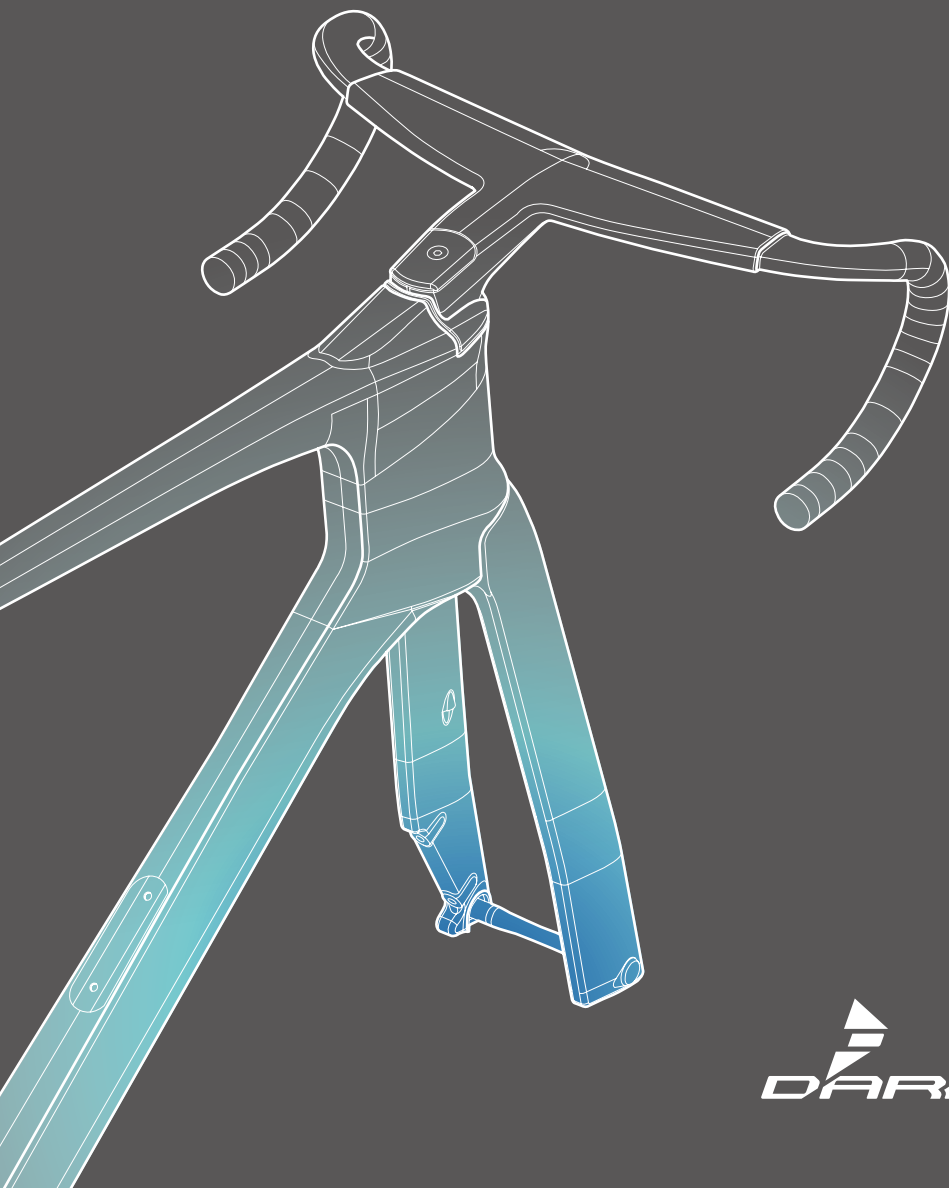


VA-AFO ASSEMBLY MANUAL



INTRODUCTION

Thank you for choosing DARE Bikes!

This technical manual will provide important information regarding the assembly of your bike, please be sure to read it thoroughly. The information provided within is essential to establishing a good understanding of your bike with up-to-date technical knowledge.

To see information regarding correct operation of the bike after full assembly and the parts that need adjustment to maintain rider safety, check out our “Operating Manuals” at www.dare-bikes.com/download. You can also find care and use instructions for parts on your DARE bike such as wheelsets, transmission systems, and seats on the manufacturer’s website or at official retailers in your country.

- This manual does not cover all technical knowledge regarding bikes, and will not be able to teach you to be a technician.
- The main purpose of this manual is to introduce the fundamentals of bicycle care, and provide other important or cautionary information you need to know about your new DARE bike.
- This manual is not to be used for assembling a complete bike. It does not contain instructions on how to assemble each part onto the bike.
- For information on parts not manufactured by DARE, please refer to manuals from the original manufacturers.
- The technical information in this manual may be updated periodically. For the most up-to-date information, please visit the “Downloads” page of the official DARE website at www.dare-bikes.com/download.

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PRODUCT WARRANTY STATEMENT

1. Bikes have a finite lifespan

Many people believe that bicycles can be used indefinitely, especially high-end bicycles. In reality, much like cars and motorcycles, bicycles are assembled from multiple parts and each part has a unique material composition and lifespan. Each part requires periodic maintenance and adjustment to ensure correct operation during its lifespan.

2. The importance of bike maintenance, repair, and safe operation

The method, intensity, and environment in which you use your bike will all affect the lifespan of your bike and its individual components. That's why regular maintenance and repair is of utmost importance. Proper maintenance, inspection, and repair can guarantee that a bike continues to operate normally, safely, and that its parts maintain their expected service life. Make sure to operate the bike correctly as well: wearing appropriate protection, bringing equipment, and riding in suitable environments. This will protect both your personal safety and the condition of your bike.

3. Proper bike storage

UV rays, rainwater, humidity, seawater, mud, sweat, and heat can all cause damage to your bike's paint, frame, or individual parts, and reduce its lifespan. Proper storage of your bike will be away from UV rays, in a clean, cool, and dry environment. If the bike has been used in an environment with high salinity or on a salted road, be sure to clean and dry the bike thoroughly. Your bike should be cleaned and lubricated each time it is placed into storage. Any paint, decals, and finish on a frame could fade over time and with sun exposure. Lubricating products will decrease in effectiveness over time, if your bike has not been used for a long period of time, make sure to properly apply lubricant before riding it again.

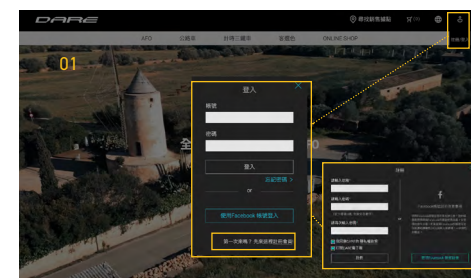
4. Warranty claims

All warranty claims must be filed via authorized DARE retailers. DARE and the retailer will diagnose the issue and contact you with a final warranty determination. For the latest warranty details and accidental collision policies, please visit www.dare-bikes.com/policy.

5. Registering your purchase

To receive DARE's extended warranty, please register your purchase at www.dare-bikes.com within 15 days of receiving the product. There should be a delivery date specified on your proof of purchase, if it is not stated the registration period will begin from the date of purchase.

If you have any questions about your purchase, please contact the authorized DARE retailer that you purchased your product from (www.dare-bikes.com/retailer). If they are unable to resolve your issue, please email us at service@dare-bikes.com.



Registration Process

1. Create a DARE membership account
2. Fill in your personal details, frame information, and proof of purchase details

INSTRUCTIONAL SYMBOLS

This manual uses the symbols below to bring your attention to information and warnings regarding maintenance and assembly. Please carefully read and follow the instructions provided, this will ensure correct installation and use of parts and prevent potential hazards.

Safety Instructions



Warning
Potentially dangerous, could cause serious harm or fatalities if not avoided.



Caution
Potentially dangerous, could cause minor to moderate harm if not avoided.



Notice
Assembly tips or cautionary advice, will not cause injury but could result in broken parts.

* Warning symbols mean that if the situation is not properly handled, it could result in accident or injury. Even if this manual does not specifically mention fatalities, the risk is always present.

Wrench Sizes and Torque Specs



4
10 Nm
Allen key size
If a diagram specifies an Nm value, that means a torque wrench must be used to ensure the correct torque is applied (for example, the diagram may specify to use a 4mm Allen wrench at 10Nm)

Assembly Compounds



Grease
Prevents abnormal sounds



Carbon paste
Increases surface friction and prevents abnormal sounds



Loctite
Locks screw threads (prevents loosening)

FRAMESET SPECS

FRAME	DARE VA-AFO DGTM + Torayca® T1100G/M46X carbon frame
FRAME SIZE	2XS / XS / S / M / L / XL
FORK	DARE VA-AFO DGTM + Torayca® T1100G/M46X carbon fork, 32c max tyre clearance, offset 50°
SEATPOST	DARE V:P1 carbon kammtail shape seatpost 250/300/350mm
WEIGHT	Frame: 938g (M size, raw) + 152g (frame parts) Fork: 446g (raw) + 5g (fork parts) Seatpost: 215g (300mm)
COLORS	Swift Black, Silver Lightning, MYDARE custom colors
HEADSET	CeramicSpeed SLT bearings, Ø40xØ52x7mm, -45°x45°
SPACER	Black plastic spacer for V:C1, 1.125", 5mm thick (10 pcs)
FORK STEERER TUBE	Tapered 1 1/8" - 1 1/2"
FORK LENGTH	369mm
WHEEL SIZE	700C
MAXIMUM TYRE WIDTH	32C
BOTTOM BRACKET	Press Fit 86.5, internal diameter 41mm
FRONT DROPOUTS	12x100mm with DARE thru axle 12x116mm, p1.5, max 10Nm
REAR DROPOUTS	12x142mm with DARE thru axle 12x162mm, p1.5, max 10Nm
AXLE LEVER	DARE carbon hex. 6mm allen key
MINIMUM SEATPOST INSERTION	90mm
MAXIMUM SEATPOST INSERTION	2XS 140mm, XS 160mm, S 190mm M 210mm, L 220mm, XL 270mm
FRONT DERAILLEUR MOUNT	Available remove, 3Nm
MINIMUM CHAINRING (2X)	Standard FD mount: 30T Large FD mount (additional purchase): 36T
MAXIMUM CHAINRING SIZE RANGE (2X)	Standard FD mount: 46-54T Large FD mount (additional purchase): 52-58T
REAR DERAILLEUR HANGER	Standard derailleurs, direct mount
BRAKE	Disc flat mount, 140/160mm (with adapter)
CABLE ROUTING	Shifter: only available internal electronic (Shimano Di2 or SRAM eTap) Front brake: internal in front of headset and fork steer, and out fork leg Rear brake: internal in front of headset, downtube, and out left CS
MUDGUARDS	No
RACKS	No
UCI LEGAL	Yes

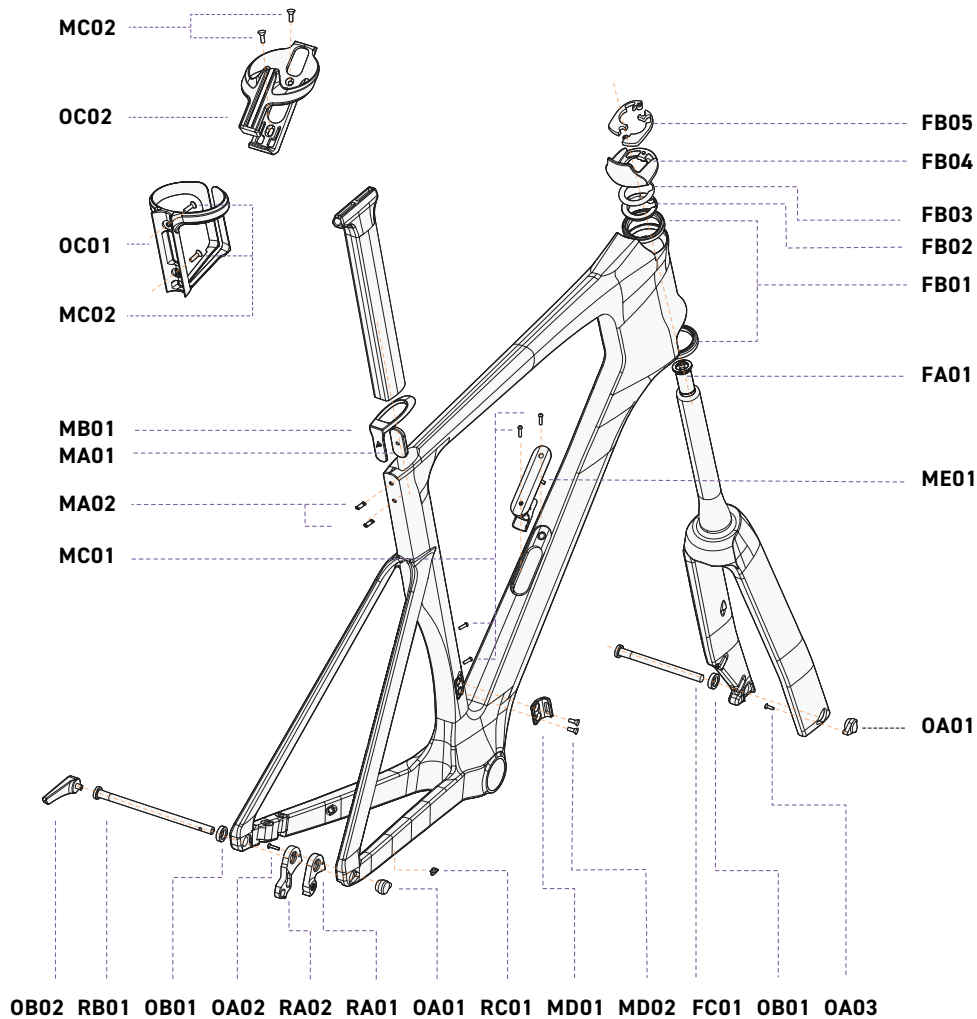
COMPONENTS

No.	Item Name	Qty	No.	Item Name	Qty
FA01	Plug expander	1	OA01	Thru axle nut	2
FB01	Headset bearing Ø40 * Ø52 * 7 mm	2	OA02	Axle mount flat screw M3 * 13 * 11 mm	1
FB02	Headset compression ring	1	OA03	Axle mount flat screw M3 * 10 * 8 mm	1
FB03	0.2mm headset washer	3	OB01	Thru axle spacer	2
FB04	Headset - SP frame cap	1	OB02	Carbon axle lever	1
FB05	5mm headset spacer	10	OC01	V:B1 ST aero bottle cage	1
FC01	Front thru axle	1	OC02	V:B2 DT aero bottle cage	1
			OD01	Churro foam cable sleeve	1
MA01	Magnetic seatpost clamp	1			
MA02	Seatpost clamp set screw M5 * 10 * 10 mm	2	SA01	Saddle clamp kit	1
MB01	Seatpost waterproof cover	1			
MC01	Bottle cage stainless round screw M5 * 15 * 12 mm	4	CA01	Stem top cap	1
MC02	Bottle cage flat titanium screw M5 * 15 * 12 mm	4	CA02	Stem flat screw M6 * 35 * 31.5 mm	1
MD01	FD mount	1	CB01	Stem socket screw M5 * 21 * 16 mm	2
MD02	FD mount flat screw M5 * 16 * 12 mm	2			
ME01	Di2 battery mount	1	EA01	V:C1 computer mount	1
			EA02	Computer mount adapter	1
RA01	Standard hanger	1	EA03	Adapter flat screw M3 * 8 * 5 mm	2
RA02	Direct mount hanger	1	EA04	Adapter mount	1
RB01	Rear thru axle	1	EA05	Computer mount socket screw M4 * 20 * 18 mm	2
RC01	Di2 circle grommet	1	EA06	GoPro mount adapter	1
			EA07	GoPro mount round screw M5 * 23 * 20 mm	1



• If replacement components are needed, please provide complete component information and contact an official DARE retailer at dare-bikes.com/retailer for purchase.

• The above diagram is not to scale and is for illustration purposes only.



No.	Item Name	Qty	No.	Item Name	Qty
RA01	Standard hanger	1	FA01	Plug expander	1
RA02	Direct mount hanger	1	FB01	Headset bearing Ø40 * Ø52 * 7 mm	2
RB01	Rear thru axle	1	FB02	Headset compression ring	1
RC01	Di2 circle grommet	1	FB03	0.2mm headset washer	3
			FB04	Headset - SP frame cap	1
			FB05	5mm headset spacer	10
			FC01	Front thru axle	1
			MA01	Magnetic seatpost clamp	1
			MA02	Seatpost clamp set screw M5 * 10 * 10 mm	2
			MB01	Seatpost waterproof cover	1
			MC01	Bottle cage stainless round screw M5 * 15 * 12 mm	4
			MC02	Bottle cage flat titanium screw M5 * 15 * 12 mm	4
			MD01	FD mount	1
			MD02	FD mount flat screw M5 * 16 * 12 mm	2
			ME01	Di2 battery mount	1
			OA01	Thru axle nut	2
			OA02	Axle mount flat screw M3 * 13 * 11 mm	1
			OA03	Axle mount flat screw M3 * 10 * 8 mm	1
			OB01	Thru axle spacer	2
			OB02	Carbon axle lever	1
			OC01	V:B1 ST aero bottle cage	1
			OC02	V:B2 DT aero bottle cage	1

i VA-AFO cables are wired completely internally, so assembly must be done with extra caution. We strongly recommend that you test assemble and complete your bike fitting prior to final bike assembly.

! Carbon fiber parts can become damaged due to over-tightened fasteners, resulting in a very dangerous situation for the rider. This is not covered by DARE's warranty, so please be sure to follow the torque specs, use a proper torque wrench, and use the correct compounds when necessary to increase adhesion.

TORQUE SPECS CHART

Position	No.	Item Name	Allen Key Size (mm)	Torque Value (Nm)	Assembly Compound
Frameset	MC02	Bottle cage flat titanium screw M5 * 15 * 12 mm	3	2	* 
Frameset	MC01	Bottle cage stainless round screw M5 * 15 * 12 mm	3	2	
Frameset	MD02	FD mount flat screw M5 * 16 * 12 mm	3	3	
Frameset	RB01	Rear thru axle	6	10	
Frameset	OA02	Axle mount flat screw M3 * 13 * 11 mm	2.5	1	
Frameset	OA03	Axle mount flat screw M3 * 10 * 8 mm	2.5	1	
Handlebar	CA02	Stem flat screw M6 * 35 * 31.5 mm	4	2	
Handlebar	CB01	Stem socket screw M5 * 21 * 16 mm	4	4-6 max	

* To prevent galling of the titanium screws, we recommend applying copper-based anti-seize grease.

Position	No.	Item Name	Allen Key Size (mm)	Torque Value (Nm)	Assembly Compound
Fork	FA01	Plug expander	6	10	
Fork	FC01	Front thru axle	6	10	
Seatpost	MA02	Seatpost clamp set screw M5 * 10 * 10 mm	2.5	3 max	
Seatpost	SA01	Saddle clamp kit 1	4	5	
Seatpost	SA01	Saddle clamp kit 2	5	12 max	
Computer mount	EA03	Adapter flat screw M3 * 8 * 5 mm	2	1	
Computer mount	EA05	Computer mount socket screw M4 * 18 * 14 mm	3	2	
Computer mount	EA07	GoPro mount round screw M5 * 23 * 20 mm	3	2	

 4

Allen key size

 5 Nm

Torque value

 G

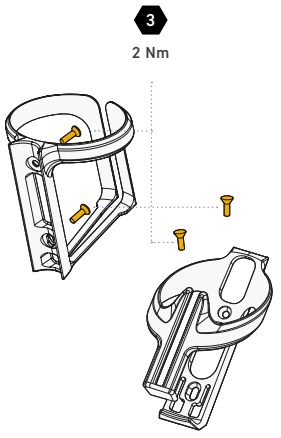
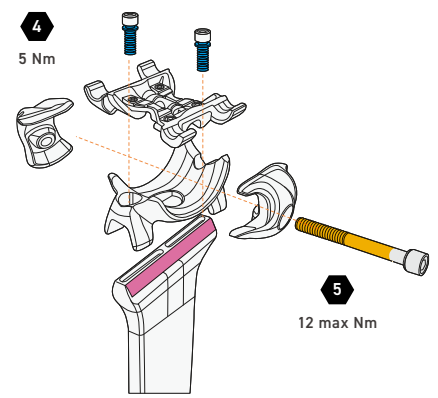
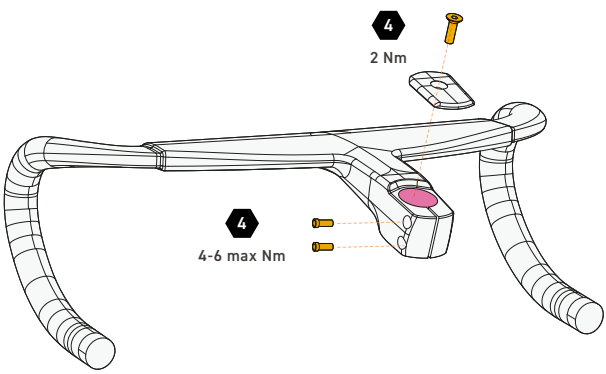
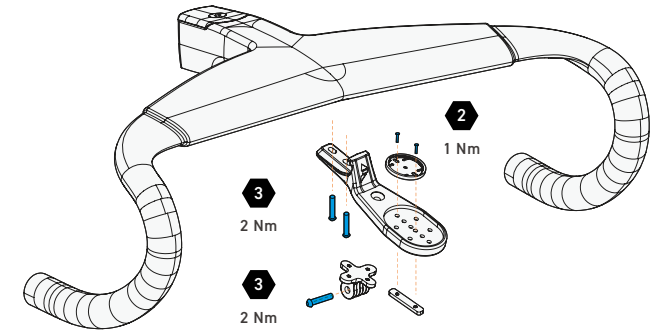
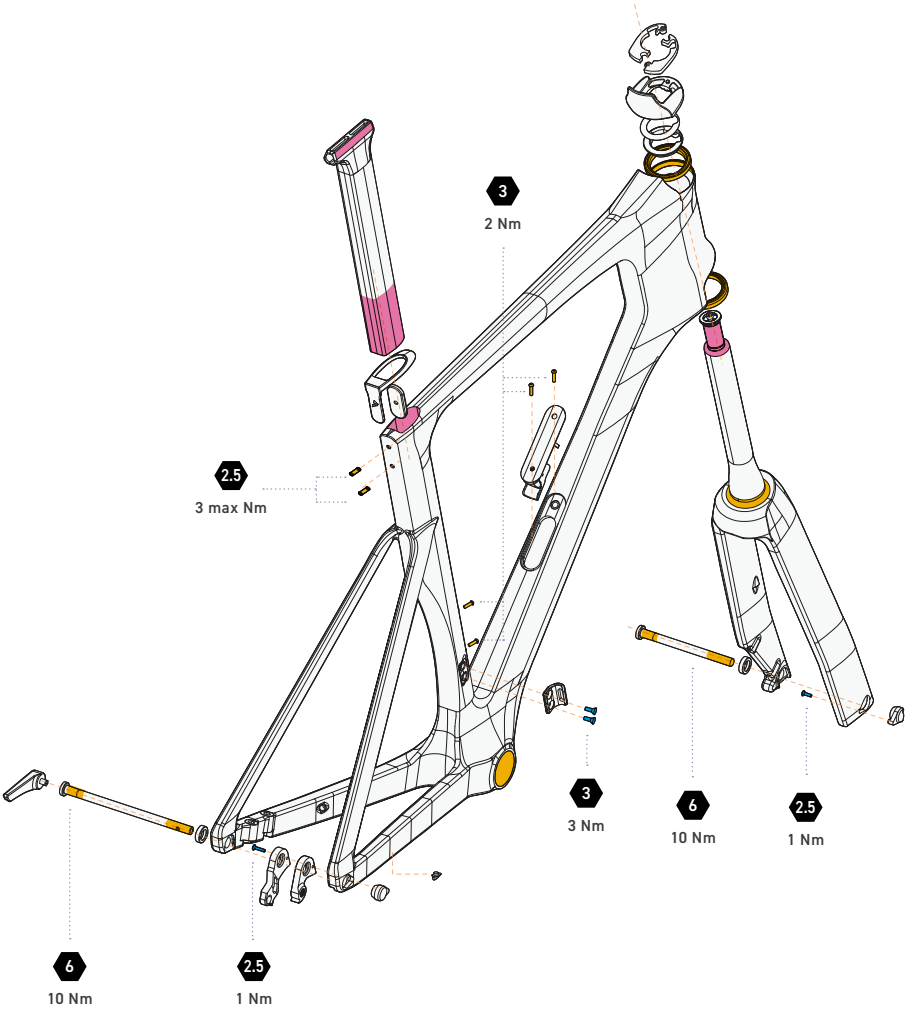
Greasel

 C

Carbon paste

 L

Loctite



 To prevent galling of the titanium screws, we recommend applying copper-based anti-seize grease.

 The SRAM AXS eTAP does not have a rear derailleur cable, and its brake cables follow the same routing as this diagram.

ASSEMBLY INFORMATION

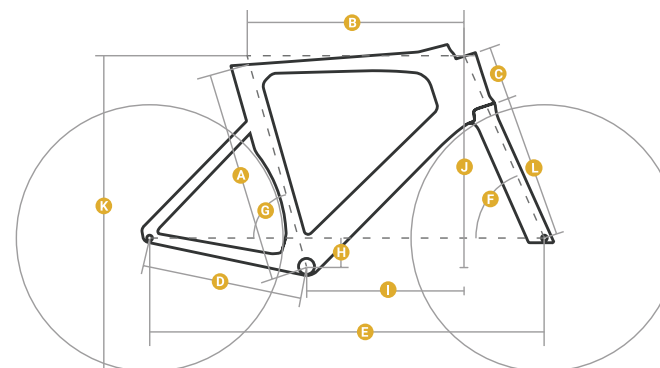
1 Tools Needed

- **Bottom bracket bearing press**
For installing or removing bottom bracket bearings, we recommend Park Tool BBP-1.2
 - **Greasel**
Prevents abnormal sounds
 - **Carbon paste**
Increases surface friction and prevents abnormal sounds
 - **Loctite**
Locks screw threads (prevents loosening)
 - **Gloves and cleaning agents**
To prevent grease stains
-  All assembly procedures must follow the specified torque values and assembly compound application instructions.



2 Sizing

Every DARE model follows a linear reach/stack proportion, providing suitable sizes for every rider. Please have all geometry related information prepared before assembly.

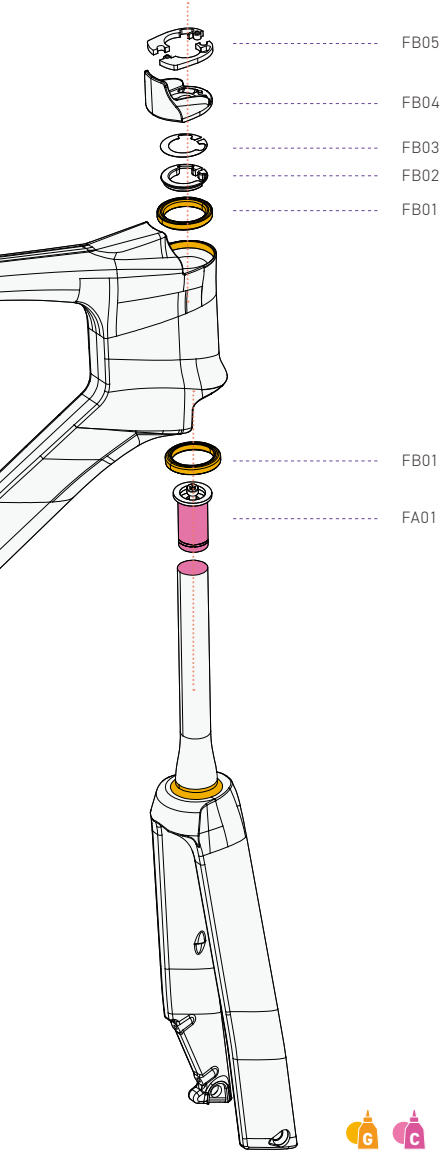


Frame size	2XS	XS	S	M	L	XL
Height (cm)	158	164	170	175	182	186
	168	174	180	185	192	200
A ST length	480	500	520	540	560	580
B Effective TT	507	519	544	562	580	598
C HT length	77	96	117	138	161	181
D RC length	410	410	410	410	410	410
E Wheelbase	967	982	997	1015	1030	1048
F HT angle	71	71.5	72	72	72.5	72.5
G ST angle	74	74	74	74	74	74
H BB drop	75	75	73	73	70	70
I Reach	372	383	395	407	419	431
J Stack	480	500	520	541	561	580
K Standover	730	749	770	790	812	831
L Fork length	369	369	370	370	370	370



Check out www.dare-bikes.com/frame-sizing for a quick guide to sizing, but please read and confirm all frame specs carefully before assembly. Contact authorized DARE retailers for professional sizing and fitting services.

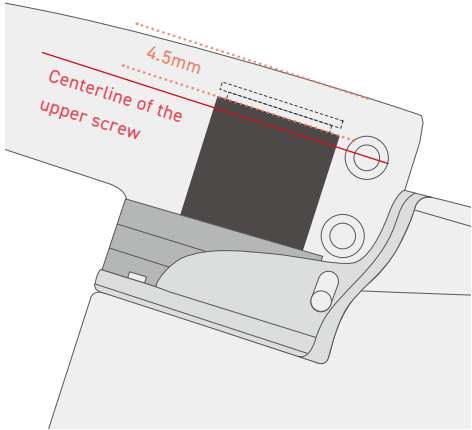
3 Fork Length and Headset Components



Step 3.1 Prepare the frame, fork, headset bearings, headset cap, headset washers, stem, and handlebar, and confirm the number of headset washers needed below the stem.

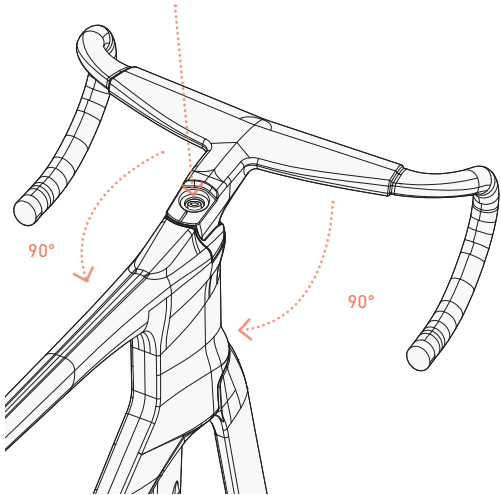
i Thin 0.2mm headset washers are provided in case more clearance is needed, they can be excluded or included as the situation requires.

No.	Item Name	Qty
FA01	Plug expander	1
FB01	Headset bearing $\varnothing 40 * \varnothing 52 * 7$ mm, $-45^{\circ} * 45^{\circ}$	2
FB02	Headset compression ring	1
FB03	0.2mm headset washer	3
FB04	Headset - SP frame cap	1
FB05	5mm headset spacer	10



Step 3.2 Make sure that the fork, headset components, and stem fit together properly. Mark a line on the fork at the top surface of the stem, you'll be trimming the tube at 4.5mm below this line. This leaves just enough space for the headset cap (and includes the height of the fork plug expander).

- !** To ensure a secure grip on the fork, do not trim the steerer tube lower than the center axis of the stem's upper screw.
- i** Test fit the fork and related components before trimming so that you don't potentially over-trim the fork.

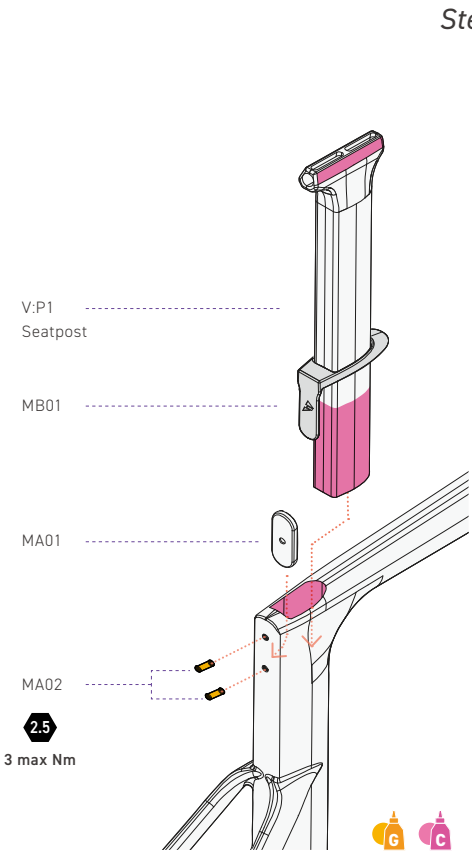


- i** After the handlebar is installed, its turning range is limited to 90 degrees to the left and right relative to the top tube.
- !** The plug expander must be tightened to the specified torque only after the stem has been installed, in order to avoid over-expansion. (For details see Step 6)
- !** Please use the plug expander [FA01] provided and tighten to the specified torque, this plug expander is specifically for carbon tubes. Do not use star nut expanders, as they will damage the carbon fiber tube, which could lead to serious rider injury.

4 V:P1 Seatpost Components and Installation

V:P1 is the aerodynamic seatpost for VA-AFO and features a Ritchey single-bolt clamp for easy saddle angle adjustment. It supports a maximum torque of 12 Nm and offers 30 mm of setback adjustment within a 70 to 76 degree range.

Installing the Seatpost



Step 4.1 Place the [MB01] seatpost waterproof cover on top of the M:P1 seatpost.

4.2 [MA01] is a magnetic hidden clip that attaches to the inner rear wall of the seat tube.

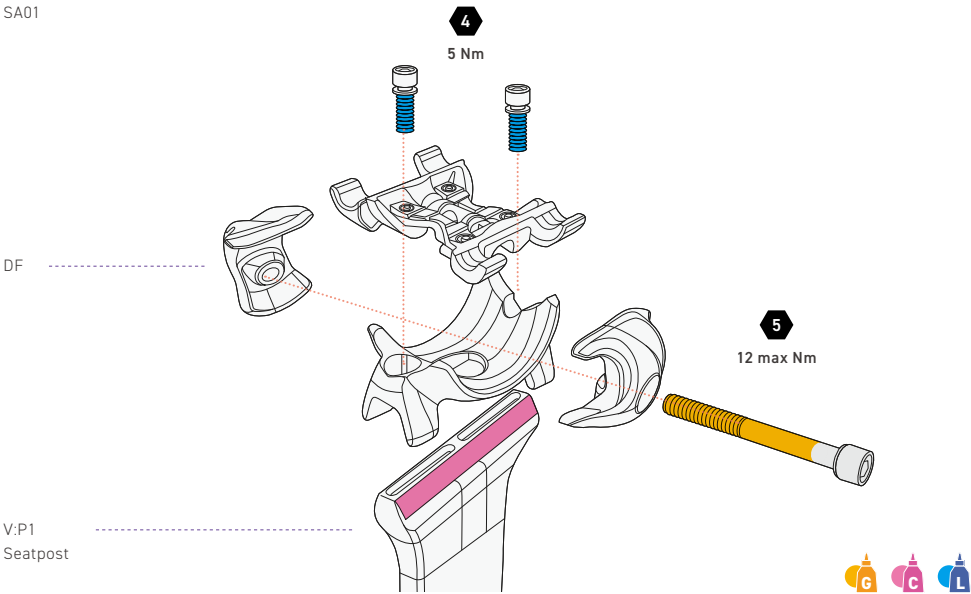
4.3 After inserting the V:P1 seatpost, it can be secured with the [MA02] headless screw. Maximum torque is 3 Nm.

! The seatpost clamp must be tightened to the specified torque, if it is too loose the seatpost may move around, if it is too tight the carbon fiber may crack or become stuck and unable to be removed.

! V:P1 must be inserted to a minimum depth of 90mm, make sure to reach at least 90mm for a stable connection.

No.	Item Name	Qty
MA01	Magnetic seatpost clamp	1
MA02	Seatpost clamp set screw M5 * 10 * 10 mm	2
MB01	Seatpost waterproof cover	1

Saddle Clamp Parts



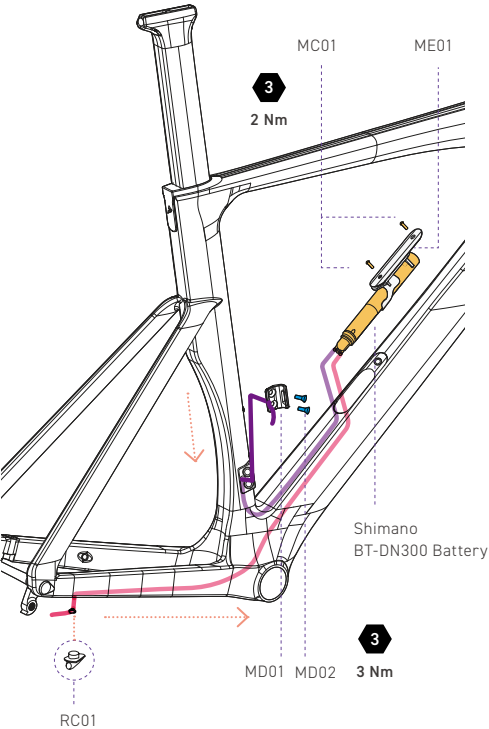
No.	Item Name	Qty
SA01	Saddle clamp kit	1

i Use the appropriate seat rail clamp for your rail material. The frameset comes with carbon rail inserts (DF). For metal rail inserts (CF), please contact an official DARE retailer.

! Tighten the front and rear setback bolts to 5 Nm. Regularly check the torque on both setback and seat rail clamp bolts.

5 Installing the Cable Systems

Shimano Di2 Electronic Shifting Cables



No.	Item Name	Qty
MC01	Bottle cage stainless round screw M5 * 15 * 12 mm	2
MD01	FD mount	1
MD02	FD mount flat screw M5 * 16 * 12 mm	2
ME01	Di2 battery mount	1
RC01	Di2 circle grommet	1
	Shimano EW-SD300 1200mm cable (rear derailleur)	1
	Shimano EW-SD300 600mm cable (front derailleur)	1

Step 5.1 Rear Derailleur Installation:
Use the EW-SD300 wire (1200mm), routed through the right chainstay entry port. Insert the [RC01] Di2 circular grommet (EW-GM300-M) at the exit.

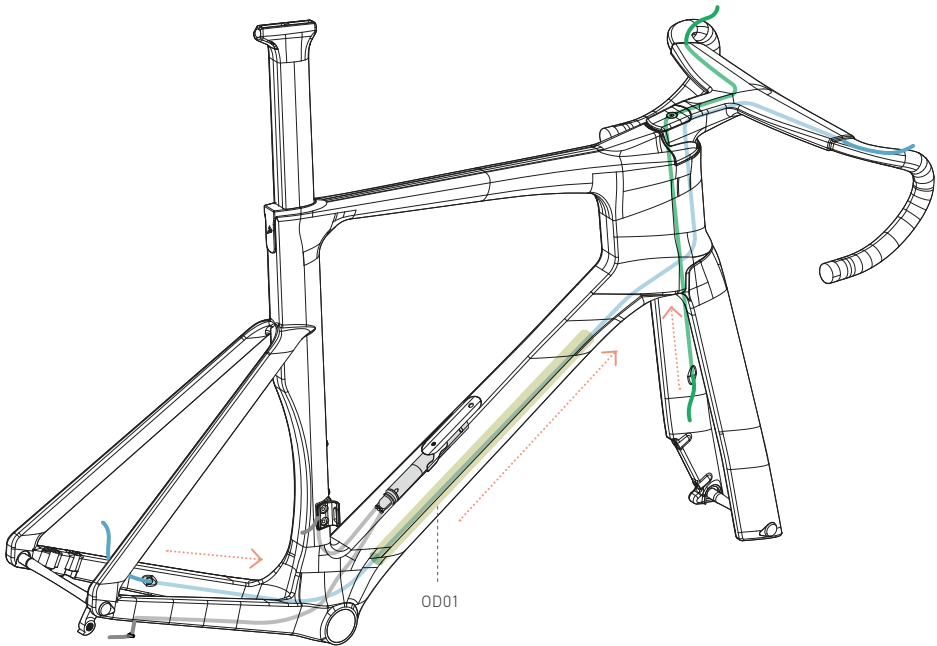
5.2 Front Derailleur Installation:
Use the EW-SD300 wire (600mm). Remove the pre-installed [MD01] FD mount, route the wire through the mount's exit port into the downtube, then reattach the [MD01] (recommended torque: 3 Nm).

5.3 Insert the Shimano BT-DN300 battery into [ME01] battery holder, connect the front and rear derailleur wires, reinstall the holder into the downtube, and tighten the fixing screw (recommended torque: 2 Nm).

i Shimano Di2 shifters are wireless, therefore there is no need to connect shifter cables to the handlebars.

i SRAM AXS eTap is a fully wireless system, therefore there is no need to install any shifter cables.

Brake Cables



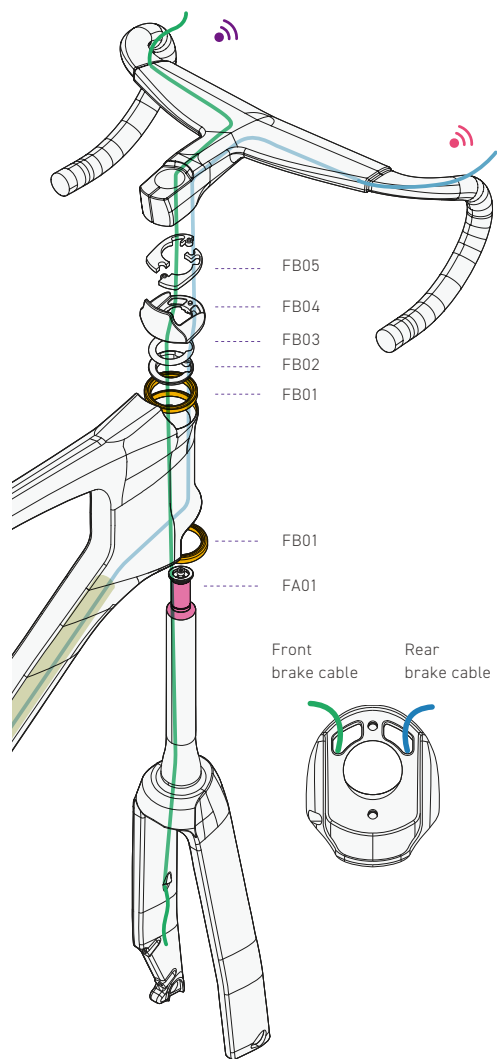
Step 5.4 Rear brake cable: Route the rear brake cable through the left chainstay, running through the bottom bracket and exiting through the top of the head tube. Cut a [OD01] foam cable sleeve to a similar length as the down tube, slide onto the cable, and adjust the sleeve's position to sit inside the down tube.

No.	Item Name	Qty
OD01	Churro foam cable sleeve	1
	Front brake cable	1
	Rear brake cable	1

5.5 Front brake cable: Route the front brake cable through the left fork leg and out the steerer, and then through [FB01] the bottom headset bearing and attach both to the head tube.

! Before trimming the brake cables, check that left and right steering is completely smooth and unrestricted by crossed or overly short cables.

i The [OD01] foam cable sleeve must be installed to prevent abnormal noise from the cable while riding.



Step 5.6 In the correct order, thread the [FB01] top headset bearing, [FB02] headset compression ring, [FB04] headset cap, and [FB05] headset spacer onto the steerer tube and brake cables. The brake cables then enter the AERO1v stem from its bottom cable holes, and come out through the ends of each handlebar with the help of a cable routing kit.

The [FB02] headset compression ring, [FB04] headset cap, [FB05] headset spacer, and V:C1 stem all have left and right cable indents. The indents on the left are for the front brake cable, and the indents on the right are for the rear brake cable.

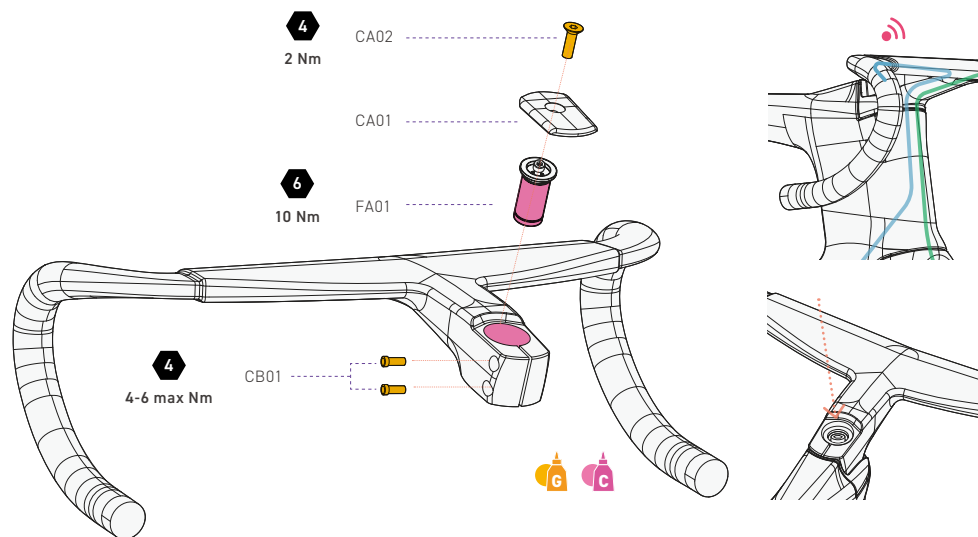
- i** Thin [FB03] 0.2mm headset washers are provided in case more clearance is
- i** The [FB05] spacer splits left and right, allowing stem height adjustment without rerouting brake cables.
- i** VA-AFO comes with CeramicSpeed SLT stainless steel headset bearings that have a lifetime warranty, the dimensions are $\varnothing 40 \times \varnothing 52 \times 7\text{mm}$, $-45^\circ \times 45^\circ$, 1.5".
- !** Shimano 160mm rear rotors are not compatible with XXS and XS sizes due to aero design limits.

! Brake routing is standard as right-rear and left-front. If reversed to right-front and left-rear, please ensure compliance with the brake manufacturer's specifications.



6 Installing the V:C1 Integrated Handlebars

DARE aero carbon fiber cockpit is made of DGTM, Torayca® carbon fibers an internal cable hole. It represents an accumulation of precise calculations across each curve, utilizing a flattened top shape that enhances aerodynamic performance while providing more stiffness and comfort for cruising.



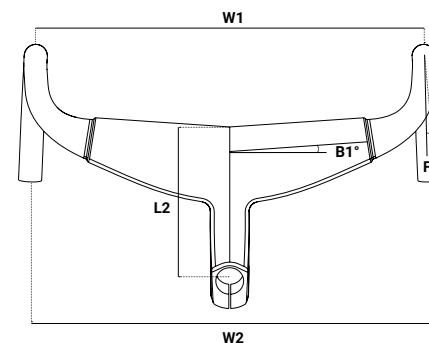
! The side bolts for securing the stem should be torqued to 4–6 Nm. The top cap bolt should be tightened to 2 Nm. Grease must be applied to all bolts.

! The expander plug is designed specifically for the VA-AFO carbon steerer tube. Do not use expanders from other brands.

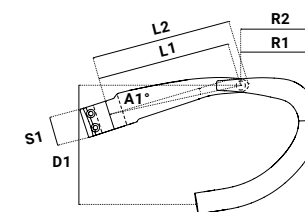
i V:C1 only provides internal routing for brake cables and is therefore compatible with wireless shifting systems only. For wired Di2 installation, please consult a certified DARE dealer or technician.

No.	Item Name	Qty
FA01	Plug expander	1
CA01	Stem top cap	1
CA02	Stem flat screw M6 * 35 * 31.5 mm	1
CB01	Stem socket screw M5 * 17 * 12 mm	2

Geometry Code



i These handlebars only accommodate electronic shifting.



i Please pay special attention when measuring L1.

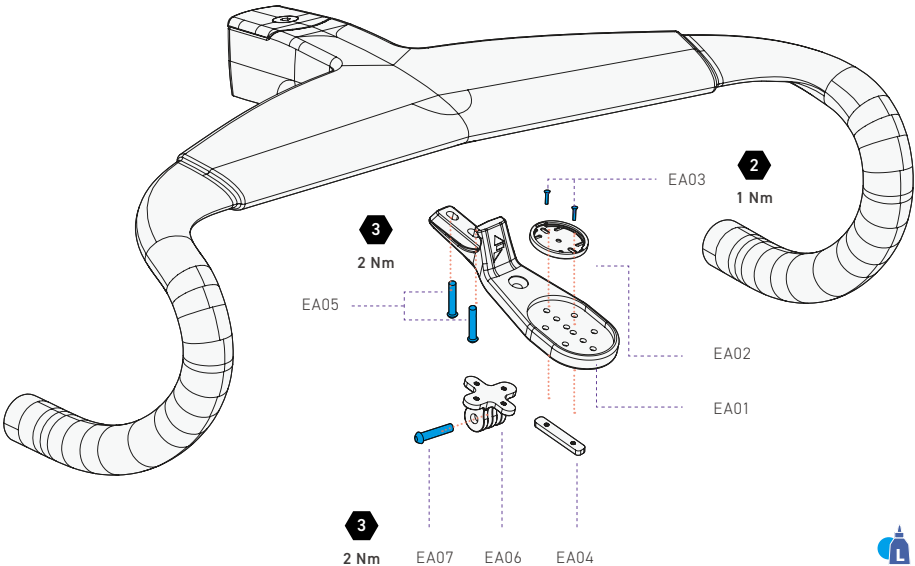
Size (mm)	34	36	38	40	42
W1 Hood-to-hood	340	360	380	400	400
W2 Drop-to-drop	352	372	392	412	432
R1 Reach	80	80	80	80	80
R2 Reach	92	92	92	92	92
D1 Drop	134	134	134	134	134
F1 Drop flare	3	3	3	3	3
B1 Backsweep	-4	-4	-4	-4	-4
A1 Angle	-6	-6	-6	-6	-6
S1 Stack	33	33	33	33	33
L1 Stem length*	90 · 100 110 · 120	90 · 100 · 110 · 120 130 · 140 · 150*	100 · 110 · 120 130 · 140 · 150*	100 · 110 · 120 130 · 140 · 150*	100 · 110 · 120 130 · 140 · 150*
L2 Stem length	106 · 116 126 · 136	106 · 116 · 126 136 · 146 · 156 · 166	106 · 126 · 136 146 · 156 · 166	106 · 126 · 136 146 · 156 · 166	106 · 126 · 136 146 · 156 · 166

* L1 stem length = the center of the stem clamp to the center of the handlebar tube at the front, or L2 minus 7mm.

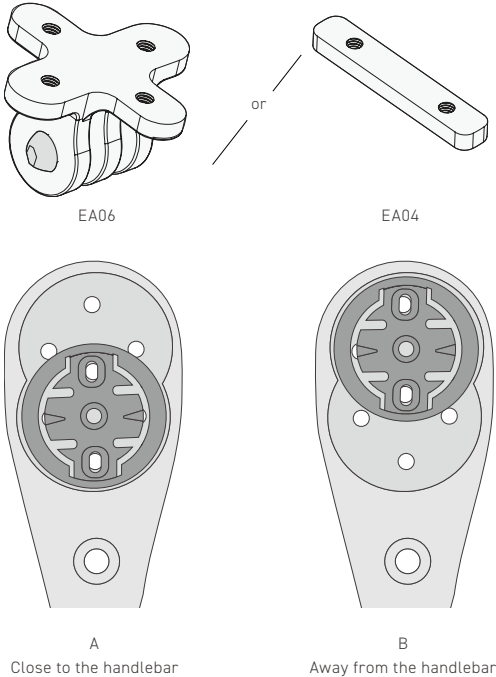
* L1 stem lengths marked in orange indicate special sizes.

7 Installing Mounts on the V:C1 Integrated Handlebars

V:C1 comes standard with a screw-on computer mount (a carbon fiber version is available at additional cost), and is compatible with Garmin/Wahoo/Bryton computers as well as GoPro cameras and lights.



No.	Item Name	Qty	No.	Item Name	Qty
EA01	V:C1 computer mount	1	EA05	Computer mount socket screw M4 * 20 * 18 mm	2
EA02	Computer mount adapter	1	EA06	GoPro mount adapter	1
EA03	Adapter flat screw M3 * 8 * 5 mm	2	EA07	GoPro mount round screw M5 * 23 * 20 mm	1
EA04	Adapter mount	1			



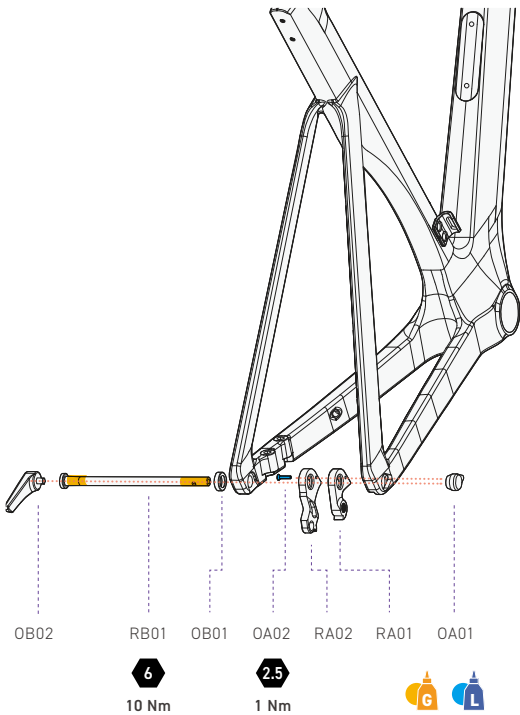
i V:C1's standard computer mount may have a slightly different configuration depending on your purchase date, if you need a specific version please contact your local authorized DARE retailer before purchasing.

! Please be sure to attach your computer's safety lanyard onto the handlebars, this will help minimize damage to the computer in case of a collision or accident.

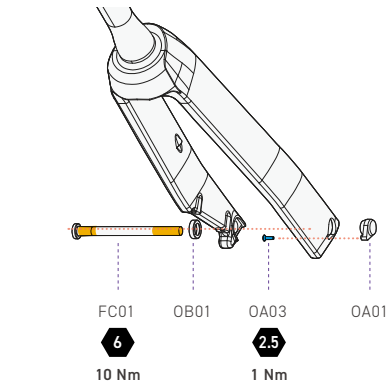


- Step 7.1** VA-AFO comes with a [EA02] computer mount adapter for Garmin systems, Wahoo and Bryton systems are available for purchase as well.
- 7.2** The [EA06] bottom mount adapter fits GoPro cameras or lights, or can also be switched out for [EA04] an adapter mount.
- 7.3** There are two positions to attach the computer depending on its size:
A: Closer to the handlebars
B: Farther away from the handlebars (suitable for larger computers such as the GARMIN 1050)
- 7.4** A carbon fiber mount is available at additional cost, please contact DARE or your local authorized DARE retailer if you would like to purchase this version.

8 Installing Derailleur Hangers and Thru Axles

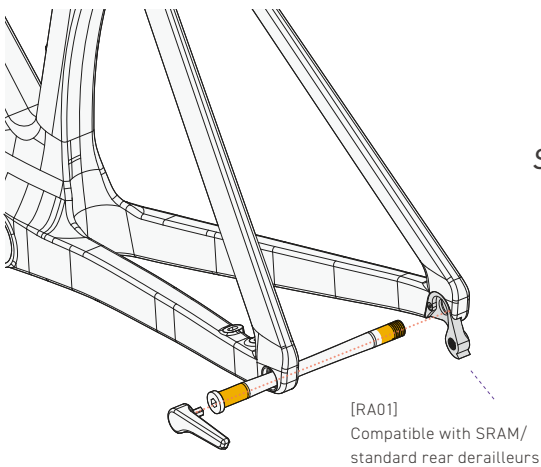


No.	Item Name	Qty
OA01	Thur axle nut	2
OA02	Axle mount flat screw M3 * 13 * 11 mm	1
OA03	Axle mount flat screw M3 * 10 * 8 mm	1
OB01	Thru axle spacer	2
OB02	Carbon axle lever	1
RA01	Standard hanger	1
RA02	Direct mount hanger (Shimano)	1

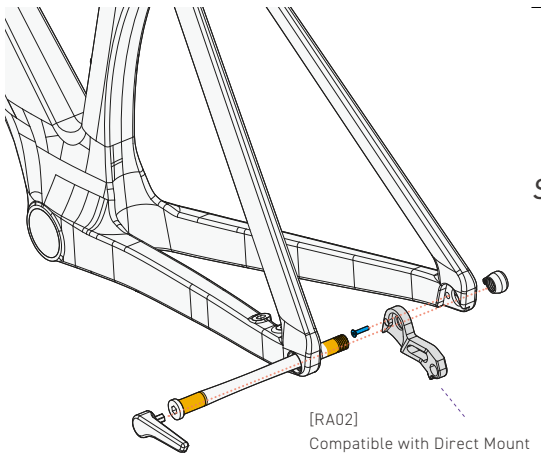


- i** VA-AFO does not have the UDH system.
- i** VA-AFO comes with a carbon fiber thru axle tool, make sure the tool has been removed from the bike before riding to avoid losing it.
- i** When installing or removing the thru axle, make sure the tool is fully inserted before applying torque to avoid thread damage.

No.	Item Name	Qty
FC01	Front thru axle Ø12*116mm P1.5 Torque should be 10Nm	1
RB01	Rear thru axle Ø12*162mm P1.5 Torque should be 10Nm	1



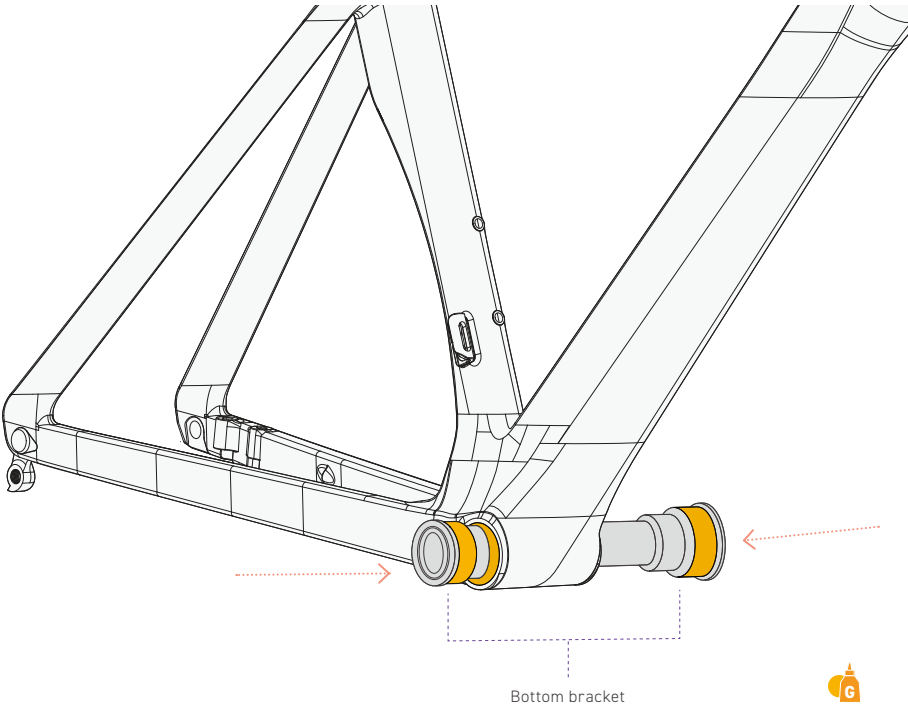
Step 8 VA-AFO comes with a [RA01] standard hanger compatible with SRAM and other standard rear derailleurs.



Step 8 We also have [RA02] direct mount hanger option, compatible with Shimano's direct mount rear derailleurs. During installation please refer to Shimano's instruction manual to remove the rear derailleur and its related components.

9 Installing the Bottom Bracket

VA-AFO uses a Press Fit bottom bracket (Press Fit 86.5mm).

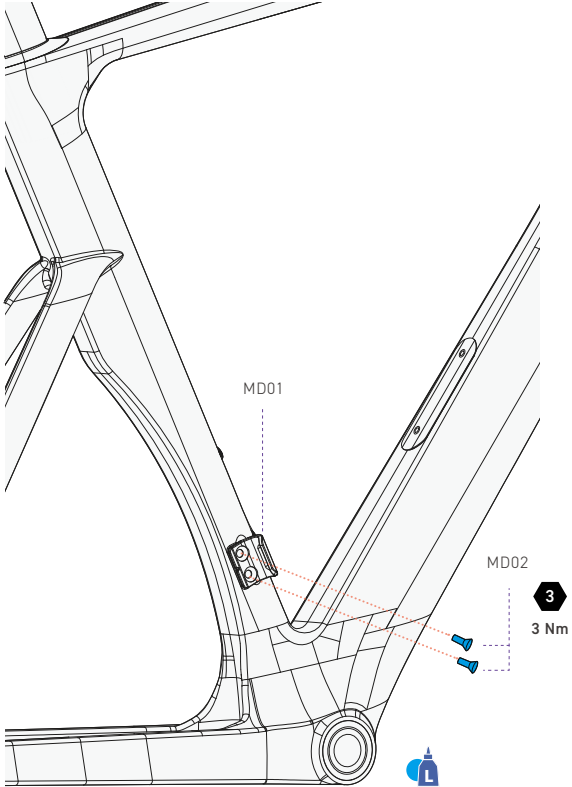


! To avoid damaging the frame and bottom bracket, please use a bottom bracket bearing press when installing the bottom bracket. When using the bottom bearing bracket press, follow the press manufacturer's instruction manual.

! Please make sure the bottom bracket is completely pressed into the frame and there is no space between the two. We recommend that this part be installed by a professional bike shop.

i The precise tolerance between the frame and bottom bracket may cause loud squeaking sounds to occur when installing the Press Fit bottom bracket, this is completely normal.

10 Installing the Front Derailleur



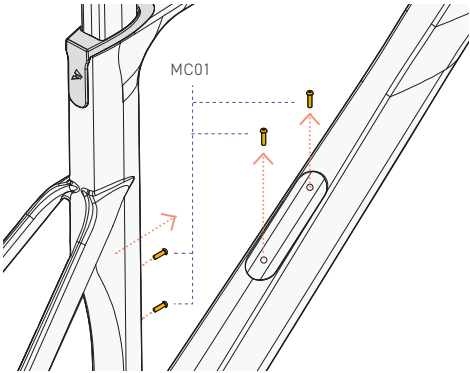
· A front derailleur mount compatible with 58T is also available for purchase.

! [MD01] FD mount is compatible with Shimano and SRAM direct mount front derailleurs, please follow the manufacturer's instruction manual to install the front derailleur spacers.

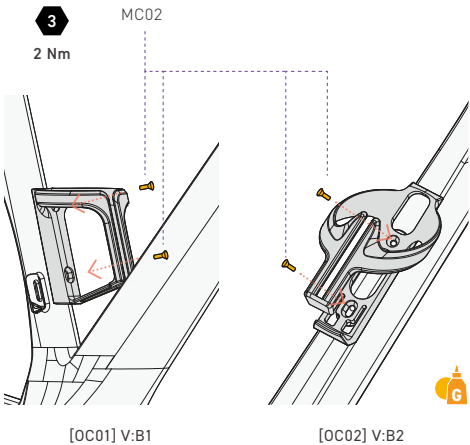
i This FD mount is suitable for 46~54T chainrings. You can also purchase our extended FD mount version for 52~58T chainrings, please contact an authorized DARE retailer to purchase.

No.	Item Name	Qty
MD01	FD mount	1
MD02	FD mount flat screw M5 * 16 * 12 mm	2

11 Installing V:B1/ V:B2 Bottle Cages



Step 11.1 Before installing, please unscrew the [MC01] bottle cage round stainless screws from the frame.



11.2 Use the [MC02] bottle cage flat titanium screws and tighten to 2Nm.

11.3 We recommend installing the [OC01] ST aero bottle cage before the [OC02] DT aero bottle cage, this leaves more space for using the torque wrench.

i V:B1/V:B2 are specially designed aero bottle cages, and may not be able to securely fit all types of water bottles. To avoid damage to your water bottle, please make sure fits securely in the V:B1/V:B2 bottle cages before riding.

! To prevent galling of the titanium screws, we recommend applying copper-based anti-seize grease.

No.	Item Name	Qty
MC01	Bottle cage stainless round screw M5 * 15 * 12 mm	4
MC02	Bottle cage flat titanium screw M5 * 15 * 12 mm	4
OC01	V:B1 ST aero bottle cage	1
OC02	V:B2 DT aero bottle cage	1