



TRUST BAR

User Manual

TIPS & TRICKS

**WATCH OUT FOR USEFUL TIPS & TRICKS REGARDING OUR PRODUCTS UNDER
WWW.DUOTONESPORTS.COM**



1. RELEASE OF LIABILITY

RELEASE OF LIABILITY, CLAIM WAIVER, ASSUMPTION OF RISK

By assembling and/or using this DUOTONE product, you agree that you have read and understand this short product manual as well as the entire online product manual of the DUOTONE product, including all instructions and warnings, prior to using the DUOTONE product in any way.

You additionally agree that you will ensure any additional or subsequent user of your DUOTONE product will read and understand this short product manual as well as the entire online product manual of the DUOTONE product, including all instructions and warnings, prior to allowing that person to use your DUOTONE product.

ASSUMPTION OF RISK

Use of the DUOTONE Product and any of its components involve certain inherent risks, dangers, and hazards that can result in serious personal injury and death to both the user and to nonuser third parties. In using the DUOTONE Product, you freely agree to assume and accept any and all known and unknown risks of injury to you and to third parties while using this equipment. The inherent risks in this sport can be greatly reduced by abiding by the warning guidelines listed in the product manuals and by using common sense.

RELEASE AND WAIVER OF CLAIMS

IN CONSIDERATION OF THE SALE OF THE DUOTONE PRODUCT TO YOU, YOU HEREBY AGREE TO THE FULLEST EXTENT PERMITTED BY LAW, AS FOLLOWS:

To waive any and all claims, that you have or may in the future have against Boards & More GmbH and all related parties resulting from use of the DUOTONE Product and any of its components.

2. SAFETY AND PRECAUTIONS

DUOTONE STRONGLY RECOMMENDS:

If you are not yet able to kite or if you feel insecure, you must attend a licensed Kiteboarding school to learn the basics of this fantastic sport. Get familiar with the safety precautions, which are indispensable for safe Kiteboarding.

Kiteboarding creates a heavy strain on your body. You should only go Kiteboarding if you are in good physical condition and suffer from no medical conditions that may prevent you from kiting. Always act carefully to not endanger yourself or anyone else. Do not endanger the safety of uninvolved third parties! Be aware of the risks you take and limit them to a minimum level!

Check that your Iron Heart and your safety leash are in good working order before and after using them each time. To do this, release them as described in section 4, Functions, then reassemble them.

BEFORE GOING ON THE WATER MAKE SURE YOU ARE FAMILIAR WITH YOUR DUOTONE EQUIPMENT AND MEMORISE HOW TO USE IT PROPERLY. CORRECT HANDLING CANNOT SIMPLY BE LEARNED IN AN EMERGENCY.

For your own safety, read the following instructions as well as product descriptions very carefully

2.1. KITEBOARDING SAFETY

- Fly your Kite only over unobstructed water. Never on land!
- Fly this kite only if you are a strong swimmer and are wearing a Coast Guard approved PFD.
- Only use bars with a safety system that you can open in emergency situations.
- Use a quick-release kite leash so that you can unhook your body from the gear in case of an unforeseeable emergency.
- Avoid power lines, telephone poles, airports, streets, buildings and trees.
- If you use a board that is leashed to your body, wear a helmet!
- Take into account the usual risks associated with water sports such as rocks, waves, sunburn, hypothermia, jellyfish etc.

2.2. DANGERS FROM THE KITE

WHEN KITEBOARDING YOU MIGHT FACE THE EXTREME FORCES OF THE ELEMENTS.

In rare cases the kite or its lines can cause dangerous situations:

- You can hurt yourself through uncontrolled water take-offs caused by gusty conditions, and the danger of collision with obstacles.
- The incorrect usage of lines creates a high risk of injury for yourself as well as others.
- People who get caught by the lines can suffer injuries or burns.
- Uninvolved third parties can get injured through crashing kites.
- Fly your kite only over unobstructed water.
- When kiting, do not fly over people or pets.
- Ensure that a semi-circle extending 100 metre downwind and to each side of your flying position is clear of people and obstructions.
- Use a kite leash that allows you to keep the kite under control.
- When not in use, inflated kites must be secured with sand or heavy objects.
A kite filled with air can fly away at any time, injuring people and in extreme cases even kill them.

2.3. DANGERS FROM KITE LINES

- Never touch the kite lines when the kite is under wind load as these lines are dangerously sharp while under tension.
- Never use kite lines damaged with knots, nicks, cuts etc. They must be changed!
- Use only lines that have no knots in them, as knots can weaken lines by as much as 50 %.
- Do not touch the lines of the kite, unless the kite has been secured to the ground. An unsecured kite can re-launch unexpectedly, putting the line dangerously under tension.
- Never tie lines around your arms or other body parts!

THE LISTED RISKS CANNOT BE COMPLETE.

The basic rules for kiteboarding comply with those of common sense and are valid for all outdoor sports.

3. SYSTEM

3.1. TRUST BAR



The Trust Bar comes with 4 lines as standard. Choose the 5th Element upgrade kit (not included in the Trust Bar package) to convert the 4 line Trust Bar into a 5th Element Bar. Find in-detail-videos about the conversion on our website.

IMPORTANT: THE TRUST BAR IS DELIVERED WITHOUT A CHICKEN LOOP OR SAFETY LEASH. DEPENDING ON THE USE AND NEEDS OF THE RIDER, THREE DIFFERENT IRON HEART KITS ARE AVAILABLE AND MUST BE ORDERED SEPARATELY IN ORDER TO ENSURE FULL FUNCTIONALITY OF THE TRUST BAR.

- | | | |
|---------------------|----------------------------|--|
| (A) Pulley | (F) Red Safety Line | (J) Integrated Backline Adjuster |
| (B) Vario Cleat | (G) Integrated EVA Floater | (K) Sticky Bar Grip |
| (C) Hopper | (H) Flip Flop Function | (L) Safety Leash (not included in the package) |
| (D) Sliding Stopper | (I) Center Part Insert | (M) Iron Heart |
| (E) Depower Line | | (N) Chicken Loop |
| | | (O) Chicken Stick |

Picture **1** page 64

Specifications in accordance with the French norm NFS 52-503

Manufacturer: DUOTONE

Usage: kitesurf / snowkite

Compatible kites: all Kites produced by DUOTONE & North Kiteboarding till 2018

Technology: release grip to be pushed away from the body

Rider's weight max. / min.: 120 kg / 35 kg

3.1.1. TRUST BAR QUAD CONTROL

4 control

- (A) Pigtails
- (B) Back Line
- (C) Left Front Line (red & blue Safety Line)
- (D) Right Front Line
- (E) 9 mm Metal Ring
- (F) Stainless Steel Safety Pulley
- (G) Red Safety Line
- (H) Strong Middle Line
- (I) Adjustable Red Safety Line

Picture **2** page 65

3.1.2. TRUST BAR 5TH ELEMENT

5th element UPGRADE KIT

TO CONVERT THE TRUST BAR QUAD CONTROL INTO A TRUST BAR 5TH ELEMENT, YOU MUST PURCHASE THE 5TH ELEMENT UPGRADE KIT FIRST.

- (A) Pigtails
- (B) Back Line
- (C) 5th Line (red & blue Safety Line)
- (D) Left Front Line (Upgrade Kit Line)
- (E) Right Front Line
- (F) 9 mm Metal Ring
- (G) Stainless Steel Safety Pulley
- (H) Red Safety Line
- (I) Strong Middle Line
- (J) Adjustable Red Safety Line

Picture **3** page 66

4. FUNCTIONS

4.1. VARIO CLEAT

The Vario Cleat is a multi-functional depower adjuster. The Vario Cleat allows you to adjust the power of the kite during the flight. In order to assure optimum access to the Vario Cleat it can be easily adjusted according to the rider's body size.

4.1.1. DEPOWERING

1. Pull the black adjuster towards your body until you get the desired depower effect.
2. Let go of the adjuster and the line will be locked between the teeth of the Vario Cleat.
3. To prevent the adjuster from getting tangled, it can be secured to the Vario Cleat with the Velcro.

Pictures **4** + **5** + **6** page 67

4.1.2. POWERING UP

1. Pull the black adjuster a short distance towards your body.
2. At the same time, move the adjuster away from the Vario Cleat, so that the teeth of the cleat release the line.
3. Now let the line slide back until you get the desired power.
4. Move the adjuster back towards the Vario Cleat, so that the teeth of the cleat can lock the line.

Pictures **7** + **8** + **9** + **10** page 67

4.1. KOOK-PROOF LINE ATTACHMENT

One of the most common mistakes in setting up a kite is getting the steering lines and the flying lines mixed up. In order to avoid this problem, DUOTONE has developed the Trust Bar and the Kook-Proof-System. The color code and the alternating position of the loops and knots permits only the right connection.

IMPORTANT: THE KOOK-PROOF-SYSTEM WORKS ONLY IN CONNECTION WITH A NORTH KITEBOARDING KITE TILL 2018 AND ALL DUOTONE KITES.



KITE + TRUST BAR QUAD CONTROL

Picture **11a** page 68



KITE + TRUST BAR 5th ELEMENT

Picture **11b** page 68

4.1.1. ATTACHING THE BAR TO THE KITE

1. Lay the line ends of the bar to the corresponding pig tails of the kites.
2. Tie the loops with a lark's head to the knots at the opposite ends and pull them tight.

Pictures **12** + **13** page 68

4.3. RELEASE UNITS

4.3.1. IRON HEART

CAUTION: ALWAYS CHECK THE FUNCTION OF YOUR IRON HEART AND TEST THE QUICK RELEASE BEFORE LAUNCHING. MAKE SURE THAT NO DIRT, SAND OR OTHER RESIDUES ARE INSIDE THE IRON HEART AS THIS WILL GREATLY AFFECT ITS PERFORMANCE. IF THERE ARE ANY OBSTRUCTIONS YOU MUST CLEAN THE IRON HEART THOROUGHLY WITH SOME WATER BEFORE LAUNCHING.

4.3.1.1. REASSEMBLING THE IRON HEART

AFTER RELEASE, KEEP THE RED SAFETY LINE PULLED IN DURING ASSEMBLY AND KEEP AN EYE ON YOUR KITE AT ALL TIMES. MAKE SURE NOT TO GET CAUGHT IN DRIFTING LINES. NEVER WRAP ANY LINES AROUND YOUR WRIST OR OTHER PARTS OF YOUR BODY.

1. Hold the release grip pulled upwards and make sure that the Release Pin is open.
2. Put the chicken loop ring on the small metal plate below the Release Pin.
3. Close the Release Pin with one finger while you are still pushing the release handle up.
4. Let the release handle slide down to lock the Release Pin in place.

Pictures **14** + **15** + **16** + **17** page 69

4.3.1.2. HOOKING INTO THE HARNESS

4.3.1.2.1. FREERIDE, FREESTYLE AND WAKESTYLE CHICKEN LOOP CONNECTION TO THE HARNESS

1. Hook the closed chicken loop into the kite's harness hook.
2. Turn the chicken stick to the right position.
3. Secure the chicken loop in the harness hook using the chicken stick.

Pictures **18** + **19** page 69

4.4.2.2. ROPE HARNESS LOOP CONNECTION TO THE HARNESS

1. Open the chicken loop.
2. Thread the loop around the designated rope at the harness.
3. Now reassemble the Iron Heart as described in section -> 4.3.1.1. *REASSEMBLING THE IRON HEART.*

Pictures **20** page 69

4.3.1.3 STANDARD SAFETY MODE

4.3.1.3.1. SETTING UP THE STANDARD SAFETY MODE

1. The metal ring (Suicide Ring) at the Iron Heart is only attached to the red safety line and has no other connection to any other part of the system. The safety leash is hooked into the small eyelet of the Suicide Ring.
2. If you let go of the bar and Iron Heart in this mode, it will slide up along the red safety line towards the kite. The kite comes down safely and depowers on the red safety line.

Picture **21** page 70

4.3.1.3.1.2 RELEASING IN STANDARD SAFETY MODE WHILE HOOKED IN

1. To separate yourself from your kite in an emergency situation while you are hooked in, simply push the red release grip at the Iron Heart away from your body.
2. This separates the connection between your harness hook and the bar. The bar and Iron Heart slide along the red safety line towards the kite. The kite comes down safely and depowers on the red safety line.

Pictures **22** + **23** page 70

4.3.1.4. SUICIDE MODE

IMPORTANT: DUOTONE RECOMMENDS USING ONLY THE STANDARD SAFETY MODE BECAUSE IT PERMITS COMPLETELY DEPOWERING THE KITE. DUOTONE DOES NOT RECOMMEND USING THE SUICIDE MODE AT ANY TIME SINCE THIS MODE MAKES IT IMPOSSIBLE TO COMPLETELY DEPOWER THE KITE IN CERTAIN SITUATIONS. THE SUICIDE MODE MAY ONLY BE USED BY VERY EXPERIENCED RIDERS IF NECESSARY. RIDERS WHO USE THE SUICIDE MODE MUST BE AWARE OF THE CONSEQUENCES AND BEAR RESPONSIBILITY FOR ALL RESULTING DAMAGES!

4.3.1.4.1. SETTING UP THE SUICIDE MODE

1. The metal ring (Suicide Ring) at the Iron Heart is attached to the red safety line, and the safety leash is hooked into the small loop of the Suicide Ring. Additionally, the Chicken Loop runs straight down the oval middle loop of the Suicide Ring.
2. If you let go of the bar and Iron Heart in this mode, the bar is unable to slide up along the red safety line towards the kite. This means that the kite cannot be completely depowered. The kite will always retain a considerable pull.

IMPORTANT: YOU MUST BE AWARE OF THE FACT THAT IN SUCH A SITUATION, THE IRON HEART IS OUT OF YOUR REACH AND CAN THEREFORE NOT BE RELEASED.

Pictures **24** page 70

4.3.1.4.2. RELEASING IN SUICIDE MODE WHILE HOOKED IN

1. In order to separate yourself from the kite in an emergency situation while hooked in, simply push the red release grip at the Iron Heart away from your body.
2. This will separate the connection between your harness hook and the bar. The Suicide Ring automatically comes off the chicken loop.
3. The bar and Iron Heart will slide along the red safety line towards the kite. The kite comes down safely and depowers on the red safety line

Pictures **25** + **26** page 70

CAUTION: IN THE CASE THAT YOUR SUICIDE RING BECOMES IMPAIRED DUE TO A HARD CRASH OR SOMETHING SIMILAR, IT MUST BE REPLACED IMMEDIATELY. DO NOT TRY AND BEND IT BACK INTO SHAPE. A DEFORMED RING CAN CAUSE FAILURE.

THE FRONT PART OF THE SUICIDE RING IS CURVED SLIGHTLY DOWNWARDS. WHEN USING THE SUICIDE FEATURE, PAY ATTENTION THAT THE CURVE REMAINS POINTING DOWNWARDS AND THAT THE SAFETY LINE RUNS PROPERLY THROUGH THE SUICIDE RING.

Pictures **27** + **28** page 71

4.3.2. SAFETY LEASH

IMPORTANT: THE SAFETY LEASH MUST BE TIED TO THE SUICIDE RING BEFORE YOU LAUNCH THE KITE. ALWAYS REMEMBER THAT YOUR SAFETY LEASH IS THE LAST CONNECTION BETWEEN YOU AND YOUR KITE. ONLY RELEASE IT IN A CASE OF EXTREME EMERGENCY AND REMEMBER THAT AN UNCONTROLLED KITE IS A GREAT DANGER FOR OTHER INDIVIDUALS ON LAND AND ON THE WATER.

4.3.2.1. ATTACHING THE SAFETY LEASH TO THE HARNESS

DUOTONE RECOMMENDS ONLY ATTACHING THE SAFETY LEASH TO THE HARDNESS AT YOUR SIDE: DUOTONE RECOMMENDS NEVER ATTACHING THE SAFETY LEASH BEHIND YOUR BACK AS IN SOME SITUATIONS THIS CAN PREVENT EASY RELEASE. THE SAFETY LEASH SHOULD ONLY BE HOOKED IN BEHIND YOUR BACK IF YOU ARE A VERY EXPERIENCED RIDER AND IF NECESSARY. RIDERS WHO ATTACH THE LEASH BEHIND THEIR BACKS MUST BE AWARE OF THE CONSEQUENCES AND BEAR RESPONSIBILITY FOR ALL RESULTING DAMAGES!

Attachment position behind the back: Picture **29** page 71

Recommended attachment position at the side: Picture **30** page 71

DUOTONE RECOMMENDS FOR RIGHT-HANDED KITERS TO ATTACH THE SAFETY LEASH ON THE RIGHT SIDE. FOR LEFT-HANDED ON THE LEFT SIDE OF THE HARNESS. THE CHICKEN STICK SHOULD BE INSTALLED ON THE OPPOSITE SIDE OF THE CHICKEN LOOP.

1. Thread the red line at the release grip through the metal ring of your harness.
2. Pull the loop of the red line over the release pin.
3. Pull the release grip down while you push the release pin down.
4. Let go of the release grip so that the release pin disappears inside the grip.

Pictures **31** + **32** + **33** + **34** pages 72

4.3.2.2. ATTACHING THE SAFETY LEASH TO THE IRON HEART

1. Pull back the neoprene cover and open the carabiner.
2. Hook the carabiner into the small eye of the Suicide Ring at your Iron Heart.
3. Push the neoprene sheath back up in order to safely cover the carabiner.

Picture **35** + **36** + **37** page 72

4.3.2.3. RELEASING THE SAFETY LEASH

1. Grab the release grip with your whole hand and push it away from your body.

2. The release mechanism is triggered by pushing the release grip down.
3. The safety leash is then completely released from your harness.

Pictures **38** + **39** + **40** *page 73*

5. SERVICE ET MAINTENANCE

CAUTION: IT IS NECESSARY TO RINSE YOUR TRUST BAR AFTER EACH USE.

5.1. RINSING THE IRON HEART

Rinse the Iron Heart with clean water. Be sure to open it right up and clean the inside. Move the Roto Head back and forth to remove any obstructions or residues from the ball bearing and interspaces. Use the Suicide Ring to also pull out the red safety line (about 15 cm) and rinse it to remove sand from the passageway in the Iron Heart.

Picture **41** *page 73*

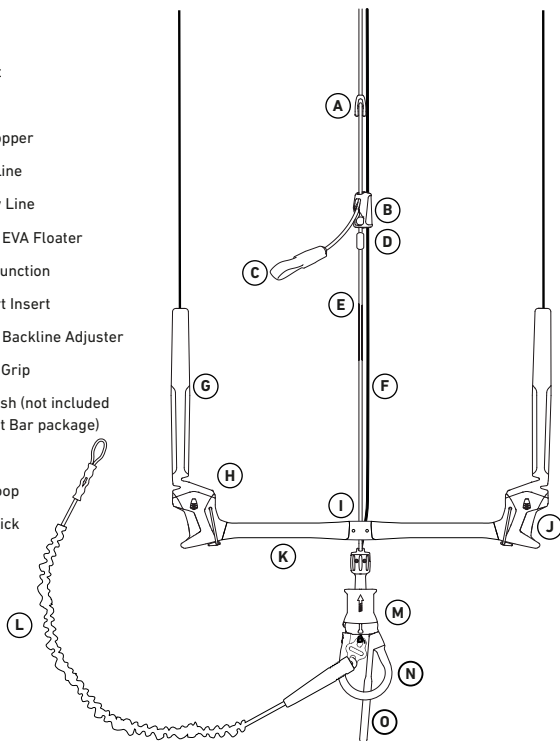
5.2. LINES

CAUTION: DEPENDING ON THE USAGE, SIGNS OF WEAR AND TEAR CAN OCCUR ON YOUR TRUST BAR. BECAUSE OF THIS, WE ADVISE THAT YOU CHECK YOUR LEADER LINES FOR STRESS MARKS EVERY 100 HOURS AND REPLACE IF NECESSARY. TO REPLACE THE LINES YOU'LL NEED TO REMOVE THE END CAPS FIRST. YOU CAN FIND AN IN-DEPTH TUTORIAL ON OUR WEBSITE.

Never expose your Trust Bar to temperatures higher than 70°C. This level of heat can damage the structure of the lines and cause them to shrink. Carry out checks on a regular basis and see whether the lines are the same length. If they are not the same length, you can stretch them or compensate for the difference by replacing the supplied pigtails. You can find guidance and more maintenance tips at www.duotonesports.com

1

- (A) Pulley
- (B) Vario Cleat
- (C) Hopper
- (D) Sliding Stopper
- (E) Depower Line
- (F) Red Safety Line
- (G) Integrated EVA Floater
- (H) Flip Flop Function
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- (L) Safety Leash (not included in the Trust Bar package)
- (M) Iron Hear
- (N) Chlcken Loop
- (O) Chicken Stick

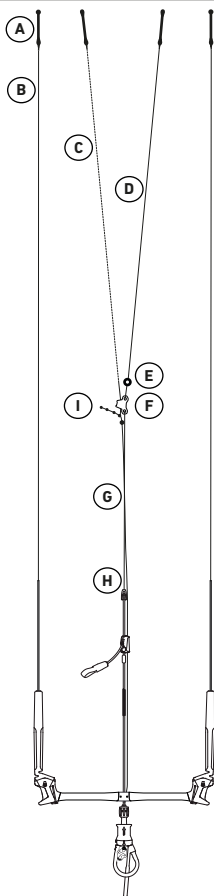


2

4

control

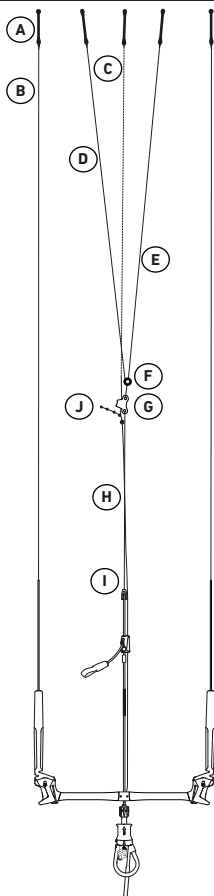
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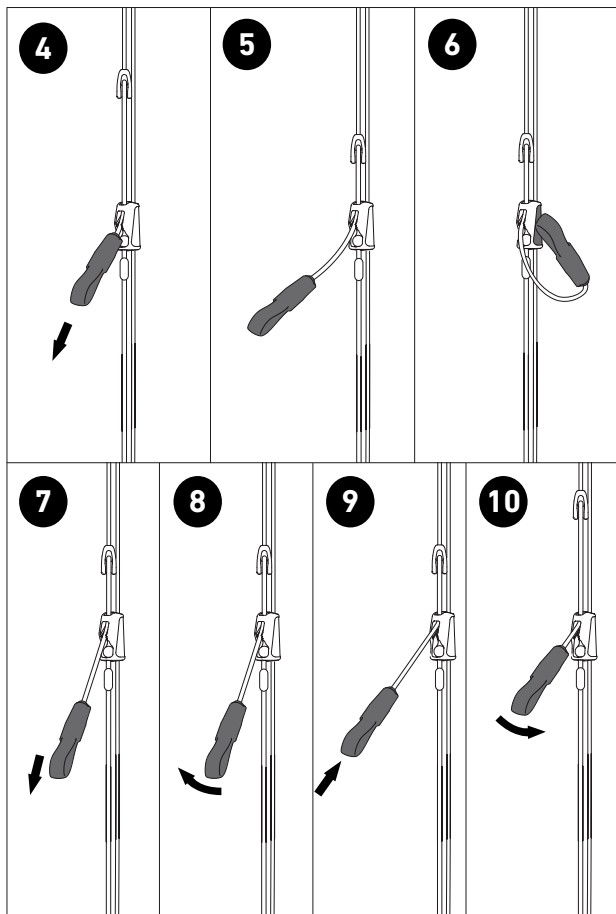


3

5th
element
UPGRADE KIT

- (A) Pigtails
- (B) Back Line
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- (D) Left Front Line (Upgrade Kit Line)
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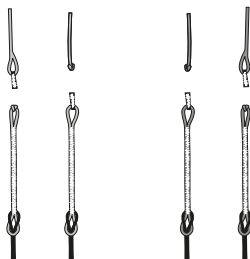


11a

4
control

KITE

Back Front Front Back



red red grey grey

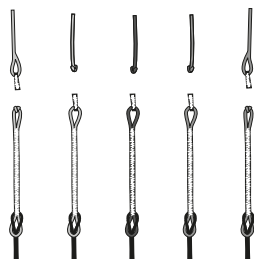
TRUST BAR QUAD CONTROL

11b

5th
element
UPGRADE KIT

KITE

Back Front 5th Line Front Back



red red blue grey grey

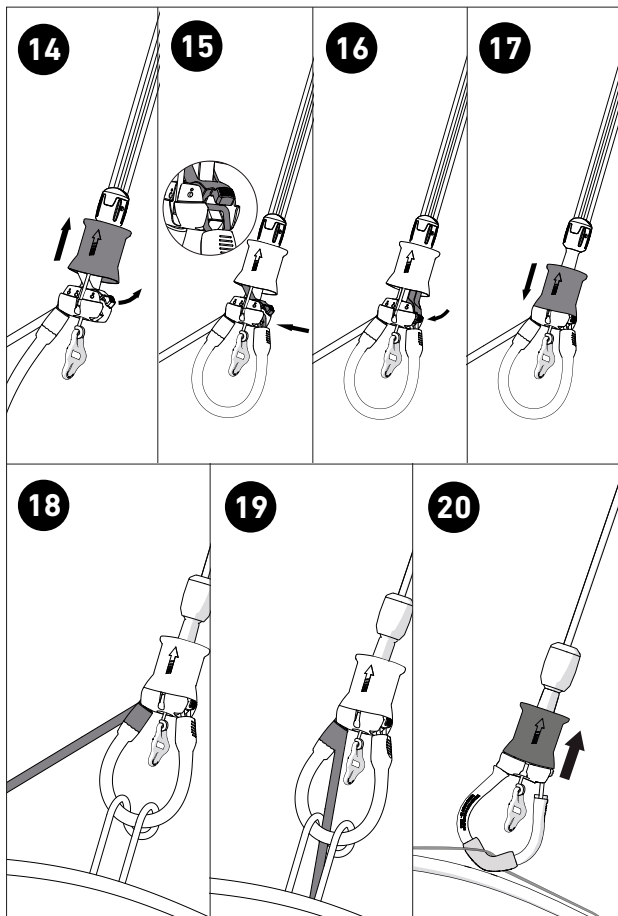
TRUST BAR 5th ELEMENT

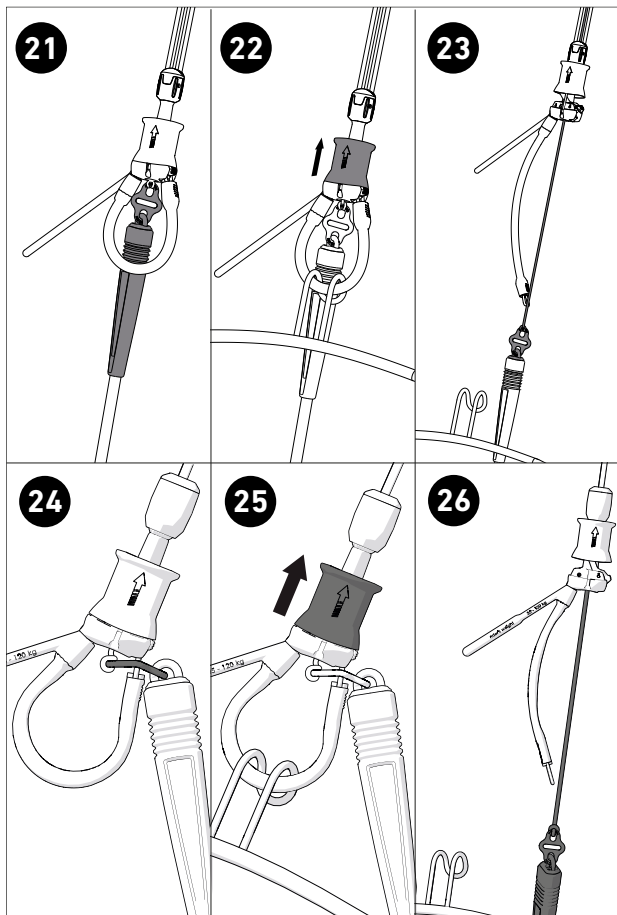
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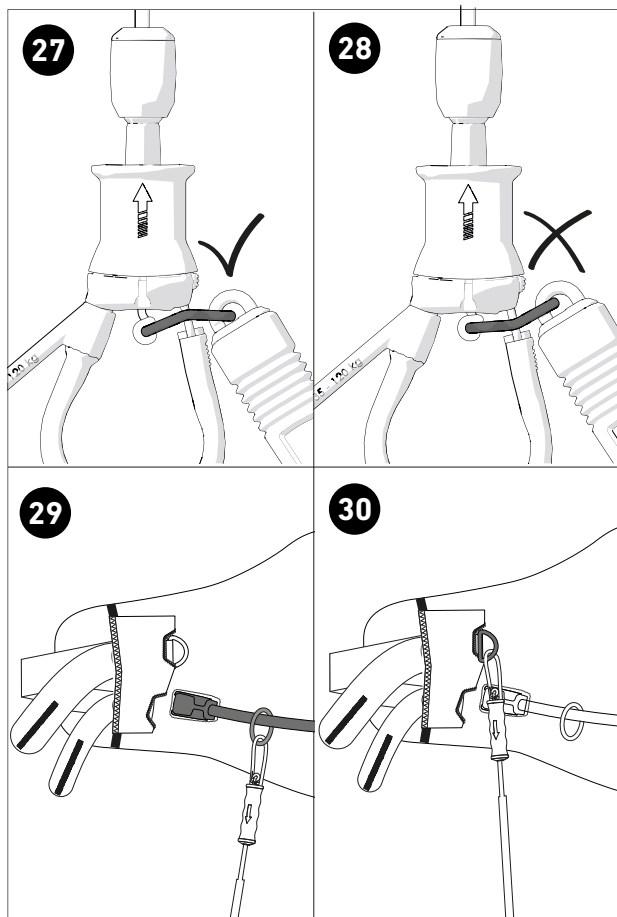


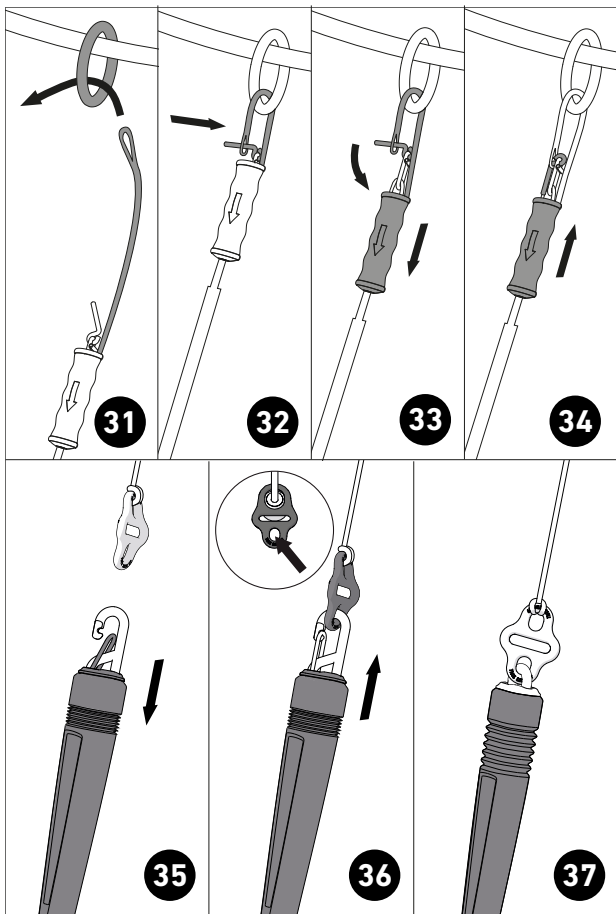
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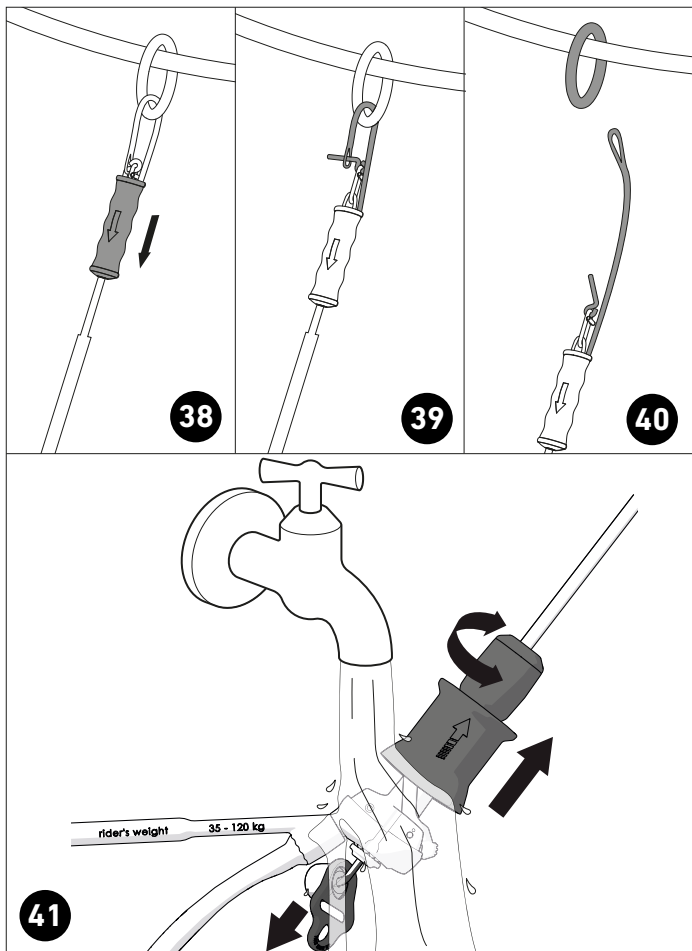














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For further information please visit:

www.duotonesports.com

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