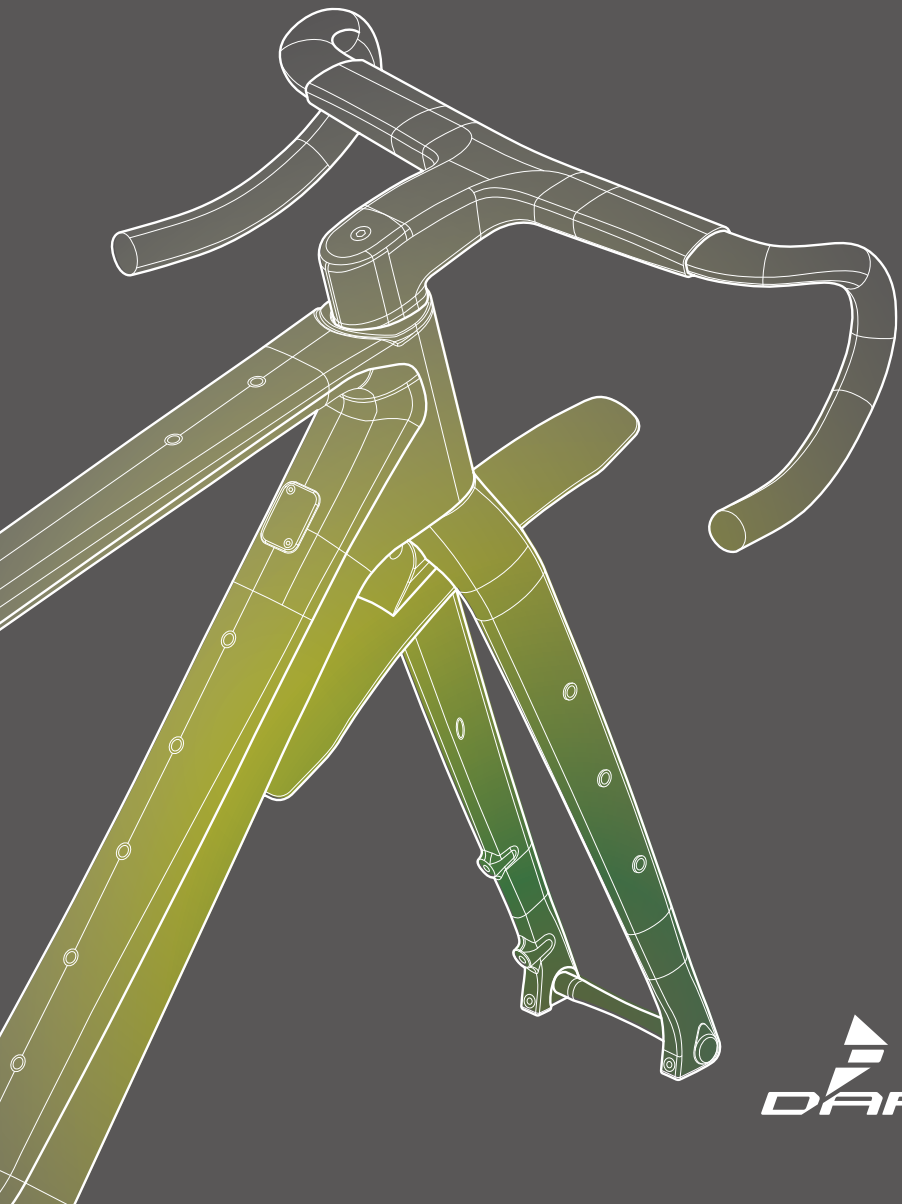
GA
ASSEMBLY MANUAL

GRAVEL ACE



DARE

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.

CONTENTS

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

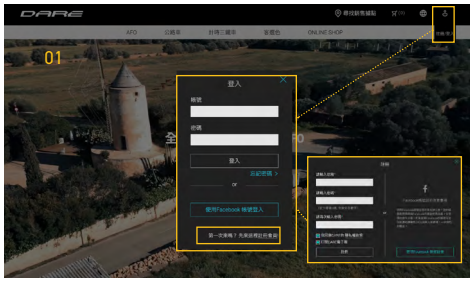
UV rays, rainwater, humidity, seawater, mud, sweat, and heat can all cause damage to your bike's paint, frame, or individual parts, and reduce its lifespan. Proper storage of your bike will be away from UV rays, in a clean, cool, and dry environment. If the bike has been used in an environment with high 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.

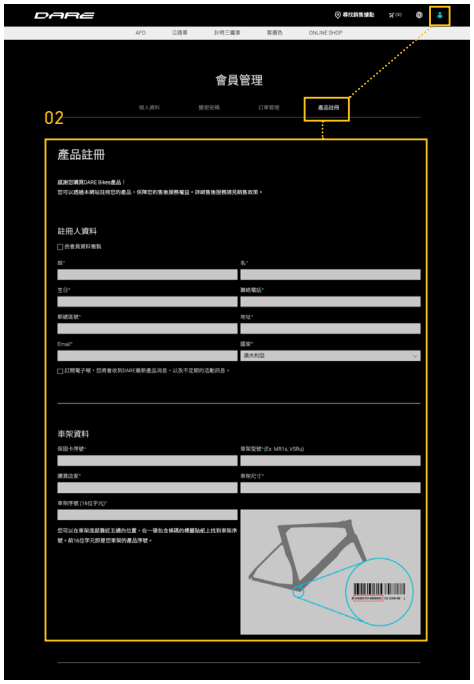
4. Warranty claims

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

Greasel
Prevents abnormal sounds

Carbon paste
Increases surface friction and prevents abnormal sounds

Loctite
Locks screw threads (prevents loosening)

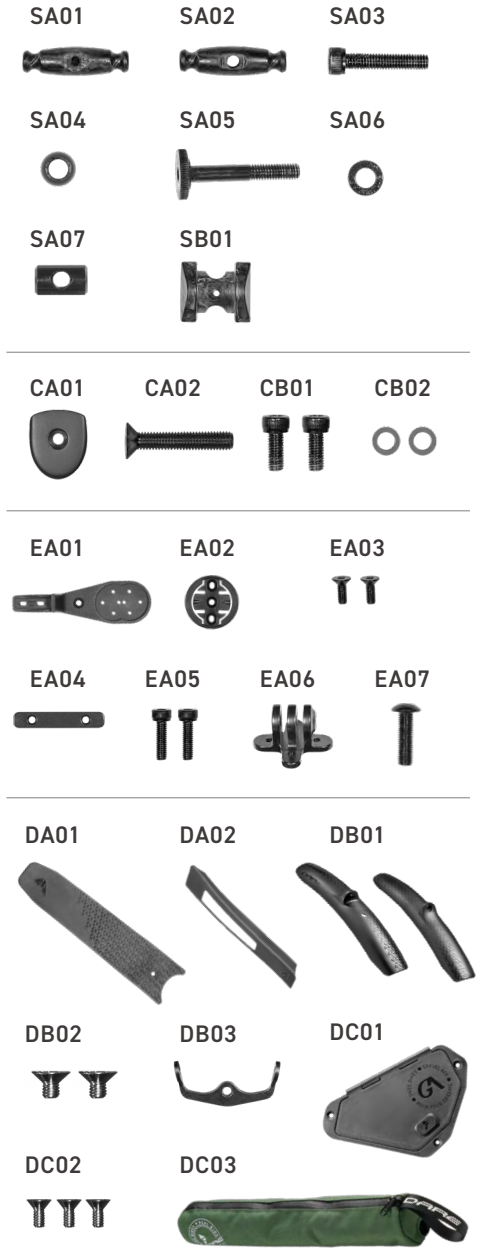
FRAMESET SPECS

FRAME	DARE GA MS-HMC Toray® carbon frame
FRAME SIZE	XS / XS / S / M / L / XL / 2XL
FORK	DARE GA MS-HMC Toray® carbon fork, 50c max tyre clearance
SEATPOST	DARE M:P2 carbon seatpost 27.2 x 300/350 mm, 5/15/25 mm setback
WEIGHT	Frame: 1125g (M size, raw) + 275g (frame parts) (± 80g) Fork: 415g (raw) + 35g (fork parts) Seatpost: 120g (300mm) + 62g (assembly parts)
COLORS	Barley White, Forest Green, MYDARE custom colors
HEADSET	Upper and lower 1.5”, 8mm thickness, 45°, blue coating
SPACER	Black plastic spacer for G:C1, 1.125", 5mm thickness (6 pcs)
FORK STEERER TUBE	Tapered 1 1/8” - 1 1/2”
FORK LENGTH	400mm
WHEEL SIZE	700C
MAXIMUM TYRE WIDTH	50C
BOTTOM BRACKET	Press Fit 86.5, internal diameter 41mm
FRONT DROPOUTS	12x100mm with DARE thru axle 12x121mm, p1.5, max 10Nm.
REAR DROPOUTS	12x142mm with DARE thru axle 12x166mm, p1.0, max 10Nm.
AXLE LEVER	-
MINIMUM SEATPOST INSERTION	90mm
MAXIMUM SEATPOST INSERTION	XS 139mm, S 160mm, M 180mm L 200mm, XL 220mm, XXL 240mm
FRONT DERAILLEUR MOUNT	Available remove, 3 Nm.
MINIMUM CHAINRING (2X)	Standard FD mount: 30T
MAXIMUM CHAINRING SIZE RANGE (2X)	Standard FD mount: 54T
REAR DERAILLEUR HANGER	UDH derailleurs direct mount
BRAKE	Disc flat mount, 160mm (180mm with adapter)
CABLE ROUTING	Shifter: available internal mechanical & electronic 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	Yes
RACKS	Yes
UCI LEGAL	No

COMPONENTS

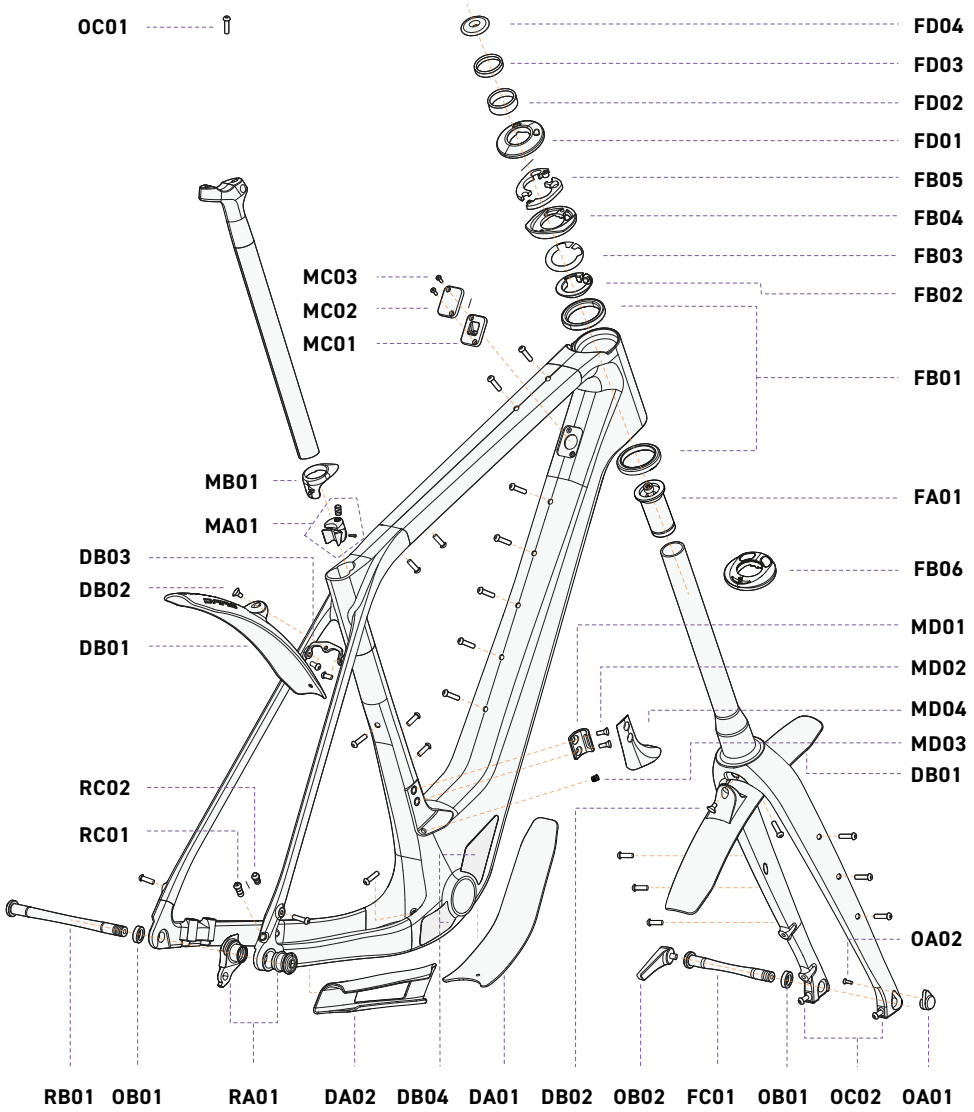
No.	Item Name	Qty
FA01	Plug expander	*1*
FB01	Headset bearing Ø40 * Ø52 * 7 mm	*2*
FB02	Headset compression ring	*1*
FB03	0.2mm headset washer	*2*
FB04	Headset - SP frame cap	*1*
FB05	5mm headset spacer	*6*
FB06	Headset - ST frame cap	*1*
FC01	Front thru axle	*1*
FD01	Headset - alloy stem frame cap	*1*
FD02	10mm carbon spacer	*3*
FD03	5mm carbon spacer	*1*
FD04	Alloy stem top cap	*1*
MA01	Seatpost wedge	*1*
MB01	Seatpost waterproof cover	*1*
MC01	Downtube mechanical cable guide	*1*
MC02	Downtube cable cover	*1*
MC03	Flat head screw M3 * 8 * 5 mm	*2*
MD01	FD mount	*1*
MD02	FD mount flat screw M5 * 16 * 12 mm	*2*
MD03	Cable hole cover	*1*
MD04	Single chainring FD cover	*1*
RA01	UDH hanger	*1*
RB01	Rear thru axle	*1*
RC01	Di2 grommet	*1*
RC02	Mechanical shift cable grommet	*1*
OA01	Thur axle nut	*1*
OA02	Axle mount flat screw M3 * 13 * 11 mm	*1*
OB01	Thru axle spacer	*2*
OB02	Alloy axle lever	*1*
OC01	Mount round screw M5 * 15 * 12 mm	*22*
OC02	Round screw M5 * 10.5 *8 mm	*4*
OD01	Churro foam cable sleeve	*1*

No.	Item Name	Qty
SA01	Rear saddle wedge (screw thread)	*1*
SA02	Front saddle wedge (thru hole)	*1*
SA03	Rear saddle wedge socket screw M6 * 36 * 30 mm	*1*
SA04	4mm spacer	*1*
SA05	Front saddle wedge screw M6 * Ø18 * 44 mm	*1*
SA06	1mm spacer	*1*
SA07	Seatpost barrel nut	*1*
SB01	Saddle clamp base	*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*
CB02	1mm spacer	*2*
EA01	G:C1 computer mount	*1*
EA02	Computer mount adapter	*1*
EA03	Adapter flat screw M3 * 8 * 5 mm	*2*
EA04	Adapter mount	*1*
EA05	Computer mount socket screw M4 * 18 * 14 mm	*2*
EA06	GoPro mount adapter	*1*
EA07	GoPro mount round screw M5 * 23 * 20 mm	*1*
DA01	Downtube protector	*1*
DA02	Chainstay protector	*1*
DB01	Mudguard	*2*
DB02	Mudguard flat screw M4 * 8 * 5 mm	*2*
DB03	Rear mudguard bridge	*1*
DC01	BB storage cap	*1*
DC02	BB storage cap flat screw M4 * 8 * 5 mm	*3*
DC03	Di2-integrated toolbag	*1*



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

FRAMESET COMPONENTS



No.	Item Name	Qty
DA01	Downtube protector	*1*
DA02	Chainstay protector	*1*
DB01	Mudguard	*2*
DB02	Mudguard flat screw M4 * 8 * 5 mm	*2*
DB03	Rear mudguard bridge	*1*

GA 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.

No.	Item Name	Qty
FA01	Plug expander	*1*
FB01	Headset bearing Ø40 * Ø52 * 7 mm	*2*
FB02	Headset compression ring	*1*
FB03	0.2mm headset washer	*2*
FB04	Headset - SP frame cap	*1*
FB05	5mm headset spacer	*6*
FB06	Headset - ST frame cap	*1*
FC01	Front thru axle	*1*
FD01	Headset - alloy stem frame cap	*1*
FD02	10mm carbon spacer	*3*
FD03	5mm carbon spacer	*1*
FD04	Alloy stem top cap	*1*
MA01	Seatpost wedge	*1*
MB01	Seatpost waterproof cover	*1*
MC01	Downtube mechanical cable guide	*1*
MC02	Downtube cable cover	*1*
MC03	Flat head screw M3 * 8 * 5 mm	*2*
MD01	FD mount	*1*
MD02	FD mount flat screw M5 * 16 * 12 mm	*2*
MD03	Cable hole cover	*1*
MD04	Single chainring FD cover	*1*
RA01	UDH hanger	*1*
RB01	Rear thru axle	*1*
RC01	Di2 grommet	*1*
RC02	Mechanical shift cable grommet	*1*
OA01	Thur axle nut	*1*
OA02	Axle mount flat screw M3 * 13 * 11 mm	*1*
OB01	Thru axle spacer	*2*
OB02	Alloy axle lever	*1*
OC01	Mount round screw M5 * 15 * 12 mm	*22*
OC02	Round screw M5 * 10.5 *8 mm	*4*

TORQUE SPECS CHART

Position	No.	Item Name	Allen Key Size (mm)	Torque Value (Nm)	Assembly Compound
Handlebar	CA02	Stem flat screw M6 * 35 * 31.5 mm	4	2	G
Handlebar	CB01	Stem socket screw M5 * 17 * 12 mm	4	4-6max	G
Frameset & Fork	OC01	Mount round screw M5 * 15 * 12 mm	3	2	G
Frameset & Fork	OC02	Round screw M5 * 10.5 *8 mm	3	2	G
Frameset	MD02	FD mount flat screw M5 * 16 * 12 mm	3	3	L
Frameset	RA01	UDH hanger	8	25	-
Frameset	RB01	Rear thru axle	6	10	G
Frameset	MC03	Flat head screw M3 * 8 * 5 mm	2	2	L
Frameset	DB02	Mudguard flat screw M4 * 8 * 5 mm	3	2	L
Frameset	DC02	BB storage cap flat screw M4 * 8 * 5 mm	2.5	2	L

Position	No.	Item Name	Allen Key Size (mm)	Torque Value (Nm)	Assembly Compound
Fork	OA02	Axle mount flat screw M3 * 13 * 11 mm	2.5	1	L
Fork	FA01	Plug expander	6	10	C
Fork	FC01	Front thru axle	6	10	G
Seatpost	MA01	Seatpost wedge (M3 * 11 * 8 mm)	2.5	2	G
Seatpost	MA01	Seatpost wedge (M8 * 12 * 12 mm)	4	5-7	G
Seatpost	SA03	Rear saddle wedge socket screw M6 * 36 * 30 mm	5	6-8	G
Seatpost	SA05	Front saddle wedge screw M6 * Ø18 * 44 mm	4	-	G
Computer mount	EA03	Adapter flat screw M3 * 8 * 5 mm	2	1	L
Computer mount	EA05	Computer mount socket screw M4 * 18 * 14 mm	3	2	L
Computer mount	EA07	GoPro mount round screw M5 * 23 * 20 mm	3	2	L

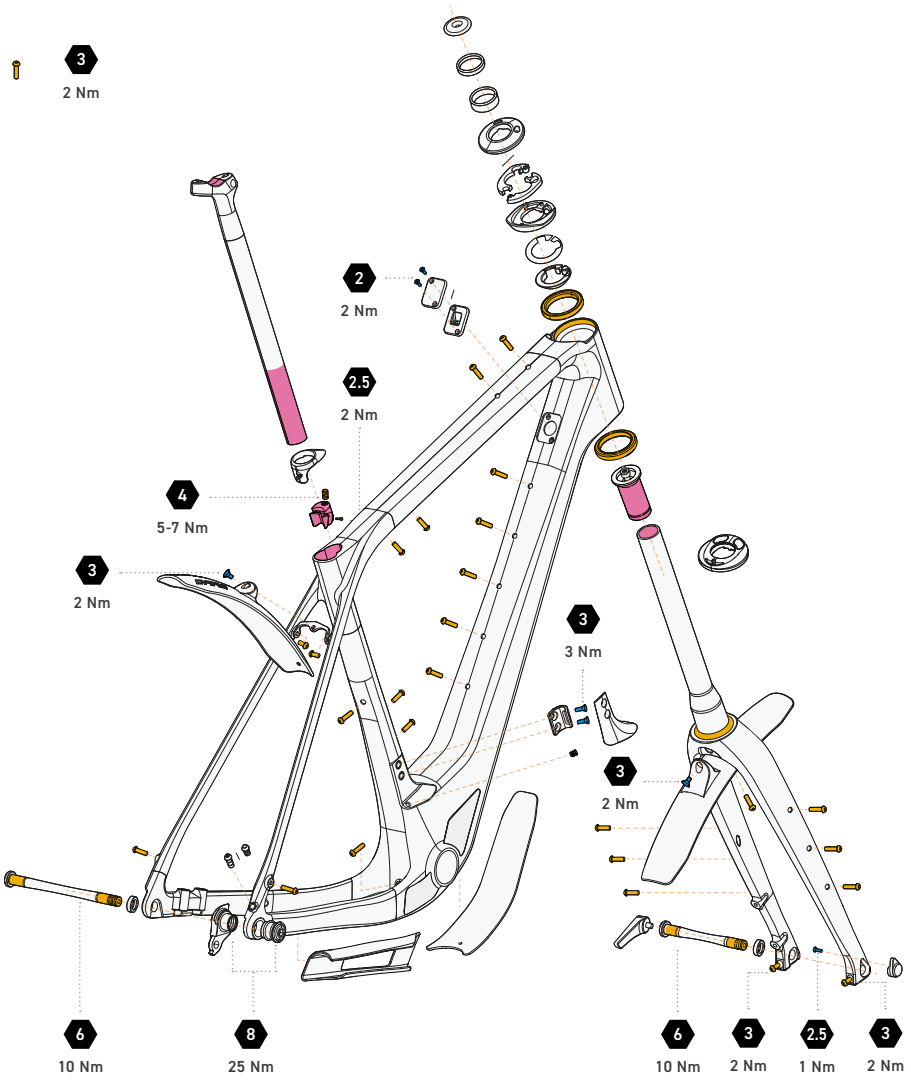
4 Allen key size

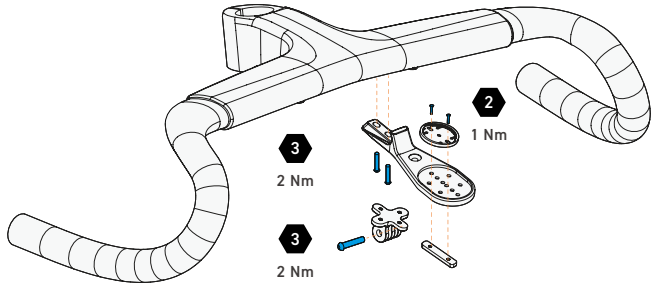
5 Nm Torque value

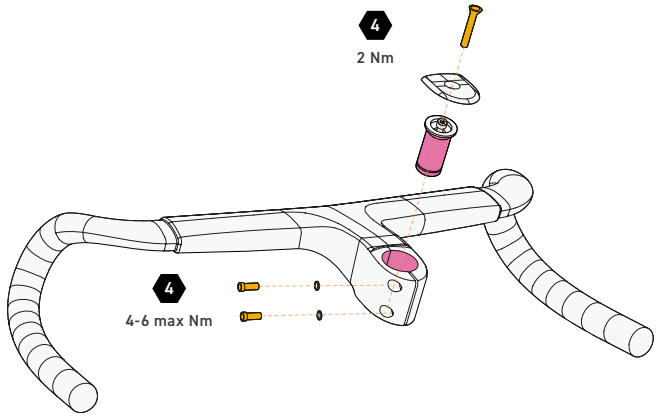
Greasel

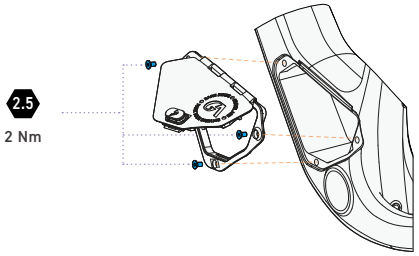
Carbon paste

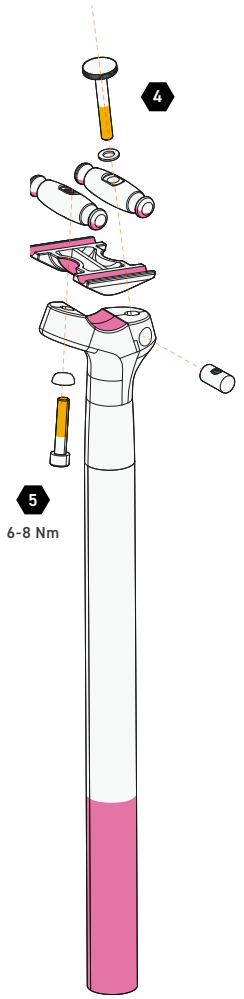
Loctite











ELECTRONIC SHIFTING WIRING DIAGRAM

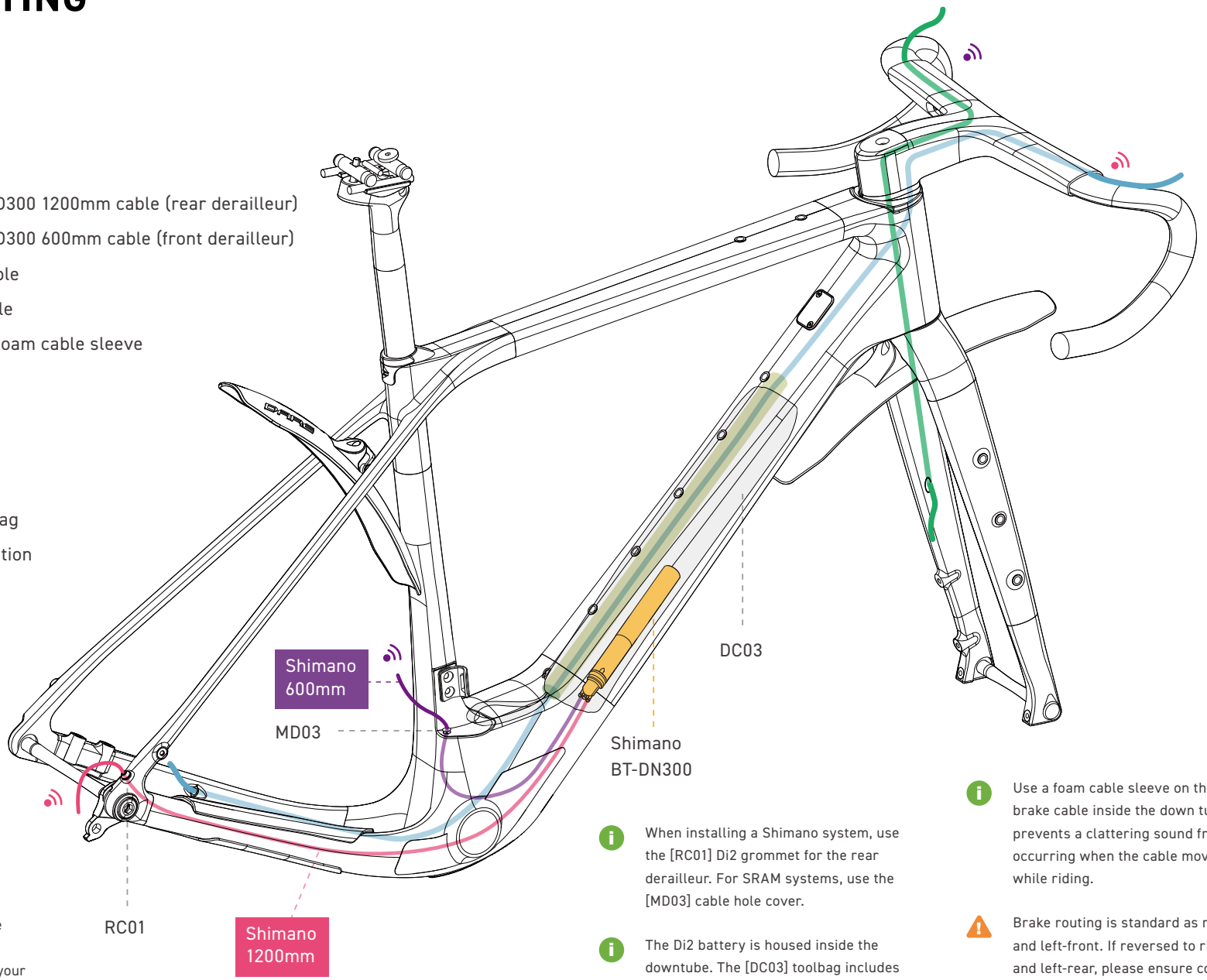
Based on Shimano Di2 wireless shifting

Cables
- Shimano EW-SD300 1200mm cable (rear derailleur)
- Shimano EW-SD300 600mm cable (front derailleur)
- Front brake cable
- Rear brake cable
- [OD01] Churro foam cable sleeve

Battery Shimano BT-DN300

Other parts [RC01] Di2 grommet
[MD03] Cable hole cover
[DC03] Di2-integrated toolbag

Icon Wireless communication



The cable lengths are for reference only, you may need to increase or decrease the length depending on your bike size.

When installing a Shimano system, use the [RC01] Di2 grommet for the rear derailleur. For SRAM systems, use the [MD03] cable hole cover.

The Di2 battery is housed inside the downtube. The [DC03] toolbag includes a dedicated pocket for securing the battery after assembly.

Use a foam cable sleeve on the rear brake cable inside the down tube, this prevents a clattering sound from occurring when the cable moves around while riding.

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.

MECHANICAL SHIFTING CABLE ROUTING DIAGRAM

Based on a 2x drivetrain installation

Cables

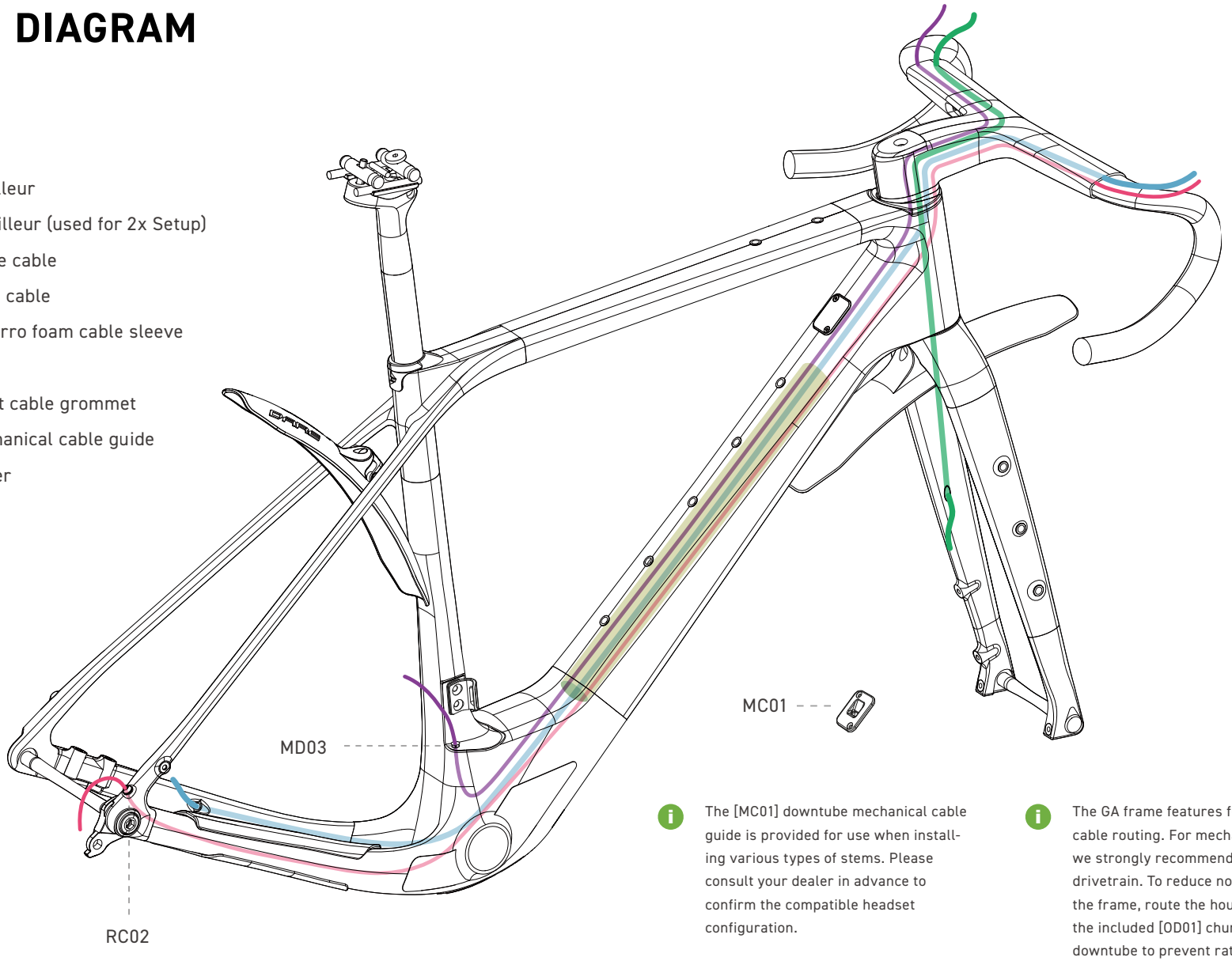
- Rear derailleur
- Front derailleur (used for 2x Setup)
- Front brake cable
- Rear brake cable
- [OD01] Churro foam cable sleeve

Other parts

[RC02] Mechanical shift cable grommet

[MC01] Downtube mechanical cable guide

[MD03] Cable hole cover



The [MC01] downtube mechanical cable guide is provided for use when installing various types of stems. Please consult your dealer in advance to confirm the compatible headset configuration.

Mechanical shifting cable housing tends to be stiffer, so take extra care and patience during installation.

The GA frame features fully internal cable routing. For mechanical shifting, we strongly recommend using a 1x drivetrain. To reduce noise and protect the frame, route the housing through the included [OD01] churros in the downtube to prevent rattling during rides.

ASSEMBLY INFORMATION

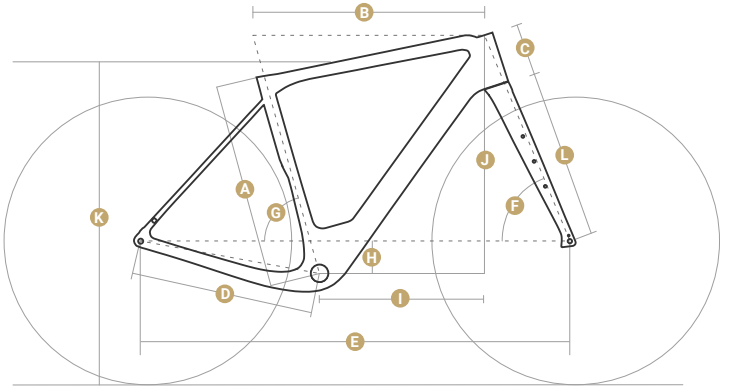
1 Tools Needed

- **Bottom bracket bearing press**
  For installing or removing bottom bracket bearings, we recommend Park Tool BBP-1.2
- **Internal cable routing kit**
  We recommend Park Tool IR-1
- **Hydraulic brake bleed kit**
  For replacing hydraulic brake oil
- **Gloves and cleaning agents**
  To prevent grease stains
- **Greasel**
  Prevents abnormal sounds
- **Carbon paste**
  Increases surface friction and prevents abnormal sounds
- **Loctite**
  Locks screw threads (prevents loosening)

All assembly procedures must follow the specified torque values and assembly compound application instructions.

2 Sizing

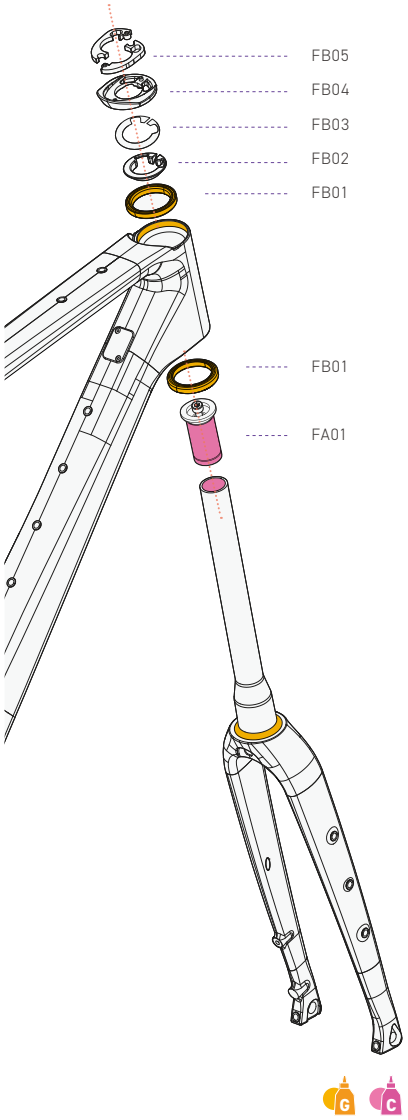
Every DARE model follows a linear reach/stack proportion, providing suitable sizes for every rider. Please have all geometry related information prepared before assembly.

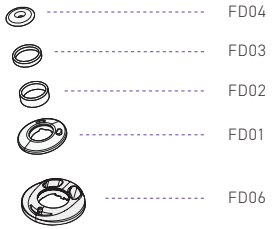


	Frame size	XS	S	M	L	XL	2XL
	Height (cm)	155 | 167	164 | 174	170 | 180	175 | 185	179 | 191	183 | 195
A	ST Length	410	430	460	480	520	540
B	Effective TT	508	522	536	551	567	582
C	HT length	90	105	120	145	170	195
D	RC length	425	425	425	425	425	425
E	Wheelbase	1001	1003	1004	1020	1032	1048
F	HT angle	69	70.5	72	72	72.5	72.5
G	ST angle	74	74	74	74	74	74
H	BB drop	75	75	75	73	73	73
I	Reach	360	369	377	386	394	403
J	Stack	515	534	520	541	561	625
K	Standover	713	732	764	779	815	835
L	Fork Length	400	400	400	400	400	400

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



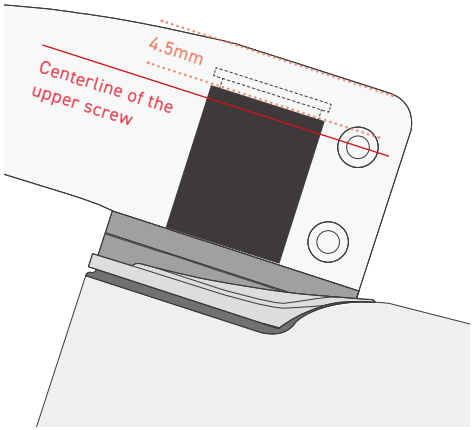


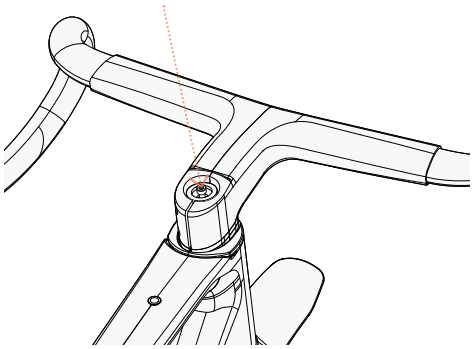
Two headset top caps are included with the GA. Please use the [FB04] SP frame cap for optimal aerodynamic performance. The [FB06] ST frame cap is for other DARE frames.

[FD01–FD04] are compatible accessories for installing alloy stems and may be used as needed.

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 Ø40 * Ø52 * 7 mm, -45° * 45°	2
FB02	Headset compression ring	1
FB03	0.2mm headset washer	2
FB04	Headset - SP frame cap	1
FB05	5mm headset spacer	6
FB06	Headset - ST frame cap	1
FD01	Headset - alloy stem frame cap	1
FD02	10mm carbon spacer	3
FD03	5mm carbon spacer	1
FD04	Alloy stem top cap	1





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)

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.

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).

Test fit the fork and related components before trimming so that you don't potentially over-trim the fork.

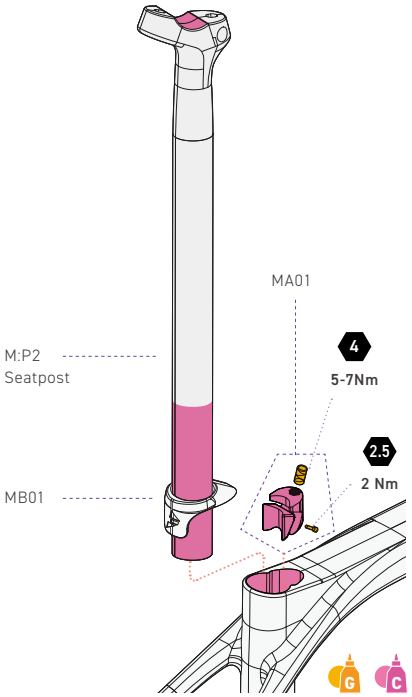
To ensure a secure grip on the fork, do not trim the steerer tube lower than the center axis of the stem's upper screw.

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 M:P2 Seatpost Components and Installation

M:P2 was designed for the GA, with an all carbon horizontal saddle clamp and three offset sizes to choose from: 5, 15, and 25mm. Its length options are 300 and 350mm, and the standard configuration is a 15mm offset with 350mm length.

Installing the Seatpost



No.	Item Name	Qty
MA01	Seat post wedge	1
MB01	Seat post waterproof cover	1

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

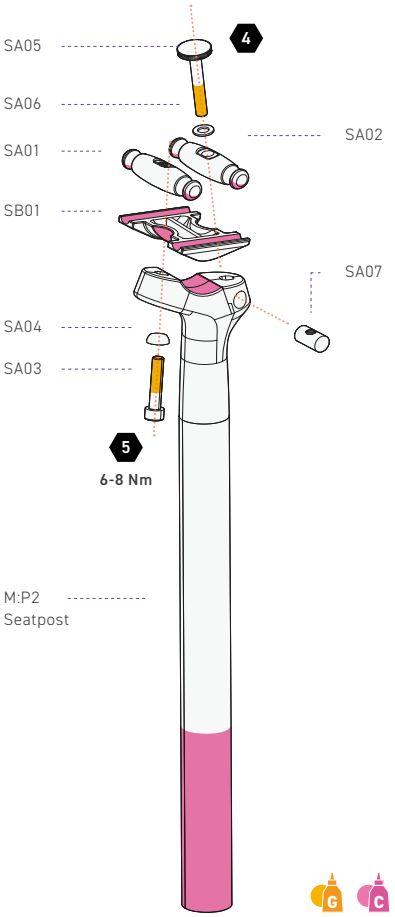
4.2 After Step 5 (installing the cable systems) is completed, place the seatpost clamp into the indent in the seat tube, and insert M:P1 into the seat tube. Make sure the seat post is inserted past the minimum required depth, and that the clamp is then tightened to the specified torque.

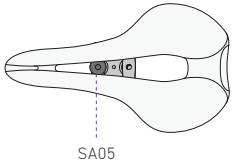
The seatpost clamp must be tightened to the specified torque, if it is too loose the seatpost may move around, if it is too tight the carbon fiber may crack or become stuck and unable to be removed.

If the seatpost remains unstable even after reaching the specified torque, check whether the adjustment screw (M3 * 11 * 8 mm) beneath the clamp is overtightened, preventing the wedge block from functioning properly.

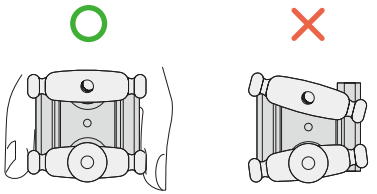
The seatpost must be inserted to a minimum depth of 90mm, make sure to reach at least 90mm for a stable connection.

Saddle Clamp Parts





We recommend using a cutout saddle with the M:P1, otherwise the [SA05] front saddle wedge screw may not be able to fully tighten.



When installing the saddle, make sure that the [SA01] [SA02] saddle wedges and [SB01] saddle clamp base are fully attached before securing the screws. We recommend holding the wedges in place with your thumb and finger so that they don't slide out of position when tightening the screws and cause the saddle to be off center.

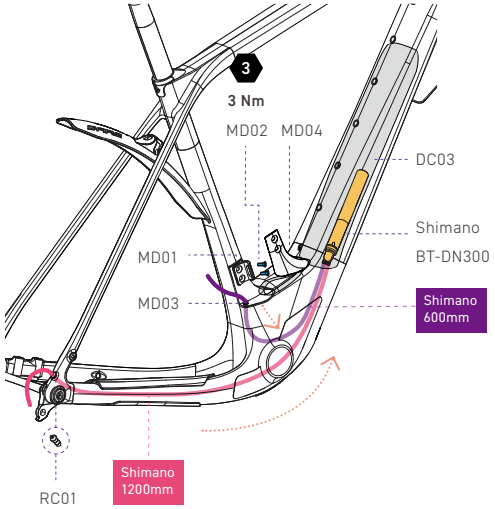
When installing the saddle, [SA03] and [SA05] screws need to be tightened to matching torques in order to prevent breakage from stress on the carbon fiber or abnormal sounds.

No.	Item Name	Qty
SA01	Rear saddle wedge (screw thread)	1
SA02	Front saddle wedge (thru hole)	1
SA03	Rear saddle wedge socket screw M6 * 36 * 30 mm	1
SA04	4mm spacer	1

No.	Item Name	Qty
SA05	Front saddle wedge screw M6 * Ø18 * 44 mm	1
SA06	1mm spacer	1
SA07	Seatpost barrel nut	1
SB01	Saddle clamp base	1

5 Installing the Cable Systems

Shimano Di2 Electronic Shifting Cables



No.	Item Name	Qty
RC01	Di2 grommet	1
DC03	BB tool bag	1
MD01	FD mount	1
MD02	FD mount flat screw M5 * 16 * 12 mm	2
MD03	Cable hole cover	1
MD04	Single chainring FD cover	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 (1200mm) routed through the right rear seatstay dropout into the BB area near the BB storage cap. Insert the [RC01] Di2 grommet and connect to the rear derailleur.

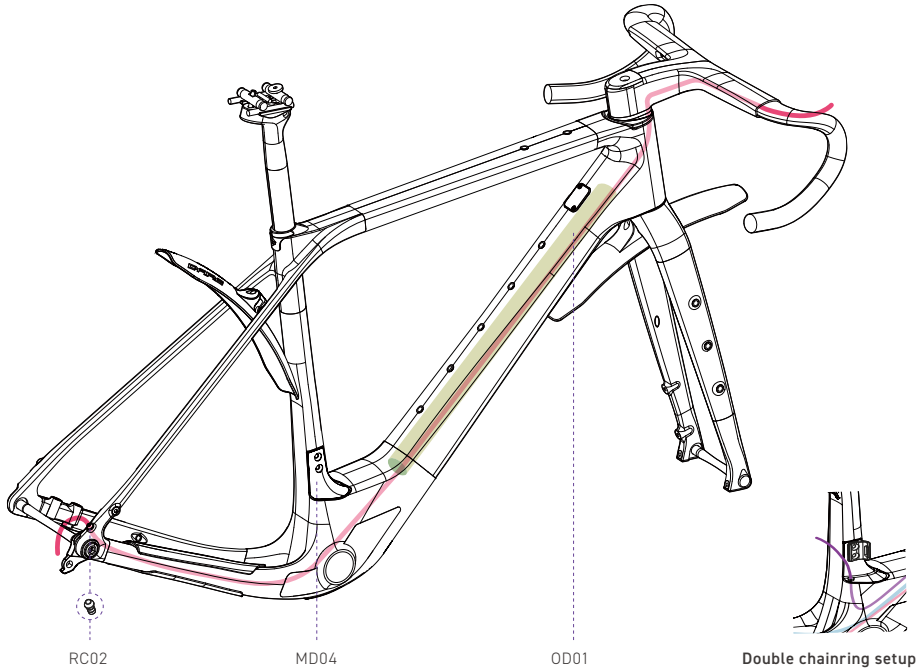
5.2 Front Derailleur Installation:
- Single chainring setup: no cable routing required.
- Double chainring setup: use the EW-SD300 (600mm). Remove the [MD04] single chainring FD cover, route the cable through the FD port, leave the end near the BB storage cap, reinstall the [MD01] (torque to 3Nm), and connect to the FD.

5.3 Insert the BT-DN300 battery into the [DC03] Di2-integrated toolbag, place it into the downtube via the access port, and connect the Shimano Di2 wires.

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

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

Mechanical Shifting Cables



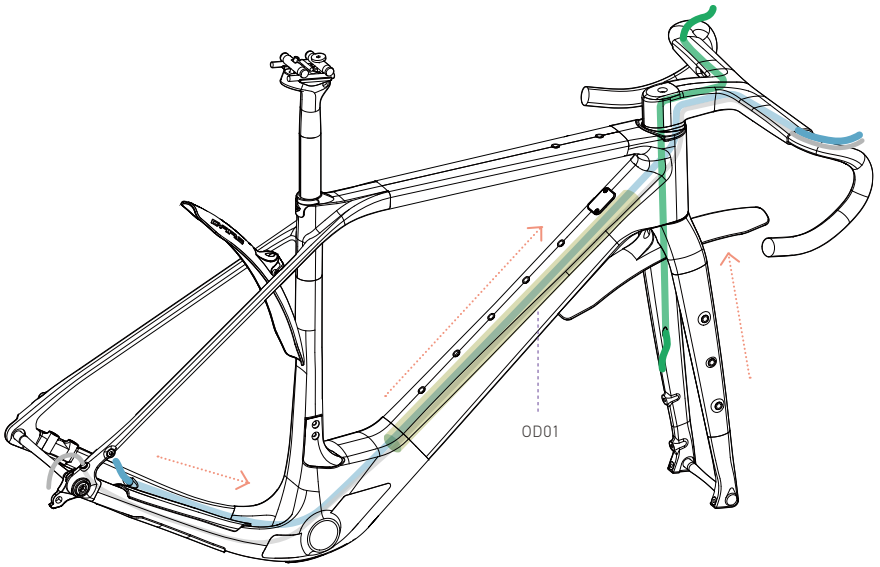
Step 5.1 Rear derailleur cable: Route the cable through the right rear seatstay dropout, run it through the downtube, and exit at the top of the head tube. Fit the [RC02] mechanical shift cable grommet at the rear exit and connect to the rear derailleur.

5.2 Front derailleur cable: No routing is required for a 1x setup. For a 2x drivetrain, refer to the P17 Mechanical Cable Routing Diagram and consult your retailer for compatible headset configurations.

No.	Item Name	Qty
—	Rear derailleur cable	1
RC02	Mechanical shift cable grommet	1

No.	Item Name	Qty
OD01	Churro foam cable sleeve	1
MD04	Single chainring FD cover	1

Brake Cables



Step 5.4 Rear brake cable: Route the cable through the inner port on the left rear chainstay, guide it through the bottom bracket, and exit at the top of the head tube. Cut the [OD01] churros foam sleeve to match the downtube length, slide it over the brake cable (and rear shift cable, if applicable) from the head tube side, and position it midway inside the downtube.

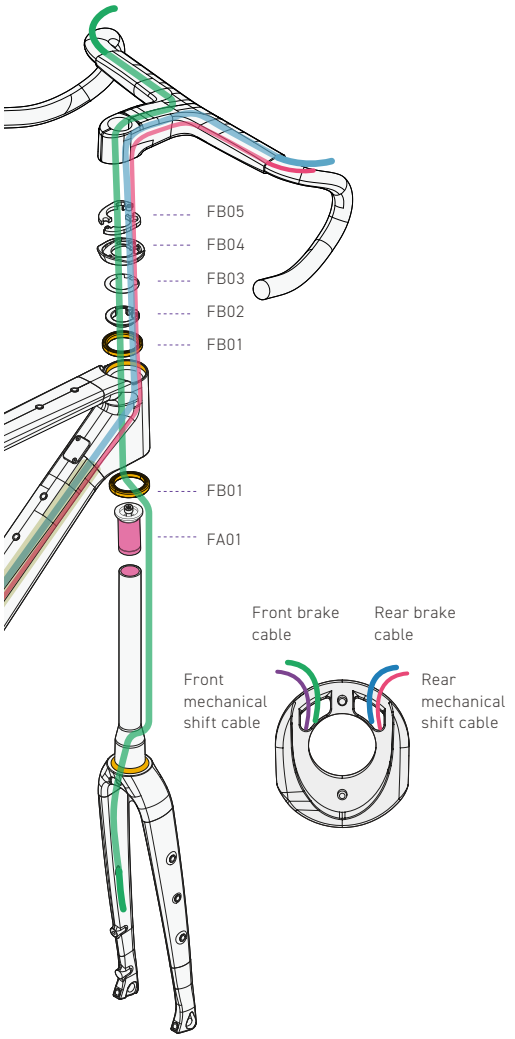
No.	Item Name	Qty
OD01	Churro foam cable sleeve	1
	Front brake cable	1
	Rear brake cable	1

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.

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

Head Tube Cable Routing



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 (and mechanical shift housings, if applicable) then enter the G:C1 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] compression ring, [FB04] headset cap, [FB05] spacer, and the G:C1 stem each feature left and right cable ports. The left side is for the front brake and front mechanical shift cables, while the right side is for the rear brake and rear mechanical shift cables.

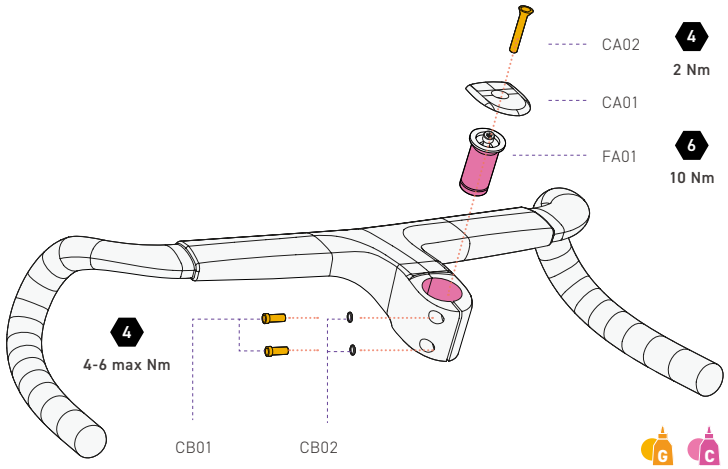
Thin [FB03] 0.2mm headset washers are provided in case more clearance is

The [FB05] spacer splits left and right, allowing stem height adjustment without rerouting brake cables.

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 G:C1 Integrated Handlebars

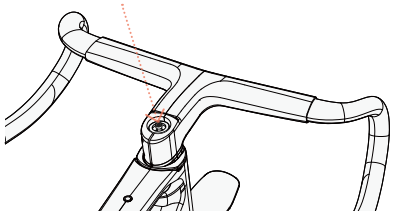
The G:C1 handlebar is specifically designed for gravel riding. It features full internal routing, supports both mechanical and electronic drivetrains, and is optimized for wireless setups. It has a 5° V-shaped top section and a 24° outward flare for excellent off-road control.



The [CA02] stem flat screw we recommend tightening to 2Nm, over-tightening may cause restricted steering.

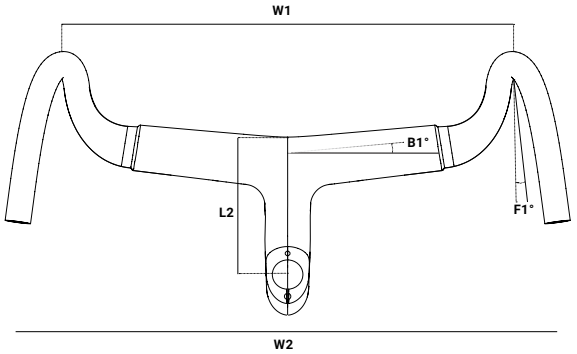
Do not tighten the [CB01] stem socket screw above 4-6Nm, we recommend tightening the top and bottom screws to matching torques, over-tightening may cause damage to the steerer tube.

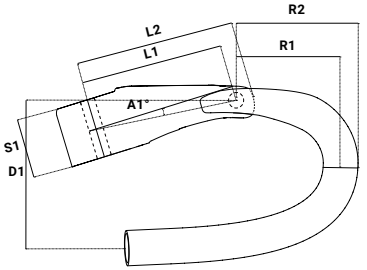
No.	Item Name	Qty
CA01	Stem top cap	1
CA02	Stem flat screw M6 * 35 * 31.5 mm	1
CB01	Stem socket screw M5 * 17 * 12 mm	2
CB02	1mm spacer	2



The plug expander must be tightened to the specified torque only after the stem has been installed, in order to avoid over-expansion.

Geometry Code





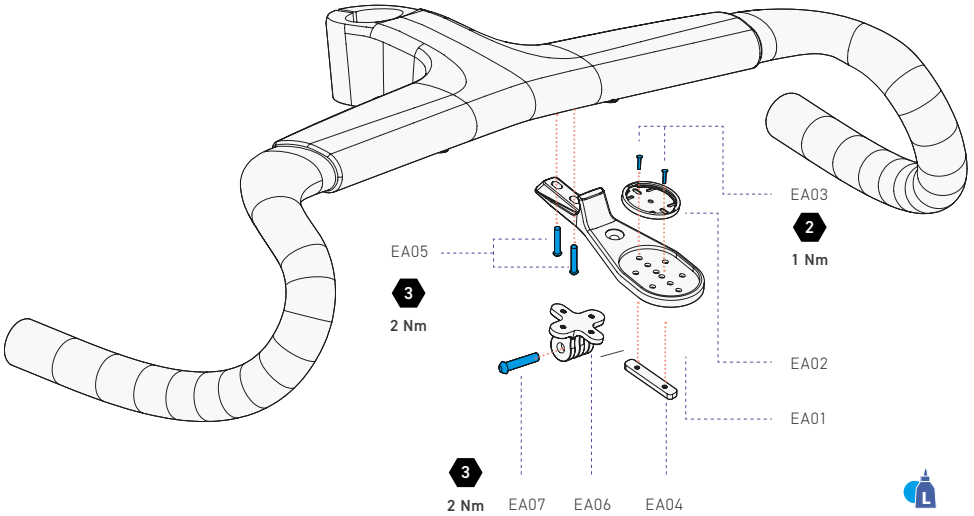
Please pay special attention when measuring L1.

Size (mm)	40	42	44	46
W1 Hood-to-hood	400	420	440	460
W2 Drop-to-drop	486	506	526	546
R1 Reach	70	70	70	70
R2 Reach	88	88	88	88
D1 Drop	100	100	100	100
F1 Drop flare	24	24	24	24
B1 Backsweep	-4	-4	-4	-4
A1 Angle	-6	-6	-6	-6
S1 Stack	40.5	40.5	40.5	40.5
L1 Stem length*	80 · 90 · 105	90 · 105	90 · 105	90 · 105
L2 Stem length	87 · 97 · 112	97 · 112	97 · 112	97 · 112

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

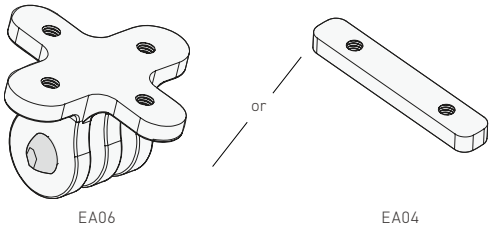
7 Installing Mounts on the G:C1 Integrated Handlebars

G: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.

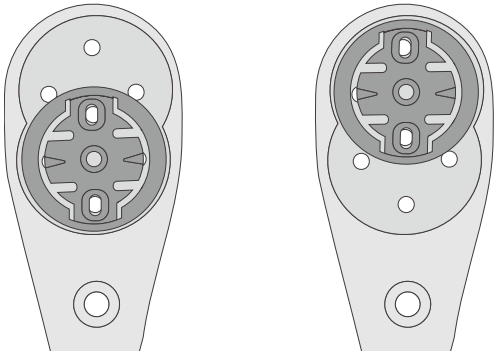


No.	Item Name	Qty
EA01	G:C1 computer mount	1
EA02	Computer mount adapter	1
EA03	Adapter flat screw M3 * 8 * 5 mm	2
EA04	Adapter mount	1

No.	Item Name	Qty
EA05	Computer mount socket screw M4 * 18 * 14 mm	2
EA06	GoPro mount adapter	1
EA07	GoPro mount round screw M5 * 23 * 20 mm	1



EA06 EA04



A
Close to the handlebar

B
Away from the handlebar

More computer mounts accessories

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.

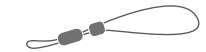
7.2 The [EA06] bottom mount adapter fits GoPro cameras or lights, or can also be switched out for [EA04] an adapter mount.

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.

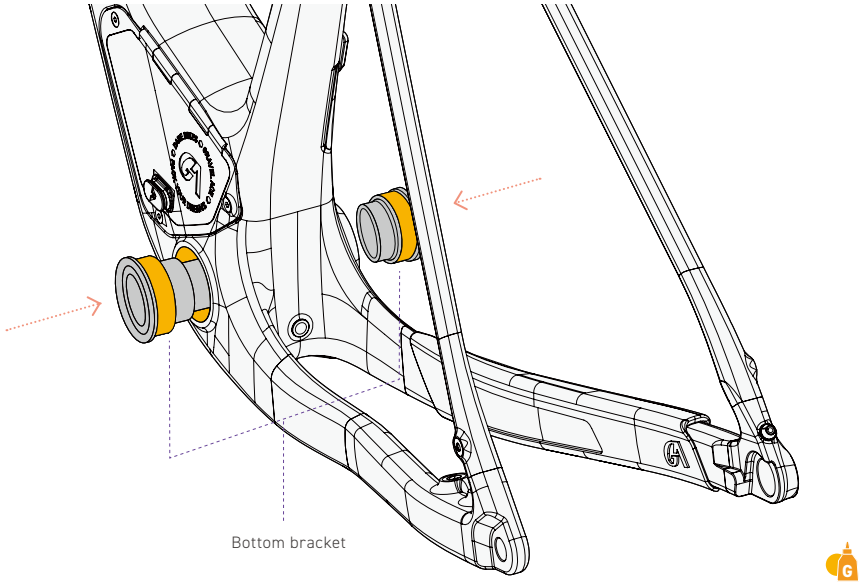
The computer mount may have a slightly different configuration depending on your purchase date, if you need a specific version please contact your local authorized DARE retailer before purchasing.

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.



8 Installing the Bottom Bracket

GA uses a Press Fit bottom bracket (Press Fit 86.5mm).



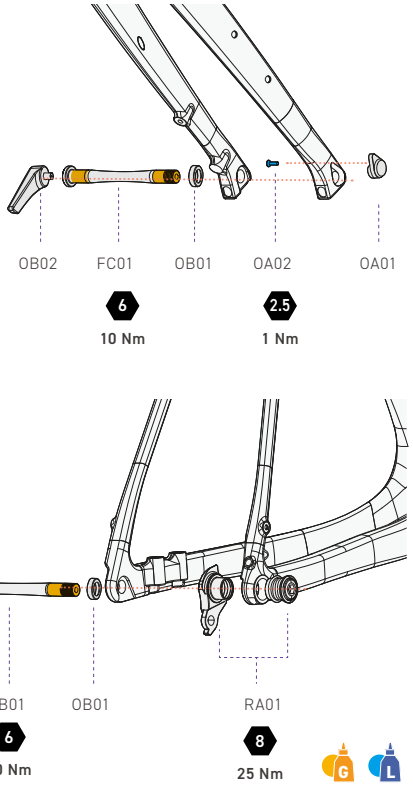
To avoid damaging the frame and bottom bracket, please use a bottom bracket bearing press when installing the bottom bracket. When using the bottom bearing bracket press, follow the press manufacturer's instruction manual.

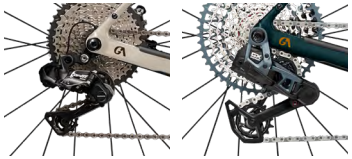
The precise tolerance between the frame and bottom bracket may cause loud squeaking sounds to occur when installing the Press Fit bottom bracket, this is completely normal.

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.

The GA is only compatible with chain-rings that have an outward chainline. Using a standard road crankset may result in crankarm interference with the chainstay.

9 Installing Derailleur Hangers and Thru Axles





Step 8 The standard [RA01] UDH hanger included with the frame is compatible with Shimano rear derailleurs.

or

Step 8 By removing the [RA01] UDH hanger, the frame becomes directly compatible with SRAM Eagle Transmission and RED XPLR AXS rear derailleurs.

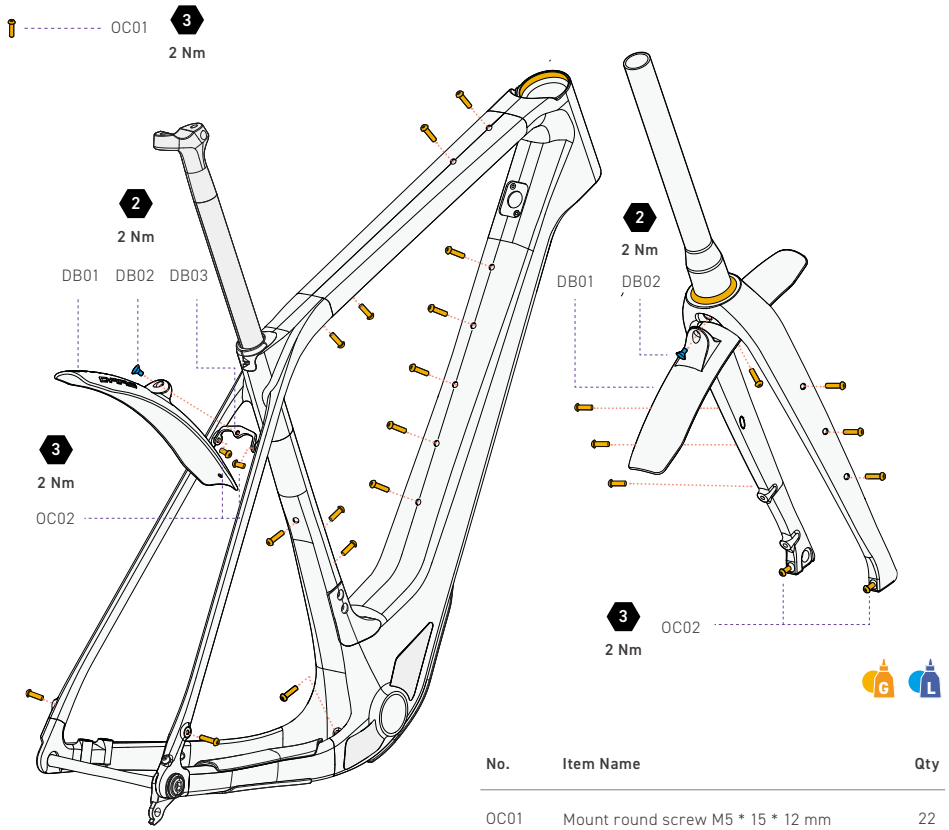
Be sure to read and follow SRAM's official installation instructions before installation.

No.	Item Name	Qty
OA01	Thur axle nut	2
OA02	Axle mount flat screw M3 * 13 * 11 mm	1
OB01	Thru axle spacer	2
OB02	Alloy axle lever	1
RA01	UDH hanger	1

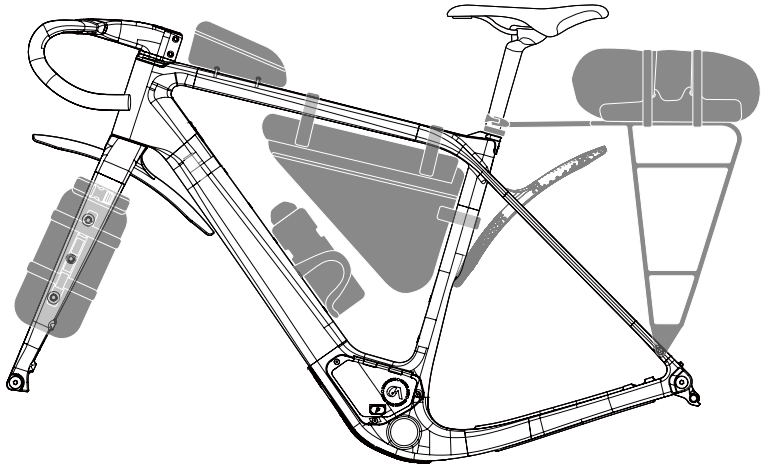
No.	Item Name	Qty
FC01	Front thru axle Ø12*121mm P1.5 Torque should be 10Nm	1
RB01	Rear thru axle Ø12*166mm P1.0 Torque should be 10Nm	1

10 Frame Mounting Point Overview

The GA frame includes multiple mounting points compatible with common mudguards, racks, frame bags, bottle cages, and fork-mounted carriers. These allow for flexible configurations based on your riding style.



No.	Item Name	Qty
OC01	Mount round screw M5 * 15 * 12 mm	22
OC02	Round screw M5 * 10.5 * 8 mm	4
DB01	Mudguard	2
DB02	Mudguard flat screw M4 * 8 * 5 mm	2
DB03	Rear mudguard bridge	1



Mudguard Installation

Step 10.1 The GA includes a dedicated [DB01] short mudguard. Mount the [DB03] rear bridge to the seatstays. Then, attach one [DB01] mudguard to the rear bridge and the other [DB01] mudguard to the mounting hole on the fork.

It is also compatible with standard long mudguards. Ensure that the mounting holes on the seatstay and fork align with the mudguard's installation method.

Rack Installation

10.2 Compatible with various direct-mount racks. Please consult your retailer for specific compatibility.

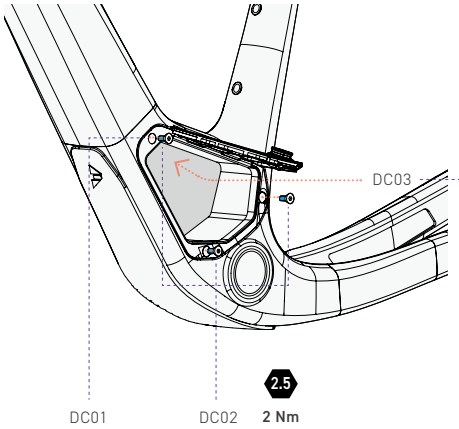
If the rack features a seatpost support point, be sure to use plastic or fabric-based materials. Avoid using metal to prevent damage to the carbon seatpost.

Frame Bag / Bottle Cage / Fork Rack Installation

10.3 Multiple mounting points are provided along the top tube, downtube, and fork, allowing direct attachment of top tube bags, frame bags, bottle cages, and fork racks.

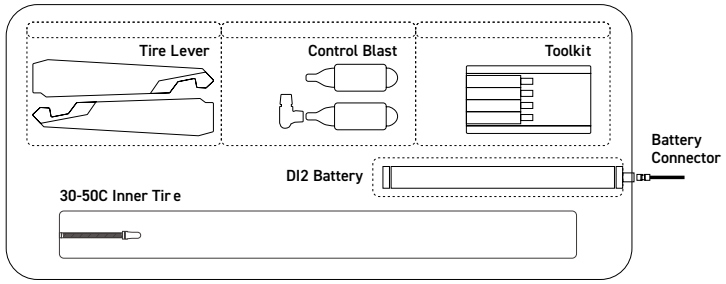
11 Installing the Di2-Integrated Toolbag

The [DC03] Di2-Integrated Toolbag has a capacity of 0.8L, large enough to store common on-bike tools. It includes a dedicated sleeve for the Di2 battery and features a water-resistant zipper.



No.	Item Name	Qty
DC01	BB storage cap	1
DC02	BB storage cap flat screw M4 * 8 * 5 mm	3
DC03	Di2-integrated toolbag	1

Tool Bag Contents Overview



The tool bag includes internal dividers for organizing supplies and repair tools, along with a wide strap handle for quick and easy access.