EN

DRUID E & DREADNOUGHT E //
USER MANUAL

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WE ARE MOUNTAIN BIKERS.

WE MAKE MOUNTAIN BIKES.

Congratulations, and thank you for choosing to purchase a bike from Forbidden. Like you, we love mountain biking and want you to have the best experience possible. We therefore recommend that you take the time to read through the guidelines and instructions set out in this manual before your first ride.

But before that, a few words about your new electric bicycle (e-bike). As the name suggests, and unlike regular bicycles, Forbidden e-bikes have carefully engineered electrical components, including an integrated motor and battery in the frame, sensors, a display unit and wiring to connect the individual components. While riding your e-bike, you will experience added speed and acceleration from the motor's support. As a result, you will need to treat your e-bike differently from a regular bicycle and be careful not to damage the electrical components. This means you should not expose any electrical components to water, be careful while you wash your bike and do not pressure wash it. Handle your battery with care - avoid dropping it, touching live components, opening it, or tampering with its electrical components. Be aware that a sufficiently charged lithium-ion battery contains enough energy to potentially cause a fire. Always follow the handling, charging, cleaning, storing, and transporting instructions in this manual. Failure to do so may lead to serious consequences, including fire and potential injury to yourself and others.

Read this manual completely and contact us if you have any questions, contact@forbiddenbike.com

Product SKU & Serial Number:

Peel and stick label here

101-2799 Beck Ave, Cumberland BC, V0R 1S0, Canada

INTRODUCTION

THIS MANUAL CONTAINS IMPORTANT SAFETY, PERFORMANCE AND SERVICE INFORMATION.
READ IT BEFORE YOU TAKE THE FIRST RIDE ON YOUR NEW E-BIKE, AND KEEP IT FOR REFERENCE.

Additional safety, performance and service information for specific components such as suspension on your e-bike, or for accessories such as helmets or lights that you purchase, may also be available. Make sure that your authorized Forbidden dealer has given you all the manufacturers' literature that was included with your e-bike or accessories. In case of a conflict between the instructions in this manual and information provided by a component manufacturer, always follow the component manufacturer's instructions. If you have any questions or do not understand something, take responsibility for your safety and consult with your authorized Forbidden dealer, or with Forbidden directly.

This Manual contains many "Warnings" and "Cautions" concerning the consequences of failure to maintain or inspect your e-bike and of failure to follow safe cycling practices.

NOTE: This manual is not intended as a comprehensive use, service, repair or maintenance manual. Please see your authorized Forbidden dealer for all service, repairs or maintenance. Like any sport, bicycling involves the risk of injury and damage. By choosing to ride an e-bike, you assume the responsibility for that risk, so you need to know — and to practice — the rules of safe and responsible riding and of proper use and maintenance. Proper use and maintenance of your e-bike reduces the risk of injury.

+ **WARNING**	The combination of the safety alert symbol and the word **WARNING** indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death.
+ **WARNING**	The combination of the fire hazard alert symbol and the word **WARNING** indicates a potentially hazardous situation which, if not avoided, could cause a sudden and severe fire, which could result in serious injury or death.
+ **CAUTION**	The combination of the safety alert symbol and the word **CAUTION** indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury, or is an alert against unsafe practices.
+ **CAUTION**	The combination of the hot surface alert symbol and the word **CAUTION** indicates a potentially hazardous situation which, if not avoided, could result in burns.
CAUTION	The word CAUTION used without the safety alert symbol indicates a situation which, if not avoided, could result in serious damage to the e-bike or the voiding of your warranty.

SYMBOL KEY

Safety Alert Symbol

Fire Hazard Alert Symbol

Hot Surface Alert Symbol

Many of the Warnings and Cautions say, "You may lose control and fall". Because any fall can result in serious injury or even death, we do not always repeat the warning of possible injury or death. Because it is impossible to anticipate every situation or condition that can occur while riding, this Manual makes no representation about the safe use of the e-bike under all conditions. There are risks associated with the use of any e-bike which cannot be predicted or avoided and which are the sole responsibility of the rider.

INTRODUCTION

INTENDED USE

All Mountain trail and uphill riding. Forbidden e-bikes are designed and INTENDED for riding conditions 1, 2, 3 and 4 only. See the table below for the description and jumping/drop limitations for each condition.

NOT INTENDED for use in Condition 5, extreme forms of jumping/riding such as hardcore mountain, free riding, downhill, North Shore, dirt jumping, trick jumping, hucking, etc. Not for large dropoffs, jumps or launches (wooden structures, dirt embankments) requiring long suspension travel or aftermarket heavy-duty components. Not to be used as a cargo bike, or equipping trailers, carriers or child seats.

⚠WARNING

Using the bike outside its intended use may lead to compromising the bike's structural integrity and catastrophic failure.

CONDITION	DESCRIPTION	MAX JUMP/DROP HEIGHT
CONDITION 1	Flat and smooth paved surfaces, with tires on the ground while riding.	Not Supported
CONDITION 2	Including condition 1, plus unpaved gravel roads and trails with moderate grades, the tires can occasionally lift off the ground while riding.	<15 cm
CONDITION 3	Including conditions 1 and 2, as well as rough roads and paths that require technical skills.	<60 cm
CONDITION 4	Including conditions 1, 2, and 3, plus rough technical areas that require advanced technical skills, and moderately sized obstacles. Small jumps are supported during riding.	<120 cm
CONDITION 5	Including conditions 1 to 4, as well as professional tracks and rugged terrains that requires extreme jumping maneuvers.	Unlimited

ELECTRICALLY POWER ASSISTED CYCLE (EPAC)

This bike is classified as an EPAC (Electrically Power Assisted Cycle). Regardless of its specific classification, the electric motor in this bicycle will only provide assistance when the rider is pedaling. Different classifications of electric bicycles may have varying regulations and requirements that could affect how and where you can use the bike. The motor's assistance will automatically stop if you stop pedaling or if you reach the maximum allowed speed for assistance.

This bike is not intended for use by persons under the age of 16, unless supervised by an adult, and as permitted by local laws. Always check local guidelines, regulations and laws before use.

INTRODUCTION

IMPORTANT INFORMATION & SAFETY PRECAUTIONS

- Before using your e-bike, it is your responsibility to inform yourself of all applicable regulations and laws where you will be riding. There may be restrictions on riding your e-bike on public roads, cycling paths and/or trails. There may also be helmet requirements, age restrictions, and license and/or insurance requirements. Forbidden offers no guarantees, representations or warranties concerning the use of your e-bike. As regulations and laws regarding e-bikes vary by country or state, and are constantly changing, make sure to inform yourself on the latest information.

- If riding on public roads or pathways, and/or riding at night, it is your responsibility to check and follow local government guidelines, regulations and laws. Take the necessary steps to ensure you can ride your bike legally e.g. fitting a bell, reflectors, front and rear lights etc. Pay attention to hazards such as potholes, road shoulders, drains, objects or other features that may damage the wheels.

- Follow your local e-bike regulations for trail usage.

- Modifying or manipulating your e-bike's speed limit may change its classification, which may make the bike illegal to use depending on the country or state. Modifying or manipulating your e-bike's speed limit is considered tampering.

- Always wear a helmet, protective gear and appropriate clothing. Do not ride with headphones.

- E-bikes accelerate much faster than regular bikes. Pay attention to terrain and weather conditions while riding.

- When riding in the wet, braking distances are increased and traction is decreased. While riding in the wet is fun, please be careful. Give yourself more time to slow down and be cautious of slippery surfaces.

- ⚠ Do not apply excessive brake force to the front brake (i.e. front wheel) suddenly as this could lift the rear wheel off the ground and result in an incident.

- Be careful to keep your body, including hair, clothing and jewelry, away from the sharp teeth of chainrings, the moving chain, and the spinning wheels.

- ⚠ The brake rotors and the motor may become hot during use. Do not touch.

- Ensure the e-bike is turned OFF while:
  - Charging
  - Carrying the bike
  - Cleaning the bike
  - Fixing a dropped chain
  - Changing or fixing a flat tire
  - Installing or removing a pedal
  - Performing maintenance, especially for the chain/drivetrain
  - Loading/unloading for transportation, and during transportation

- Do not exceed the recommended combined weight (rider and bike) limit of 136kg (300lbs).

- Approximate empty weight (bike only),
  - Druid E: 22.7kg (50lbs)
  - Dreadnought E: 23.7kg (52lbs)

- The A-weighted emission sound pressure level at the driver ears is less than 70db(A).

- This user manual is subject to update without prior notice. Visit the Forbidden website for the most up to date version, https://forbiddenbike.com/tech-support

- Visit the Forbidden website for warranty information, https://forbiddenbike.com/customer-care/warranty

OVERVIEW

MAJOR PARTS

1	Brake Lever	17	Rear Derailleur
2	Wireless Controller	18	Cassette
3	Seatpost Lever	19	Brake Rotor
4	Handlebar	20	Chainstay
5	Stem	21	Chain
6	Control Display	22	Chain Guide
7	Shift Lever	23	Chainring
8	Top Tube	24	Crank
9	Rear Shock	25	Drive Unit
10	Saddle	26	Internal Battery
11	Seatpost	27	Downtube
12	Seatpost Clamp	28	Head Tube
13	Seat Tube	29	Fork
14	Rocker Link	30	Spoke
15	Seatstay	31	Rim
16	Brake Caliper	32	Tire

Frame	Lightweight carbon fibre
Motor	Avinox drive unit, with 250W continuous power
Battery	36V lithium-ion, 600Wh or 800Wh
Charger	4A or 12A
Display	OLED screen, supports accessory charging
Controller	Bluetooth wireless handlebar controller
Suspension	Front & rear hydraulic shocks
Brakes	Front & rear hydraulic disc brakes
Wheels	29" Front, 27.5" Rear, "MX" set up with all-terrain tubeless tires

Visit the Avinox website for more technical details about drive system components, https://avinox-ebike.com/avinox-system/downloads

ASSEMBLY & SETUP

THIS MANUAL IS NOT A SUBSTITUTE FOR PROFESSIONAL ASSEMBLY, USE, SERVICE, REPAIR, OR MAINTENANCE. ALWAYS CONSULT YOUR AUTHORIZED FORBIDDEN DEALER FOR THESE SERVICES.

⚠WARNING - Professional Assembly Required.
Due to the bike's complexity, proper assembly necessitates significant mechanical expertise, skill, training, and specialized tools. For your safety, entrust assembly to your authorized Forbidden dealer.

⚠WARNING - Pre-Ride Check.
Before your initial ride, ensure all components, including brakes and the drivetrain, are correctly assembled, adjusted according to the manufacturer's instructions, and functioning as intended.

⚠WARNING - Proprietary Parts.
Only use the original equipment (OE), including components and hardware, that is supplied with the bike, or equivalents. Many parts, such as the motor, battery and cable guides, are specific to a bike model. Model specific parts are exclusive to each model and should not be used on other bikes even if they fit. Using parts not intended for a bike model will compromise the bike's structural integrity and may lead to catastrophic failure.

⚠WARNING - No Tampering.
Unauthorized replacements or modifications to the control unit, motor, or other parts of the drive system, the frame, and other original equipment (OE) is considered tampering. Do not install or use incompatible or non-proprietary parts. Failure to adhere to this warning may lead to a sudden and severe fire, or catastrophic failure.

⚠WARNING - Electrical Safety.
Exercise caution when working on your e-bike as electrical components may be exposed. Never touch any part of the electrical system while it is charged. Keep battery and frame connections away from water. If any live components or the battery are damaged, stop riding immediately and take your e-bike to your authorized Forbidden dealer.

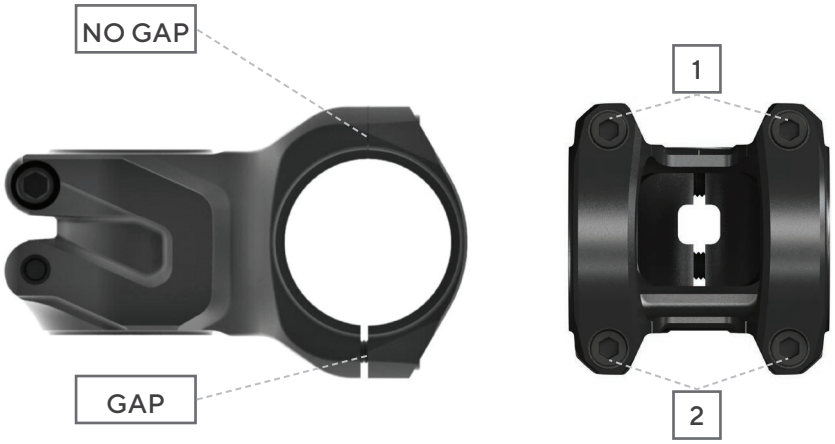
⚠WARNING - Properly Tighten Hardware.
Always tighten hardware to the specified torque. Over-tightening hardware could deform or break the hardware or parts. Under-tightening hardware could cause hardware or parts to become loose. Either situation may lead to compromising the bike's structural integrity and catastrophic failure.

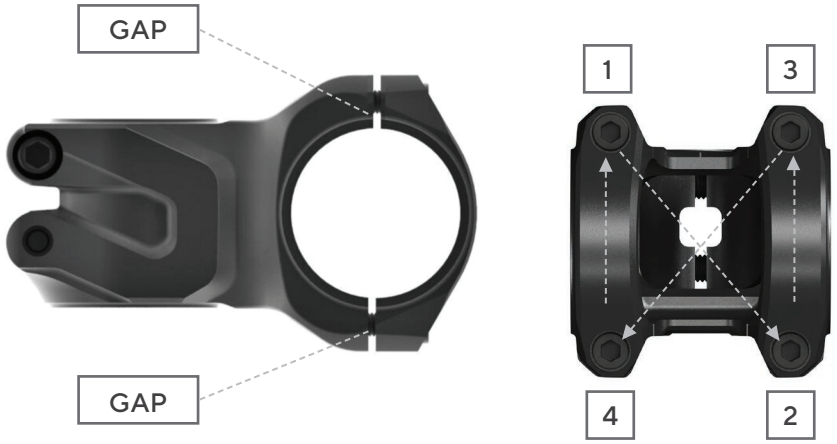
⚠WARNING - Reapply Threadlocker.
All reused fasteners with pre-applied threadlocker must be cleaned with isopropyl alcohol and have new threadlocker applied before re-assembly. If threadlocker is not applied, the fasteners may loosen, which may lead to compromising the bike's structural integrity and catastrophic failure.

ASSEMBLY & SETUP

HANDLEBAR

1. With the stem faceplate [A] removed, install the handlebar.
2. Place the handlebar in your desired position and secure the faceplate [A] over the handlebar.
3. Install the faceplate screws [B] and loosely tighten.
4. Check the stem manufacturer's instructions for the recommended faceplate screw [B] torque.
5. Check the stem, or manufacturer's literature, to determine if it is a no gap stem, or equal gap stem.
6. See general installation guidance below depending on the stem type.



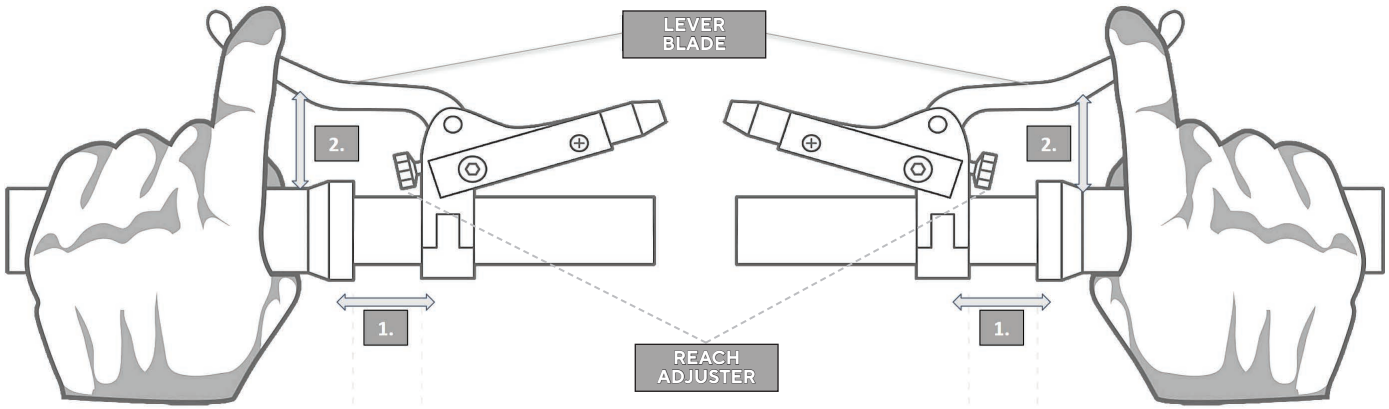


NO GAP STEMS
Tighten the upper faceplate screws [1] in an alternating pattern, approximately half a turn at a time, to the manufacturer's recommended torque. Next, tighten the lower faceplate screws [2] in an alternating pattern, approximately half a turn at a time, to the manufacturer's recommended torque.

EQUAL GAP STEMS
Ensuring to maintain an equal gap top and bottom, tighten each faceplate screw [1 –> 2 –> 3 –> 4] approximately half a turn at a time in an alternate cross pattern. Continue to tighten in this pattern until each screw reaches the manufacturer's recommended torque.

ASSEMBLY & SETUP

BRAKES



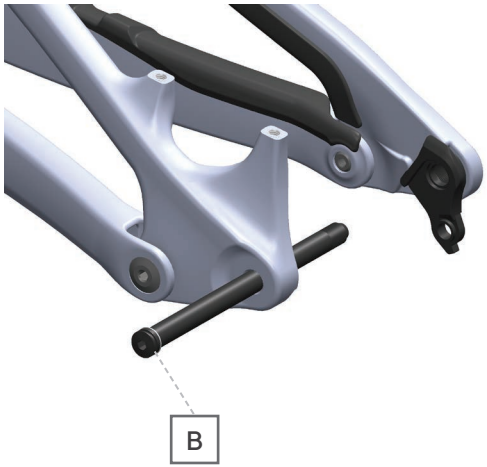
NOTE: Your e-bike is fitted with a front and rear brake that are independently operated by different lever blades. Check which lever operates each brake (front and rear) and adjust the lever to brake configuration to ensure it complies with local regulations and personal habits.

1. Check the handlebars are correctly installed before proceeding.
2. Position the brake levers to the desired distance from the inside of the grips [1]. To start, we suggest 20mm from the end of the grip.
3. Secure the brake levers to the handlebar by tightening the mounting bolt to the recommended torque.
4. Adjust the distance of the lever blade from the grip [2] by using the reach adjuster.
5. Check fit. Test the position and reach of the brake levers to ensure you can comfortably reach the lever blades in all riding positions and maintain full control.

ASSEMBLY & SETUP

UNIVERSAL DERAILLEUR HANGER (UDH)

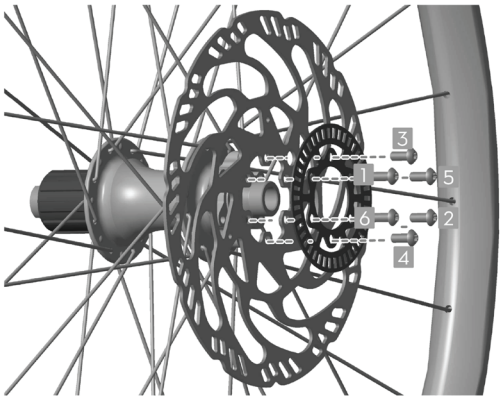
The universal derailleur hanger (UDH) is mounted on the rear dropout of the bike. Follow the steps below to replace it.



A - UDH bolt, 8mm hex, 25Nm
B - Rear Axle, 5mm hex, 12Nm

1. Remove the rear axle [B] to remove the rear wheel.
2. Remove the UDH bolt [A] and hardware, and remove the UDH. Note, the UDH bolt [A] is not shown.
3. Install the new UDH to the frame dropout and rotate it until it contacts the stop tab completely.
4. Re-install the UDH bolt [A] and hardware, then tighten to the specified torque.
5. Mount the rear wheel and re-install the rear axle [B], tightening the axle to the specified torque.

SPEED SENSOR RING



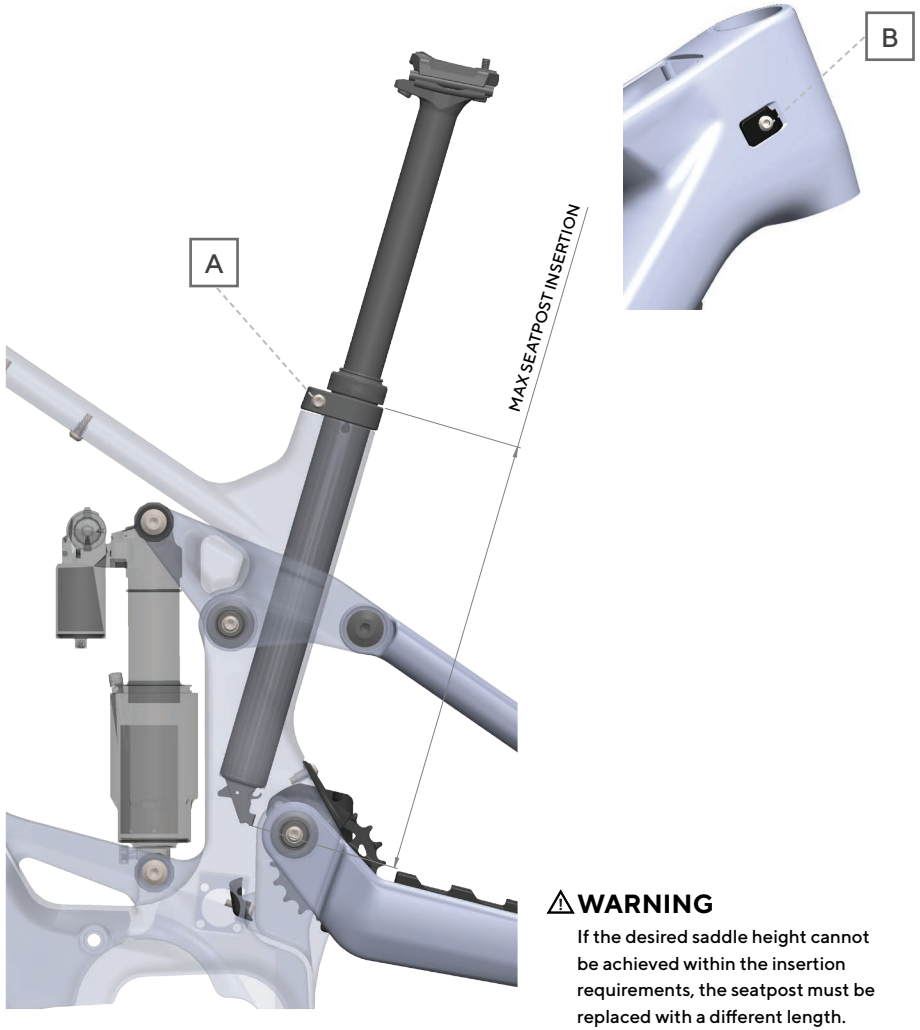
The speed sensor ring is mounted on the rear brake rotor. Ensure to remove and re-install the speed sensor ring when replacing the rear wheel or rear brake rotor. Tighten the bolts in the following order, see illustration for reference,

1 -> 2 -> 3 -> 4 -> 5 -> 6 - Rotor Bolts, T25, 5Nm

ASSEMBLY & SETUP

SEATPOST INSERTION & ADJUSTMENT

The saddle height can be set by adjusting the seatpost. However, each frame and seatpost has specific minimum and maximum insertion depth requirements for safety. If you don't have the necessary skills to determine your saddle height and/or adjust your seatpost, please refer to your local bike shop or authorized Forbidden dealer for professional help from a qualified person.



⚠WARNING

If the desired saddle height cannot be achieved within the insertion requirements, the seatpost must be replaced with a different length.

A - Seat Clamp Screw, 5mm hex, 6Nm
B - Cable Port Screw, 4mm hex, 2Nm

1. The seatpost must not be inserted past the frame's maximum insertion depth. Check the maximum insertion depth under the Technical Specifications section of this user manual.
2. Check the minimum insertion depth of the seatpost, which is physically marked on the seatpost. The seatpost must be inserted into the frame such that the minimum insertion mark is not visible.
3. Loosen the seat clamp screw [A].
4. Loosen the cable port screw [B] so the cable housing for the dropper is free to move in the cable port.
5. If the seatpost needs to be lifted, feed the cable housing into the frame. If the seatpost needs to be lowered, pull the excess cable out from the frame.
6. Check the insertion requirements are satisfied at the adjusted height. If the desired saddle height cannot be achieved within the insertion requirements, the seatpost must be replaced with a different length.
7. Once the adjustment is complete, tighten the seat clamp screw [A] to the specified torque.
8. Pull tight on the cable housing at the headtube to remove any slack from inside the frame, which should stop the cable from rattling while riding.
9. Tighten the cable port screw [B] to the specified torque.

If a change is required to the dropper cable housing, refer to the cable routing section of this manual.

ASSEMBLY & SETUP

TIRE PRESSURE GUIDE

Before riding, inflate the tires to the recommended pressure according to your weight, including riding gear. Ensure you have a Presta valve pump and an accurate pressure gauge.

RIDER WEIGHT (lbs)	RIDER WEIGHT (kg)	AIR PRESSURE FRONT/REAR (PSI)	AIR PRESSURE FRONT/REAR (kPa)
120-130	54-59	19/22	131/152
130-140	59-63	19/22	131/152
140-150	63-68	20/23	138/159
150-160	68-73	21/24	145/165
160-170	73-77	21/24	145/165
170-180	77-82	22/25	152/172
180-190	82-86	22/25	152/172
190-200	86-91	23/26	159/179
200-210	91-95	23/26	159/179
210-220	95-100	24/27	165/186
220-230	100-104	24/27	165/186
230-240	104-109	25/28	172/193
240-250	109-113	25/28	172/193

⚠ WARNING

Do not exceed the minimum and maximum pressure limits of the manufacturer. See the tire sidewall for limits.

ASSEMBLY & SETUP

SUSPENSION SETUP

Your weight, riding style and the trails you ride all factor into how you will want to set up your suspension. Personal preferences will determine the exact settings that will work best for you. If you don't have the necessary skills to set up your suspension, please refer to your local bike shop or authorized Forbidden dealer for professional help from a qualified person.

- To set up the fork suspension, check the manufacturer and model fitted to your e-bike. Visit the Forbidden website for our setup guides, https://forbiddenbike.com/tech-support
- To set up the rear shock, check the manufacturer and model fitted to your e-bike. Visit the Forbidden website for our setup guides, https://forbiddenbike.com/tech-support

⚠WARNING - Incremental Changes.
Any bike's handling is highly influenced by each adjustment made to the fork or shock's adjustment dials. Please take it easy on your first test ride.
To reduce the likelihood of crashing, make small incremental changes to your fork and shock settings. Make mental or physical notes as to where you are with your settings.

⚠WARNING - Maximum Pressure Limits.
Do not exceed the maximum pressure limit of the manufacturer. Refer to the manufacturer's literature for more information.

Please read the important information below regarding the rear shock setup procedure.
We recommend always removing the shock pump before cycling the suspension as best practice.

IMPORTANT INFORMATION:

DO NOT COMPRESS SUSPENSION WHILE SHOCK PUMP IS ATTACHED

Failure to **remove the shock pump** will result in **damage to the frame, shock, and/or pump.** See reverse of tag for proper setup procedure.

DO NOT REMOVE UNTIL READY TO RIDE.

Veuillez vous référer au manuel d'utilisation pour la traduction de cette étiquette /
Eine Übersetzung dieses Tags finden Sie im Benutzerhandbuch /
Fare riferimento al manuale utente per una traduzione di questo tag

SHOCK SETUP PROCEDURE:

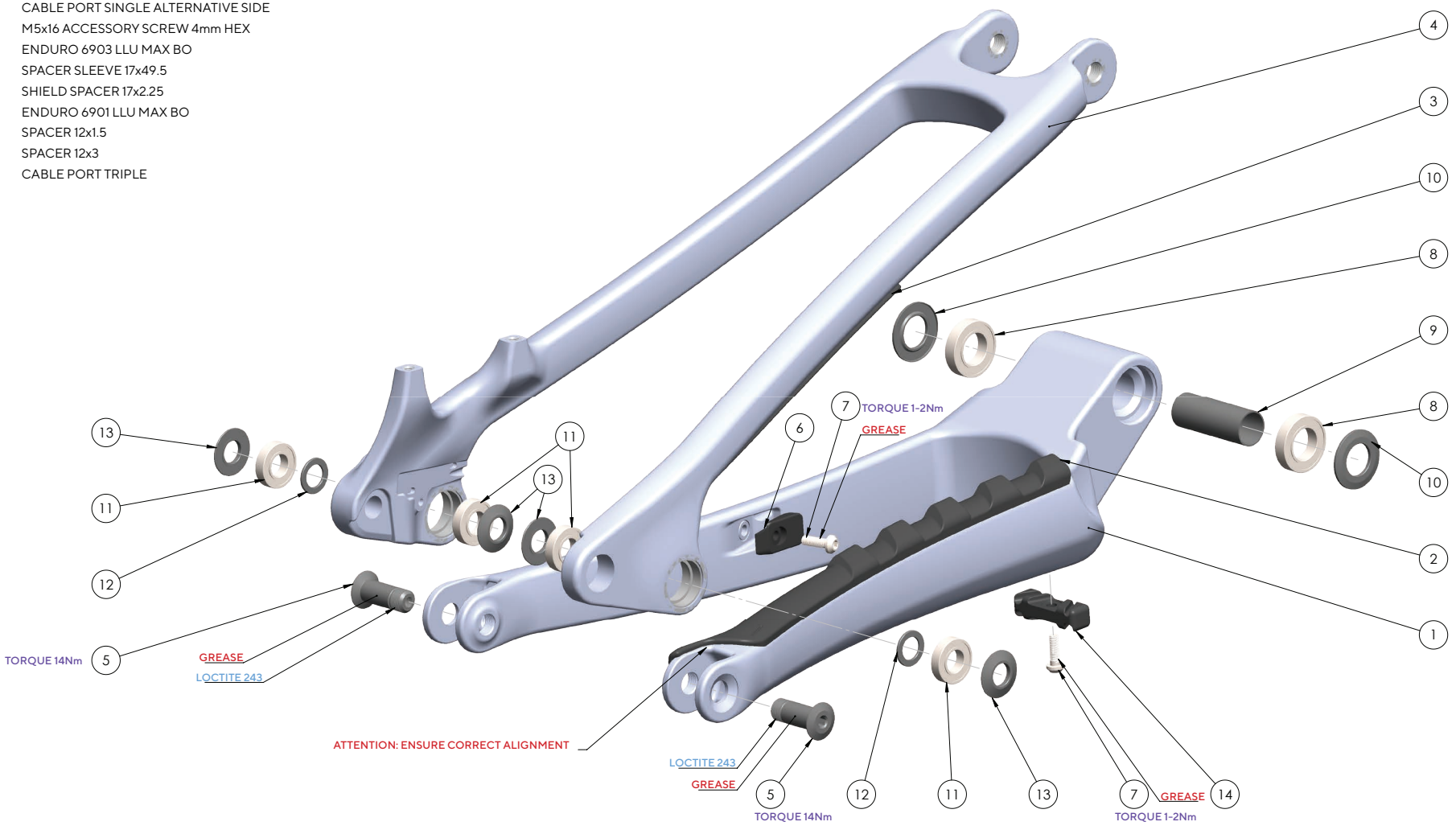
1. REMOVE SHOCK VALVE CAP
2. ATTACH PUMP TO SHOCK
3. INFLATE OR DEFLATE SHOCK TO DESIRED PRESSURE
4. **REMOVE PUMP** FROM SHOCK BEFORE PROCEEDING TO NEXT STEP
5. EQUALIZE SHOCK BY CYCLING THE SUSPENSION
6. REPEAT STEPS 2 - 5 AS NEEDED TO REACH DESIRED PRESSURE
7. REPLACE THE SHOCK VALVE CAP ONCE COMPLETE

Attention: by removing this tag, you are acknowledging that you have read and understood the warning on this label, and you will adhere to the shock setup procedure / Attention : en retirant cette étiquette, vous reconnaissez avoir lu et compris l'avertissement qui y figure et vous vous engagez à respecter la procédure de réglage du choc / Durch das Entfernen dieses Etiketts bestätigen Sie, dass Sie die Warnhinweise auf diesem Etikett gelesen und verstanden haben und die Anweisungen zur Schockvorbereitung befolgen werden / Attenzione: rimuovendo questa etichetta, dichiari di aver letto e compreso l'avvertenza su questa etichetta e di rispettare la procedura di installazione dell'ammortizzatore

EXPLODED VIEWS

SEATSTAY & CHAINSTAY

ITEM NO.	DESCRIPTION
1	CHAINSTAY
2	V3 CHAINSTAY PROTECTOR
3	V3 SEATSTAY PROTECTOR
4	SEATSTAY
5	SHAFT 12x30
6	CABLE PORT SINGLE ALTERNATIVE SIDE
7	M5x16 ACCESSORY SCREW 4mm HEX
8	ENDURO 6903 LLU MAX BO
9	SPACER SLEEVE 17x49.5
10	SHIELD SPACER 17x2.25
11	ENDURO 6901 LLU MAX BO
12	SPACER 12x1.5
13	SPACER 12x3
14	CABLE PORT TRIPLE

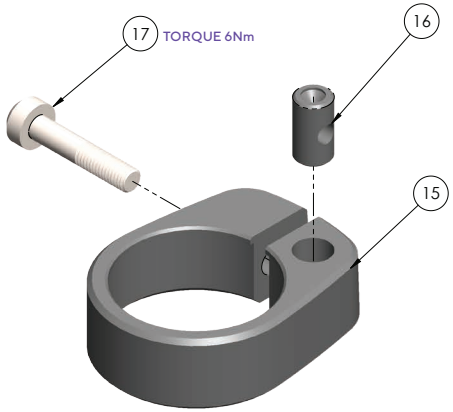


ATTENTION: APPLY LIGHT FILM OF GREASE TO BEARING BORES BEFORE INSTALLATION

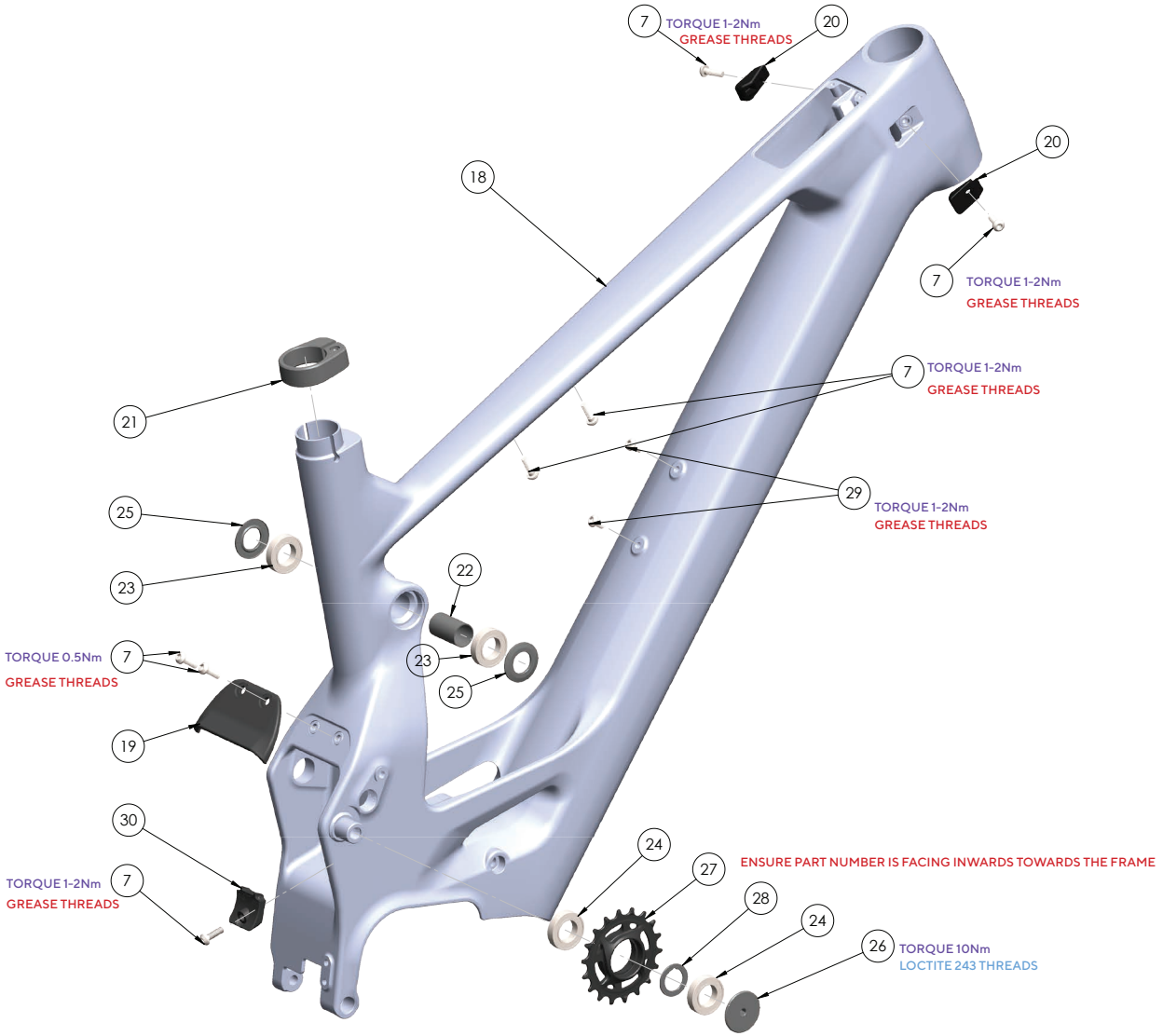
EXPLODED VIEWS

FRONT TRIANGLE

ITEM NO.	DESCRIPTION
15	SEAT CLAMP
16	SEAT CLAMP BARREL
17	SEAT CLAMP SCREW



ITEM NO.	DESCRIPTION
7	M5x16 ACCESSORY SCREW 4mm HEX
18	FRONT TRIANGLE
19	V3 FENDER
20	CABLE PORT SINGLE
21	SEAT CLAMP ASSEMBLY
22	SPACER SLEEVE 17x31.5
23	ENDURO 6903 LLU MAX BO
24	ENDURO 6903 LLU SOLID LUBE
25	SHIELD SPACER 17x2.25
26	IDLER PULLEY SCREW [DOUBLE BEARING] - 10x1
27	IDLER PULLEY 18T [DOUBLE BEARING]
28	SPACER 17x1.5
29	M5x8 SHORT ACCESSORY SCREW
30	CABLE PORT QUAD [2x5mm | 2x3mm]

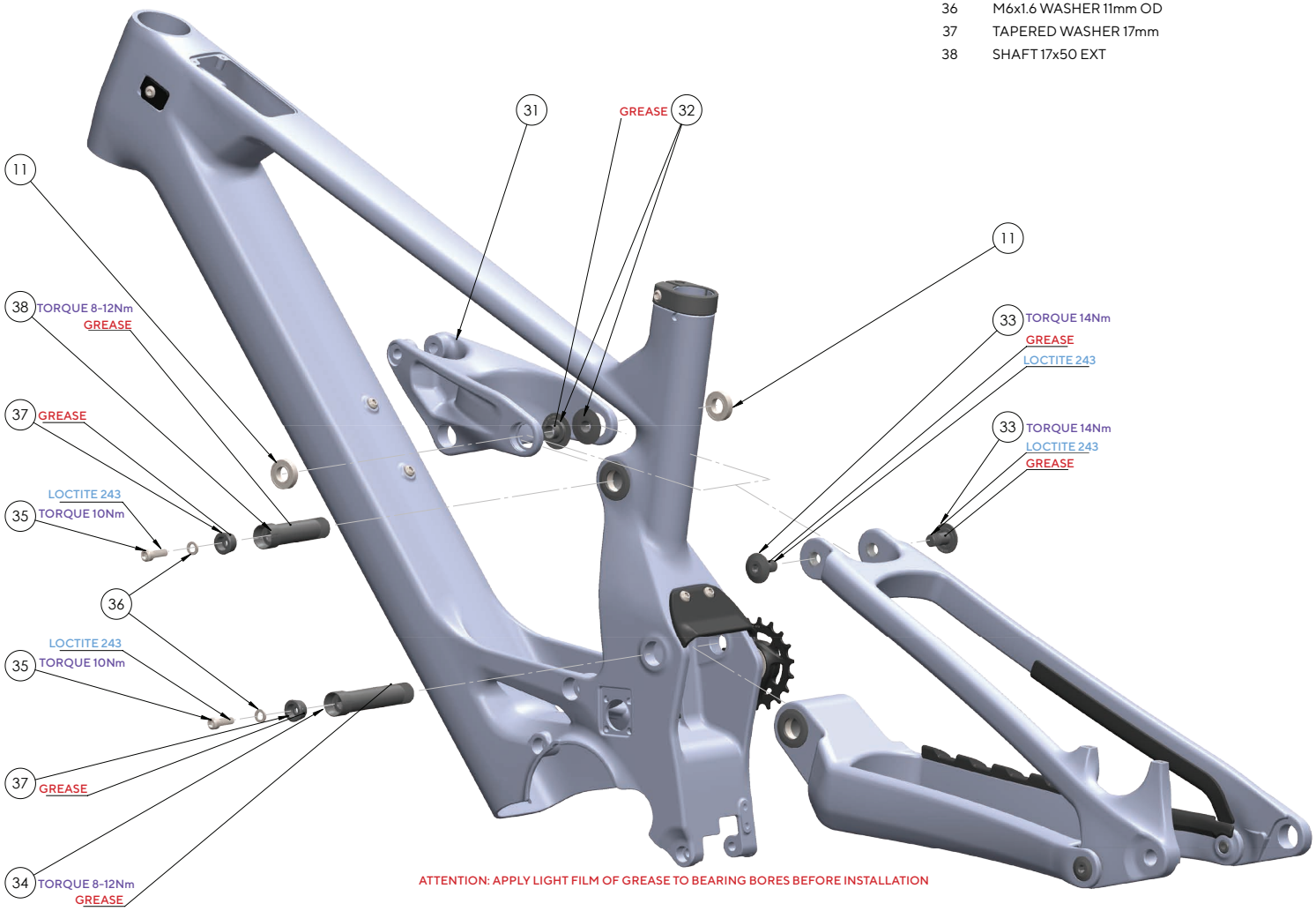


ATTENTION: APPLY LIGHT FILM OF GREASE TO BEARING BORES BEFORE INSTALLATION

EXPLODED VIEWS

ROCKER LINK & MAIN PIVOT

ITEM NO.	DESCRIPTION
11	ENDURO 6901 LLU MAX BO
31	ROCKER LINK
32	SPACER 10x4 FLANGED TOP HAT
33	SCREW 10x1x18.5 24mm OD
34	SHAFT 17x66 EXT
35	M6x20 TAPER SOCKET SCREW 5mm HEX
36	M6x1.6 WASHER 11mm OD
37	TAPERED WASHER 17mm
38	SHAFT 17x50 EXT

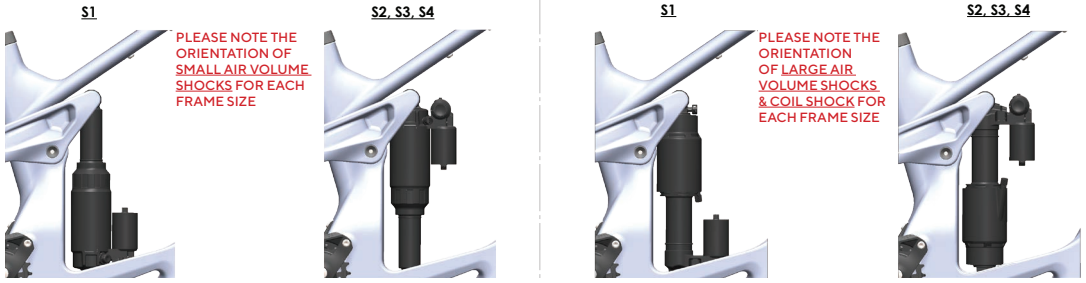


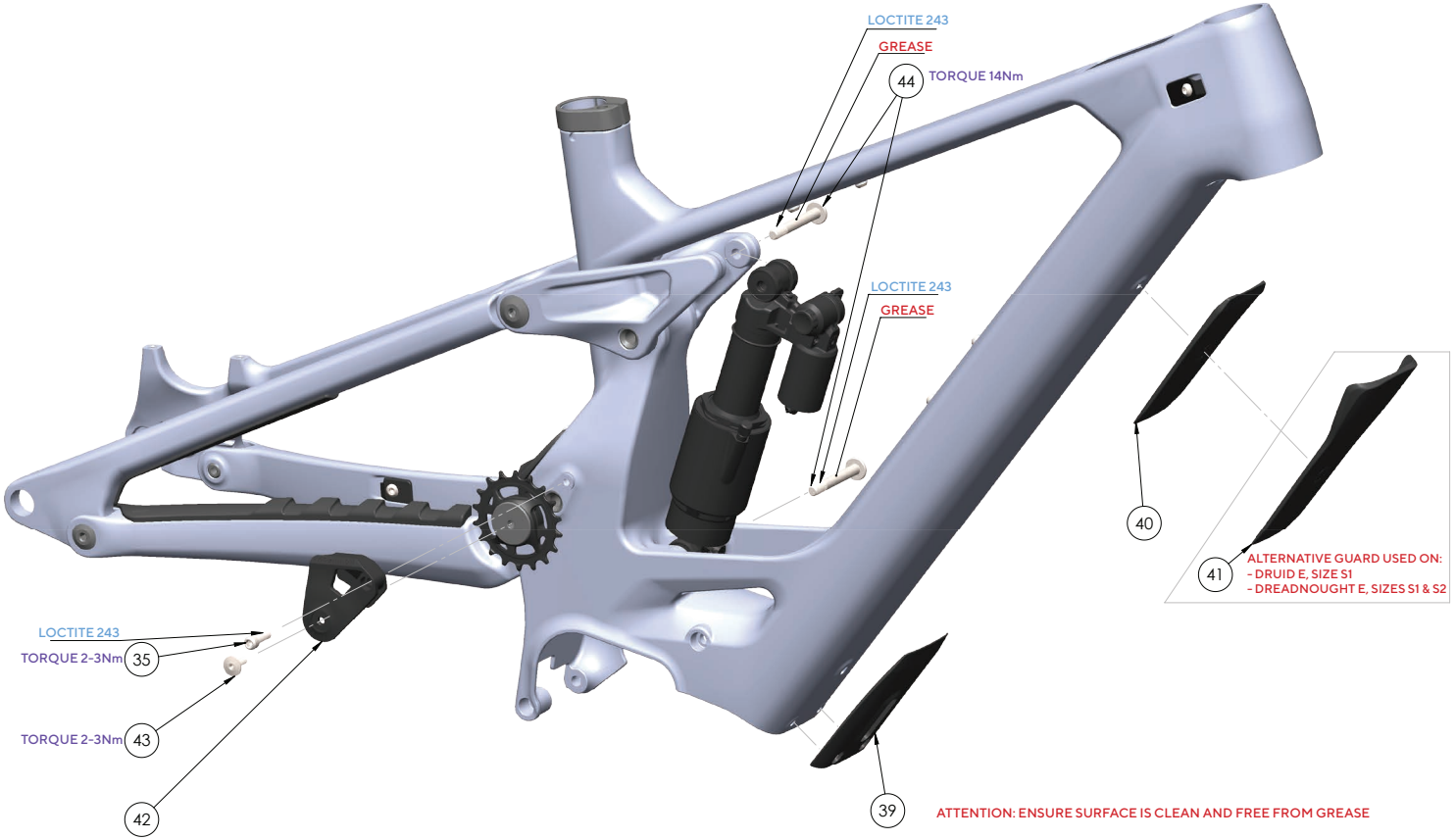
ATTENTION: APPLY LIGHT FILM OF GREASE TO BEARING BORES BEFORE INSTALLATION

EXPLODED VIEWS

DOWNTUBE PROTECTION, CHAINGUIDE & SHOCK

ITEM NO.	DESCRIPTION
35	M6x20 TAPER SOCKET SCREW 5mm HEX
39	E-MTB LOWER DOWNTUBE GUARD
40	SHUTTLE GUARD
41	SHUTTLE GUARD & BUMP STOP
42	V2 RACE GUIDE
43	M5x16 - LEFT HAND THREAD SCREW 3mm HEX
44	SHOCK SCREW M8x1.25x58





ATTENTION: ENSURE SURFACE IS CLEAN AND FREE FROM GREASE

ATTENTION: ENSURE CORRECT ALIGNMENT

Visit the Forbidden website for more detail and most up to date version, https://forbiddenbike.com/tech-support

CABLE ROUTING

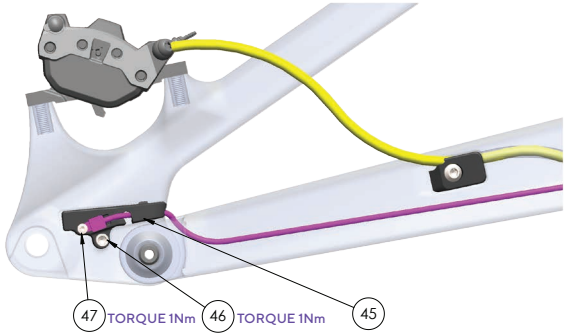
OVERVIEW

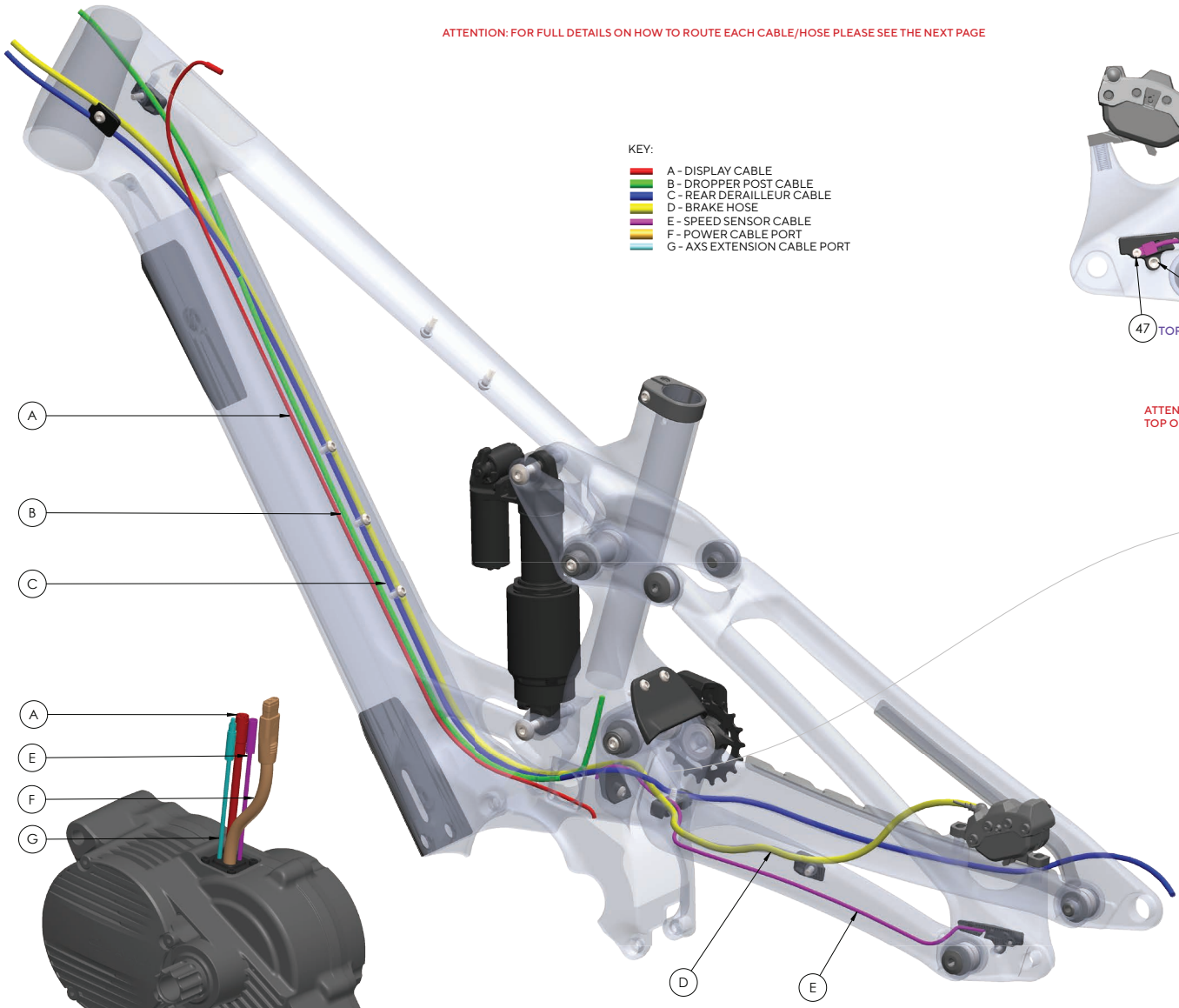
ITEM NO.	DESCRIPTION
45	SPEED SENSOR HOLDER
46	M4x10 SOCKET SCREW 4mm HEX
47	M3 AVINOX SPEED SENSOR SCREW 2mm HEX

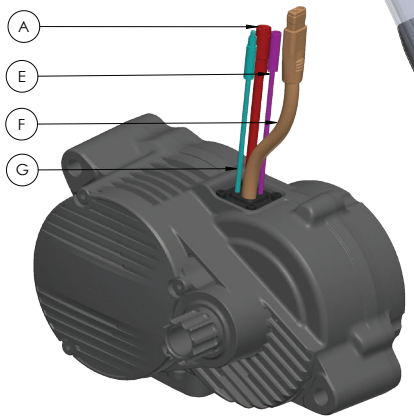
ATTENTION: FOR FULL DETAILS ON HOW TO ROUTE EACH CABLE/HOSE PLEASE SEE THE NEXT PAGE

KEY:

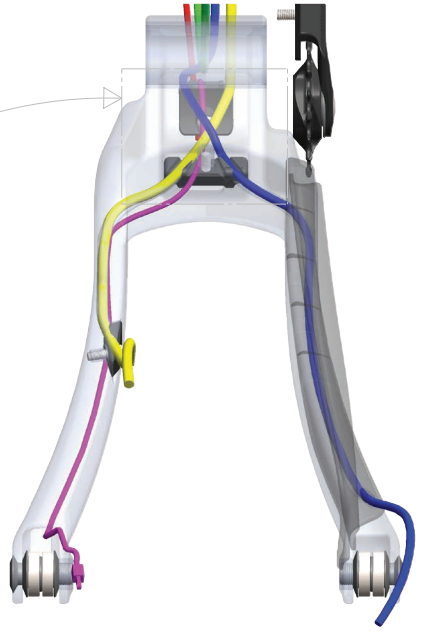
- A - DISPLAY CABLE
- B - DROPPER POST CABLE
- C - REAR DERAILLEUR CABLE
- D - BRAKE HOSE
- E - SPEED SENSOR CABLE
- F - POWER CABLE PORT
- G - AXS EXTENSION CABLE PORT







ATTENTION: SEE HOW THE REAR DERAILLEUR CABLE CROSSES OVER THE TOP OF THE BRAKE HOSE IN THIS ZONE, FULL DETAILS ON THE NEXT PAGE



CABLE ROUTING

DETAILED VIEW

KEY

- A - DISPLAY CABLE
- B - DROPPER POST CABLE
- C - REAR DERAILLEUR CABLE
- D - BRAKE HOSE
- E - SPEED SENSOR CABLE

STEP 1: A - DISPLAY CABLE

STARTING FROM THE DISPLAY PORT IN THE TOP TUBE, ROUTE THE CABLE ALONG THE TOP OF THE DOWNTUBE.

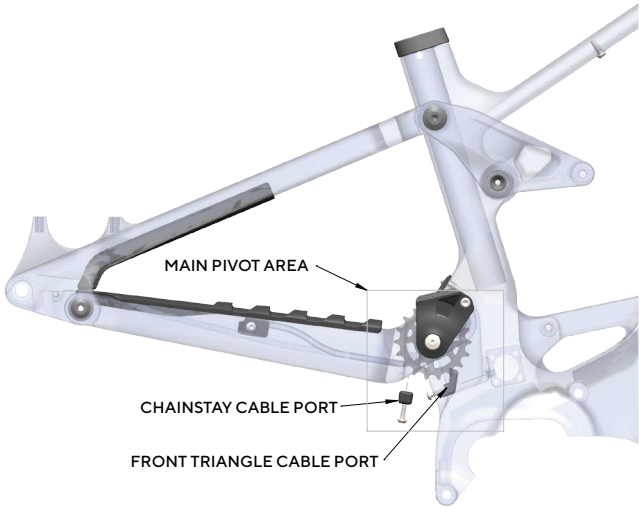
STEP 2: B - DROPPER POST CABLE

ROUTE THROUGH THE RIGHT-HAND HEAD TUBE CABLE PORT. ROUTE THE CABLE ALONG THE TOP OF THE DOWNTUBE. WITH THE MOTOR REMOVED, ROUTE CABLE UP THE SEAT TUBE.

STEP 3: C, D & E - REAR DERAILLEUR CABLE, BRAKE HOSE & SPEED SENSOR CABLE

3.1:

REMOVE THE SHOCK AND CYCLE THE SUSPENSION TO FULL COMPRESSION (BOTTOMED OUT). USE A STRAP TO HOLD IT IN THIS POSITION. THIS WILL PROVIDE BETTER ACCESS TO THE UNDERSIDE OF THE MAIN PIVOT AREA. IT ALSO HELPS TO ROTATE THE FRAME IN THE BIKE STAND SO THAT THE MAIN PIVOT AREA IS AT HEAD HEIGHT TO WORK ON.

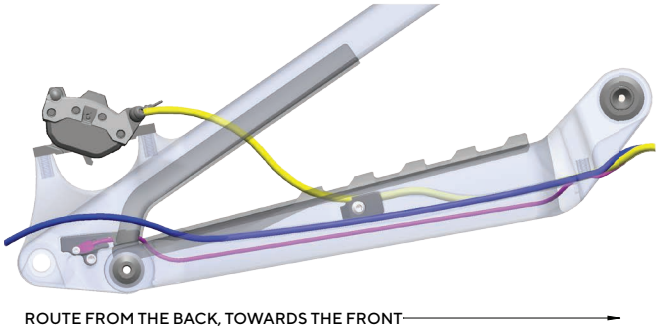


3.2:

REMOVE THE CABLE PORT CLAMPS FROM THE CHAINSTAY AND THE FRONT TRIANGLE IN THE MAIN PIVOT AREA.

3.3:

FASTEN THE BRAKE CALIPER, REAR DERAILLEUR AND SPEED SENSOR IN POSITION AND THEN START ROUTING FROM THE BACK OF THE BIKE AND WORK FORWARDS.



CABLE ROUTING

DETAILED VIEW CONTINUED

KEY

- A - DISPLAY CABLE
- B - DROPPER POST CABLE
- C - REAR DERAILLEUR CABLE
- D - BRAKE HOSE
- E - SPEED SENSOR CABLE

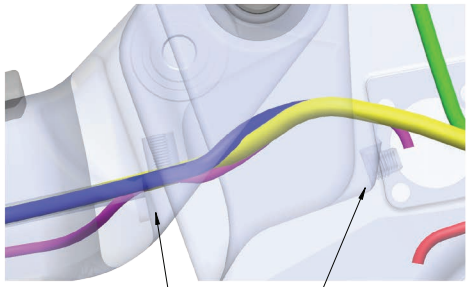
3.4:
THE CHAINSTAY PROTECTOR WILL NEED TO BE PERFORATED USING A PICK. THE DERAILLEUR CABLE HOUSING OR AXS EXTENSION CORD CAN THEN BE PUSHED THROUGH THE OPENING.

PERFORATE

AXS EXTENSION CORD

DERAILLEUR HOUSING

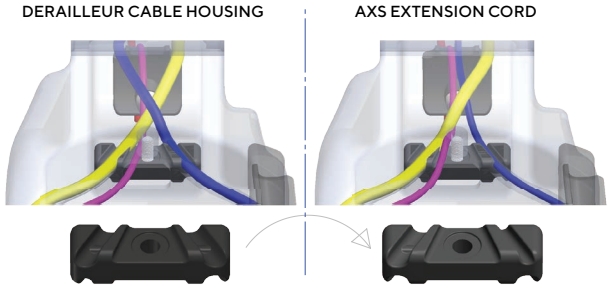
3.5:
THE CABLES AND BRAKE HOSE WILL EXIT THE CHAINSTAY PORTS NEAR THE MAIN PIVOT FROM HERE THEY NEED TO PASS INTO THE FRONT TRIANGLE THROUGH THE PORT AT THE BOTTOM OF THE SEAT TUBE.



CHAINSTAY CABLE PORTS

FRONT TRIANGLE CABLE PORT

3.6:
ARRANGE THE CABLES AND BRAKE HOSE AS SHOWN IN THE ILLUSTRATIONS BELOW. RE-INSTALL THE CABLE PORT CLAMPS.

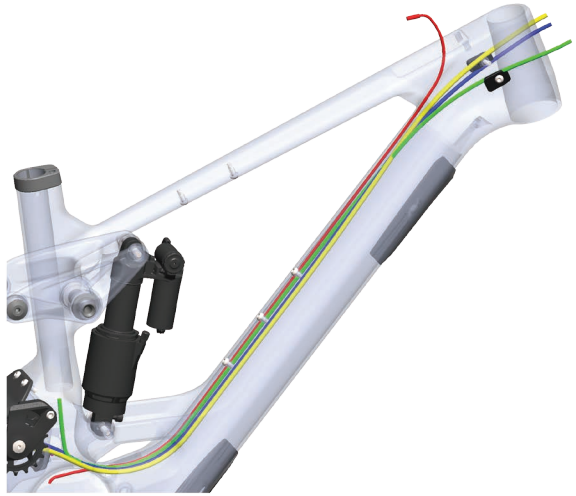


THE CHAINSTAY CABLE PORT CLAMP IS BI-DIRECTIONAL. FLIP IT ALONG ITS LENGTH TO SUIT THE CABLE HOUSING OR AXS EXTENSION CORD.

3.7:
WITH THE REAR SUSPENSION AT FULL COMPRESSION (BOTTOMED OUT), CLAMP THE CABLES AND HOSE IN PLACE [1-2Nm]. BE CAREFUL NOT TO PINCH ANY OF THE CABLES OR OVER-TIGHTEN AND PINCH THE INNER CABLE.

ONCE CLAMPED, THE SUSPENSION CAN BE CYCLED TO FULL EXTENSION AND RE-INSTALL THE SHOCK.

3.8:
DERAILLEUR CABLE HOUSING AND BRAKE HOSE ARE ROUTED ALONG THE TOP OF THE DOWNTUBE AND UP TOWARDS THE HEAD TUBE. USE THE DISPLAY PORT IN THE TOP TUBE TO HELP GUIDE THE CABLE/HOSE THROUGH THE HEAD TUBE CABLE PORTS.



BATTERY & MOTOR INSTALLATION

STEP 1: 600Wh OR 800Wh BATTERY

1.1:
SLIDE THE BATTERY INTO THE DOWN TUBE FROM THE BOTTOM.

1.2:
SECURE THE BATTERY USING THE UPPER AND LOWER BOLTS TO THE SPECIFIED TORQUE. NOTE, FOR THE 800Wh BATTERY, THE TOP BOLT IS INSTALLED VIA THE TOP TUBE MOUNTING HOLE FOR THE DISPLAY SCREEN.

SEE VIEWS ON PAGE 23 FOR REFERENCE.

STEP 2: DISPLAY SCREEN

A SIM CARD IS NOT INCLUDED WITH THE E-BIKE. REFER TO THE PRODUCT MANUFACTURER'S LITERATURE FOR INSTALLATION DETAILS, IF NEEDED.

2.1:
PLUG THE DISPLAY CABLE (CABLE A) TO THE DISPLAY SCREEN CABLE PORT.

2.2:
INSTALL THE DISPLAY SCREEN TO THE TOP TUBE MOUNTING HOLE AND SECURE USING MOUNTING BOLTS TO THE SPECIFIED TORQUE.

SEE VIEWS ON PAGE 23 FOR REFERENCE.

STEP 3: MULTIPORT CABLE CHARGER PORT AND BATTERY CONNECTOR

3.1:
ENSURE THE CHARGER PORT'S CABLES ARE ORIENTED UPWARDS AND LOOPED BEHIND PRIOR TO INSTALLATION.

3.2:
PLACE THE DOOR SEAL OVER THE FACE OF THE CHARGER PORT. WITH THE CHARGER PORT IN PLACE, INSTALL AND SECURE THE CHARGER PORT COVER ASSEMBLY TO THE SEAT TUBE MOUNTING HOLE TO THE SPECIFIED TORQUE.

3.3:
CONNECT THE MULTIPORT CABLE'S BATTERY CONNECTOR TO THE BATTERY PORT.

SEE VIEWS ON PAGE 23 FOR REFERENCE.

STEP 4: MOTOR AND COVER

4.1:
PRIOR TO SECURING THE MOTOR TO THE FRAME, CONNECT THE MOTOR CABLES TO THE DISPLAY SCREEN (CABLE A), SPEED SENSOR (CABLE E) AND MULTIPORT CABLE POWER CONNECTOR (CABLE F).

4.2:
ALIGN THE MOTOR WITH THE FRAME AND SECURE WITH MOUNTING HARDWARE TO THE SPECIFIED TORQUE.

4.3:
INSERT THE FRONT PART OF THE MOTOR COVER TO THE DOWN TUBE OF THE FRAME. ALIGN THE MIDDLE PART OF THE MOTOR COVER WITH THE MOTOR HEAT SINK AND PRESS DOWN FIRMLY.

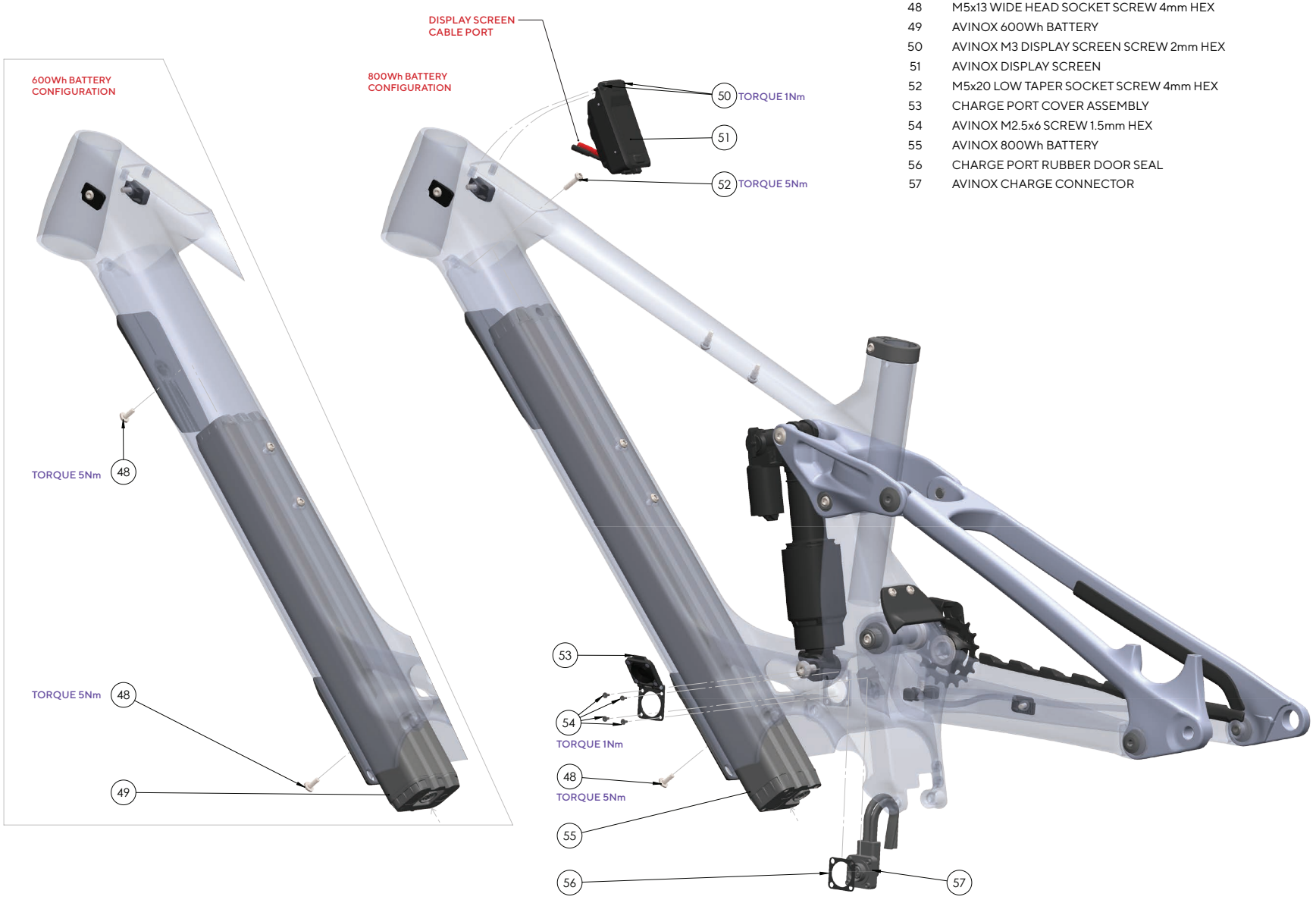
4.4:
TO SECURE THE MOTOR COVER, FIRST INSTALL THE TWO FRONT BOLTS WITHOUT TIGHTENING THEM; AND THEN INSTALL THE BACK BOLT WITHOUT TIGHTENING IT. TIGHTEN THE BOLTS SEQUENTIALLY FROM FRONT TO BACK TO THE SPECIFIED TORQUE.

SEE VIEWS ON PAGES 19 & 24 FOR REFERENCE.

BATTERY & MOTOR INSTALLATION

CONTINUED

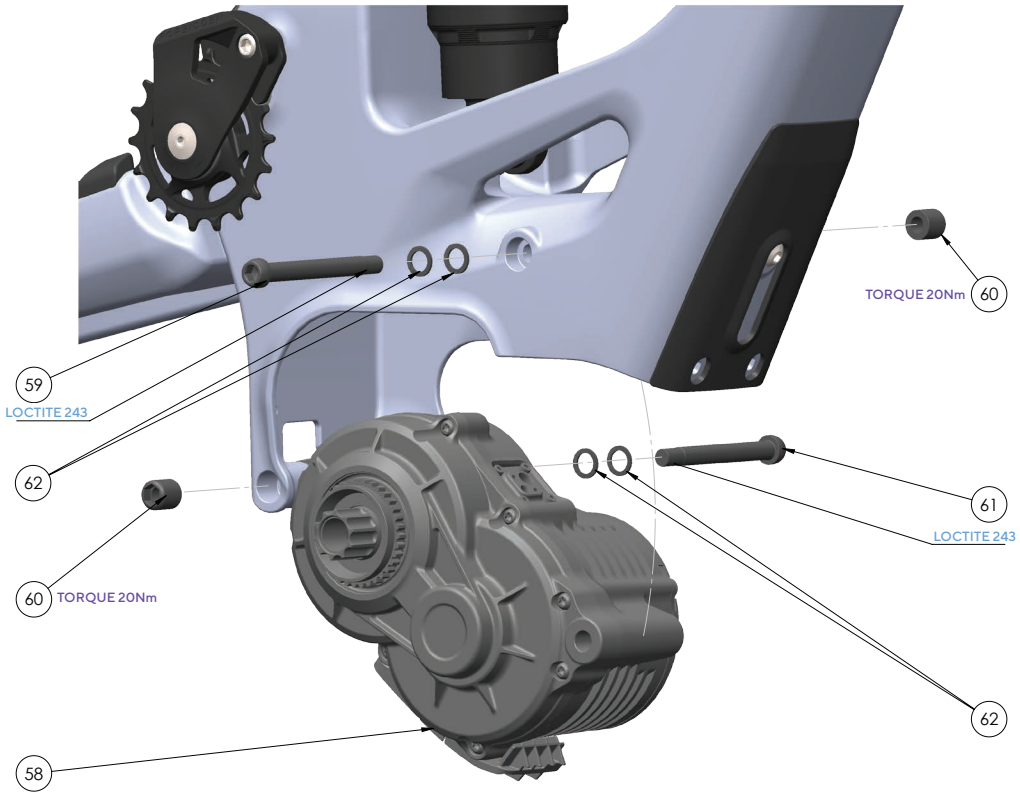
ITEM NO.	DESCRIPTION
48	M5x13 WIDE HEAD SOCKET SCREW 4mm HEX
49	AVINOX 600Wh BATTERY
50	AVINOX M3 DISPLAY SCREEN SCREW 2mm HEX
51	AVINOX DISPLAY SCREEN
52	M5x20 LOW TAPER SOCKET SCREW 4mm HEX
53	CHARGE PORT COVER ASSEMBLY
54	AVINOX M2.5x6 SCREW 1.5mm HEX
55	AVINOX 800Wh BATTERY
56	CHARGE PORT RUBBER DOOR SEAL
57	AVINOX CHARGE CONNECTOR



BATTERY & MOTOR INSTALLATION

CONTINUED

ITEM NO.	DESCRIPTION
58	AVINOX DRIVE UNIT, M2 OR M2S
59	AVINOX MOUNTING BOLT [LONG] 6mm HEX
60	AVINOX M8x1.25 NUT 8mm HEX
61	AVINOX MOUNTING BOLT [SHORT] 6mm HEX
62	AVINOX LOCKING WASHER
63	DRUID E & DREADNOUGHT E, MOTOR COVER, S1-S2
64	DRUID E, MOTOR COVER, S3-S4
65	DREADNOUGHT E, MOTOR COVER, S3-S4
66	M4x10 LOW TAPER SOCKET SCREW 3mm HEX



ALTERNATIVE MOTOR COVERS USED ON:

DRUID E, S3 & S4

DREADNOUGHT E, S3 & S4

IDENTIFYING EACH MOTOR COVER:

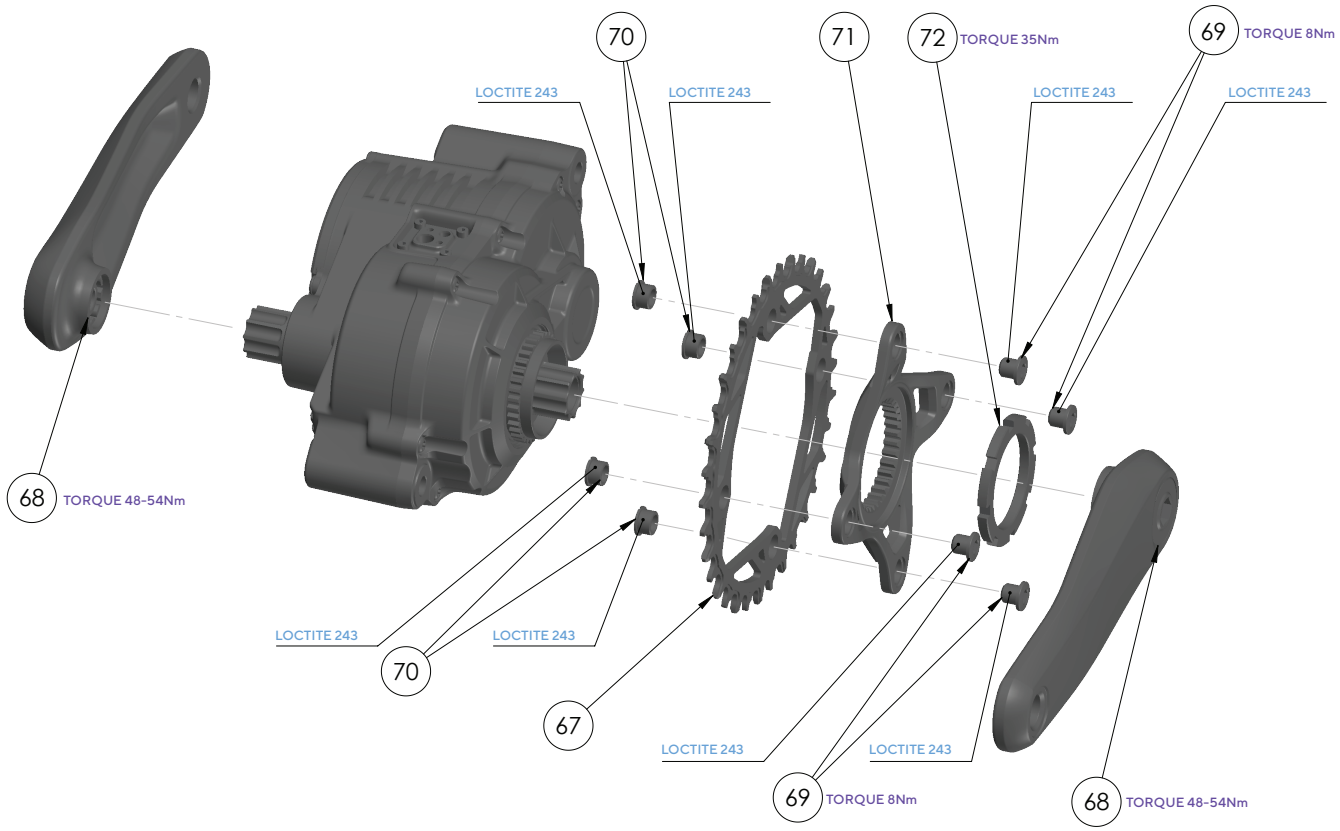
VLD-II-1813
= DRUID E & DREADNOUGHT E, S1 - S2

VLD-II-1814
= DRUID E, S3 - S4

VLD-CI-1903
= DREADNOUGHT E, S3 - S4

CRANK & SPIDER INSTALLATION

ITEM NO.	DESCRIPTION
67	CHAINRING
68	CRANKS
69	CHAINRING BOLTS
70	CHAINRING NUTS
71	CHAINRING SPIDER 104 BCD
72	SPIDER LOCKING RING



USING THE AVINOX SYSTEM

DRIVE SYSTEM & AVINOX APP

The e-bike is equipped with the Avinox Drive System. Scan the QR code for,

- The latest technical specifications and user manual to learn more about how to use the system, advanced functions and features, maintenance, and other important information.
- The Avinox App. In order to have the best user experience, we recommend connecting the e-bike to the latest version of the app.

⚠ WARNING - Important Safety Instructions.
Please read and familiarize yourself with the Important Safety Instructions Pertaining to the Risk of Fire or Electric Shock in the Battery & Charger section of this user manual before riding or servicing your e-bike.

PAIR & ACTIVATE

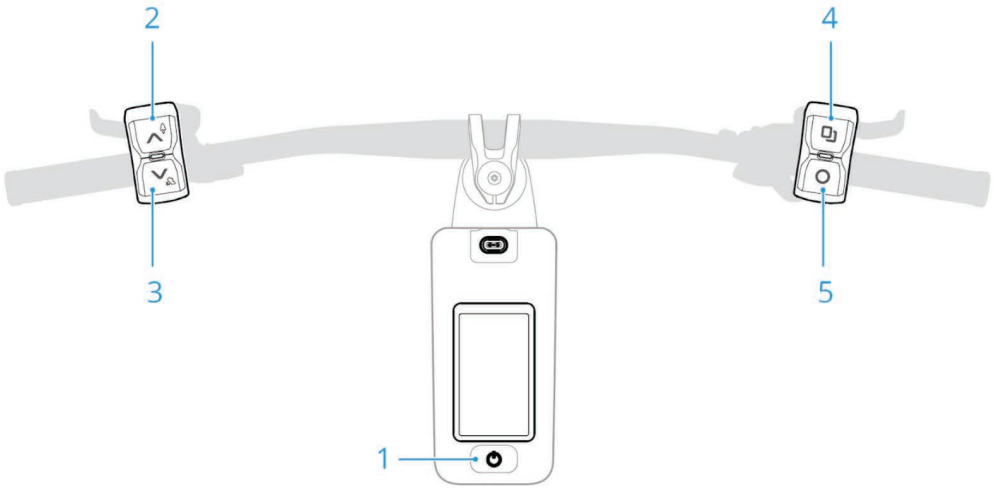
When powered on for the first time, follow the prompt on the bike screen to complete pairing and activation. Tap **Skip** to ride for trial without activation. After the trial distance has run out, follow the steps below to pair and activate before you can continue to use your e-bike,

1. Press and hold the power button of the control display to power on.
2. Swipe up on the screen to enter **Settings**, and tap **Pair to App** to view the QR code.
3. Make sure Bluetooth and network are enabled on your mobile device.
4. Open the Avinox App, then tap **Pair** and scan the QR code to pair.

USING THE AVINOX SYSTEM

BUTTON FEATURES

The e-bike is fitted with a control display and wireless controllers. Prior to riding, ensure you are familiar and comfortable with the functions and operations of the controls, including assist and additional modes.



⚠WARNING - Limit Distractions.
Wireless controllers are fitted to the handlebars to allow you to control the drive system without needing to lift a hand from the handlebars. For your safety and the safety of others, avoid being distracted by the display screen and do not use the control display while in motion. Failure to do so may lead to loss in control and/or damage.

1. Power Button
Press and hold to power on/off. Press and hold for 20s to force power off. When powered on for the first time, follow the prompts to select the language and activate the system. After powering on, press to switch the assist modes between Off, Auto, Eco, Trail, and Turbo.

2. Assistance Level Increase Button
Press to switch the assist modes in the order of Off > Auto > Eco > Trail > Turbo. Press and hold to activate Boost mode, and the bike screen will display a countdown. Press the power button or assistance level increase/decrease buttons to exit Boost mode.

3. Assistance Level Decrease Button
Press to switch the assist modes in the order of Turbo > Trail > Eco > Auto > Off. Press and hold and then release the button to activate Walk mode. Once activated, press and hold the button to get power assistance to help push the bike uphill. Press any other button to exit Walk mode.

4. Screen Switch Button (Customizable)
Press to control the bike screen to slide right. Swipe up on the bike screen to enter Settings, and then you can customize functions for the button in Customize Controls.

5. Function Button (Customizable)
Press to control the bike screen to slide left. When the bike screen is on the Settings page, press to return to the previous page. Swipe up on the bike screen to enter Settings, and then you can customize functions for the button in Customize Controls.

USING THE AVINOX SYSTEM

ASSIST & ADDITIONAL MODES

ASSIST MODES

The four stock modes offer varying levels of assistance to handle different riding scenarios.

Auto Mode: This mode automatically adjusts assistance based on different riding situations, providing moderate assistance to enhance the range.

Eco Mode: With gradual start-up acceleration and lower assistance, this mode conserves battery energy and is suitable for longer-distance mellow riding.

Trail Mode: This mode provides moderate start-up acceleration and stronger assistance and is suitable for those difficult climbs and technical routes.

Turbo Mode: This mode provides maximum acceleration and maximum assistance. Good for getting places, fast!

ADDITIONAL MODES

Boost Mode

In addition to the standard assist modes, the drive system also supports the Boost mode with extra assistance for a short duration, which can help users ride with greater drive torque and power. This mode is suitable for challenging riding scenarios such as overcoming obstacles and climbing hills.

Press and hold ^ to activate Boost mode. During the period, the assistance will shut off when you stop pedaling. To exit Boost mode, press the power button or the assistance level increase/decrease buttons.

Walk Mode

Press and hold v to activate Walk mode, then press and hold the button to get power assistance when pushing the bike or starting upon an incline. It also supports auto hold to prevent rollback on slopes. The assistance will shut off automatically when stop pressing v or the speed exceeds 6km/h.

Stationary Gear Shifting

Stationary gear shifting is supported when using Walk mode. After activating Walk mode, press the shift lever and lift the rear wheel, then press v twice to shift gears quickly.

⚠CAUTION - Walk Mode.

Only use Walk Mode when pushing the e-bike, or to help with shifting gears. In Walk Mode, the crank and pedals will rotate. Ensure to keep your body away from the rotating crank and pedals to avoid potential injury. Using Walk Mode in inappropriate situations may lead to accidents and personal injury ranging in severity depending on the situation.

BATTERY & CHARGER

IMPORTANT SAFETY INSTRUCTIONS PERTAINING TO RISK OF FIRE OR ELECTRIC SHOCK

⚠**WARNING -** ONLY USE THE OFFICIAL AVINOX BATTERY, CHARGER AND DRIVE SYSTEM COMPONENTS THAT ARE SPECIFICALLY DESIGNED FOR EACH E-BIKE AND APPROVED BY FORBIDDEN BIKE COMPANY. DO NOT USE, INSTALL OR CONNECT INCOMPATIBLE AVINOX COMPONENTS OR THIRD-PARTY PARTS.

⚠**WARNING -** PLUG THE CHARGER DIRECTLY TO A STANDARD WALL OUTLET THAT IS PROPERLY INSTALLED AND GROUNDED IN ACCORDANCE WITH LOCAL CODES AND REGULATIONS. DO NOT MODIFY THE CHARGER PLUG OR USE EXTENSION LEADS.

⚠**WARNING -** DO NOT CHARGE THE E-BIKE IN A WET ENVIRONMENT, OR NEAR FLAMMABLE MATERIALS OR HEAT SOURCES. ENSURE THE CHARGING PORT IS CLEAN AND DRY PRIOR TO CHARGING.

⚠**WARNING -** WHILE CHARGING, PLACE THE CHARGER ON A LEVEL SURFACE THAT IS NON-FLAMMABLE, AND MAKE SURE TO NOT MOVE THE BIKE OR CRANKS. ALWAYS BE PRESENT WHEN CHARGING THE BATTERY, DO NOT LEAVE THE BATTERY PLUGGED-IN OR LET IT CHARGE OVERNIGHT. DISCONNECT THE BATTERY WHEN IT IS FULLY CHARGED, DO NOT OVERCHARGE THE BATTERY. IMMEDIATELY DISCONNECT THE BATTERY FROM THE CHARGER WHEN A PROBLEM OCCURS DURING THE CHARGING PROCESS, E.G. WHEN THE CHARGER OR BATTERY GETS EXTREMELY HOT, OR WHEN THE LED LIGHT SIGNALS A PROBLEM. IF IN ANY DOUBT OF CATASTROPHIC PRODUCT FAILURE DURING CHARGING, SUCH AS VISIBLE GASES OR OVERHEATING, CALL YOUR LOCAL FIRE DEPARTMENT AS SOON AS POSSIBLE.

⚠**WARNING -** BE CAREFUL TO NOT DAMAGE OR EXPOSE ELECTRICAL COMPONENTS TO WATER. ENSURE THE E-BIKE IS TURNED OFF, AND THE CHARGE PORT AND THE DISPLAY SCREEN'S USB-C PORT ARE CLOSED PRIOR TO WASHING. DO NOT PRESSURE WASH THE BATTERY, MOTOR, OR ANY OTHER ELECTRICAL COMPONENTS.

SAVE THESE INSTRUCTIONS for future reference.

WARNING - Basic precautions should always be followed when handling, charging, cleaning, storing, or transporting your e-bike, or disposing of your battery and charger, including,

1. Read all instructions before using the e-bike.
2. To reduce the risk of injury, close supervision is necessary when the e-bike is used near children. Keep batteries and chargers away from children.
3. The drive system does not contain user-maintainable or serviceable parts. Maintenance and servicing should be performed by a qualified person. Do not put fingers or hands into the e-bike.
4. Do not use or charge the e-bike if there appears to be signs of wear or other damage to system components or accessories, including the charger, charger cables and charger port. Contact your authorized Forbidden dealer for support.
5. This equipment is not intended to be used at ambient temperatures less than -10°C (14°F) or above ambient temperatures of 40°C (104°F).
6. The battery is intended to be charged when the ambient temperature is between 0°C (32°F) and 40°C (104°C). Never charge the battery when ambient temperatures are outside this range. After each ride, allow the battery to cool down to approximately room temperature before charging.
7. Always follow the instructions contained on the label of the battery and battery charger.
8. DO NOT charge, handle or transport a damaged battery, or store a damaged battery indoors. Store the battery outside in a safe area in an appropriate specialty container. If the battery presents an immediate danger, eg visible gases, fire, fluid leakage, call your local fire department as soon as possible.

BATTERY & CHARGER

CHARGING INSTRUCTIONS

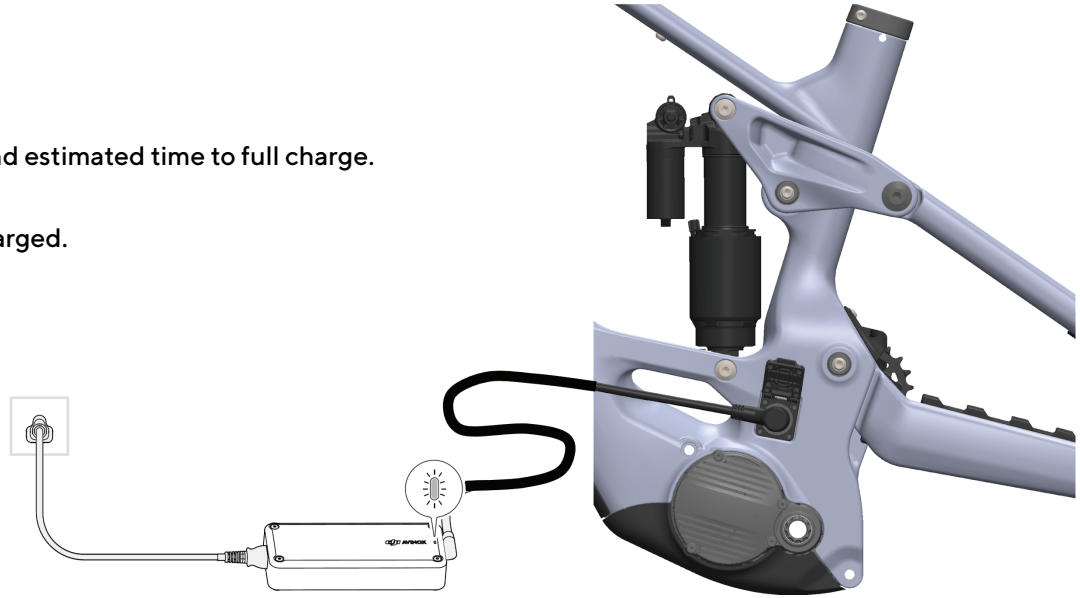
1. Turn off the drive system.
2. Open the charging port cover and connect the charger.
3. Place the charger on a level surface that is non-flammable.
4. During charging, the bike screen will display the current battery level and estimated time to full charge.
   DO NOT move the bike or cranks while charging.
5. Unplug the charger and close the port cover after the battery is fully charged.
   DO NOT pull the power cable by force when removing the charger.

LED INDICATOR:

RED: The battery is charging

GREEN: Fully charged

YELLOW: The charger is connected incorrectly or abnormally

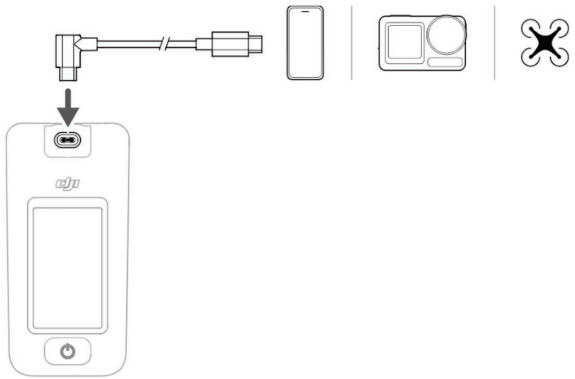


CHARGE TIMES

800Wh Battery	600Wh Battery
168W 4A Charger approx. 5 h 50 min (0–100%) approx. 4 h 28 min (0–75%)	**168W 4A Charger** approx. 4 h 45 min (0–100%) approx. 3 h 3 min (0–75%)
508W 12A Charger approx. 2 h 25 min (0–100%) approx. 1 h 30 min (0–75%)	**508W 12A Charger** approx. 2 h 25 min (0–100%) approx. 1 h 30 min (0–75%)

CHARGING EXTERNAL DEVICES

Use a USB-C cable to connect the control display to an external device. Then, power on the control display to charge the connected device.



BATTERY & CHARGER

GENERAL BATTERY CARE & STORAGE GUIDELINES

GUIDELINE	DETAILS
Storage Temperature	Store in a cool, dry place between 0°C to 40°C (32°F to 104°F). Avoid direct sunlight.
Battery Monitoring	Check battery levels and cycle counts regularly. Capacity may decline after 500 cycles (won't impact riding).
Low Battery Charging	Charge promptly when below 10% to avoid affecting battery life.
Damaged Charger Port or Cable	Stop using immediately if signs of wear/damage are present.
Overcharging	Disconnect when fully charged; overcharging can damage battery cells.
High Temperature Charging	Avoid charging at high temperatures; let the battery cool to room temperature before charging.
Ideal Charging Temperature	0°C to 40°C (32°F to 104°F) for optimal battery life.
Extended Inactivity	Fully discharge and recharge once every 3 months if unused for a while.
Storing Long-Term	Remove from frame and keep out of children's reach. Discharge to 30% before long-term storage.
High/Low Charge Storage Risk	Storing with high charge shortens life; low charge risks over-discharge.

⚠ WARNING - Damaged Battery.
DO NOT charge or handle a damaged battery, or store a damaged battery indoors. Store the battery outside in a safe area in an appropriate specialty container.

BATTERY & CHARGER

BATTERY DISPOSAL

Batteries, chargers and electronic devices cannot be disposed of through general refuse collection. They must be disposed of in an environmentally friendly manner following the applicable regulations in your country or state.

EUROPE: According to European Guideline 2012/19/EC and European Guideline 2006/66/EC, electronic devices/tools and batteries must be recycled separately and disposed of in an environmentally friendly manner.

GENERAL TRANSPORTATION GUIDELINES

- It is your responsibility to be informed and prepared for all applicable guidelines, regulations and laws to use your e-bike in the destination country or state prior to transportation.
- Be aware that an e-bike is heavier than a regular pedal bike. Please be cautious when carrying or lifting the e-bike.
- When transporting your e-bike on a motor vehicle bike rack, such as a trunk mount rack, hitch mount rack, or roof mount rack, ensure the carrier is appropriately rated.
- Make sure to remove all movable and loose parts of the e-bike prior to transportation.
- Lithium-ion (Li-on) batteries are classified as Dangerous Goods. Transporting the e-bike and battery may be subject to restrictions, and may require special handling, packaging, labeling and documentation, depending on how the battery is transported. It is your responsibility to be informed and prepared for all applicable guidelines, regulations and laws in the origin/destination countries or states, and transport regulations for Dangerous Goods. Discharge the battery to less than 30% prior to transportation.
- Always follow the instructions contained on the label of the battery and battery charger.

⚠WARNING - Turn OFF E-Bike.
The e-bike should be turned off while loading/unloading and during transportation. In addition to risk of fire, it may lead to accidents, personal injury and/or damage ranging in severity depending on the situation.

⚠WARNING - Damaged Battery.
DO NOT transport a damaged battery.

MAINTENANCE

Forbidden takes pride in the level of craftsmanship that is applied to each and every bike. Our bikes are tested beyond the safety standards adopted by many in the industry and we stand by our product 100%. However, Mountain Biking inherently applies a lot of stress on equipment, which will wear and fatigue parts at different rates. We strongly recommend that your bike is regularly inspected for loose bolts, signs of damage and wear, and any worn or damaged parts are replaced; and your bike is regularly cleaned, which can help reduce surface wear and extend the lifespan of parts.

⚠WARNING - Important Safety Instructions.

Please read and familiarize yourself with the Important Safety Instructions Pertaining to the Risk of Fire or Electric Shock in the Battery & Charger section of this user manual before riding or servicing your e-bike.

⚠WARNING - Periodic Inspection and Maintenance.

As with all mechanical parts, e-bikes are subjected to wear and high stresses. Regularly inspect your bike for any signs of wear or damage, and maintain or replace parts that you are qualified to perform. For your safety, we strongly recommend entrusting maintenance, part replacement, and troubleshooting to your authorized Forbidden dealer.

⚠CAUTION - Turn OFF E-Bike.

The e-bike should be turned off during all maintenance activities, unless if required.

MAINTENANCE

MAINTENANCE SCHEDULE

RECOMMENDED MAINTENANCE	BEFORE EVERY RIDE	AS NECESSARY	WEEKLY/MONTHLY	6-12 MONTHS
Check wheels are securely mounted and axles torqued	✓			
Wheels spin freely - no brake rub, resistance, or wobble	✓			
Check brake function and pad wear	✓			
Headset moves freely with no play	✓			
Handlebar grips, stem, and seatpost secure with no damage[1]	✓			
Check tire tread and sidewalls for damage; confirm pressure is within recommended range	✓			
Clean and lubricate chain and drivetrain	✓			
Check charger, plugs and cables for damage	✓			
Replace worn brake pads		✓		
Clean derailleur and speed sensor		✓		
Replace tires with excessive wear		✓		
Inspect rims for damage (buckles, cracks)[2]			✓	
Inspect all parts, including frame, for damage or wear			✓	
Ensure all cockpit parts are torqued to spec			✓	
Torque all bolts and fittings			✓	
True wheels and check spoke tension			✓	
Confirm brake pads are adequate; no fluid leaks			✓	
Inspect and adjust gear shifting			✓	
Check for system updates and new firmware			✓	
Discharge and charge battery completely, if not used for an extended period of time			✓	
Check electrical cables are secure; check for damage			✓	
Front and rear suspension adjusted and not leaking			✓	✓ FULL SERVICE
Clean and re-grease headset and freehubs				✓
Rebuild frame linkage; inspect/replace bearings				✓
Re-grease axles; torque fittings				✓
Dropper post service				✓
Full tune-up by competent mechanic				✓

[1] If grips are damaged and expose the end of the handlebar, replace them immediately.

[2] Like all composite materials, composite rims can be difficult to assess for damage since the wear may not show any visible signs. If you are unsure about the integrity of your rims, please contact the rim manufacturer for professional advice.

MAINTENANCE

CLEANING

- Ensure the drive system is turned off.
- Ensure any external devices are disconnected and electrical port covers are closed, including the battery charge port and display screen's USB-C port.
- Do not use a high pressure water spray to clean the electrical components, bearings and seals.
- Use a soft, dry cloth to clean the drive system. If necessary, use a damp cloth with a neutral detergent.
- Refer to the part manufacturer's instructions for details to clean the transmission, derailleur, and other components.

LUBRICATION & GREASE

- Parts should be lubricated or re-greased after cleaning.
- Do not rotate the chainring backward when cleaning and lubricating the chain, this may damage the drive unit and battery.
- Re-grease wheel axles, depending on how frequently wheels are removed.
- Do not apply lubricants to brakes, pedals and rims.
- Refer to the specific component manufacturer's maintenance instructions.

TAKING CARE OF CARBON

- DO NOT clamp the carbon frame directly in a bike stand. Instead, clamp the seatpost.
- DO NOT tighten the seat clamp without a seatpost installed.
- DO NOT tighten the rear axle without the wheel installed in the frame.
- DO NOT tighten fittings over the specified torque values.
- DO NOT subject carbon to high temperatures.
- DO NOT leave aluminum components in direct contact with carbon without first applying a film of high-quality grease or carbon paste.
- DO NOT use solvent-based cleaners to clean carbon. Instead, use warm water and, where possible, proper bicycle detergent.
- DO NOT overload the frame with bike rack clamps while transporting on a car.
- DO NOT overload the frame when transporting in a car.
- DO cover high wear areas (e.g. areas exposed to rub with cables, heels, knees etc.) with protective adhesive films.

⚠ WARNING

Failure to adhere to these guidelines may lead to wear or damage to the frame, which may lead to compromising the bike's structural integrity and catastrophic failure.

CAUTION

Any damage that results from incorrect handling of the carbon frame will not be covered under warranty.

MAINTENANCE

REPLACING PARTS

For your safety, we strongly recommend replacing worn or damaged parts with the original equipment (OE), or equivalents.

Replacement suspension components MUST meet the same specification as the OE parts. This includes shock length and stroke, as well as fork offset and steerer tube diameter. Review the Technical Specifications section of this user manual for specifications specific to your bike.

⚠WARNING - Proprietary Parts.
Only use the original equipment (OE), including components and hardware, that is supplied with the bike, or equivalents. Many parts, such as the motor, battery and cable guides, are specific to a bike model. Model specific parts are exclusive to each model and should not be used on other bikes even if they fit. Using parts not intended for a bike model will compromise the bike's structural integrity and may lead to catastrophic failure.

⚠WARNING - No Tampering.
Unauthorized replacements or modifications to the control unit, motor, or other parts of the drive system, the frame, and other original equipment (OE) is considered tampering. Do not install or use incompatible or non-proprietary parts. Failure to adhere to this warning may lead to a sudden and severe fire, or catastrophic failure.

CRASHES

Crashes happen, and sometimes things become damaged or break as a result. If you have crashed, please make sure to thoroughly check your e-bike for any signs of damage before you continue your ride - DO NOT continue riding if you see any visible signs of damage! Due to the nature of carbon fibre, crashes can cause damage without showing any visible signs. We strongly recommend that your bike is taken to an authorized Forbidden dealer to inspect the bike for any damage. Forbidden has a crash replacement program that will help get you, and your bike, back on the trails.

AFTER AN IMPACT

1. Check the whole e-bike for any deformations, damage, or cracks. If any issues are detected, do not continue riding and take the e-bike to an authorized Forbidden dealer.
2. If you hear any unusual noise, check if the bolts, bearings, and any other connecting parts are loose.
3. Check the battery. If the battery charging port is damaged, or the battery is no longer securely fixed in the down tube, do not continue to use it.
4. Check if there are any error messages displayed on the control display. Follow the instructions to troubleshoot before continuing to use.

PRODUCT LIABILITY WARNING

Carefully read the product service instructions before use. Improper use and/or assembly, care and maintenance of this product can result in failure and/or personal injury. We are not liable for any personal injury or property damage that results from crashes, poor maintenance, incorrect assembly or failure of any component. We advise that you seek professional assistance when assembling this product prior to use. Mountain Biking involves risk and can be extremely dangerous. By choosing to participate in Mountain Biking, you assume responsibility for this risk. Please ensure you follow proper use and maintenance instructions and wear appropriate safety equipment.

Visit the Forbidden website for more details, https://forbiddenbike.com/policies-legal/product-liability

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TECHNICAL HELP

If you're experiencing technical issues with an Avinox component, scan the following QR codes to find an authorized Forbidden dealer for assistance, or contact Avinox customer support directly,

Find a Forbidden Dealer

Avinox Support

Scan the following QR codes to review the FAQ page for commonly asked questions, or to reach out to Forbidden Customer Service if you have a technical question about your Forbidden e-bike,

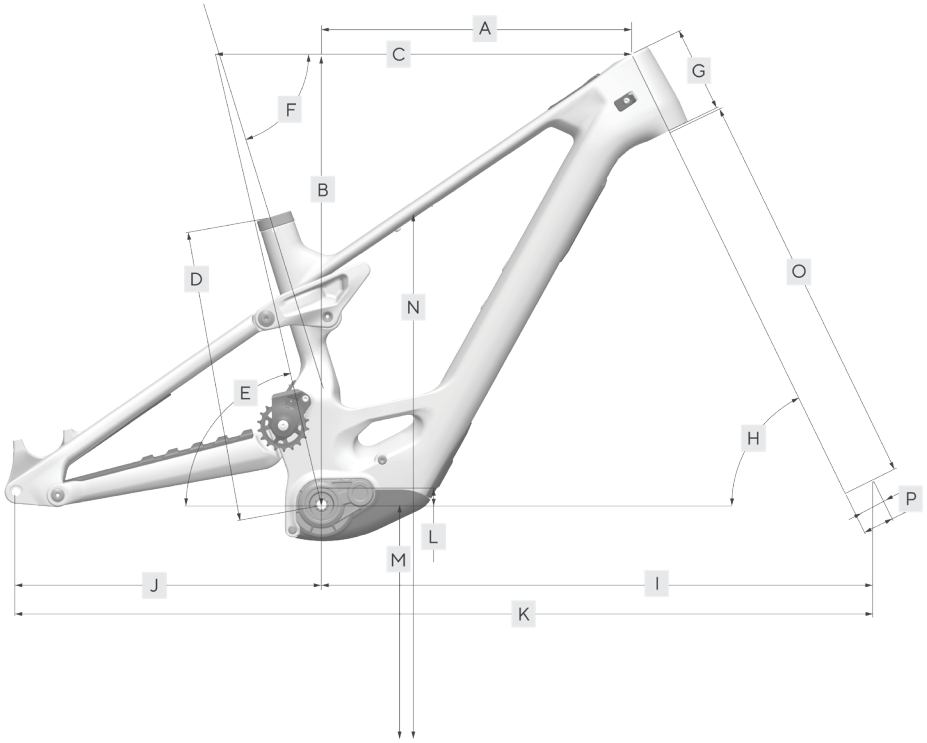
Forbidden FAQs

Forbidden Customer Service

MORE INFORMATION

DRUID E

GEOMETRY



		S1	S2	S3	S4
A	Reach	430	447	467	487
B	Stack	628	649	662	676
C	Horizontal Top Tube Length	578	599	622	646
D	Seat Tube Length	400	420	440	470
E	Seat Tube Angle (Effective)	76.75	76.75	76.75	76.75
F	Seat Tube Angle (Actual)	70.8	72.7	74.5	76.0
G	Head Tube Length	100	123	138	153
H	Head Tube Angle	64	64	64	64
I	Front Center	767	794	820	847
J	Rear Center	427	442	456	471
K	Wheelbase	1194	1235	1276	1317
L	BB Drop	-25.0	-25.0	-25.0	-25.0
M	BB Height[1]	335.8	335.8	335.8	335.8
N	Stand Over Height[1]	745	745	745	745
O	Fork Length	576	576	576	576
P	Fork Offset	44	44	44	44

[1]BASED ON A 29x2.4 FRONT TIRE (OD 746mm) AND 27.5x2.5 REAR TIRE (OD 708mm)

DRUID E

TECHNICAL SPECIFICATIONS

FORK LENGTH (MAX.)	586mm
RECOMMENDED FORK OFFSET	44mm
SHOCK LENGTH (EYE - EYE)	210mm
SHOCK STROKE	55mm
SHOCK HARDWARE (BOTH ENDS)	30x8mm
HEAD TUBE DIAMETER UPPER	44mm
HEAD TUBE DIAMETER LOWER	55.95mm
S.H.I.S.	ZS44/28.6 | ZS56/40
REAR DROPOUT SPACING (O.L.D.)	148mm
REAR AXLE SPECIFICATION	L180mm / TL 20mm / TP M12 x 1.00
BOTTOM BRACKET	N/A
CHAIN LINE (CL)	55mm
MAX. CHAIN RING*	S1: 36T | S2: 36T | S3: 38T | S4: 38T
CHAIN LENGTHS*	S1: 120 L | S2: 122 L | S3: 124 L | S4: 126 L
SEATPOST DIAMETER	31.6mm
MAX. SEATPOST INSERTION*	S1: 260mm | S2: 275mm | S3:300mm | S4: 320mm
SEAT CLAMP DIAMETER	34.9mm (Included)
BRAKE MOUNT	200mm Post Mount
ISCG 05	N/A
RECOMMENDED TIRE SIZE	27.5 x 2.5
MAX. TIRE SIZE	27.5 x 2.6
MAIN PIVOT BEARINGS	6903 MAX (17mm x 30mm x 7mm) QTY: 2
FRONT TRIANGLE BEARINGS	6903 MAX (17mm x 30mm x 7mm) QTY: 2
ROCKER LINK BEARINGS	6901 MAX (12mm x 24mm x 6mm) QTY: 2
HORST LINK PIVOT BEARINGS	6901 MAX (12mm x 24mm x 6mm) QTY: 4
IDLER PULLEY BEARING	6903 MAX BOSL (17mm x 30mm x 7mm) QTY: 2

*PER FRAME SIZE

DRUID E

T-TYPE SETUP

PREPARATION

Before the transmission can be installed, the chain length and derailleur must be prepared.

CHAIN LENGTH

See the table to find the recommended chain length for your frame size.

CHAIN LENGTH GUIDE

FRAME SIZE	SETUP KEY	SET UP COG	CHAIN LENGTH	CR. SIZE	MAX CR. SIZE
S1	A	6	120 LINKS	34T	36T
S2	A	6	122 LINKS	34T	36T
S3	A	6	124 LINKS	34T	38T
S4	A	6	126 LINKS	34T	38T

SRAM's T-Type transmission requires a specified setup procedure based on chain length and derailleur configuration.
This setup does away with the need for b-tension adjustments.

For the full Eagle Transmission setup guides, please scan the following QR codes,

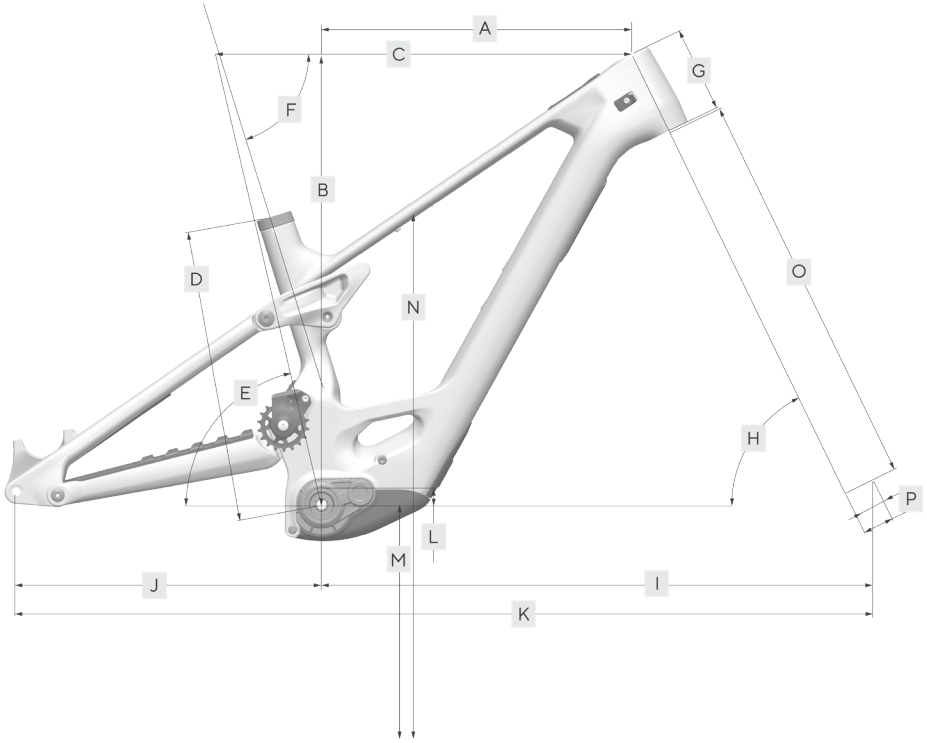
Mechanical T-Type Set Up

AXS T-Type Set Up

NOTE: SRAM T-Type is only compatible with frames equipped with SRAM's Universal Derailleur Hanger (UDH) fitment.

DREADNOUGHT E

GEOMETRY



		S1	S2	S3	S4
A	Reach	425	445	461	481
B	Stack	635	648	669	682
C	Horizontal Top Tube Length	575	598	619	642
D	Seat Tube Length	400	420	440	470
E	Seat Tube Angle (Effective)	76.75	76.75	76.75	76.75
F	Seat Tube Angle (Actual)	71.6	73.7	75.4	76.8
G	Head Tube Length	100	115	138	153
H	Head Tube Angle	63	63	63	63
I	Front Center	782	808	835	861
J	Rear Center	434	449	463	478
K	Wheelbase	1216	1257	1298	1340
L	BB Drop	-20.0	-20.0	-20.0	-20.0
M	BB Height[1]	340.8	340.8	340.8	340.8
N	Stand Over Height[1]	720	720	720	720
O	Fork Length	596	596	596	596
P	Fork Offset	44	44	44	44

[1]BASED ON A 29x2.4 FRONT TIRE (OD 746mm) AND 27.5x2.5 REAR TIRE (OD 708mm)

DREADNOUGHT E

TECHNICAL SPECIFICATIONS

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