

***DARE***

BIKE OWNER'S MANUAL



# **DARE**

Thank you for purchasing a DARE BIKES product. Please read the manual and warranty terms carefully and keep it safe for future reference and maintenance recording purposes.

- You must obey all the assembling instructions noted in "FIRST TIME UNPACKING"
- You must obey all points described in "BEFORE YOUR FIRST RIDE"
- You must obey all the precautions listed in "PROPER RIDING ENVIRONMENT" to ensure that you ride the bike in suitable conditions.
- You must implement all the precautions listed in "BEFORE EVERY RIDE" and perform all the safety checks before riding.

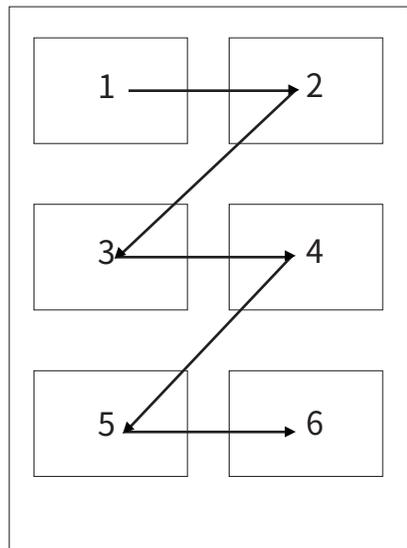
This manual does not seek to explain strategies for competent riding nor associated highways regulations. Failure to ride competently and with a sound knowledge of the highways regulations could result in injury/death to the rider and/or other persons. Please ensure your personal safety by riding only when confident in your abilities in respect of these matters.

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# BIKE COMPONENT DESCRIPTION



## Reading Guide for pictures:



### Notice Symbol

This symbol highlights the important operating steps.



### Caution Symbol

This symbol indicates operating steps that must be obeyed to prevent injury/death.

# IMPORTANT FOREWORD

## THANK YOU FOR CHOOSING DARE BIKES

### 1. Carbon bikes have a limited lifespan.

The majority of people assume that bikes can be used forever, especially the more expensive ones. However, just like other vehicles, a bicycle is composed of many components with a limited useful lifespan. Bicycles therefore need frequent maintenance and adjustment to ensure that each component performs at its optimal capacity during its lifespan.

### 2. The importance of maintenance, repair and safety

The way in which a bicycle is ridden and maintained will have a significant influence upon its lifespan. Therefore, it is essential that maintenance and repairs are performed regularly and to a high standard. This will allow the bicycle to perform at its best for the duration of its lifespan whilst being safer to ride.

Using the bike correctly, wearing suitable safety equipment and riding competently are three elements to ensure your safety and to maximise the bicycle's lifespan.

- Please follow the MAINTENANCE PRACTICE manual to perform the regular maintenance checks.
- For your own safety please do NOT attempt to perform your own repairs unless you have the necessary skills. If you are unclear please contact the service centre or email to:service@dare-bikes.com.

### 3. Storage

Any damage to the paint coat or frame structure/component caused by UV light, rain, moisture, seawater, mud, sweat or heat will decrease the lifespan of the bicycle. The bicycle needs to be stored away from UV exposure, rain and moisture. If the bike is exposed to salt for example on highways, it will require immediate cleaning and drying to prevent corrosion.

On each occasion before being stored, it is important to undergo cleaning and lubrication. Please refer to DARE ROAD BIKE INSTRUCTION regarding the maintenance of each component.

### 4. Please read the manual carefully to understand the warranty terms and conditions.

This is very important as it will help you to understand more about your bike and your rights. Furthermore, this manual can be presented to the authorized reseller during routine maintenance and repair so a record can be kept. For further details regarding specification, maintenance, and warranty terms, please visit our website: <http://www.dare-bikes.com>

- This manual does not cover every aspect of your bicycle nor aims to teach you to ride proficiently.
- This manual is merely to provide information about your bicycle and to provide caution where necessary.
- This manual does not contain a guide to assemble a complete bike.
- Regarding non-DARE component information, please refer to such information provided by those manufacturers.
- Since bike technology is updated from time to time, please follow updates on our website: [www.dare-bikes.com](http://www.dare-bikes.com).

## FIRST TIME UNPACKING



The DARE EZBOX is a carton which is designed for transportation. Its purpose is to allow the user to transport their bicycle frequently whilst minimising storage space. The packing and storage instructions are detailed on the box itself. (The image is just for reference) Please refer to these instructions to pack the bicycle properly. A wheelset can be purchased separately to allow the box to be transported more easily. See more details at P.36.



It is very easy to unpack the carton. Please follow the instructions step by step to avoid any mistake result in injury or damage. Begin by using a small knife such as a utility knife to cut the tape. Be sure to use a suitable knife to prevent damage to the bike.



EZBOX

Once opened you will see that 85% of the bicycle has been assembled (including the rear wheel and main components). The front wheel, seatpost and handlebars are packed separately, and there's also a tool box within the carton which includes spare hangers, screws, a front wheel quick release skewer, carbon friction paste, a 5NM torque wrench set, bicycle reflectors, some small parts, a DARE Manual and any additionally-purchased products (the Di2 accessories will include a battery charger)



TOOL BOX

**i** When assembling the bike, it will be easier and quicker to do so with another person. Although it can be done by yourself with a bike rack or the EZBOX.

**i** Each model will have different components. Please refer the specification on the website.

## TAKE OUT THE MAIN BODY OF THE BIKE



Take out the tool box and the corrugated paper seat below, open the toolbox and remove the tools.



Next, remove another corrugated paper seat on top of the rear wheel, then take the seatpost out (and put it to one side.)



Lift the top tube and carefully take out the main body of the bicycle.



Position the forks on the ezbox and balance the bicycle so as not to topple. This will make the following steps easier. If available, use a bike holder to secure the rear wheel. If not, you can use the corrugated paper seat as a temporary alternative. (But please be aware that this is not as stable as bike holder.)

**!** When lifting the bike, do not loosen the Velcro but keep the wheels and handlebar fixed on the bike to prevent anything falling and becoming damaged.



Hold the front wheel and release the Velcro on it. Put it to one side.



**!** Use the knife to avoid damaging the bike and/or yourself.

**!** Do not use any equipment fixed on the main body (frameset) to stabilize the bike. Use an alternative method to fix the seatpost and frameset. For example, corrugated paper seat or ideally another person.

## ASSEMBLE THE HANDLEBAR (General handlebar)

For Triathlon handlebar assembly please go to page 9.

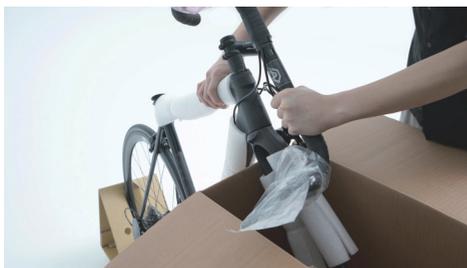
EN



Use the hex key (NO.4) to loosen the screws of the stem cover and store in the toolbox for the time being.



Hold the handlebar steady and loosen the Velcro. The fork has been pre-fixed with the headset, so it won't slip down.



Take out the handlebar, unpack the wrapper and put it to one side. Do not use a knife for this as it may damage the bike.



Open the supplied (1) carbon friction grease. (page.8) Apply a thin layer inside the stem cover and to top of the stem which makes contact with the handle bar. (page.8)



Turn the handlebar 90 degrees and align the DARE Logo so it sits in the centre of the stem when seen from the front. Ensure any cables are not bent or twisted.



Tighten the handlebar using the four screws but not completely tight.

**!** Above is the method for locking stem 6061. For stem 7050, please refer to its manual with the frame.



Place your hands on the hoods and squeeze the brake levers. Adjust the handlebar upwards or downwards as necessary so that you can apply sufficient braking force to the brake levers.



Using the supplied(2)torque wrench (5Nm), tighten each screw little by in the order shown on the diagram.



For electronic gear-shifting, use the supplied plug tool to install. Note, you need to hear a locking "click" to ensure that this step has been completed.

**i** These handlebar assembly instructions are suitable for all DARE bend bar series. Note, the triathlon bike has different instructions due to mounting the extension bar-please refer to the following page.

**!** You **MUST** use the supplied torque wrench set to DARE' s recommended torque value otherwise this may result in over/under tightening and possible injury (or death). Failure to do so is solely the user's fault and as such no blame can be attributed to DARE bikes.



(1) **Carbon friction grease**  
Carbon components are prone to damage due to improper fixing. Carbon friction grease increases adhesion between components, and prevents over-locking & electrostatic corrosion.



(2) **5Nm Torque Wrench Set**  
The supplied torque wrench set includes No.3~5 hex keys, T20 & T25 box wrenches and a Phillips screwdriver to assemble a DARE Bike.

**i** Move to P.24 to assembly the tired.



**!** Please remove the torque wrench set before beginning assembly to prevent damage to the bike.

## ASSEMBLE THE TRIATHLON AEROBAR



Remove the triathlon bike from its box. Release the three Velcro straps and foam pieces on the front wheel. Remove the front wheel and place back in the box.



Position the fork on the EZBOX and balance the bicycle so as not to topple. This will make single-person assembly easier.



**i** Tie up the removed foams and Velcro straps and store in the tool box.



Using an extra bike holder will be make assembly easier at this stage. Do not use directly on the carbon of main body (frameset) and seatpost.



Remove the wrappers from the aerobar. The tie wraps and velcro straps are reusable for when you need to pack the bike again, so ensure you keep them safe.



We strongly recommend you that keep the wrapper on the frame during assembly to avoid accidentally damaging the bike.



During assemble it is easier and quicker to complete all the steps with a helper. Otherwise, use a bike rack or the EZ Box corrugated paper seat.

# TT BIKE ASSEMBLE PARTS



TOOLBOX

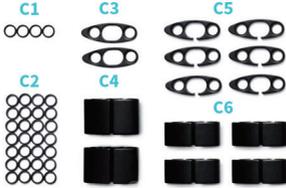
BIKE ASSEMBLING KITS

There're varies tools such as wrench in the TSR tool box. And the bike assembling kits contains all the parts with the illustration that allows you to find it accordingly.

## A Stem adjustment



## C Aero bar adjustment



## G Brake kits



## B Aero bar kits



## D Stem bolts



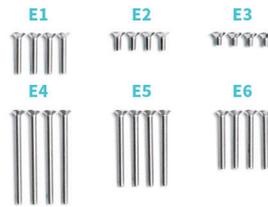
## H Computer mount



## I Fork fixer kits



## E Aero bar bolts



## J Hole plugs



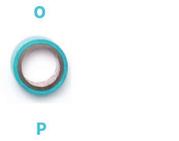
## K Rear derailleur hanger



## L Seat post



## O P Q



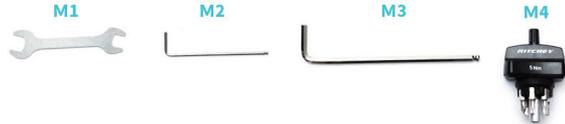
## F Aero bar mandrel bolts



## N Di2 kit



## M Supplied tools



Above are the tools and parts that you will need in bike assembling and adjustment. Please follow the instructions of the manual.

# TT BIKE ASSEMBLE PARTS LIST

EN

	QTY		QTY		QTY
<b>A Stem adjustment</b>		<b>D Stem bolts</b>		<b>H Computer mount</b>	
A1.Front cap	1	D1.Bolt M5*20mm	2		2
A2.Stem extension A	1	D2.Bolt M5*25mm	2	<b>I Fork fixer kits</b>	
A3.Stem extension B	1	D3.Bolt M5*30mm	2	I1.Wrench adapter	1
<hr/>		D4.Bolt M5*35mm	2	I2.Fork bolt	1
<b>B Aero bar kits</b>		D5.Bolt M5*45mm	2	I3.Steerer tube lock spacer	1
B1.Thick arm pad (L)	1	D6.Bolt M5*50mm	2	<hr/>	
B2.Thick arm pad (R)	1	<b>E Aero bar bolts</b>		<b>J Hole plugs</b>	
B3.Thin arm pad (L)	1	E1.Bolt M6*35mm	4	J1.Extension bar end plug	2
B4.Thin arm pad (R)	1	E2.Bolt M6*16mm	4	J2.Rear derailleur cable plug	1
B5.Arm pad plate (L)	1	E3.Bolt M6*12mm	4	<hr/>	
B6.Arm pad plate (R)	1	E4.Bolt M6*75mm	4	<b>K Rear derailleur hanger</b>	
B7.Extended plate (L)	1	E5.Bolt M6*65mm	4		1
B8.Extended plate (R)	1	E6.Bolt M6*45mm	4	<hr/>	
B9.Arm pad mount (L)	1	<b>F Aero bar mandrel bolts</b>		<b>L Seat post</b>	
B10.Arm pad mount (R)	1	F1.Bolt M6*80mm	4	L1.Seat post clamp	1
B11.Extension bar clamp (L)	1	F2.Bolt M6*50mm	4	L2.Rubber bung	1
B12.Extension bar clamp (R)	1	<hr/>		<hr/>	
<b>C Aero bar adjustment</b>		<b>G Brake kits</b>		<b>M Supplied tools</b>	
C1.Washer (1.5 mm)	4	G1.Screw M5*14mm	4	M1.Sheet wrench (No.10)	1
C2.Washer (3 mm)	28	G2.Screw M5*16mm	4	M2.Hex key (No.2.5)	1
C3.Oval plate	2	G3.Screw M5*18mm	4	M3.Hex key (No.5)	1
C4.Riser (30 mm)	2	G4.Washer 2 mm	4	M4.5Nm Torque Wrench Set	1
C5.Riser (5 mm)	6	G5.Washer 4 mm	4	<hr/>	
C6.Riser (20 mm)	4	G6.Rear brake barrel adjuster	1	<b>N Di2 Accessories</b>	
		G7.Front brake barrel adjuster	1	N1.Di2 battery charger	1
				N2.Di2 disassemble wrench	1
				<hr/>	
				<b>O.DARE paper tape</b>	
					1
				<b>P.Carbon friction grease</b>	
					1
				<b>Q.Front wheel quick release</b>	



Take out the tool box and the triathlon bike assembling kit.



Select the **M2** and release the screws on the stem cover.



Take out the junction and wires of **DI2**.



Insert the supplied **I1** into the **I2** within the **DARE** steerer tube lock spacer **I3**.



Use the supplied **M1** to loosen **I2** by turning counterclockwise.



Remove the **I3** lock spacer.

**!** Exercise caution having removed **I3**. Ensure they are moved as one to prevent possible dropping.



Hold the fork with your other hand to stop it dropping.



Lower the fork slightly and align the bearings in readiness for fixing the stem.



Place the stem on the top of head tube and align its hole centre to the bearing centre. Insert the steerer tube upwards into the stem hole.



Place the supplied **I1** onto the **I2** as before.



Use the **M1** to tighten the **I2** by turning clockwise. This will secure the steerer tube and stem. At the same time, pull the brake cable through the centre of **I2**.



Tilt the bike 90 degrees upwards so it's only resting on the rear wheel and move the handlebar up and down to ensure the stem is securely fixed to the fork.

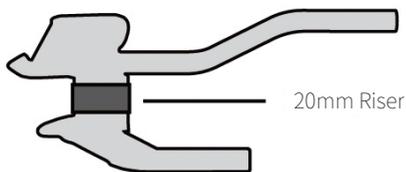


Remove the **I1** and push the front and rear brake cables into the stem. Leave the electronic junction box outside at this stage because there may be adjustments when assembling extension bars and risers.

**i** **I1** and **I3** are DARE-specific tools so ensure they are stored carefully.

**!** To ensure safe riding, make sure that the fork and frame body do not shake after the top cover has been tightened.

## HOW TO INSTALL AND ADJUST THE EXTENSION BAR & RISER KIT



A standard DARE TSR triathlon bike extension bar is fitted with 20mm(C6) Riser. If you have already provided fitting data in your purchase order, we will attach a recommended riser kit on a little card in the tool box. Please refer to this chapter to complete the riser kit adjustment set up easily.

**!** Measure the length of the mandrel and bolts (see the table below) before adjusting the height of the riser kit.

		
RISER KIT HEIGHT	MANDREL LENGTH / NO.	BOLTS LENGTH / NO.
0~20 mm	52mm / F2	35mm / E1
20~30 mm	52mm / F2	50mm / E6
30~45 mm	82mm / F1	35mm / E1
45~60 mm	82mm / F1	50mm / E6
60~75 mm	82mm / F1	65mm / E5
75~85 mm	82mm / F1	75mm / E4

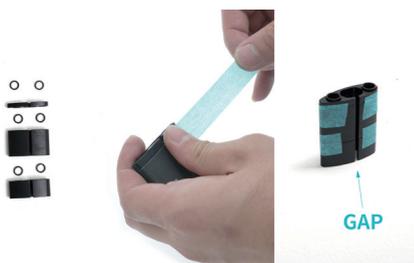
Refer the page. 10~11 (C)RISER KIT HEIGHT、(E)MANDREL LENGTH、(F)BOLTS LENGTH for more details.



Use the **M3** and **M4** to loosen the four screws on the riser on the handlebar.



Carefully arrange the parts as shown in the picture.



Assembling your riser kit (Using a 60mm height measurement as an example (see picture): Locate the screw hole in the riser and put a **C2** on it. Note: If multiple risers are being used, ensure each washer is properly in place between the Riser. Use the sticky tape supplied to hold the riser kit together for the time being, without covering the gap.



Measure the height of the completed riser kit and double check that the selected mandrels and bolts match the value in the corresponding table (see page.14).



Insert the **F1** through the **C3** (its dented side facing downwards) and handlebar. Note: The **C3** is irregular. Ensure that the big side faces forward and small side faces backwards.



Use the sticky tape to hold the plate in place.



Fit a **C1** to each bolt before fitting the riser kit.



Position the riser kit onto the mandrel bolts on the handlebar (The riser kit is an irregular oval. Ensure the fat end faces forward and the narrow end backwards). Pull the gear cable through the riser kit and place in the center.



Align the oval plate with the riser and then position a **C2** in the two indented holes of the oval plate.



Mount the extension bars onto the spacers.



There are **B5/B6**、**B9/B10** and **B11/B12** on the arm pad mounts to allow various fixing positions to the extension bars with a mandrel bolt.



Once an appropriate position has been found, tighten the **B5/B6** without fully tightening since further adjustment will be required later.



To slightly adjust the extension, loose **H** on the computer mounts about 2 circles in a counterclockwise direction.



Align the two extension bars, and position them properly upwards, the screw tightly.



Take out another **H** and fasten with two screws by 3Nm on the rear part of the extension bar.



Also, tighten two screws on **H** in the front.



Slightly adjust the arm rest to the proper location.



Tear out the tape on the risers kit after confirming the location of the extension bars.

**!** The electronic cable has been installed in the extension bar. Therefore, the bar has limited range of adjustment. Carefully pull cable to avoid the internal cable broken.

**!** The maximum torque value of the computer mount is 3Nm. Avoid Using 5Nm to damage the extension bar.



Using a **M4** upper and **M3** lower, to fasten by 5 Nm torque value.



One hand pull out the electronic cable from the stem, another hand squeeze the cable into the gap of the riser kit.



Paste the arm pad on the arm rest.



Lay you elbow to ensure that position is suitable for you. If you prefer wider or narrower please jump to next page. If not, please jump to page 20 to continue.

**!** when screwing, please must follow the recommended torque value on page 34. If the value is less than the recommended, the screw might loosen and result in danger. If it is more than the maximum value, the screw might be too tight and cause the component broken. These do not include in DARE warranty terms and condition, but are extremely important and relate to personal safety. Please must follow the recommended torque value.

**i** There are three types of extension bars, which are I bar, J bar and S bar. Select one type in advance and we will assemble for you.

**i** More adjustments need more data and accessorial tools (eg. Transformer stem bar) DARE will do the best adjustment in terms of your requirement before the delivery. If you want to adjust more by yourself, please refer to the DARE Instruction and DARE Manual.

## ADJUST THE ARMREST AND EXTENDED PLATES ASSEMBLY



Take out the **E7/E8** and **M2**.



Loosen the **E5/E6** first and screw back on either reposition an arm rest plate or add an extended plate. (the letter is downward and **R** is in the right side)



An easy way of fasten. Using **M3** on one hand, and **M4** on another hand.

**i** When loosening the mandrel screws, you must press the mandrel screw which is below the handle bar to avoid it drop while loosening.



Screw the arm rest plate by 5 Nm



Paste the pad on the plate and complete this progress.



Double check the position of the extension bar and arm rest. Ensure there's no cable out of the riser gap. Then squeeze the junction into the stem.



put the cable back to the stem neatly.



Screw the stem cover by M2.



Remove all the tapes.

**i** The maximum torque value that we recommended for the stem cover screw is 2Nm



Remove all the wrapper on the frame.

**i** The wrappers and Velcro DARE used are reusable, please keep it properly and do not cut it out. These would be a nice tool when you need to pack in the future.

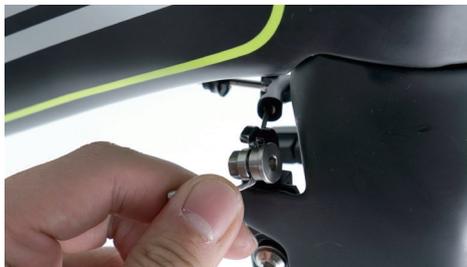
**!** Using the torque wrench to screw to the value which we recommended. If the value is less than the recommended value, it would result in loosen when riding. If it is more than the value, it would be too tight to operate. These human errors are not included in the warranty. Please must follow the torque value we recommended.

## ASSEMBLE THE TRIATHLON BIKE FRONT WHEEL

EN



Before assembling the front wheel, please check the underneath of the fork and see if the **G7** popping up while delivering. If so, push it back into the fork to avoid the disruption of the assembly.



Pull the right side front brake ring and buckle up to the fork.



Take out the **Q** from the accessory box. and assembly on the wheel.



Slightly turn the stem to the left. Hold the handle bar and wheel and keep them in the center, and fasten the two screws (see picture) with **M4**.



Buckle the **G7** and lift the frame body and squeeze the brake lift to check: Is it fictional? Is the brake force obvious?

**i** More component information (such as wheels set) please refer to its manual which is in the tool box.

**i** More brake system adjustment please see the DARE ROAD BIKE INSTRUCTION-"Brake Device".

## INSTALL OF SEAT POSTS WITH UNIQUE SHAPE



Take out the **L1** from the accessory box. Please keep the space between the saddle and the clamp larger than 1.5 mm; otherwise, the seat post might not be properly fastened.



Put and Push the clamp into the seat post slot, and fasten it with paper tape to facilitate installation.



Take the saddle set from the holder on top of the rear wheel, and insert the seat tube. Check if it is easily inserted without being pressed hard.



Apply little Carbon friction grease to the bottom of seatpost, inside the seat tube, and where the clamp is fastened.



After making sure everything is done correctly, connect the cord to the bottom lug. Once you hear it "clicks," push the shift lever to check if the Di2 system can function. (Please contact our customer service if it doesn't work.)



After inserting the seat post to the seat tube, remove the tape.

**!** Please don't apply grease or other oil to the clamped area made of carbon fiber.

**!** There is a minimal depth for seat post insertion. Do not ride on it if it exceeded.

**!** If you use a bike holder during installation, to prevent the bike from being sunken or deformed, do not clamp it to the carbon fiber area.



Use a **M4** to fasten the **L1** to 5Nm.



Take out the plastic cover from the saddle, and fit the **L2**.

**!** While tightening, please do not remove the wrench set from the wrench, so it won't damage the frame.



Congratulations! You have successfully adjusted and installed the triathlon bike. To continue fitting the pedals, please go to "Double-check after Front Wheel Installation" on page 25 and "Pedal assembly" on page 28.

**i** To know more about how to adjust a triathlon bike, please refer to the attached illustrated user guide for bike assembly instructions.

**i** SHIMANO Di2 system is an advanced shifting system. For instruction manuals, please visit the SHIMANO official website <http://si.shimano.com/>.

## FRONT WHEEL INSTALLATION



Take the front wheel quick release from the tool kit. Remove the nut and take out one of the springs.



Insert the QR axle to the hub, and with the spring of the smaller diameter facing inward, insert the spring from the other side, tightening one nut down for one or two rounds. Make sure to fit springs to both sides of the hub, with the smaller diameter facing the hub.



Hold the bike with one hand, with the quick release bar on the left (the opposite side of the chain). Put the front wheel into the fork, and slightly adjust the quick release axis so the fork leg can fit into it. For further instructions, please refer to the official instructions for DT SWISS wheels.



Slightly tighten the quick release, make sure the rim and tire is at the center of the fork legs.



After making sure it is at the center, rotate the quick release bar until it is completely fastened.



Shut the quick release on the SHIMANO clamp, and ensure the brake is back to its place. For further instructions on brake adjustment, please refer to the chapter "Brake Device" of the User Manual for DARE Road Bikes.

**i** With commonly used quick releases, you need to use the handle to tighten it. However, you can directly tighten DTSwiss RWS quick releases. While tightening, if the handle touches the front fork, pull the handle outward to avoid contact. For further details, please refer to the official instructions of DTSwiss RWS.

**!** For your safety braking on the road, make sure that you do this. The position of release lever varies for different brands (e.g., SRAM and Campagnolo). Please remember to check relevant information while assembling on your own.

## DOUBLE-CHECK AFTER FRONT WHEEL INSTALLATION



Check if the rim is centered between the fork legs and is aligned centrally with the brake clamp.

If the clamp is not placed at the center, to correct it please refer to the chapter "Brake Device" of the User Manual for DARE Road Bikes.

If the rim is off center in proportion to the fork legs, please release the rim to readjust. If there are further problems, please contact DARE service.



After installing the front wheel, shut the clamp and loosen the quick release. Press the front brake several times to check if it brakes properly and if it is stable and secure.

If there is any problem, please double check if the clamp quick release is shut. Or go to our website to download the chapter "Brake Device" of the User Manual for DARE Road Bikes.



Check if the front wheel is completely inserted to the dropout. If it is not completely inserted, the center of the wheel might go askew, which could be dangerous while riding.



Use your hand to rotate the front and rear wheels to see if it spins in a circle.

For further information, please refer to the chapter "Wheel Device" of the User Manual for DARE Road Bikes.



**!** After installing the wheels, please check the brake when the bike is still. Make sure you press properly without pressing all the way through.

## SEAT POST INSTALLATION



Remove the protector of the seat tube. Loosen the seat post clamp screw anticlockwise.



Take out the seat post, and apply little carbon friction grease to the bottom, inside the seat tube, and where the clamp is fastened.

**!** Please don't apply other grease or oil to the clamped area made of carbon fiber.



After making sure the height is correct, please use the attached 5Nm torque wrench to fasten it to the required torque value.



Remove the seat post saddle set from above the rear wheel holder, and insert the seat tube. Check if it is easily inserted without being pressed hard.



Insert the seat post into the seat tube to your desired height.

**!** There is a minimal depth for seat post insertion. Don't ride on it if it exceeds it.

**i** To know the required height, you can:

1. Apply the distance between the center of the bottom bracket and the upper saddle center in your old bike to your DARE bike.
2. Acquire relevant information from FITTING websites or bike shops. For further details, please go to the DARE website.
3. Please refer to the chapters "Bike Adjustment" and "Maintenance Guidelines" of DARE Road Bikes Instruction.

**!** Please do not exceed the maximal torque value. For further detail regarding torque values, please refer to the chapter "Recommended torque value table" on page 34



If your bike is equipped with electrical cables, you can find that the DARE seat post is fitted with a customized battery holder and batteries. The seat tube has a D12 lug cable.



Before inserting the seat post, first connect the seat tube cable (it is connected with a “click” sound). For further details about the electrical cable system, please refer to the official information provided by SHIMANO.



Congratulations! You have completed the basic adjustment and assembly of your road bike. Please be aware of how you should adjust and check your bike before you ride. To see how to make each advanced adjustment, please download “DARE Road Bikes Instruction” from the DARE website [www.dare-bikes.com](http://www.dare-bikes.com).

## PEDALS ASSEMBLY (OPTIONAL FEATURE)



To enjoy road bike racing further, it is advisable that you fit your bike with clipless pedals.



The pedal axle is usually marked with L or R. L stands for the left pedal, and R for the right pedal. (When you are on the bike, your left is the bike's left, while your right is the bike's right.)

The direction with how you screw the left is opposite to that with the right pedal. L is anti-clockwise, whereas R is clockwise (the way to fit R is the same as a regular screw).



Before installing pedals, please apply lubricate to the screw thread on the left and right pedals.



First, screw the pedal into the crank for three rounds, and then use the pedal wrench to tighten the pedal from the pedal axle. Or use a No.6 hex wrench to tighten the pedal from the opposite direction of the pedal. (10Nm)

**!** When you ride more than 100 km, please recheck if pedals become loose.

## INSTALLATION OF RELEVANT SAFETY FEATURES



Based on safety regulations, all DARE bikes come with reflectors. Please attach the white reflector to the handlebar, and the red reflector to the back of your seat post. Also attach the white spoke reflectors to the spokes of your front and rear wheels.



You can also purchase bike lights to replace these reflectors, which will be more trendy and practical.

**i** Please adhere to the rules and regulations in your riding areas. You can also refer to the chapter "Rules and Regulations" of DARE Road Bikes Instruction.

## ADJUSTMENTS AND DOUBLE-CHECKING

Congratulations! You have successfully assembled the DARE carbon fiber road bike. Before you ride, please double-check and make the following adjustments to make sure the bike is safe and you know how to use the equipment properly.



Inflate your tyre based on the pressure marked on the tyre. For regular road bikes, 100 to 120 PSI is suggested. For further information, please refer to the chapter "Wheel Device" of the User Manual for DARE Road Bikes.



Saddle adjustment: Release the DARE single rail saddle clamp to adjust to the desired position and height. The saddle must remain horizontal when completed.



Handlebar adjustment: Straddle the bike to adjust the handlebar to the angle you desire. Usually, the upper area of the handlebar tends to be horizontal or face slightly downward. Use the torque wrench to tighten it to the correct torque value.



Check the shifting: The left lever controls the front derailleur, which has two gears. Along with the right lever that controls the rear, there are 11 gears in total. For further details about shifting, please refer to the chapter "Shifting Device" of the User Manual for DARE Road Bikes.



Shift through all the gears to make sure it goes smoothly. Push the rear derailleur cage all the way through, and make sure it won't touch the spokes and the chain won't fall behind the larger cassette while rotating.



Check if the handlebar, saddle and Tyre are aligned centrally.



Check if the seat post depth exceeds the suggested minimum mark.



Check if the seat post saddle is fastened. Please move the seat post hard and check the torque.



Check if the handlebar and stem are fastened, which cannot be moved whether by being pressed heavily, pulled or twisted. Also check the torque value for each screw.

**!** After your DARE road bike is assembled, please practice riding in a car-free area where the road is flat and safe. Make sure you have set it up correctly, and are familiar with its shifting function. For details, please refer "Before Your First Ride" on the next page.

**!** After riding for the first time, please double-check your bike according to Page 32 "Before EVERY RIDE" every time you ride it.

**!** when screwing, please must follow the recommended torque value on page 34. If the value is less than the recommended, the screw might loosen and result in danger. If it is more than the maximum value, the screw might be too tight and cause the component broken. These do not include in DARE warranty terms and condition, but are extremely important and relate to personal safety. Please must follow the recommended torque value.

**!** To maintain your bike after each ride, please refer to the chapter "Maintenance Guideline" of DARE Road Bikes Instruction.

**!** After you ride 100 km, please recheck if each screw is secured, and tighten it to the correct torque value with a torque wrench. For further details, please refer to the chapters "Suggested Torque Value" and "Maintenance Guideline" of DARE Road Bikes Instruction.

## BEFORE YOUR FIRST RIDE

1. Do you ride the road bike for the first time? Unlike leisure bikes, professional bikes are for athletic cycling, which requires practicing and gaining experience. Please locate a car-free open space to practice riding your new bike. It would be even better to find a professional to guide you. For further information, please visit our website [www.dare-bikes.com](http://www.dare-bikes.com).



2. Are you familiar with shifter and brake systems? DARE bicycles apply Shimano shifter and brake lever combos, with the front brake and shifter on the left, and the rear brake and shifter on the right. Please make sure that you know how to work with this type of lever. For example, you should know how to switch gears. Do not shift both front and rear gears at the same time. Do not pedal heavily while shifting. Do not use the front brake alone. You should also know how to adjust the shifter accordingly, and how to brake properly, to name but a few. Please do test and learn yourself with braking and shifting. If you find it too hard to handle, please seek professional advice and guidance, or refer to the chapters "Brake Device" and "Shifting Device" of the User Manual for DARE Road Bikes.



3. Do you use clipless pedals and cleats for the first time? If so, please learn yourself with how to clip in and out, and practice in a car-free open area. To know how to adjust clipless pedals, please read the attached user guide. For further details, please refer to the chapter "Pedal System" of the User Manual for DARE Road Bikes.



4. Make sure the handlebar and saddle were properly adjusted. Straddle the bike with hands on the handlebar. Check if the distance from the up tube to your crotch is longer than 2 fingers, then check if the saddle, handlebar and the frame is along the same central line. Finally, make sure when you sit on the saddle, your toes can slightly touch the ground. If you have any query, please refer to the chapter "Bike Frame Adjustment" of the User Manual for DARE Road Bikes. These adjustments are crucially important.



5. Under normal circumstances, the weight capacity of a DARE bike is over 130 KG, but the DTSWISS wheels can only hold about 100 to 110 KG. Do not exceed the weight limit or it could be dangerous. For further details, please refer to the official information of each component.

6. Are you familiar with how to use and take care of carbon fiber materials? Please read the part on page 43 "Carbon Fiber Bike Statment" in the guidelines for maintenance.

## BEFORE EVERY RIDE

Do check the following before every ride:

1. Check if the tires are in good condition and the tire pressure is 100~120psi. Make sure the front and rear wheel rotate about the axle without distortion. Make sure the spokes are not broken.
2. Make sure the front and rear wheel quick releases are secure, and the tire is at the center of the frame.
3. Make sure the brake quick release is secure, and the brake clamp is at the center of the tire. The distance between the brake block and the rim should be less than 3 mm.
4. Press the brake lever to make sure the front and rear brake work and the press point is the same. The brake lever cannot touch the handlebar. Brake pads must be fitted along the rim without touching the tyre.
5. Get the rear wheel up and turn the chainwheel. Shift gears to make sure if the shifter functions well and the chain moves properly.
6. Make sure the saddle, stem and handlebar are aligned centrally. Check if each screw is tightened.
7. If you are riding at night, please make sure your bike is properly fitted with lights and reflectors. Please adhere to the relevant regulations.
8. Any mechanical malfunction or tire problem might happen while riding. It is also crucial that you have supplements to boost your energy. Therefore, you can enjoy your riding more with tool kits and nutrition bags. We advise you to prepare the following items: a tool kit, two plastic tire levers, a spare tube, a tire inflator, a nutrition bag and a water bottle. You should also bring a mobile phone and some money with you.

**!** The above guidelines can ensure your safety while riding. Please check each one thoroughly. If there is any problem, please do not ride the bike in case of dangers.

**!** In terms of transportation, DARE EZBOX offers you the best bike transport case. For further details, please refer the "Packing your Bike in an EZBOX" on page 37.

**!** For other items to be transported, to prevent the bike from being damaged, please adhere to the required weight limit.



## SUGGESTED PLACES FOR CYCLING

DARE has a variety of bikes, and each type has their unique function. Thus, DARE has suggested different places for riding different bikes.

To ensure each cyclist is safe during their ride, DARE advises to ride your bike in places where it is made for. If the place you are riding is not suitable for your bike, its frame and other accessories might be damaged, which could lead to accidents.

While designing our bikes, DARE has set up various testing standards based on different surroundings. We aim to make sure our users can ride as safely as possible.

While riding, the maximal weight of the cyclist and the baggage usually should not exceed 120 kg. Under certain circumstances, the gadget manufacturers of other brands might suggest otherwise, so the maximum might become lower.

Please know where you should ride your bike. If you are still not clear about this, please contact DARE customer service.

### TYPE-1

This type of bikes is suitable for riding on flat roads where the tires will not leave the ground, or go through ups and downs or stairs. These are typically road bikes, triathlon bikes or time trial bikes with the tire width of less than 30 mm. With the cyclist and baggage, the maximal weight should not exceed 120 kg. Under certain circumstances, the gadget manufacturers of other brands might suggest otherwise, so the maximum might become lower.



### TYPE-2

In addition to the places suitable for TYPE-1 bikes, you can ride TYPE-2 bike on gravel roads or milder trails. There might be ups and downs on the road so that the tires might not touch the ground temporarily. The tire width is typically between 30 mm and 40 mm. These bikes include touring bikes, city bikes and cyclocross bikes with disc brakes.



### TYPE-3

In addition to the places suitable for TYPE-1 and TYPE-2 bikes, you can ride TYPE-3 bike on steeper trails, which can be bumpy with ups and downs or stairs. Such bikes can go through ups and downs of a fall within 50 cm. The tire width is typically between 40 mm and 55 mm. It has to be at least a hardtail mountain bike with front suspension. (It is bumpy going through ups and downs, which might damage the bike or cause injuries for inexperienced cyclists.)



## RECOMMENDED FASTENING TORQUE VALUE

DARE products		
Frame	Water bottle bolts	4-5 Nm
	Cable holder screw	1.5 Nm
	BB lower cableguide	3 Nm
	Chain catcher screw	1.5 Nm
	Front derailleur mount	3 Nm
	Rear derailleur hanger screw	1.5 Nm
	TSR front derailleur cable tube	3 Nm
Seat post clamp	Seat post clamp screw	5 Nm
Seat post	MR1s saddle clamp	15 Nm
	VSR/TSR saddle clamp	12 Nm
Stem	Front cap screw	5 Nm
	Lateral front fork screw	5 Nm
TSR Stem	Carbon fiber stem top cap	1.5 Nm
	Front cap screw	5 Nm
	Lateral front fork screw	5 Nm
	fork steel screw	5 Nm
TSR handlebar	Arm pad screw	5 Nm
	Aero bar screw	5 Nm
	Computer mount	3 Nm

Assembly parts		
Rear derailleur	Rear derailleur hanger mount screw	10 Nm
	Jockey wheel	3 Nm
	Shift cable stop	5-7 Nm
Front derailleur	Front derailleur hanger mount	5-7 Nm
	Shifting cable screw	5-7 Nm
Lever	Hex socket set screw	5 Nm
Cassette	Cassette cover	30-50 Nm
Crankset	Crank screw	12-14 Nm
	Plastic cover	0.7-1.5 Nm
Pedal	Pedal axle	35-55 Nm
Brake	Mount frame screw	8-10 Nm
	Brake shoe set screw	5-7 Nm
	Brake shoe screw	2 Nm



Suggested torque value is applicable under most circumstances. Since such information is not specified by DARE, please refer to the sign on the bike or the gadget instruction manuals for details.

## COLLECT DARE EZBOX

DARE EZBOX is specially designed for bike transportation. You can use this EZBOX to transport your bike by plane or by truck. After you assemble your bike, please store these packing materials. You can follow the instructions on the next page to fold and store all the securing materials. The instructions will also guide you through how to pack your bike into the box on page.37. With portable wheels, you can ride anywhere around the world.



EZ BOX comes with the following accessories:

1. Triangular frame mount \*3
2. Front fork bracket \*1
3. Velcro strap for securing the frame \*6
4. High-density foam \*6
5. Tool kit
6. Portable wheels (Optional feature)



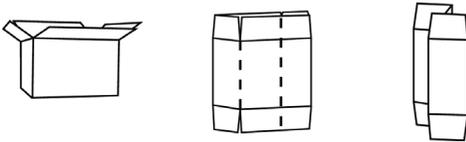
After you assembly your bike, please wrap the high-density foam with the Velcro strap. Place the user manual, 5Nm torque wrench set and other gadgets used to protect the bike inside the tool kit.

# HOW TO STORAGE THE EZBOX



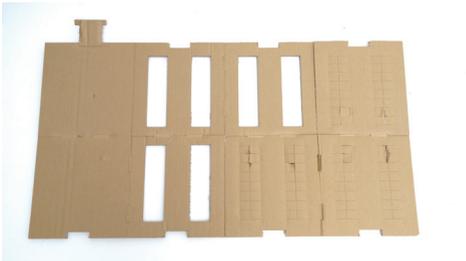
### How to fold

Spread the carton, then follow the dash line on the carton and fold it as the chart shown.



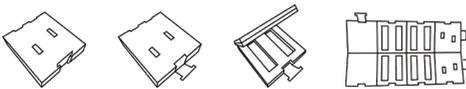
### How to storage the triangular frame mount

Release the paper buckle and spread out, then follow the dash line and fold it as the chart shown.



### How to storage the front fork bracket

Release the paper buckle, and completely spread out and fold as the chart shown.



Finally, packing all the carbon board together and tie up by two belts. If you' ve purchased the EZBOX wheelset additionally, you can directly use the supplied Velcro belts.

**i** Avoid to storage in the humid environment, keep in the dry place.

## PACKING YOUR BIKE IN AN EZBOX.



Take out the ezbox, unfold it and tape the bottom ensuring it is secure.



Align the triangular corrugated paper seats (body fixed and fork fixed) at the bottom of the ezbox.



Shift your derailleur to the lowest rear gear. (image shows easiest gear)



Shift the front derailleur onto the smallest chain ring.



Remove the pedals. A hex key (No. 6) will remove most makes. Store in a toolbox for safekeeping.



Loosen the front wheel quick release skewer and remove the wheel.



Remove the quick release and put it in the tool box.



Take out the hub protection and insert it into one side of the hub.



Place the bike into the EZBOX so that the rear wheel is positioned in the corrugated paper seat and the forks overhang the front of the box.



If you have an electronic shifting system, remove the three cables from the junction box (using the appropriate tool) before removing the handlebar. Failure to do so will likely cause damage.



Loosen the stem face plate, remove the handlebar and secure the face plate once more (enough to hold it in place and no more).



Position the handlebar as shown in the picture and use three high density foam pieces and belts to fasten the handlebar at the three locations as shown below, namely the top tube, head tube and fork.

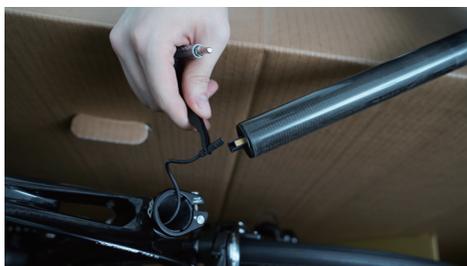
**!** If you use an electronic shifting system, remove the three cables from the junction box (using the appropriate tool) before removing the handlebar. Failure to do so will likely cause damage.



Position the foam piece between the frame and handlebar and fasten the belts at top tube, headset and fork.



Remove the seat post after loosening the seat post clamp with a wrench (No.4), then screw the clamp back.



Remove the electronic shifting cable using the appropriate tool.



Tape the shifter cable onto the frame to avoid it dropping into the seat tube during transit.



Insert the seat post and saddle into a triangle paper seat as shown above.



To attach the front wheel, lie the bike on the top of the carton with the drivetrain facing downwards, being careful not to rest on the derailleurs. Prepare three sets of foam pieces and position them at top tube, down tube and chainstay as shown.



Attach the front wheel with the Velcro straps around the chainstay (keeping the hub protection upwards).



Install the rear quick release protective device.



Install the rear derailleur protective device.



Lift the bike up and insert the stem and handlebar into the last triangle paper seat as shown.



Holding the top tube, carefully put the bike into the EZBOX. The triangle paper seat should fit snugly in the carton.



Position the combined seat post and paper seat on top of the rear wheel.



Put all tools back into the tool box and place it on the front paper seat.



Use tape on the mark as shown to prevent the tool box from moving around during transit.



Finally, tape the top of the EZBOX securely and packing is complete!

# EZBOX WHEEL INSTALLATION



This chapter will show you how to attach wheels (purchased separately) to the ezbox, enabling easier travelling.



Secure the two supplied plastic fixed plate at one third of the carton length from each end. (see below)



The plastic plate have a "W" shape moulding. Mount a wheel at each of these locations.



Finally, position the wheels so they are on the underside of the carton and ensure the belt is fastened.



## CARBON FIBER BIKE STATEMENT

1. Carbon fiber silk is a type of polymer fiber made from artificial chemical fiber with higher than average carbon content and manufactured via series of rigorous and complex processes such as drawing, oxidation, carbonization and graphitization inside a furnace.

2. The carbon fiber used to manufacture a DARE bike is composed of a carbon fiber silk with high polymer resin which gives it a sticky quality that enables layers to be stuck to one another. After the hot molding process, its tensile strength can be up to 7~9 times stronger than an equivalent made of steel but its compressive elastic modulus is also higher than steel. Moreover, the strength of aerospace high-rigidity high-modulus carbon fiber is yet higher with their weight being only one quarter of a steel equivalent.

3. Carbon fiber is a low-density material and hence light, so it is ideal for use in the production of bike frames and associated products. Also, the rigidity and strength of these products can be enhanced at a material level by using different permutations and stacked angles of carbon fibers. DARE uses computer processing to aid in the designing and analysis of permutation, layup, and strength of carbon fiber material. Combined with the experience gained through years of manufacture and rigorous testing, DARE has developed both a light and sturdy high-quality product.

4. The assembly and maintenance of carbon fiber frames is completely different from those of steel bikes or aluminum ones. DARE strongly advises that you only use DARE-authorized bike service professionals.

5. The physical properties of carbon fiber and metals are different. Under normal usage and without inappropriate internal stress or external impact, the material fatigue of carbon fiber bikes is much lower than those of aluminum and steel bikes. However, when a carbon fiber bike suffers excessive internal stress, external impact, or poor packaging when in transit, it is more likely to crack than bend. Such cracks may be invisible to the naked eye initially but are likely to expand through continued bike use, which will of course endanger the bike rider's safety. To prevent any such accidents, please return the bike to the original dealer for a professional inspection, according to the maintenance schedule and plan in the instruction warranty manual.

6. All lightweight carbon fiber frame tubing is very thin. Inappropriate paint spraying may cause surface damage during the removal of the original paint. As such, re-spraying is strongly discouraged. Such re-spraying of any part of the bike will invalidate the warranty and DARE will bear no responsibility for any associated damaged.

Warranty terms and conditions

## WARRANTY TERMS AND CONDITIONS

### WARRANTY LIFETIME

**The warranty is limited to the defective goods direct from the manufacturer and is only valid for the initial owner of the bike. As such, the warranty is not transferred upon sale of the bike.**

1. The original warranty period is three years from the date of receipt (36 months)  
The warranty period will be extended to 6 years (72 months) if the customer completes the online registration within 30 days of the date of delivery.
2. If any product manufactured by DARE is deemed defective and falls within the remit of the terms and conditions, it may be repaired or exchanged. If such a product has been discontinued, it will be replaced by a similar value product.  
\* If a non-DARE product is deemed defective please contact to product's suppliers directly.
3. Please store your warranty card, receipt and the proof of purchase in a safe place.
4. DARE maintains the right to make the final decision regarding fixing, changing or replacing a defective item.
5. Additional services such as bike maintenance and shipping are not included in the warranty.

### WARRANTY CLAIMS

1. When progressing a warranty claim the following information is required: proof of purchasing, sezial No., photos of the bike and the damage part. Email this information to the DARE SERVICE MAILBOX: [service@dare-bikes.com](mailto:service@dare-bikes.com). We will reply to you as soon as possible.
2. The warranty lifespan will stay the same regardless of any changes made to the product.
3. If a product is replaced under warranty the defective (original) will belong to DARE.

## CRASH AND REPLACEMENT PLAN

Register your bike via [www.dare-bikes.com](http://www.dare-bikes.com) within 30 days of the date of your purchasing to become part of our "Crash and Replacement Plan". This plan is valid to the original purchaser for 3 years from the date of purchase as shown on your receipt. Please ensure that all details submitted are correct. In the event of an accident or crash such damage may occur to the frame/fork which would make the bicycle unfit to ride. Any such damaged incurred which is excluded from the warranty terms and conditions can be covered by our Crash and Replacement Plan. For a special price\* we will offer to exchange the same or similar product (only DARE frames, forks, handlebars, and seatposts are covered by the plan and non-DARE products such as wheels, derailleurs and saddles etc. are excluded).

\*Check the official DARE website: [www.dare-bikes.com](http://www.dare-bikes.com)

Please contact us by email and include details of the damage to your bicycle with photographic evidence. DARE will then inform you how to proceed with the Crash and Replacement Plan after evaluating your information.

- If DARE has reason to believe that the damage reported was caused deliberately the right of replacement could be forfeited depending upon the judgement of DARE.
- The replaced defective product will be returned to DARE who will also become the owner.

## FREE RETURN WITHIN 7 DAYS

If you find any damage to your purchases after unpacking your shipment, please retain the original packaging and do not attempt to assemble or ride the bicycle. Contact DARE customer services. Upon confirmation from DARE that free return of the bike must be made within 7 days, you will have the right to an exchange or refund. After 7 days, the right to an exchange or refund is forfeited and DARE will have the right to decide the course of any future action.

## MODIFICATION PERMISSIONS

DARE maintains the right of cancellation or revision of the Crash and Replacement Plan at any time without personal notification. Any such notifications can be found on the official website at [www.dare-bikes.com](http://www.dare-bikes.com).

**THE FOLLOWING ITEMS ARE EXCLUDED FROM THE CRASH AND REPLACEMENT PLAN:**

1. Consumable components including but not limited to: tires, brake pads, brake cables, gear cables, handlebar grips, sprockets, chains, freewheels, wheel rims, hubs, and so on.
2. Those without a proof of purchase date or receipt.
3. Those DARE items which are not covered by the warranty period.
4. Those with an indecipherable or incorrect model and/or serial number.
5. Those with a serial number that has been removed or altered.
6. Those which have been operated or maintained incorrectly as determined by the relevant instruction manual.
7. Those which have been subject to improper cleaning agents or incompatible accessories.
8. Those which have been modified or changed compared to the original specification, painting or parts.
9. Those which generate noise during rotation but which does not influence its function.
10. Those used for renting or frequently lending to other riders.
11. Those which naturally fade and those which suffer from the peeling of metal surfaces or plastic parts, due to improper storage.
12. Those with appearance defects after the 7-day appearance warranty has expired (free return within 7 days).
13. Those with damage or failure caused by the following:
  - Man-made damage, negligence, abuse and abnormal uses.
  - Improper assembly (eg. Improperly using the wrench), maintenance or repair by a non-authorized DARE store.
  - Disassembling components recklessly or carelessly and/or using non-original or modified parts.
  - Surface colour fading or corrosion of metal surfaces due to the passage of time or UV radiation.
  - Repainted (in part or full) products.
  - Natural disasters, such as earthquakes, typhoon, floods, fires, and so on.
  - Accidental collisions (Improper carriage, traffic accidents, impacts, shipping damage, or incorrect usage, etc.)
  - Overloading
  - Exhaust, chemicals, guanos, salt corrosion, and so on.
  - Consumable components not being maintained and/or replaced on time.
  - Use of the bicycle in any unsuitable environment or during competition and/ or commercial activities that include aggressive/reckless handling.
  - Exceeding the minimum insertion of the seatpost, resulting in deformation and damage to the frame.
14. DARE will charge for any component and associated labor during the repair process if the problem is deemed unrelated to any quality issue.
15. DARE will charge a fee for non-DARE products that require repair or replacement. A quote for such work will be provided beforehand.



# REAL RIDE

**DARE BIKES**

/ [service@dare-bikes.com](mailto:service@dare-bikes.com)  
/ [dare-bikes.com](http://dare-bikes.com)



it is important to read this book before you assembly and ride your dare bike.