



Devoti D-One Rigging Guide

Thank you for buying a D-One.

Please take your time in rigging your D-One prior to your first sail. It is well worth taking your time to rig the boat properly to ensure that you will enjoy your first sail in it without the risk of doing damage due to faulty rigging.

You may choose to rig your D-One in a different order from that described below but we know this method works.

We plan, with this guide, to get you from here.....to here:









The D-One Rigging guide

	<p>Your Brand New D-One complete with trolley and full set of covers all ready to unpack and rig.</p>
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	<p>Remove the top and bottom trailing covers and (if you have chosen to buy a full cover set) you will find everything neatly tucked away. Note how it all fits in as this is how you will repack it when trailing to events</p>
	<p>When unpacked you should have 2 wings, boom, 2 piece mast, Main, Kite, Tiller & rudder stock, Tiller extension, Rudder, Daggerboard and bag of ropes and fittings.</p>
	<p>The hull is now empty and ready to rig</p>
	<p>First of all unroll the control lines, Kicker, Downhaul and Traveller. This is easier before the wings are put on.</p>
	<p>Next Locate the Gunwale Wing Bolts that can be found in the Bag with the Sheets.</p> <p>Note the two toggles (balls) in the bag. Put them in a safe place as you will need them when rigging the kite</p>
	<p>Remove the Wing Pins from the Wing securing points on the floor of the boat.</p>

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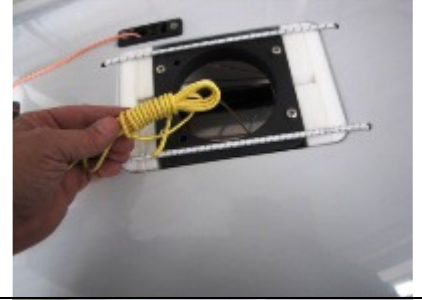

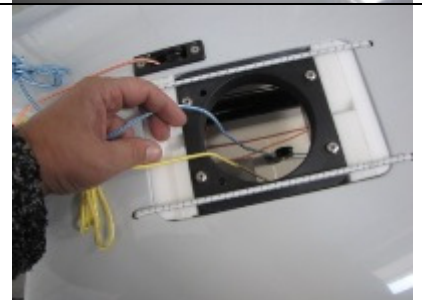


	<p>Hold the Starboard Wing over the Starboard securing points. Line up the holes and push the pin through. Repeat for fore and aft points. For helms under 86 Kilos use the outboard points and those over 86 Kilos use the inboard points.</p>
	<p>When both pins are secure with their rings in place lay the wing down on the gunwale. Now repeat with the Port wing</p>
	<p>Underneath the wings locate the backing plates in the support arms</p>
	<p>With your finger hold it in position over the holes in the gunwale.</p>
	<p>Take the Gunwale Wing Bolts and push them through the hole in the gunwale and screw them into the backing plates.</p>
	<p>When tight push the bolt arm to one side to lock. Repeat for all 4 positions</p>
	<p>When complete the Gunwale Wing Bolts should look like this.</p>

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 A white boat with two large white wings attached to the sides, viewed from the front on a paved surface.	<p>The boat now with the wings rigged</p>
 A close-up view of the boat's interior showing three Harken cleats on the wings with control lines (Traveller, Kicker, Downhaul) threaded through them.	<p>Now thread the control lines through the 3 Harken cleats on the wings. Traveller on the outside, kicker in the middle and downhaul on the inside. You may choose to use a different order subject to personal preferences but this is a good starting point.</p>
 A hand holding a yellow coiled rope (Kicker Rope) next to a mast gate hole on the deck.	<p>Locate the Kicker Rope from the mast gate and uncoil. Remove it from the Mast Gate hole and leave below the deck</p>
 A hand holding a blue coiled rope (Downhaul Line) next to a mast gate hole on the deck.	<p>Repeat with the Downhaul Line</p>
 A hand pulling the ends of the yellow and blue ropes down the mast ring and back clear of the mast step.	<p>Drop both ends down the Mast Ring and pull them back, clear of the mast step.</p>

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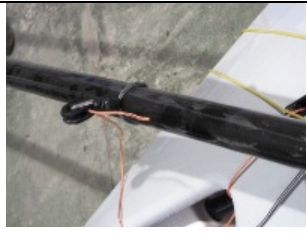
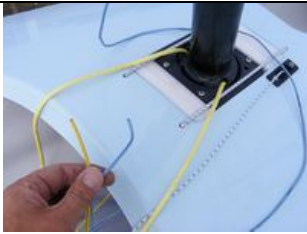






	<p>Now remove the 2 sections of mast from the mast bag and lay them together ready to be joined.</p>
	<p>Before pushing the mast together, ensure both joining parts are clean and free from dirt and sand.</p>
	<p>Push them both together gently and ensure the stainless spigot locates into its location hole.</p>
	<p>Before putting the mast up ensure you are familiar with how the halyard locking system works. The talurit of the wire loop fits in the shaped lock.</p>
	<p>Tie both ends of the halyard to the Gooseneck so not to lose them when lifting the mast later.</p>
	<p>The kicker rope should look like this.</p>
	<p>Locate the Kite halyard and downhaul which will be linked together in the mouth of the chute.</p>

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	 A close-up photograph showing a person's hand tying a white rope (downhaul) onto a metal trolley attached to a black handle.		<p>Tie the downhaul onto the trolley so you don't lose it up the chute.</p>
	 A photograph showing a yellow kite halyard being fed through a pulley on a black mast.		<p>Feed the Kite Halyard through the pulley near the top of the mast and tie the end to the gooseneck.</p>
	 A photograph showing a hand holding a yellow rope near a black mast being inserted into a white foot socket on a blue deck.		<p>Lift the mast into position through the deck and into the foot socket.</p> <p>Now locate the ends of the Kicker and Downhaul</p>
	 A photograph showing a metal kicker assembly mounted on a silver boom.		<p>Prepared kicker on the boom</p>
	 A close-up photograph of a hand removing a metal pin from a gooseneck assembly.		<p>Remove the Boom pin from the gooseneck</p>
	 A photograph showing various parts of the boom and gooseneck assembly laid out on a white surface.		<p>Lay the parts out ready to fit the boom</p>
	 A close-up photograph showing a hand pushing a carbon pin through a hole in the gooseneck.		<p>Place the front end of the boom into the gooseneck. Line up the hole and push the carbon pin through. An even amount of pin must be showing from each side of the gooseneck</p>

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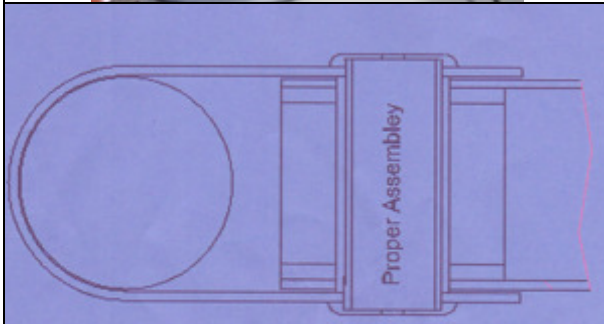
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Good attachment of the boom on the mast



Incorrect attachment



Drawing of correct attachment of the boom on the mast



Now fit the Kicker Lever rope to the Kicker lever
The Starboard side goes through a fixed shackle with the pin facing into the boom

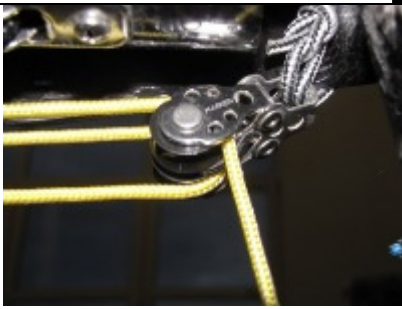






The Port side goes into an adjustable rack.
The 3rd or 4th hole in is a good starting place.

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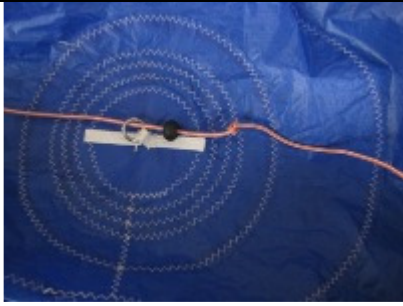
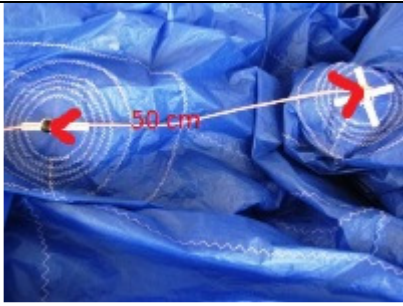



	<p>Double pulley for Kicker</p>
	<p>Tie back off on the kicker lever pulley with a bowline.</p> <p>When the sail is up the bottom of the lever should be in the max aft position and the control line and the kicker line (grey rope) should be under tension.</p>
	<p>Tie the mast down with mast security line from the two front holes just forward of the mast bearing with the line tight over the gooseneck.</p> <p>Important note: this is the line that keeps the mast in the boat and failure to do this is likely to result in considerable damage to the hull in the event of a capsize!</p>
	<p>Fit one end of the mainsheet around the rope loop on the traveller pulley.</p> <p>Tie securely with a stopper knot or bowline.</p>
	<p>Run the mainsheet through the pullies and mainsheet swivel cleat block as shown here</p>

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	<p>Remove the kite from its bag and lay it at the bow of the boat.</p> <p>Untie the tack line from the Trolley and tie it with a bowline to the tack eye on the kite. Ensure there is about 3 inches (75mm) from the knot and ball in the tack line to the kite</p>
	<p>Feed the downhaul from the chute through the small stainless ring in the bottom downhaul panel.</p>
	<p>Extension of the gennaker window and pullover ball.</p>
	<p>Stop knot for toggle (ball) must be spaced from the tie off point a distance of 50 cm</p>
	<p>Next attach the kite Halyard to the head using a bowline. Ensure you fit the toggle (ball) above the knot.</p>

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 A close-up photograph showing a hand feeding a blue and white rope through a black ratchet block mounted on a white wing.	<p>Now to rig the kite sheet.</p> <p>Locate the Kite sheet from the bag. Feed it from the bow, through the Ratchet block on the wing.</p>
 A close-up photograph of a hand holding a blue and white rope, showing it being looped around a black elastic band on the back of a cockpit.	<p>Around the elastic at the back of the cockpit</p>
 A photograph of a blue kite sheet with white trim, showing two blue and white bowlines attached to the bottom edge.	<p>Finally attach the Kite sheets with bowlines.</p>
 A close-up photograph of a hand pulling a rope through a pulley system on the deck of a boat, which is used to hoist the kite.	<p>Pull the kite up from the aft side of the halyard pulley in the centre of the cockpit</p>
 A photograph of a blue kite sail mounted on a white boat, showing the kite sheet and downhaul lines.	<p>When up, ensure the downhaul and sheets are free and not tangled.</p>

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 A close-up photograph of a white, textured mainsail bag with a black strap and a small red tag attached to it.	<p>Next, remove the mainsail from its bag and put in the boat with the luff toward the mast. You will find the batten tension key tied to the leach line. Remove this and put it on the tie cord on the sail bag for safe keeping.</p>
 A photograph showing a white foot strap being secured to the end of a black boom.	<p>Firstly put the foot strap at the leach over the end of the boom. Pass the outhaul rope through the clew eye.</p>
 A photograph showing the outhaul rope being passed through a hole at the end of the boom.	<p>Pass the outhaul rope through the hole at the end of the boom and tie stop knot.</p>
 A photograph showing the correct attachment of the sail to the boom, with the outhaul rope secured.	<p>Correct attachment of the sail to boom (Outhaul)</p>
 A photograph showing the head of the sail being fed into the sail feeder on the back of the mast.	<p>Unroll the sail and feed the head into the sail feeder on back of mast. Attach the halyard shackle to the head eye. Pull the sail up and lock the halyard into the halyard lock</p>
 A photograph showing the correct attachment of the Cunningham (downhaul) to the sail and pulley.	<p>Correct attachment of Cunningham (downhaul) (2x eye of sail and pulley)</p>

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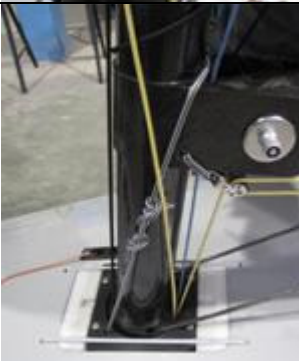
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Attachment of lower eye (inhaul/tack) with shockcord/elastic.



Security of mainsail halyard.



Pass mainsail halyard through mast ring.



Coil mainsail halyard and put in gennaker chute pocket.

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All looking good and nearly ready to go sailing



Rudder fitting



Put rudder stock/tiller assembly on pintles.



Inserting rudder blade in stock.

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Remove the rudder from its bag and place in the top of the stock.
Ensure the rudder is a firm fit but not too tight it will not go up or down



Remove the dagger board and ensure it fits in the dagger slot.
Remove it and place it in the bottom of the boat before launching



You are now ready for many hours of fun
in your new D-One

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