) jib sheet cleats from the boat using a medium size posi drive screwdriver and an 8mm ring spanner.

Note: You will have to reach through the main cockpit hatch in to the internal hull cavity to achieve this as the cleats are fastened in place using machine screws, nuts and washers. Keep all removed parts in a safe place as these are not required whilst the SB3 Match Kit is being used.

- Apply a small quantity of Sikaflex or Silicone Sealant in and around the jib sheet cleat fastener holes.
- Carefully fit the Twinning Line/Jib Sheet Cleat assemblies on the port and starboard sides of the cockpit as shown.

Fairlead for Twinning Line Cleat

Twinning Line Cleat

Mount Plate for Twinning Line Cleat

Spacer Bushes for Twinning Line Cleat

Jib Sheet Cleat

- Ensure the large replacement “penny” washers and nylock nuts are fitted correctly on the underside of the deck before firmly tightening the SB3 Match Kit supplied machine screws using a medium size flat blade screwdriver and an 8mm ring spanner.



5. Ensure the replacement machine screws have not been over-tightened by checking each cleat cam jaw for smooth actuation.

4. Twinning Line/Blocks

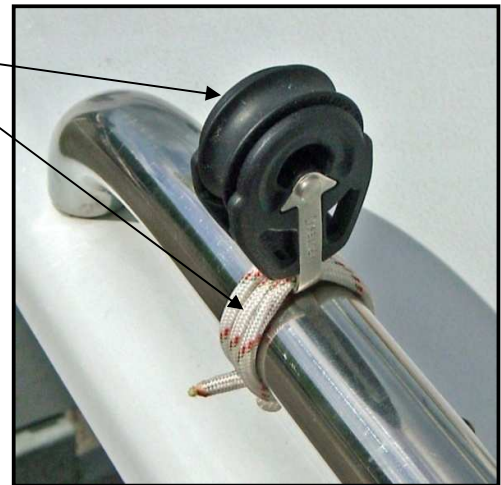
Parts Used:

4	BLOCK, BBB30 SINGLE, STRAP	Twinning Blocks
5m	MAGIC PRO Ø5mm.YELLOW	Twinning Line
0.5m	ROPE D-PmaRO 100% DY.12 PL. ø4	Twinning Block Tie
0.5m	ROPE D-PmaRO 100% DY.12 PL. ø4	Twinning Block Tie

1. Fasten a Twinning Block approximately 150mm aft of the forward end of each port and starboard granny rail as shown.
2. Electrical tape should be used around the Twinning Block Ties to prevent these, the inner Twinning Blocks from sliding forwards or backwards.

Twinning Line Block

Twinning Line Block Tie



3. Starting from a position in the centre of the cockpit, take the Twinning Line and pass each loose end outwards through the port and starboard Twinning Line Cleats respectively.
4. Continue passing each end outwards through the port and starboard inner Twinning Line Blocks.
5. Tie the outer “floating” Twinning Line Blocks to the respective port and starboard loose ends of the Twinning Line using a bowline.
6. Using the standard equipment gennaker sheets as spinnaker sheets:
 - Pass the loose ends outward from a position in the centre of the cockpit.
 - Through the standard SB3 equipment ratchet/fairlead blocks.
 - Forwards through the respective port and starboard outer “floating” Twinning Line Blocks.
 - Outside and forward of the shroud anchor points in readiness for spinnaker attachment.

5. Asymmetric Gennaker Pole - Removal

1. Untie the knot in the asymmetric gennaker pole out line.
2. Untie the knot in the asymmetric gennaker pole tack line.
3. Using a medium sized posi drive screwdriver remove the 4 small retaining screws from both delrin/plastic asymmetric gennaker pole bearing/bushes. (Positioned on the underside of the stainless stem fitting and the stainless gennaker pole trough strap fitting respectively)
4. Remove the gennaker pole by sliding it carefully forwards and out of the gennaker pole trough.

Note: (Keep all removed parts in a safe place as these are not required whilst the SB3 Match Kit is being used)

6. Spinnaker Sheet Catcher

Parts Used:

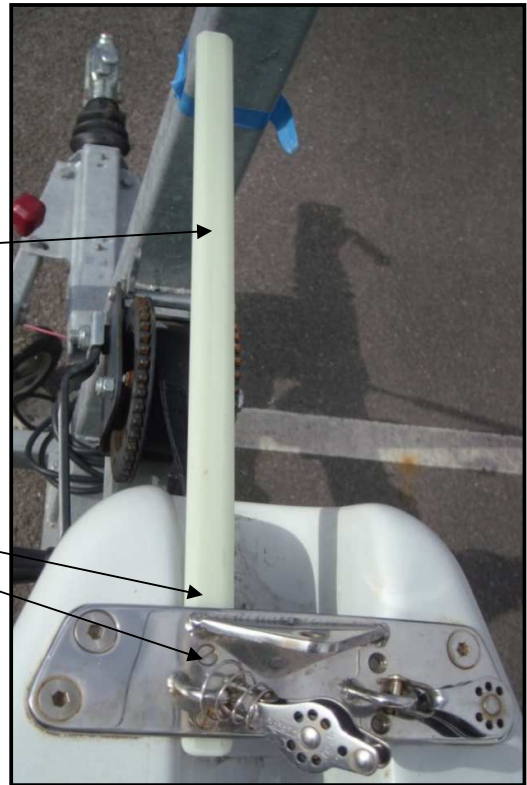
2	M/SCRW, M4 x 16,CSK.POZI A4	Machine Screws For Spinnaker Sheet Catcher
2	NYLOC NUT M4 ST/NYL	Nuts For Spinnaker Sheet Catcher
1	SHEET CATCHER, L=350,SB3 MATCH	Spinnaker Sheet Catcher

1. The Spinnaker Sheet Catcher should be attached to the stainless stem fitting as shown. (Utilising the 2 port side holes where the gennaker pole bearing/bush retaining screws were removed)

Spinnaker Sheet Catcher

2. Using a medium sized posi drive screwdriver and a 7mm ring spanner tighten up the retaining Machine Screws for the Spinnaker Sheet Catcher.

Retaining Machine Screws



7. Pole Uphaul/Downhaul Turning Blocks (Pole Trough)

Parts Used:

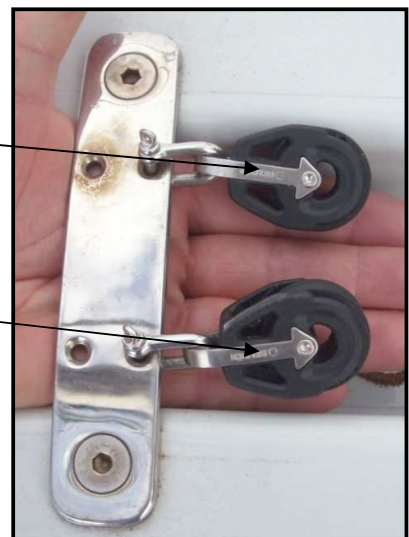
2	BLOCK, BBB30 SINGLE, STRAP	Pole Uphaul/Downhaul Turning Blocks (Pole Trough)
2	SHACKLE \varnothing 6x13x24 ST	Attachment Shackles: x2 Pole Uphaul/Downhaul Turning Blocks

1. Attach the Pole Uphaul/Downhaul Turning Blocks to the stainless gennaker pole trough strap fitting as shown. (Using the 2 aft holes where the gennaker pole bearing/bush retaining screws were removed)

Pole Uphaul Turning Block

Pole Downhaul Turning Block

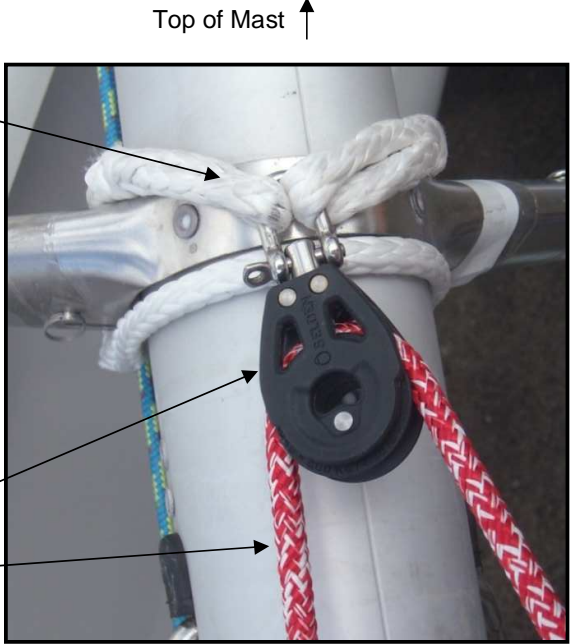
2. Tighten up the retaining Shackles using pliers to prevent disengagement and/or loss.



8. Pole Uphaul/Turning Block (Mid Mast)

Parts Used:

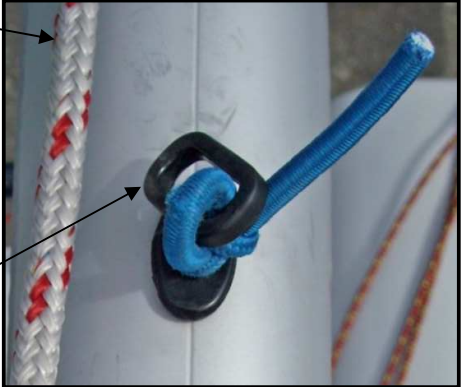
1m	ROPE 100% HMPE 12 BRAID. ø8	Pole Uphaul Strop
1	BLOCK, BBB30 SINGLE, SWIVEL	Pole Uphaul Turning Block (Mid Mast)
15m	MAGIC PRO ø5mm.RED	Pole Uphaul

- 
- Starting from a position just under the lower spreaders: Pass the pre-formed loop ends of the Pole Uphaul Strop down either side of the mast sidewall, up and over the back of the spreaders before returning to a position on the front face of the mast as shown.
 - Pass each end of the shackle provided (with the Pole Uphaul Turning Block) through one of the pre-formed loops in the Pole Uphaul Strop before securing the Pole Uphaul Turning Block in place using the shackle pin.
 - Tighten up the retaining Shackle using pliers to prevent disengagement and/or loss.
 - Feed the Pole Uphaul through the Pole Uphaul Turning Block before leading both ends back to the gooseneck area and temporarily tying off until the mast is stepped.

9. Internal Mast Strop

Parts Used:

10.5m	ROPE D-PRO 100% DY.12 PL. ø5	Internal Mast Strop
1	BLOCK, BBB30 DOUBLE	Double Pole Uphaul/Downhaul Turning Block (Lower Mast)
1	BLOCK, BBB40 SINGLE	Spinnaker Uphaul Turning Block (Upper Mast)

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- Remove the gennaker uphaul from the plastic fairlead loop on elastic. (just above the upper spreaders)
Note: The gennaker uphaul will be used as the SB3 Match Spinnaker uphaul.
 - Carefully remove the plastic fairlead loop from the elastic without losing the elastic inside the mast!

3. Take the pre-formed loop end of the Internal Mast Strop and shackle the Spinnaker Uphaul Turning Block to it.
4. Tighten up the retaining Shackle using pliers to prevent disengagement and/or loss.



5. Take the NON pre-formed loop end of the Internal Mast Strop and tie it securely to the end of the aforementioned elastic using whipping twine. A small quantity of electrical tape should be used to hold the whipping twine in place and prevent it from being knocked loose.
6. Go to the base of the mast at the forward face where the elastic exits. Carefully pull the elastic using it as a mouse to feed the Internal Mast Strop through the mast.



7. Stop pulling the elastic when the Spinnaker Uphaul Turning Block sits neatly on the front face of the mast and the internal mast strop appears at the base of the mast where the elastic previously exited.
8. Remove the electrical tape and whipping twine thus separating the elastic from the Internal Mast Strop.
9. Pre tension the Internal Mast Strop as much as possible before tying it off to the Double Pole Uphaul/Downhaul Turning Block. (Using a double half hitch knot or similar)
10. The Internal Mast Strop should be tight enough so that the Spinnaker Uphaul Turning Block and the Double Pole Uphaul/Downhaul Turning Block both neatly on the front face of the mast where the elastic previously exited.
11. Pass the spinnaker uphaul through the Spinnaker Uphaul Turning Block before leading it back to the gooseneck area and temporarily tying it off until the mast is stepped.
Note: (Keep all removed parts in a safe place as these are not required whilst the SB3 Match Kit is being used)

10. Pole Attachment Bracket (Mast)

Parts Used:

1	SPIN POLE RING, SB3 MATCH	Pole Attachment Bracket (Mast)
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1. Remove the standard equipment SB3 lowers from their attachment bracket on the front face of the mast. These will not be used for the SB3 Match.
Note: (Keep all removed parts in a safe place as these are not required whilst the SB3 Match Kit is being used)
2. Position the SB3 Match Pole Attachment bracket so that it “piggy backs” the standard equipment SB3 lowers attachment bracket as shown.
3. Tighten up the Pole Attachment Bracket retaining fixings using a using a medium size posi drive screwdriver and a 10mm ring spanner.



11. Vang Strop Lower (Mast)

Parts Used:

1	VANG STROP,SB3 MATCH	Vang Strop Lower
1	SCREW M6S 10x60 ST	x1 Mast Heel Machine Screw
1	NYLOC NUT M10 ST/NYLON	x1 Nut For Mast Heel Machine Screw

1. Using 2 x 16mm spanners (or adjustable spanners) remove the standard SB3 equipment mast heel machine screw. This will not be used for the SB3 Match.
Note: (Keep all removed parts in a safe place as these are not required whilst the SB3 Match Kit is being used)
2. Position and ready the mast for stepping.
3. Locate the SB3 Match Kit supplied Mast Heel Machine Screw and Vang Strop Lower as shown.
4. Using 2 x 16mm spanners (or adjustable spanners) tighten the Mast Heel Machine Screw Nut to prevent disengagement or loss.
5. Step the mast as usual.

Mast Heel Machine Screw

Nut For mast Heel Machine Screw

Vang Strop Lower



12. Lower Shroud Attachment Brackets/Lowers (Gooseneck)

Parts Used:

1	SCREW M10x60 ST	1x Goosneck Machine Screw (Pre July 2009 Mast)
1	SCREW M8x80 ST	1x Goosneck Machine Screw (Post July 2009 Mast)
2	LOWERS ATTACHMENT, SB3 MATCH	2x Lower Shroud Attachment Brackets With 10mm Holes (Gooseneck) (Pre July 2009 Mast)
2	LOWERS ATTACHMENT, SB3 MATCH	2x Lower Shroud Attachment Brackets With 8mm Holes (Gooseneck) (Post July 2009 Mast)
1	NYLOC NUT M10 ST/NYLON	x1 Nut For Goosneck Machine Screw (Pre July 2009 Mast)
1	NYLOC NUT M8 ST/NYLON	x1 Nut For Goosneck Machine Screw (Post July 2009 Mast)
1	LASER SB3 MATCH GNECK LOWERS	Lower Shouds (Gooseneck)

- Remove the standard SB3 equipment gooseneck drop pin and split ring. (vertically orientated)
This will not be used for the SB3 Match.
Note: (Keep all removed parts in a safe place as these are not required whilst the SB3 Match Kit is being used)
- Position the appropriate SB3 Match Kit supplied Goosneck Machine Screw and Lower Shroud Attachment Brackets as shown.

Note: Dependant on mast design/supply pre or post July 2009, differing Lower Shroud Attachment Brackets, Gooseneck Machine Screws & Gooseneck Machine Screw Nuts would be used.
Pre July 2009 = 10mm diameter machine screw, nut and bracket holes
Post July 2009 = 8mm diameter machine screw, nut and bracket holes
- Using 2 x 16mm spanners (10mm diameter machine screw), 2 x 13mm spanners (8mm diameter machine screws) or adjustable spanners, tighten the Gooseneck Machine Screw Nut to prevent disengagement or loss.
- Fit the boom to the mast/gooseneck toggle as usual.

Goosneck Machine Screw

Lower Shroud Attachment Brackets

Goosneck Machine Screw Nut



13. GNAV Assembly - Removal

- Remove the standard SB3 equipment GNAV strut and all associated purchase systems, ropes and rigging.
These will not be used for the SB3 Match.
Note: (Keep all removed parts in a safe place as these are not required whilst the SB3 Match Kit is being used)
- Easiest removal of the GNAV strut is achieved by removal of the GNAV strut toggle drop pin and split ring prior to sliding the assembly aft until it can be disengaged from the integral boom track through the machined aperture in the booms upper surface.

Boom Upper Surface Machined Aperture



14. Pole Storage Brackets (Front/Rear)

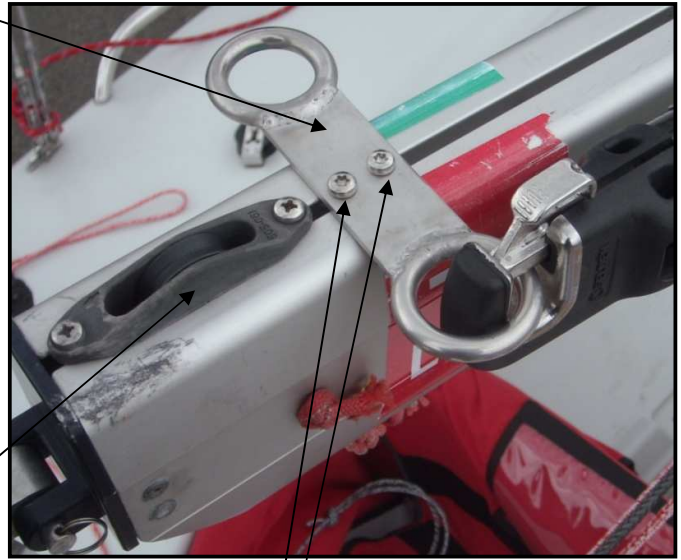
Parts Used:

1	POLE STOWAGE, FRONT B087.,B120	Pole Storage Bracket (Front)
1	POLE STOWAGE,AFT B087.,B120	Pole Storage Bracket (Rear)

Pole Storage Bracket Front

1. Whilst maintaining attachment to the Pole Storage Bracket Assembly (Front) feed the retaining slug nuts in to the integral boom track through the machined aperture in the booms upper surface.
2. Slide the Pole Storage Bracket Assembly forward until positioned approximately 10mm aft of the through boom block previously utilised by the standard SB3 equipment GNAV assembly.
3. Using a medium sized posi drive screwdriver tighten up the retaining Machine Screws for the Pole Storage Brackets Assembly.

Through Boom Block



Retaining Machine Screws

4. Post the aft boom end through the centre of the Pole Storage Bracket Assembly (Rear)
5. Whilst maintaining attachment to the Pole Storage Bracket Assembly (Rear) feed the upper surface retaining slug nut in to the integral boom track through the machined aperture in the booms upper surface.
6. Slide the Pole Storage Bracket Assembly aft until its upper edge is positioned approximately 350mm aft of the mainsheet blocks.
7. Whilst maintaining attachment to the Pole Storage Bracket Assembly (Rear) turn the sausage shaped lower surface retaining slug nut so that its longest dimension sits fore and aft.
8. Post the sausage shaped lower surface retaining slug nut in to the integral track on the lower surface of the boom before turning it so that its longest dimension sits athwartships.
9. Using a medium sized posi drive screwdriver tighten up the retaining Machine Screws for the Pole Storage Brackets Assembly.





15. Vang Assembly

Parts Used:

1	BLOCK, PBB50 SINGLE	Vang Block Upper
1	BLOCK, BBB40 TRIPLE,CAM, SWIV.	Vang Block Mid
1	BLOCK, BBB40 DOUBLE/BECKET	Vang Block Lower
2	2-P EYE ϕ 6 WITH CLAMP PLATES	Mount Eyes For Vang Strop Upper
2m	ROPE D-PRO 100 %DY.12 PL. ϕ 6	Vang Strop Upper
2m	ROPE D-PRO 100 %DY.12 PL. ϕ 6	Vang Part 1
5.5m	MAGIC PRO ϕ 6mm.RED	Vang Part 2
1	SHACKLE ϕ 6x13x24 ST	x1 Vang Block Lower

1. Whilst maintaining attachment to the Vang Strop Upper Mount Eyes, feed the retaining slug nuts in to the integral boom track through the machined aperture in the booms upper surface.
2. Slide the Vang Strop Upper Mount Eyes forward until the forward most retaining machine screws are approximately 92cm and 102cm aft of the rear surface of the mast.
3. Using a medium sized posi drive screwdriver tighten up the retaining Machine Screws for both Vang Strop Upper Mount Eyes.

Vang Strop Upper Mount Eyes



4. Feed the Vang Strop Upper through the Vang Strop Upper Mount Eyes as shown.
5. Pass each end of the shackle provided (with the Vang Block Upper) through one of the pre-formed loops in the Vang Strop Upper before securing the Vang Block Upper in place using the shackle pin.
6. Tighten up the retaining Shackle using pliers to prevent disengagement and/or loss.

Vang Strop Upper

Vang Block Upper



← Front End of Boom

7. Shackle the Vang Block Lower on to the Vang Strop Lower "D" eye as shown.
8. Tighten up the retaining Shackle using pliers to prevent disengagement and/or loss.

Vang Part 1

Vang Block Lower



9. Pass one of the pre-formed loop ends of Vang Part 1 through the aforementioned "D" eye before passing the other pre-formed loop end through the first and tightening as shown.

10. Pass the remaining pre formed loop end of Vang Part 1 through the Vang Block Upper before shackling the Vang Block Mid to it as shown.

11. Tighten up the retaining Shackle using pliers to prevent disengagement and/or loss.

Vang Part 1

Vang Block Upper



Vang Block Lower

Vang Part 2

Vang Block Mid

Vang Block Mid Cam Cleat

12. Tie one of the loose ends of Vang Part 2 to the becket/fiddle of the Vang Block Lower before feeding the remaining loose end through the purchase system cascade blocks of the Vang Block Mid and Vang Block Lower as shown.

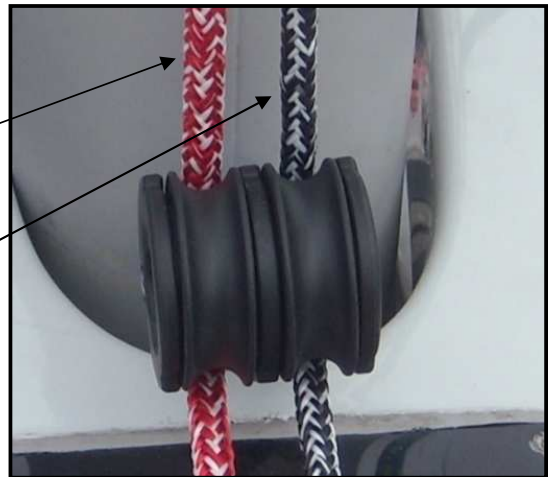
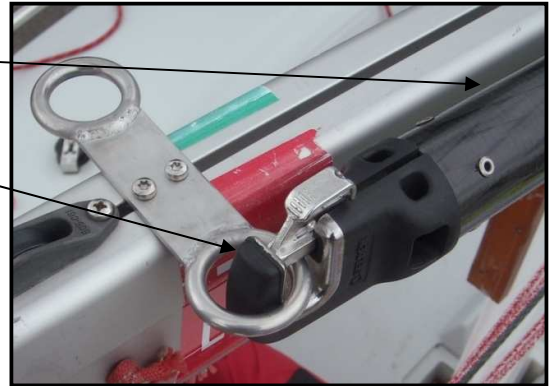
13. Finally, pass the loose end of Vang Part 2 through the Vang Block Mid cam cleat before tying a 30cm diameter loop in the end to facilitate ease of operation.

16. Spinnaker Pole & Spinnaker Pole Uphaul/Downhaul

Parts Used:

1	LASER SB3 CBN SPIN POLE CONV.	Carbon Spinnaker Pole
8m	MAGIC PRO Ø5mm.BLACK	Pole Downhaul

1. Store the Carbon Spinnaker Pole alongside the boom as shown.
2. The aft end of the Carbon Spinnaker Pole should merely sit in the Rear Pole Storage Bracket whilst the forward end should attach to the Front Pole Storage Bracket with the pole end jaws facing upwards as shown.
3. Using a bowline, fasten one end of the Pole Uphaul (previously tied off to the gooseneck area whilst the mast was being stepped) to the upper facing webbing eye positioned in the centre of the Carbon Spinnaker Pole.
4. Using a bowline, fasten one end of the Pole Downhaul to the downward facing webbing eye positioned in the centre of the Carbon Spinnaker Pole.
5. Lead the remaining end of the Pole Uphaul (twist free) down the forward face of the mast before passing it through the starboard sheave of the Double Pole Uphaul/Downhaul Turning Block on the lower forward face of the mast.
6. Lead the remaining end of the Pole Downhaul **over the lower shrouds** before passing it through the port sheave of the Double Pole Uphaul/Downhaul Turning Block on the lower forward face of the mast.



7. Lead the Pole Uphaul and Downhaul lines forwards (Twist free) before passing them (in an upward to downward direction) around the respective Pole Uphaul/Downhaul Turning Blocks previously attached to the stainless gennaker pole trough strap fitting.

Pole Downhaul

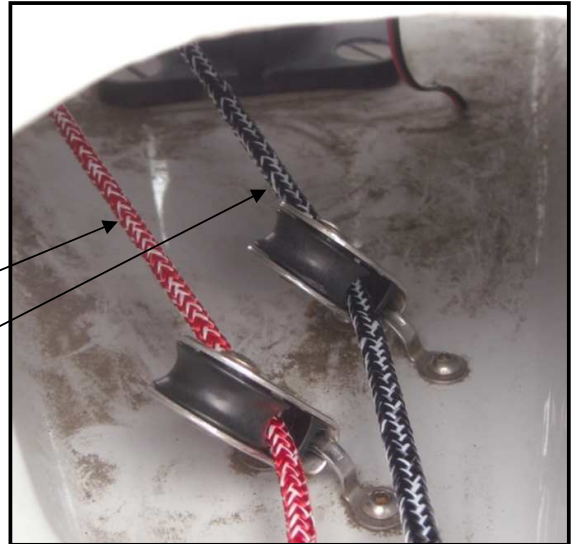
Pole Uphaul



8. Lead the Pole Uphaul and Downhaul lines aft (Twist free) before passing them (in a front to back direction) around the respective Pole Uphaul/Downhaul Turning Blocks positioned in the pole trough just in front of the mast heel.

Pole Uphaul

Pole Downhaul



9. Pass the Pole Uphaul line through the starboard most through mast gate fairlead block and cam cleat before tying a 30cm diameter loop in its end.

10. Pass the Pole Downhaul line through the port most through mast gate fairlead block and cam cleat before tying a 30cm diameter loop in its end.



17. Spinnaker

Parts Used:

1	SPINNAKER SB3 MATCH	Symetrical Spinnaker
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The procedure for spinnaker rigging in readiness for match racing is as follows:
(Starboard windward mark rounding)

1. Standing on the starboard side of the boat - Fasten the spinnaker uphaul (previously tied off to the gooseneck area whilst the mast was being stepped) to the head of the Spinnaker using a bowline.
2. Pass the port spinnaker sheet forwards, outside the forestay and back down the starboard side before fastening it to the port Spinnaker clew using a bowline.
3. Fasten the starboard spinnaker sheet to the starboard Spinnaker clew using a bowline.
4. Pass the Spinnaker over/behind the starboard lower shroud before storing it in the standard equipment gennaker bag.
5. Ensure the Carbon Spinnaker pole is stored with the pole end jaws facing upwards on the port side of the boom.



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