

Dart 18

OWNER'S MANUAL

Windsport International
Mylor Harbour
Falmouth, Cornwall
TR11 5UF
+44 (0) 1326 376191
info@windsport.co.uk
www.windsport.co.uk

**RIGGING GUIDE
OWNER'S INFORMATION
USEFUL LINKS**

CONTENTS

RIGGING GUIDE – DART 18

The DART 18 Rigging Guide is a comprehensive guide to rigging your DART 18.
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 should not be considered as suitable for the purpose of learning to sail a catamaran.
Windsport recommend “The Catamaran Book” by Tom & Brian Phipps.

For additional help contact WINDSPORT INTERNATIONAL :

Tel: +44 (0)1326 376191 or info@windsport.co.uk

For replacement parts service and regional Dart Partner network visit:

www.windsport.co.uk

WINDSPORT INTERNATIONAL
(CATAMARAN SAILING TUITION)

Windsport International is the only recommended catamaran sailing school, using a full range of up-to-date catamarans and highly trained and experienced instructors. Tuition is offered from Beginner to Squad/Championship coaching.

More details from WINDSPORT INTERNATIONAL :

Tel: +44 (0)1326 376191 or info@windsport.co.uk





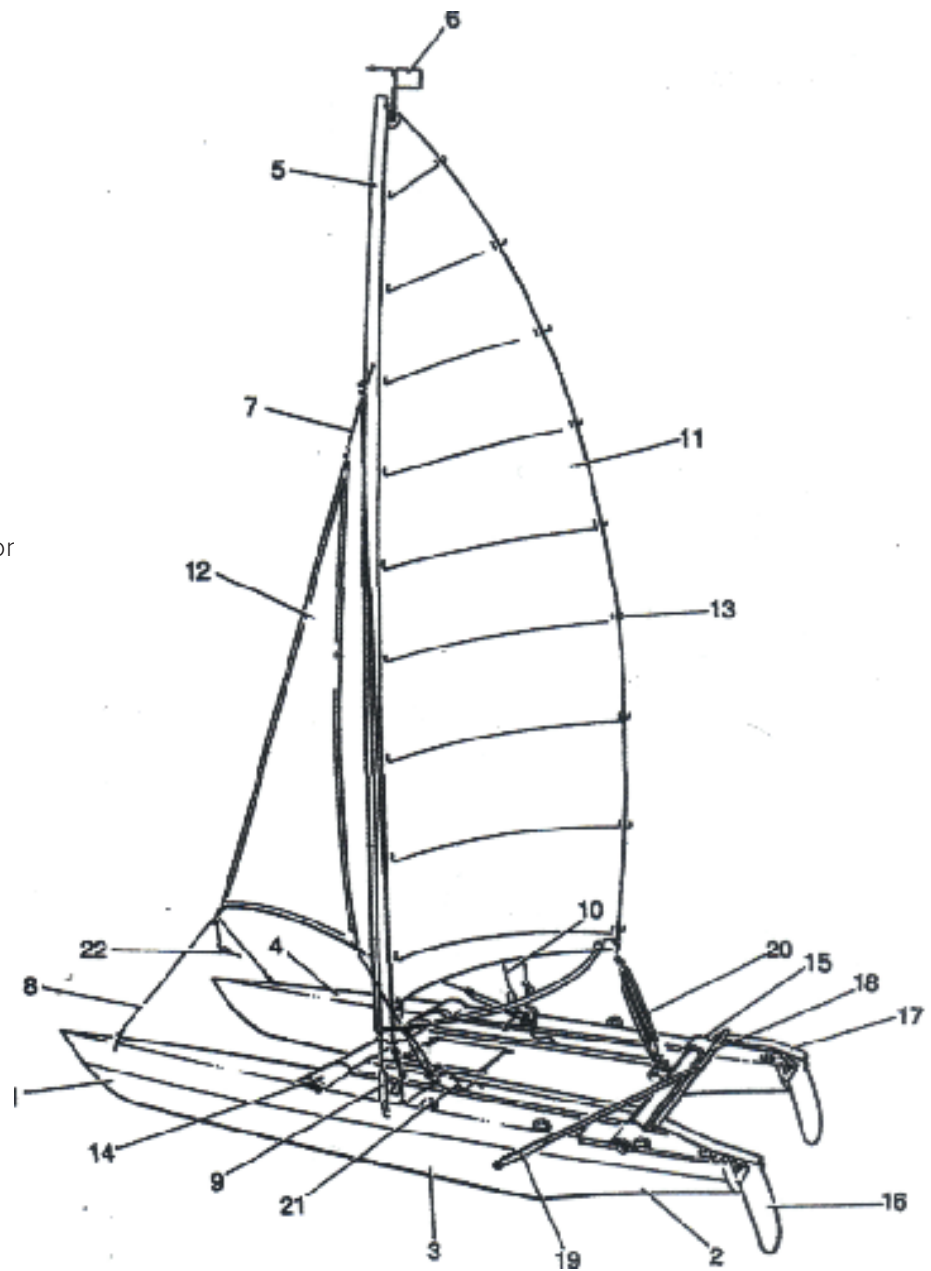
RIGGING GUIDE

- Removing Catamaran from Trailer 6
- Rigging a Dart 18 8-9
- Adding the Trampoline 9-12
- Raising the Mast 12-15
- Rig Tension 16-18
- Connecting the Rudder Assembly 18
- Raising the Sails 19-20
- Additional Dart Assembly Notes 22-23
- Applying Sail Numbers & Letters 24
- Towing Points 25
- Your First Sail 26-27
- Accessories 28
- General Maintenance & Service 29
- Gelcoat Repair 30
- Basic Safety Afloat 31

GLOSSARY

Aft -	Towards the back of the boat
Batten -	Plastic strip put into the sail
Bow -	Front of the boat
Burgee -	Flag flown from top of mast
Bridle Wire -	Connecting bow to forestay
Clew -	Lower back end of sail
Foot -	Bottom edge of sail
Forward -	Towards the boat front
Forestay -	Front wire supporting mast
Gunwhale -	Outer edge of boat
Halyard -	Rope or wire used to hoist/lower sails
Head -	Top corner of sail
Hounds -	Connecting point for wires
Jib Sheet -	Rope used to control position of jib when under sail
Leech -	Trailing edge of sail
Luff -	Front edge of sail
Main Sheet -	Rope controlling the position of main sail
Mast Heel -	Castings at base of mast
Shackle -	U-shaped piece of metal secured with a pin, used for securing halyards to sails
Shroud -	Wire securing mast in position and preventing it from falling sideways
Stern -	Aft-most area of boat
Tack -	Lower forward corner of sail
Tiller -	Length of aluminium which fits into the rudder head to allow steering
Tiller Extension -	Length of aluminium connected to the tiller by a universal joint which allows steering whilst leaning out.
Trapeze Wire -	Wire used to extend the body beyond gunwhale of boat
Transom -	Flat area across the back of boat to which the rudder is hung
Windward -	Side of boat opposite to which the mainsail is set when sailing
Leeward -	Side of boat on which the mainsail is set when sailing
Port -	Left-hand side of craft looking forward
Starboard -	Right-hand side of craft looking forward

- 1 Bow
- 2 Stern
- 3 Port Hull
- 4 Stbd Hull
- 5 Mast
- 6 Bargee
- 7 Forestay
- 8 Bridle Wires
- 9 Port shroud
- 10 Stbd shroud
- 11 Mainsail
- 12 Jib
- 13 Battens x 9
- 14 Main beam
- 15 Rear beam
- 16 Port rudder
- 17 Stbd tiller arm
- 18 Connecting Bar
- 19 Tiller extension
- 20 Main sheet
- 21 Jib sheet
- 22 Downwind indicator



REMOVING CATARMARAN FROM TRAILER

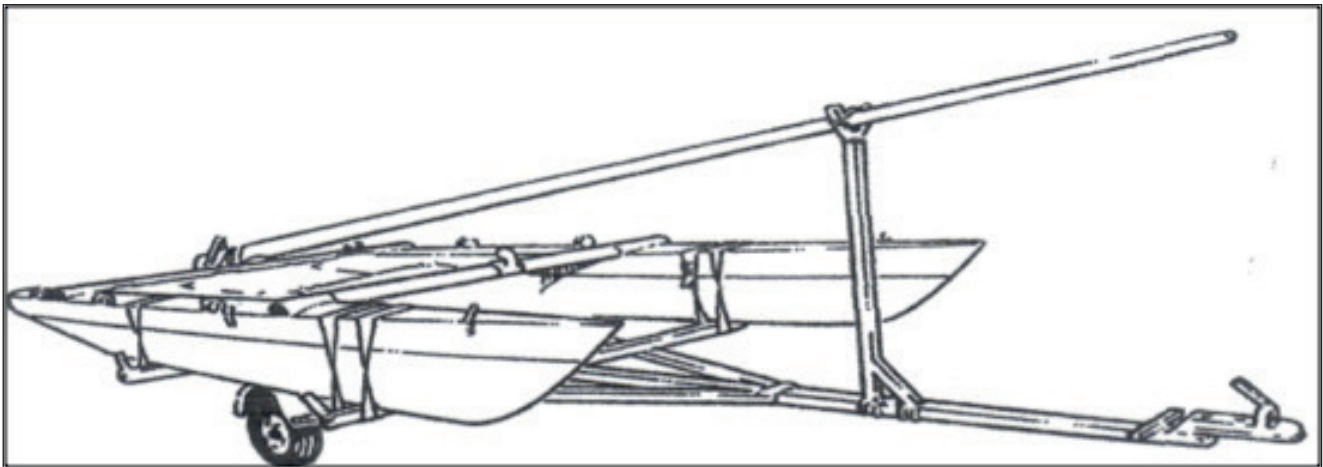


Fig 1 - Trailer (towing assembled)

- Remove all securing straps.
- Remove all spars, sails and other equipment.
- Place launching trolley at back of trailer under hulls.
- Pull the boat back until the keels rest on the launching trolley cups.
- Lift the bow and wheel the craft backwards.
- Lay out all parts of the boat and identify with the contents list (Fig 1)

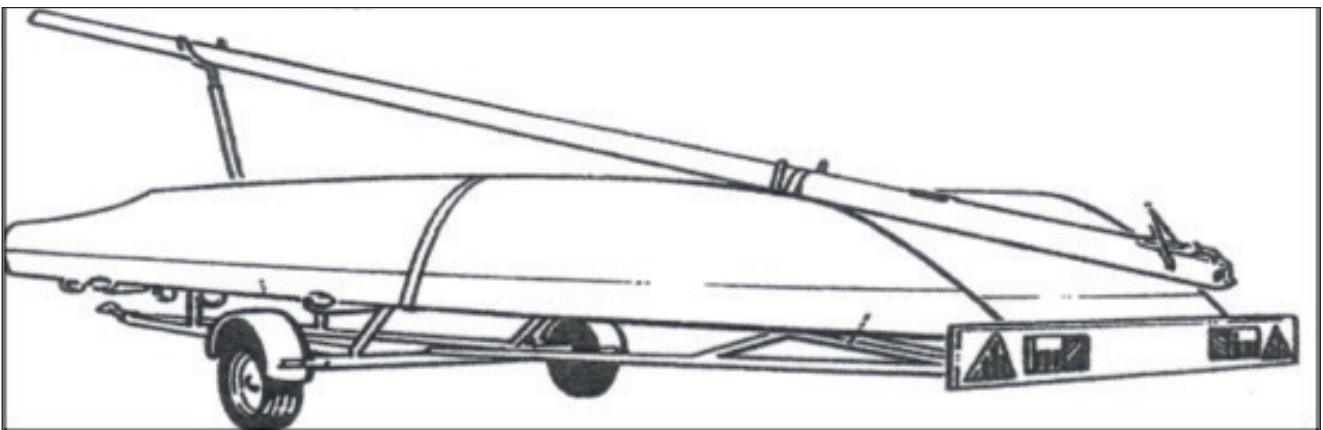
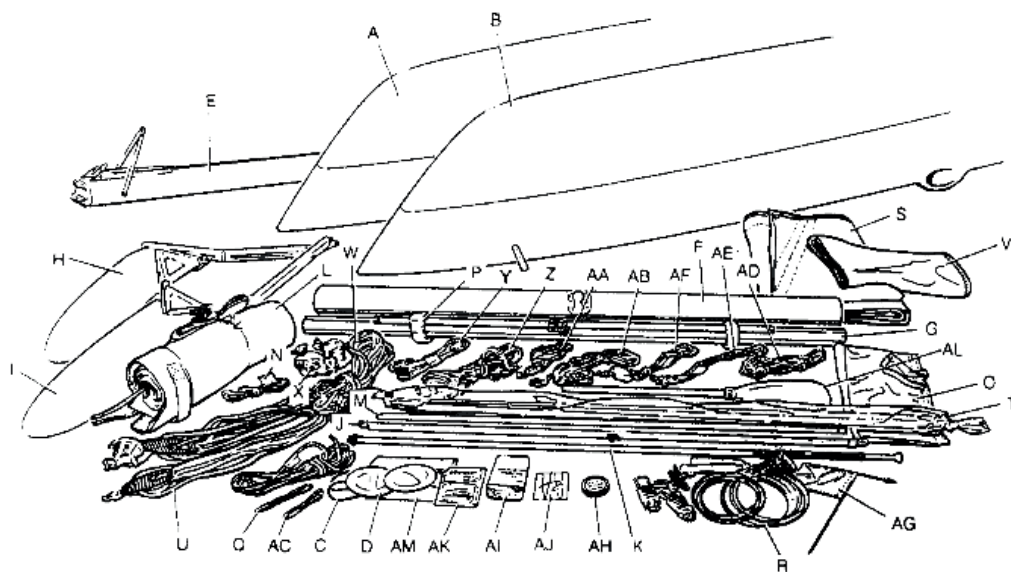


Fig 2 - Trailer (towing broken down)

- Remove all securing straps.
- Remove all spars, sails and other equipment.
- Slide each hull off its securing rack and place on ground using suitable protection
- Lay out all parts of boat and identify with contents list (Fig 1)



- | | | | | | | | |
|---|------------------|---|------------------------|----|----------------------|----|-----------------------------------|
| A | Port hull | K | Tiller extension | U | Main sheet system | AF | Spanner line |
| B | Starboard hull | L | Trampoline | V | Jib | AG | Burgee |
| C | 'O' Rings x 2 | M | Trampoline tube | W | Jib sheet | AH | Adhesive tape |
| D | Hatch covers x 2 | N | Trampoline lacing line | X | Jib sheet block x 2 | AI | Sponge |
| E | Mast | O | Trampoline satchel | Z | Main Halyard | AJ | Wind indicator |
| F | Main beam | P | Toe straps | AA | Main sail down haul | AK | Knife/shackle key |
| G | Rear beam | Q | Forestay line | AB | Jib Halyard | AL | Paddle |
| H | Port rudder | R | Standing rigging | AC | Jib down haul line | AM | Instructional manual/sail numbers |
| I | Starboard rudder | S | Main sail | AD | Traveller line | | |
| J | Connecting bar | T | Main sail battens x 9 | AE | Restraining line x 2 | | |

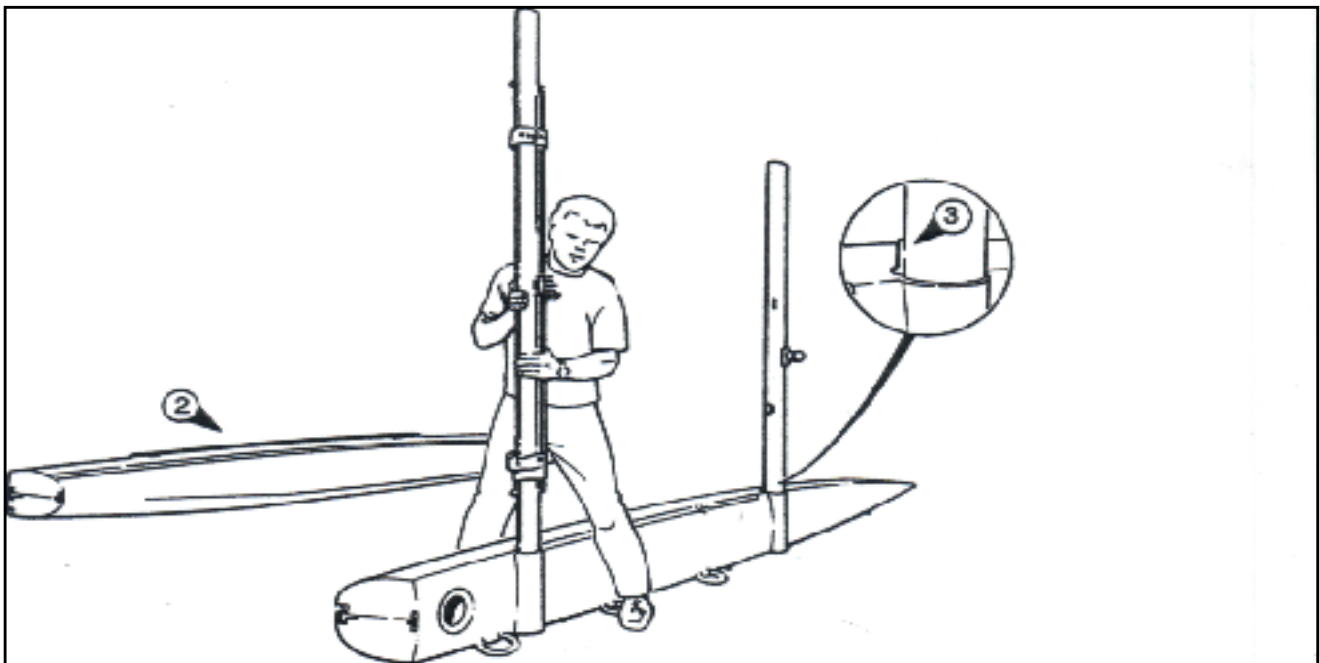
RIGGING A DART 18

- Place the hulls on a flat area of ground approx. 3 metres apart with the trampoline track facing upper most

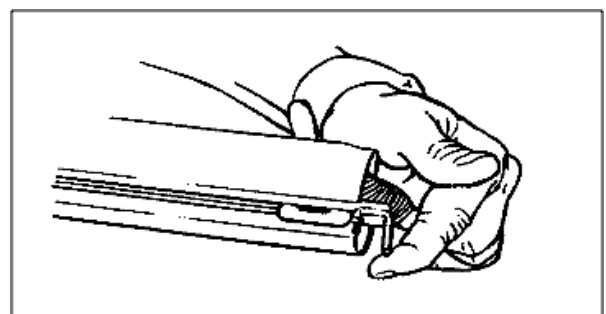
(Fig 2) (If a suitable area is unavailable use 4 tyres or similar to protect your craft).

- Select the main beam, Part F. (check that mast ball faces the deck before insertion).
- Slide the beam into the housing on one hull until the thrust pad meets the hull (Fig 3)
- Select the rear beam, Part G.
(See Additional Dart 18 Assembly Notes at the end of the Rigging Section).

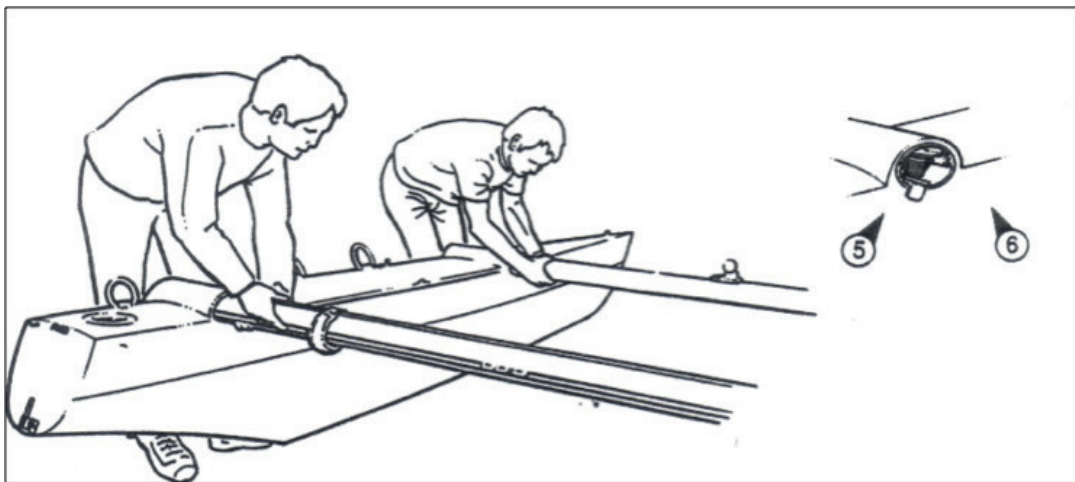
Check that the traveller track faces the deck before insertion. Attach the traveller unit and tow straps.



- Raise the retaining clip at the beam end by pressing the spring to one side.
- Insert the rear beam into its housing and slide home until the thrust pad meets the hull.

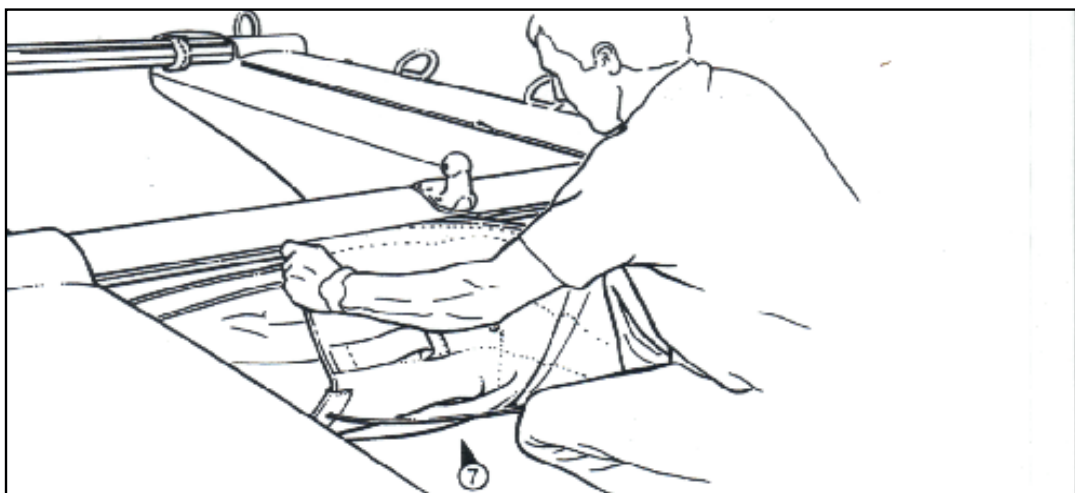


- Check that the retaining clip has dropped over the outer edge of the hull (Fig 5).
- Should the rear beam clips need adjusting, slacken the adjuster nut and re-tension to ensure a tight fit.
- Carefully pull the beams down to the horizontal position.
- Raise the unattached hull and line up with the beam housing.
- Slide the new hull onto the beams making sure that the hull is moved in a parallel action. The hull is fully home when the thrust pads are against the inner hull side and the rear beam clip has dropped over the outer edge (Fig 6).
- Adjust the rear beam clip to sit against the hull.
(See Additional Dart 18 Assembly Notes – Rear Beam).

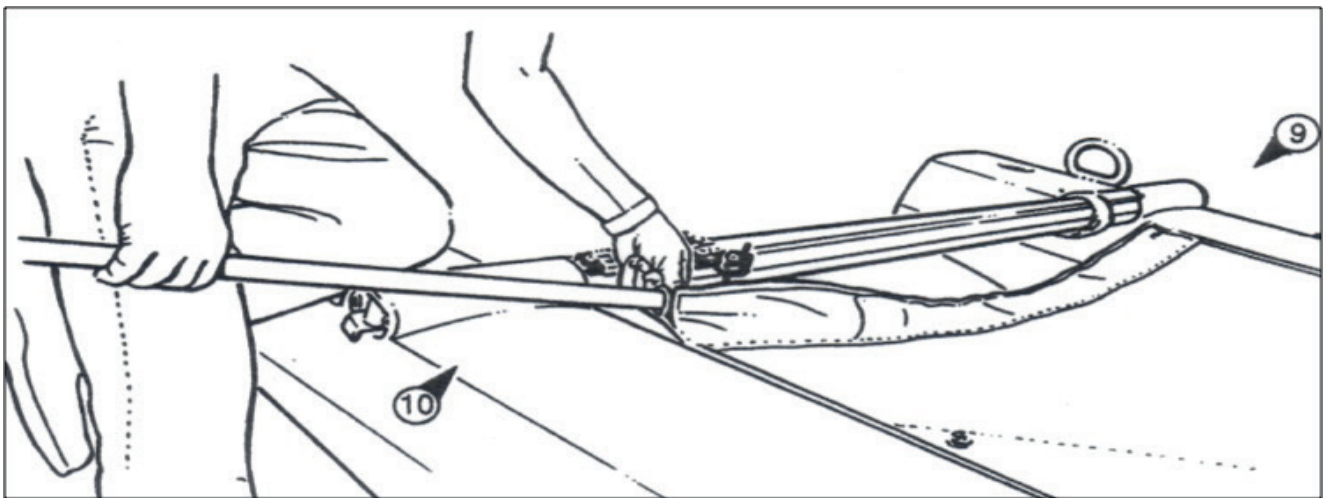


ADDING THE TRAMPOLINE

- Identify the trampoline, Part L, and lay it between the hulls with the webbing handles facing down.
- Identify the front edge and insert the bolt rope into the main beam as shown (Fig 7)
(Check the trampoline is in the centre of the beam).



- Take the side bolt ropes and slide them into the trampoline track on both hulls (Fig 8).
- Carefully slide the trampoline back along the tracks an equal amount until fully inserted in the track (Fig 9).
- Feed the trampoline tube. Part M, into sleeve at the back of the trampoline and push the loose ends of the trampoline bolt ropes into either end. (Fig 10).



- Identify the trampoline lacing line, Part N, and tie it to the outer beam slide (Fig 11).
- Lace the trampoline (Fig 12) making sure that the slides are opposite the trampoline cut-outs and that the centre slide is not used.

