REAR BRAKE ASSEMBLY MANUAL K3

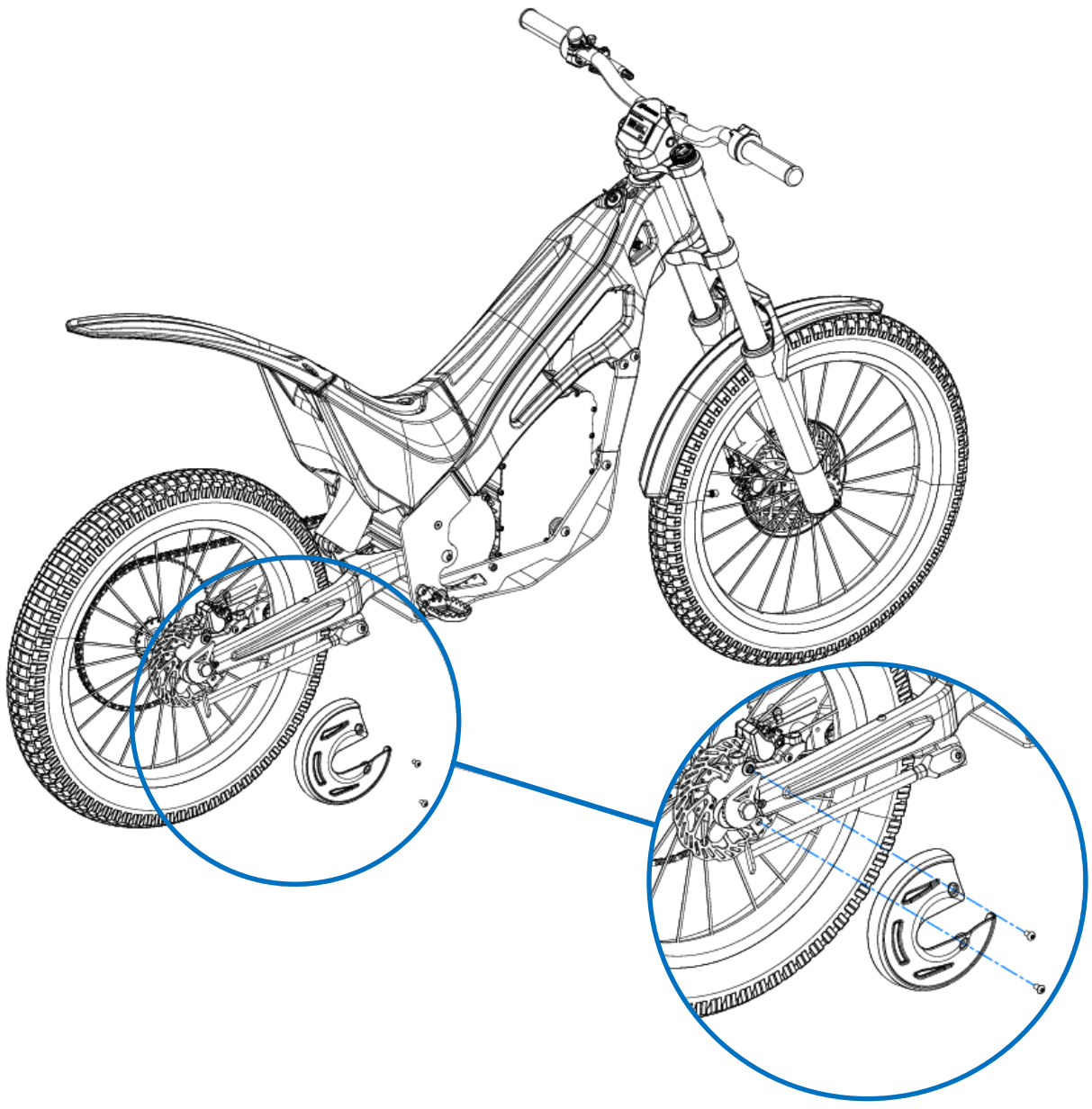
Ver.1.0 AUG-25

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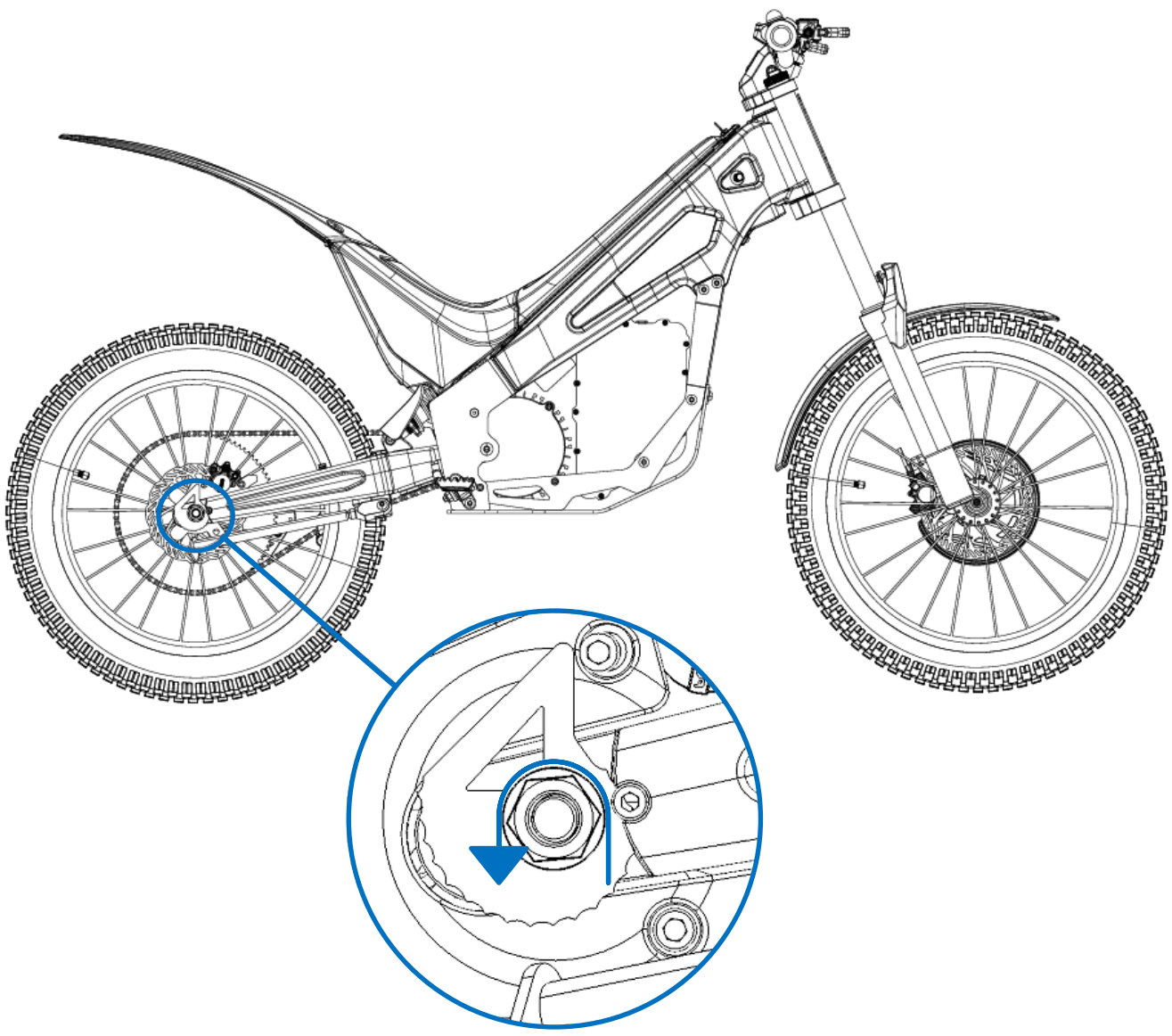
1. INSTRUCTIONS FOR REMOVING UNUSED COMPONENTS

1.1. REMOVE DISC PROTECTOR



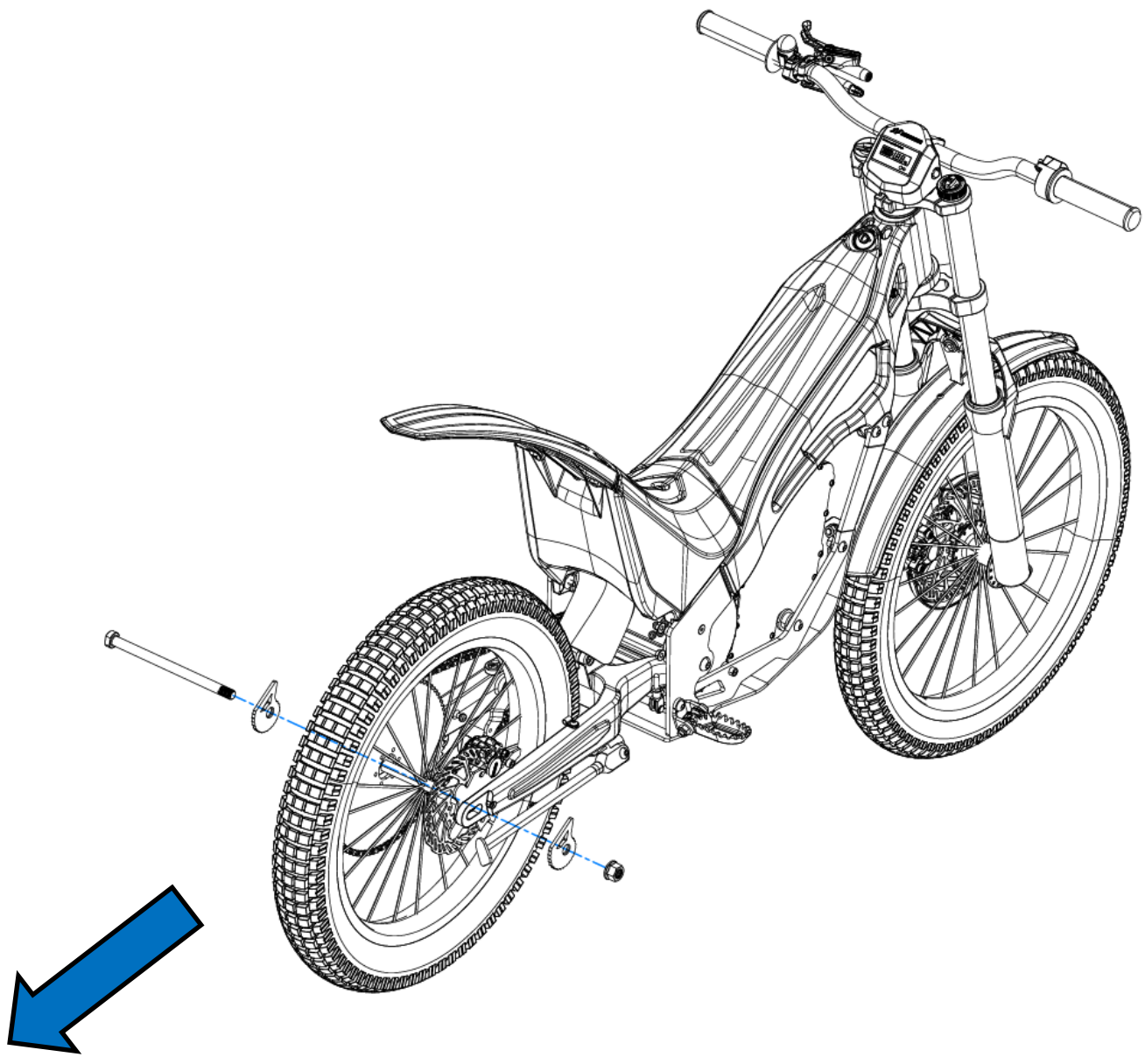
Proceed to remove the guard using a 5 mm Allen key to unscrew the 2 bolts.

1.2. REMOVING THE REAR WHEEL AXLE AND CHAIN

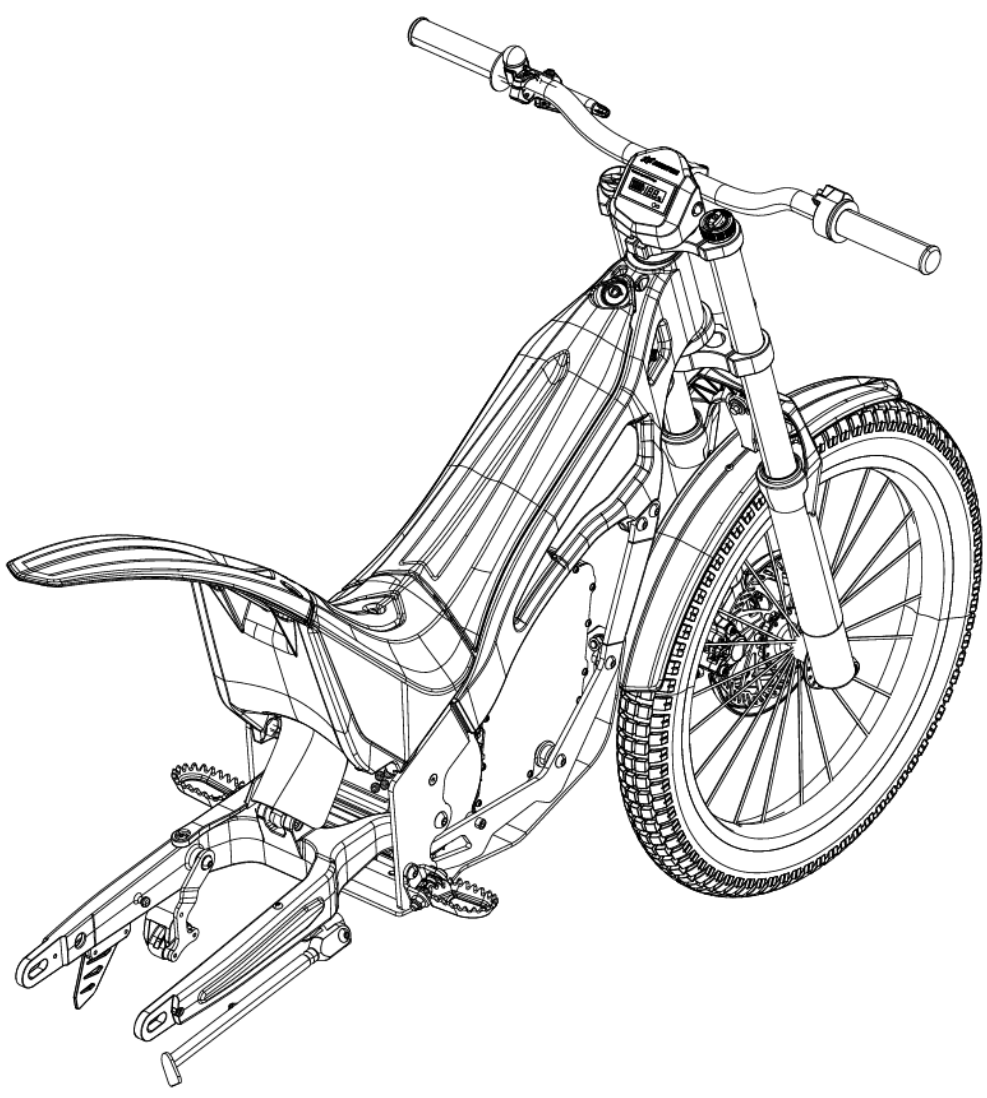


Next, use a 17 mm open-end wrench and a ratchet wrench with a 19 mm socket to hold one side and loosen the nut. Remove the chain.

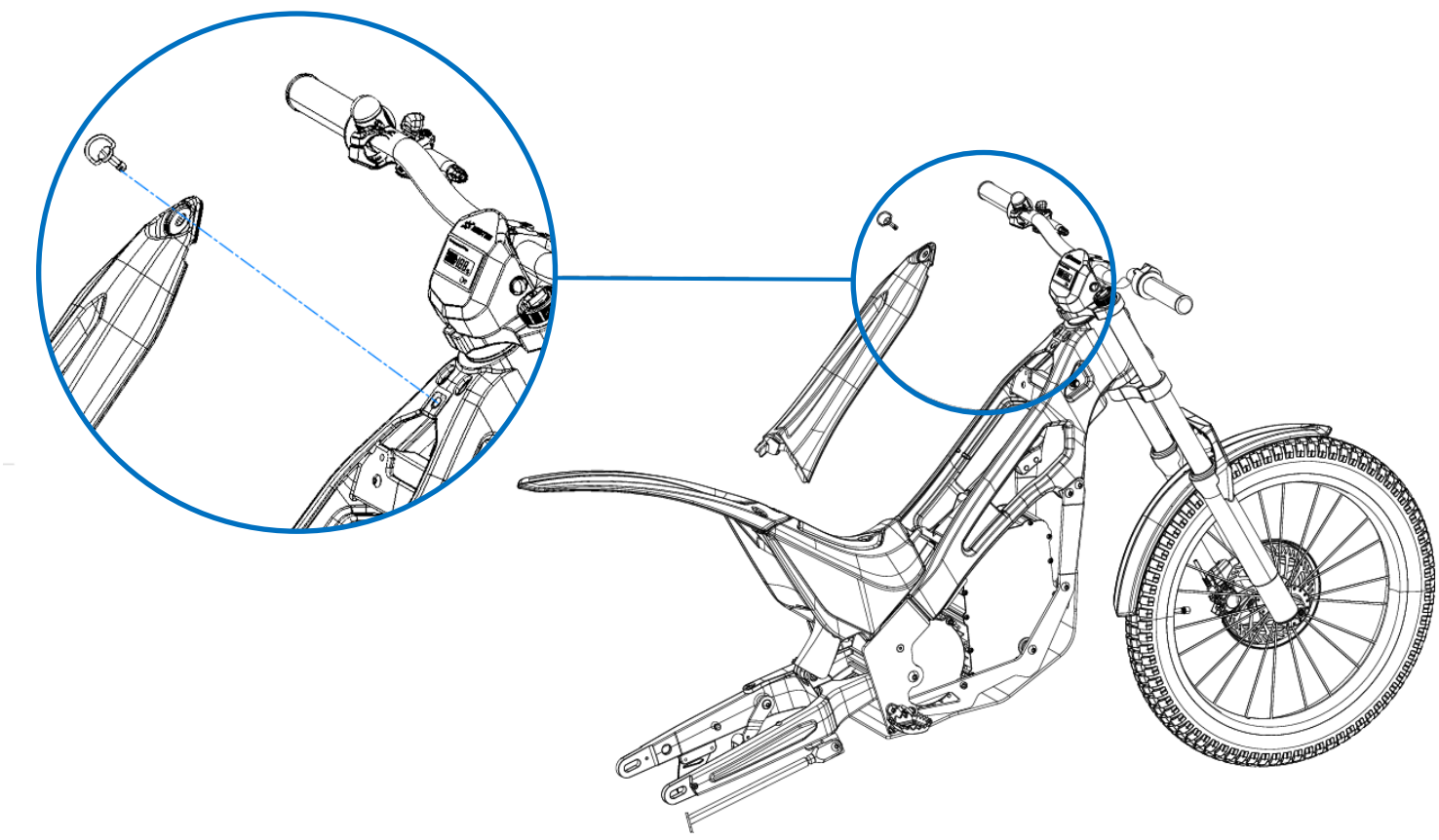
1.3. AXLE AND WHEEL REMOVAL



Remove the nut and eccentric cams simultaneously and then pull out the axle to remove the wheel.

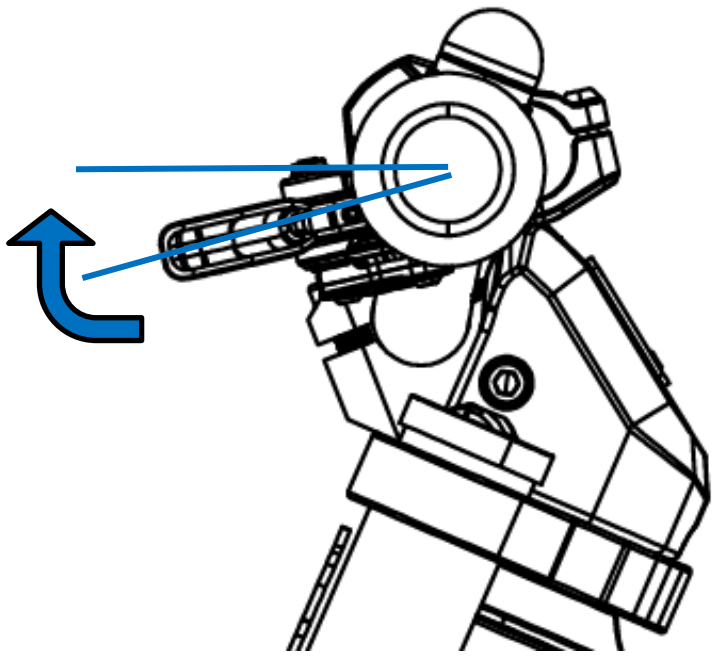


1.4. REMOVE CENTER COVER



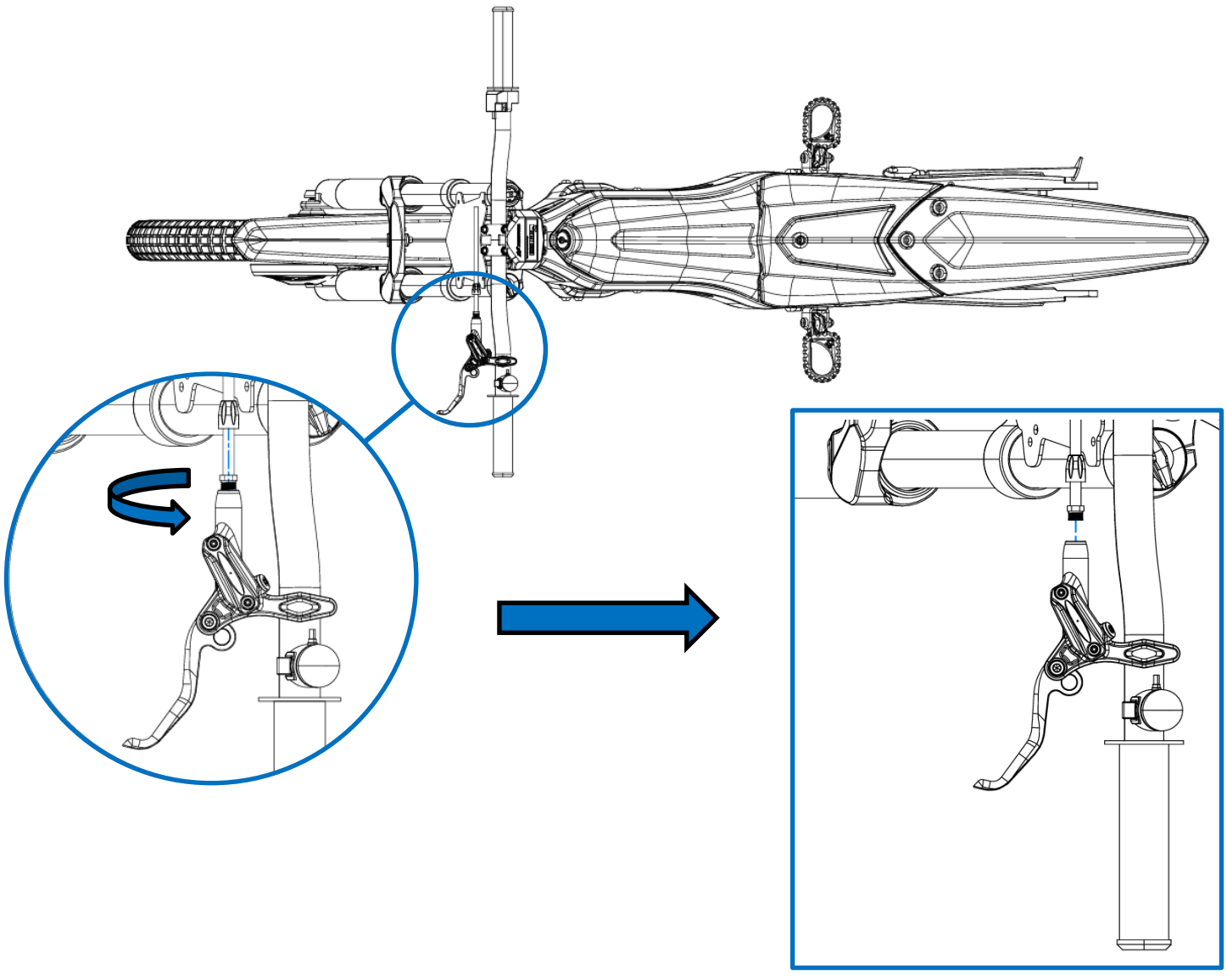
Remove the clip screw and take off the center cover. Remove the hose clamp and plastic tie.

1.5. LEVEL BRAKE PUMP



Using a T25 Torx key, loosen the screws, level the lever, and retighten once aligned.

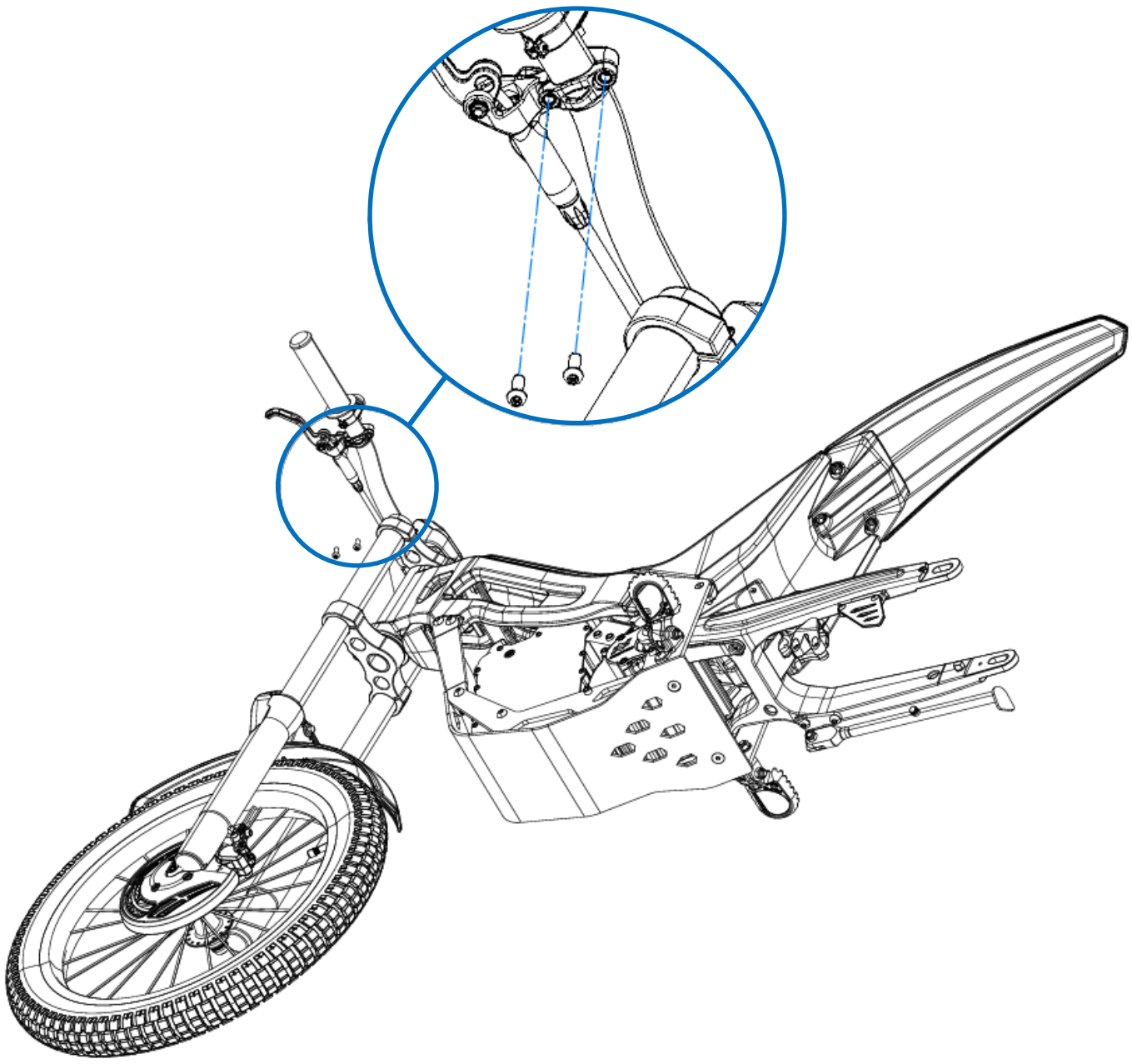
1.6. BRAKE HOSE REMOVAL

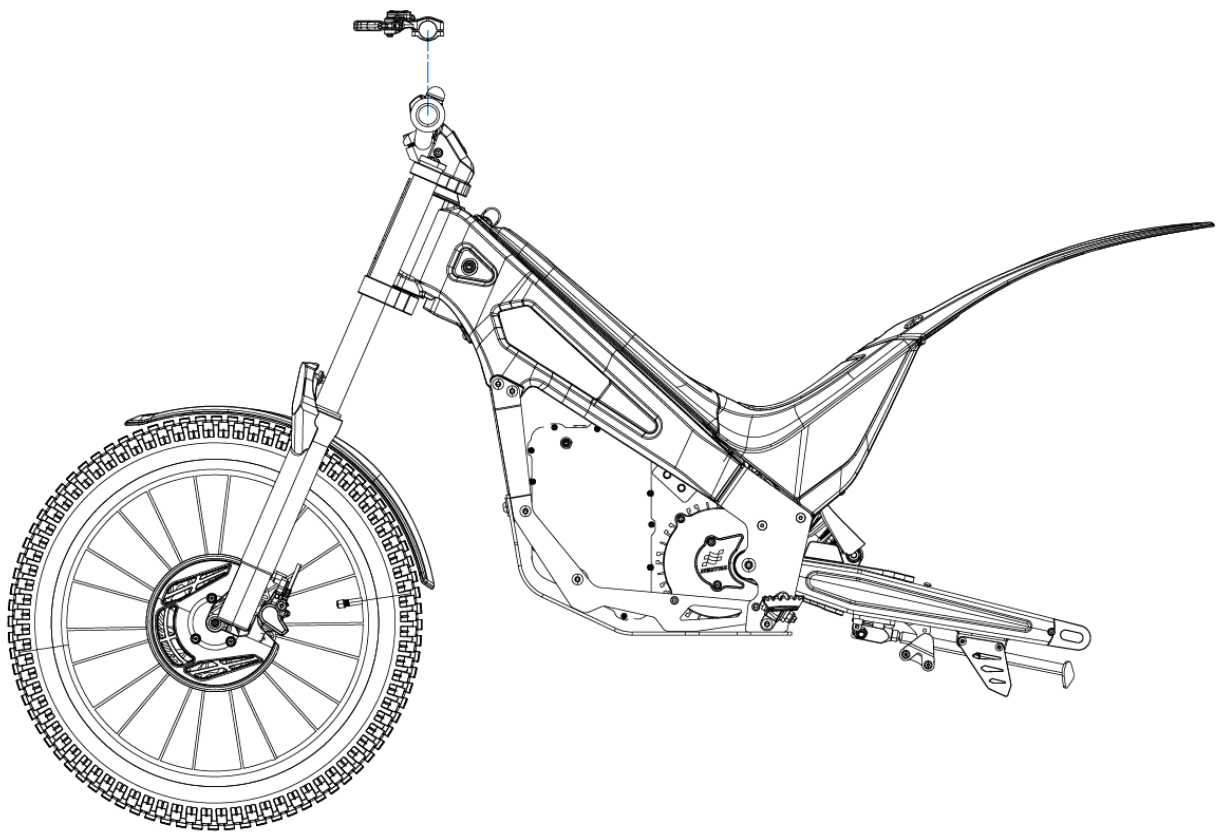


Remove the protective cap on the hose nut. Using an 8 mm wrench, loosen the nut and remove it without pressing the brake lever.

Hold the rear brake pump and hose, pull out the pump, position the hose in the new brake pump, and tighten the nut.

1.7. REMOVE HANDLEBAR BRAKE LEVER

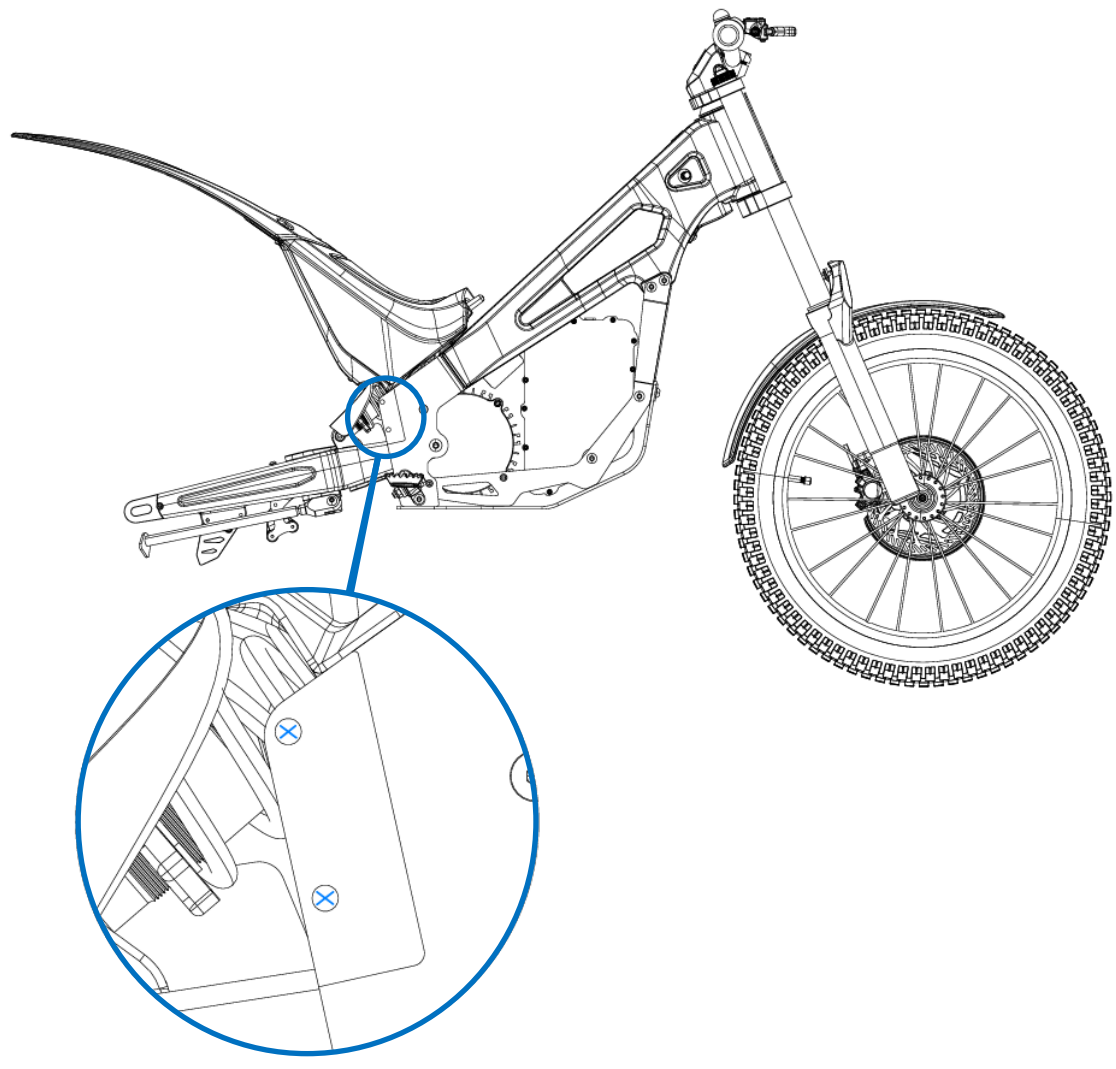




Use a T25 Torx key to loosen and remove the brake lever.

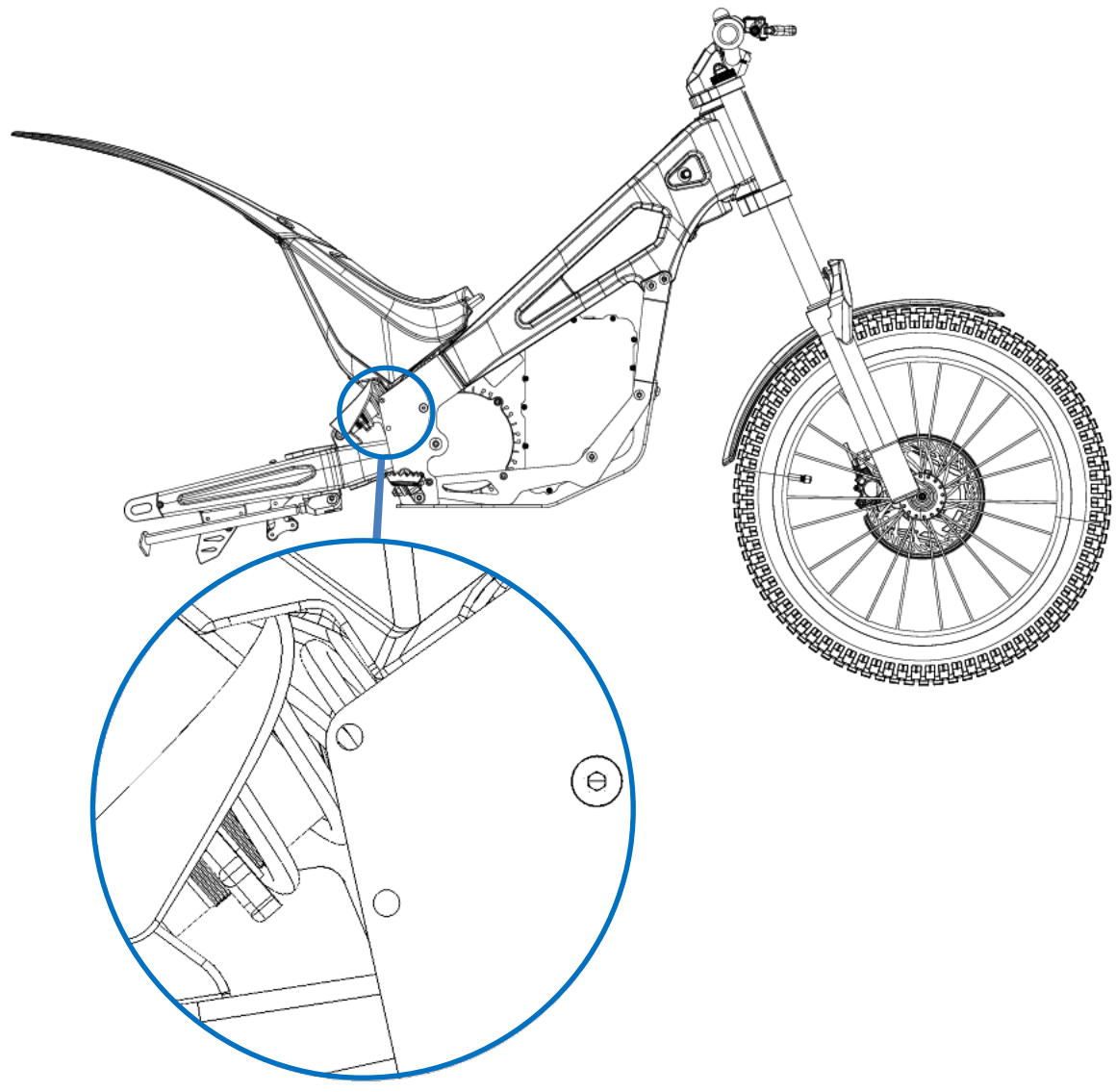
2. ASSEMBLY INSTRUCTIONS

2.1. FRAME DRILL MARKING



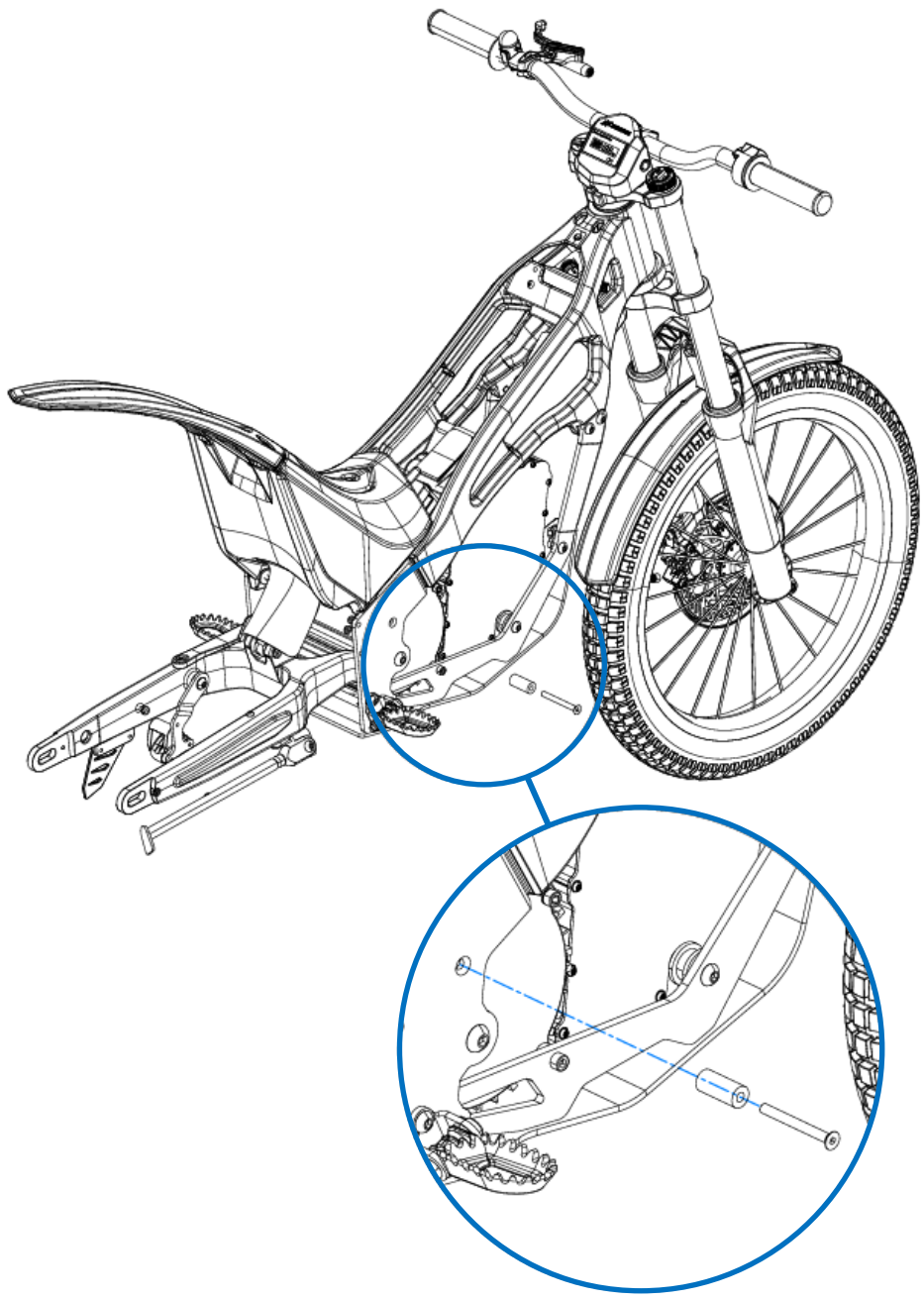
Use the drill marking tool and attach it to the lower right part of the frame. Use a hammer to mark the frame.

2.2. DRILLING THE FRAME

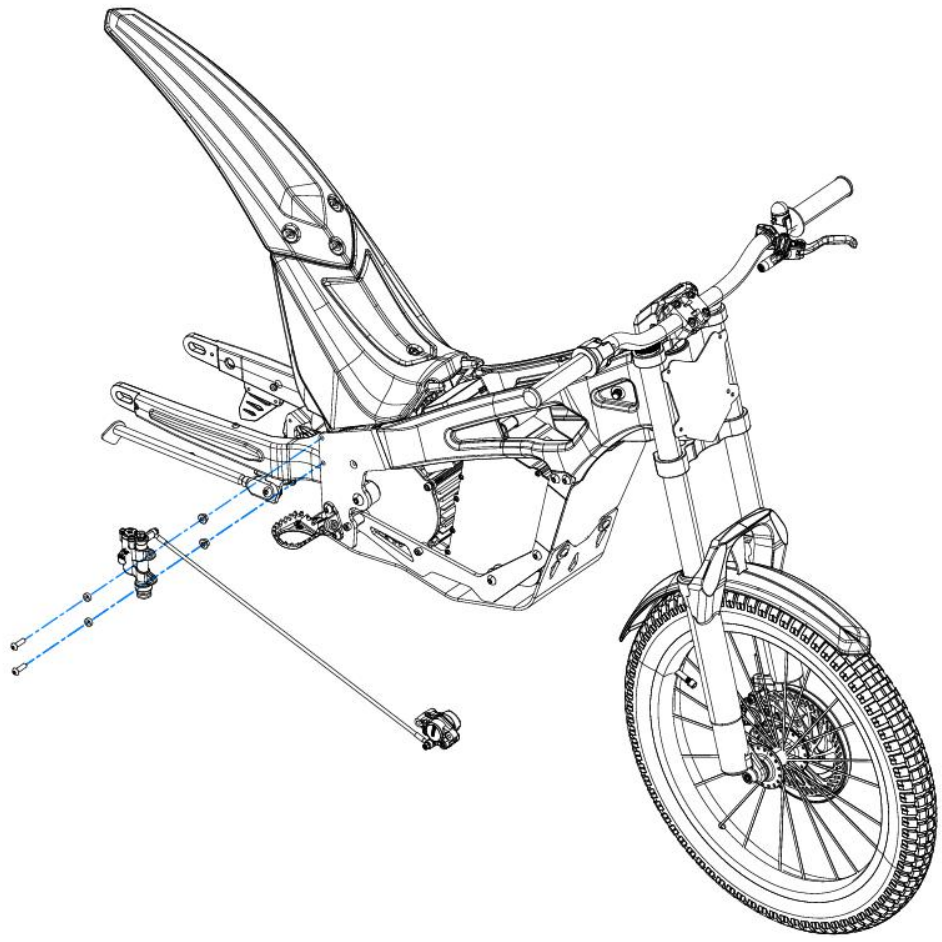


Use a 2.5 mm drill bit to make the initial holes (check spacing), then go over them with a 4 mm bit, and finally with a 6 mm bit.

2.3. POSITION BRAKE PUMP ON FRAME AND FASTEN

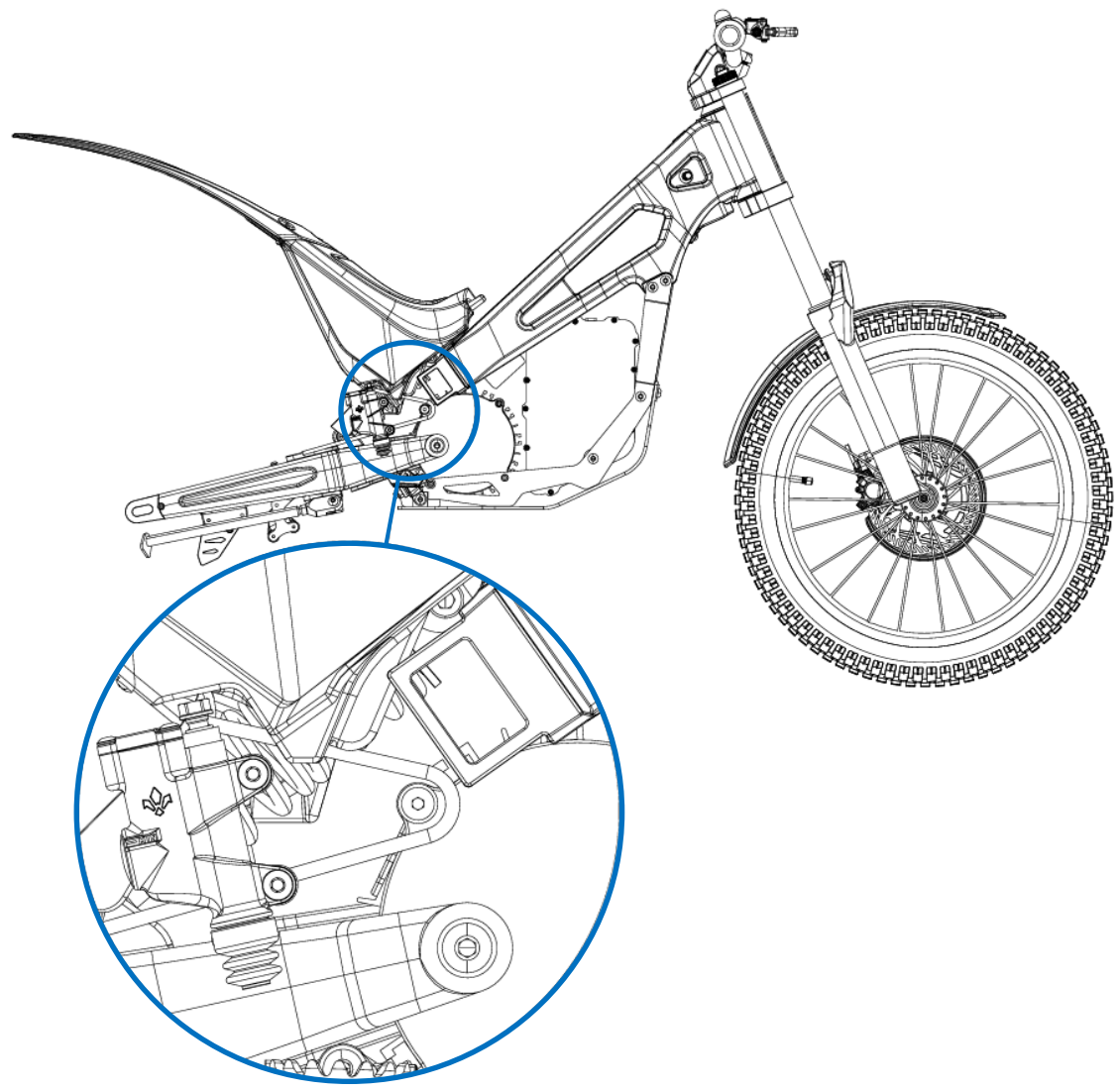


Using a 4 mm Allen socket, loosen and remove the engine bolt and its spacer.



Insert the brake pump mounting bolts through the frame, add spacers between frame and pump, then secure with nuts. Use a 4 mm Allen and 10 mm wrench to tighten. Finally, tighten the pump bolts to 1.1 Kgf·m [1].

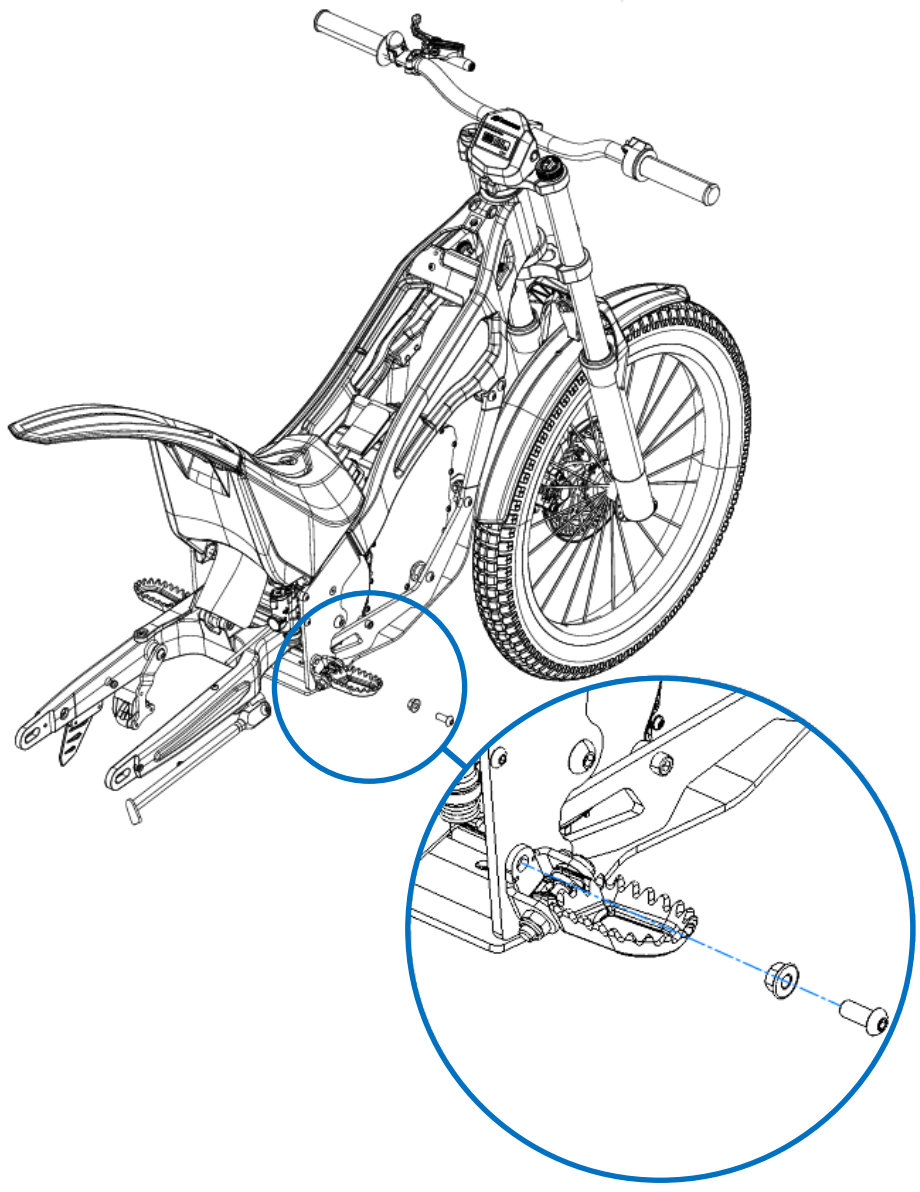
2.4. INSTALL ENGINE BOLT AND SPACER



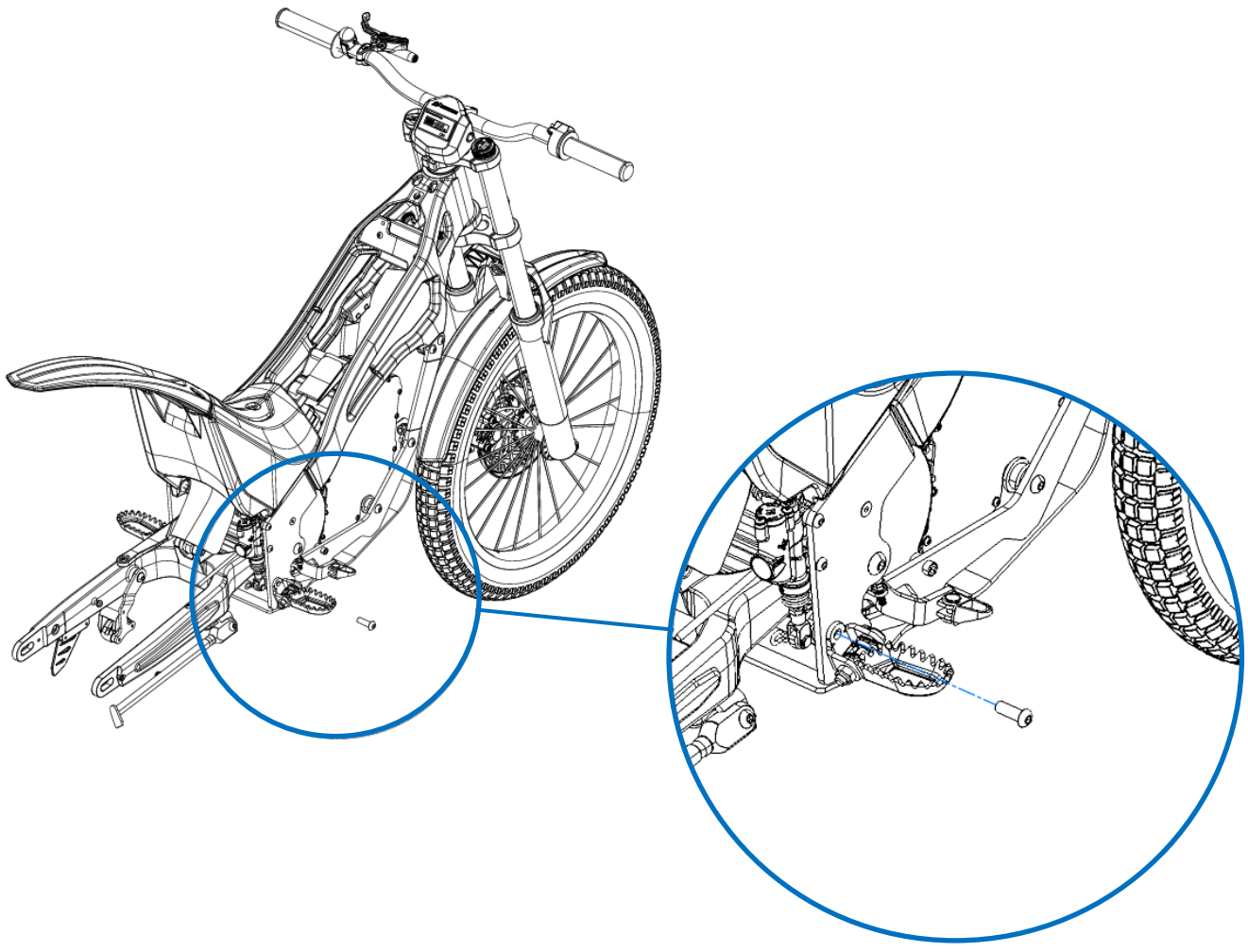
Route the brake hose between frame and engine, position the engine spacer between hose and frame.

Apply sealant to the bolt and tighten to the engine, apply a tightening torque of 1.2 Kgf·m [2]. Pull the hose rearward toward the brake disc.

2.5. MONTAJE PEDAL DE FRENO



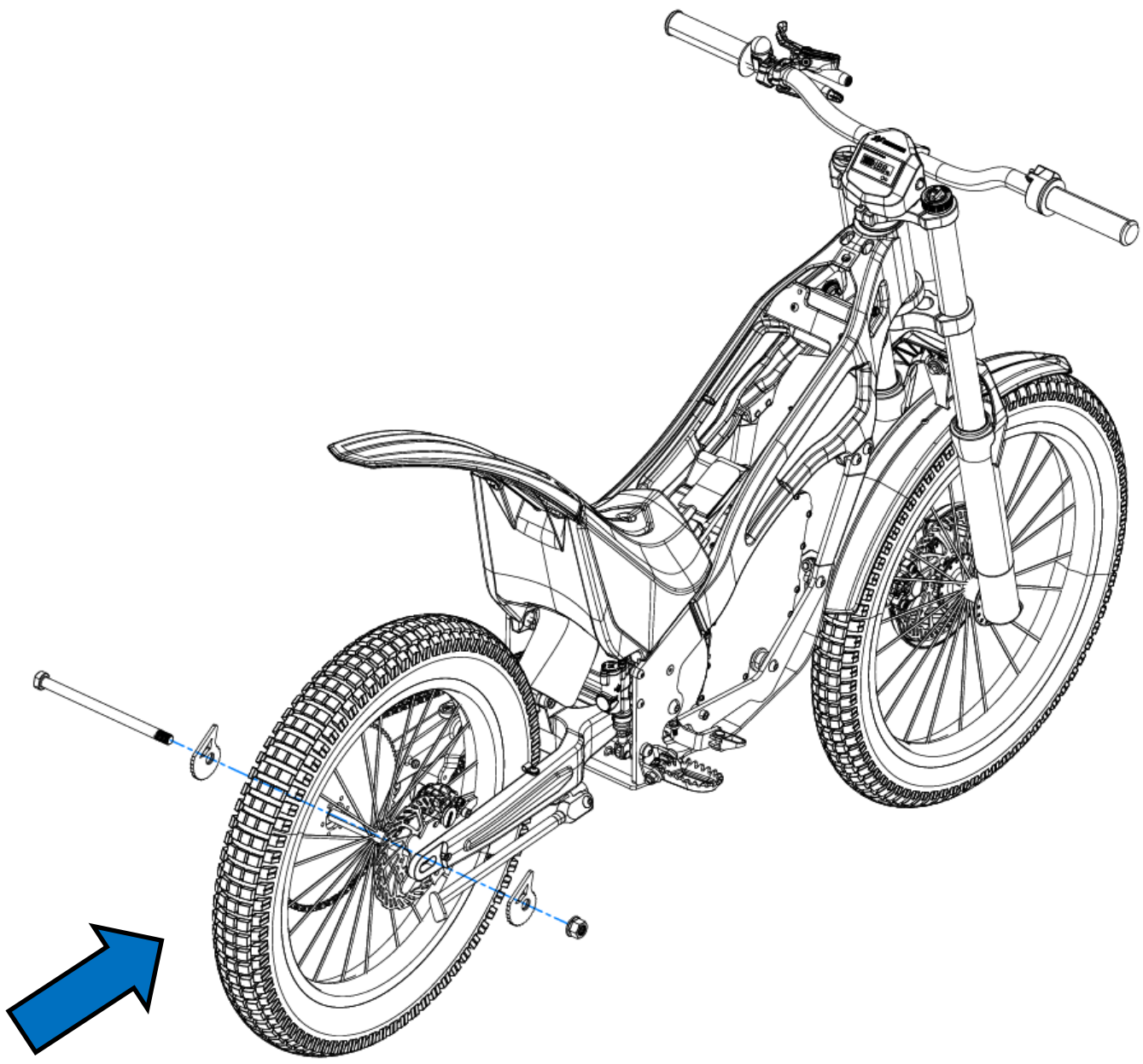
Use a 5 mm Allen key on the footpeg bolt, and a 13 mm wrench to loosen the rear nut and remove the bolt.



Grease the bearing, insert the threaded spacer from inside out, fit the pedal through chassis and engine, aligning the adjuster rod with the brake pump.

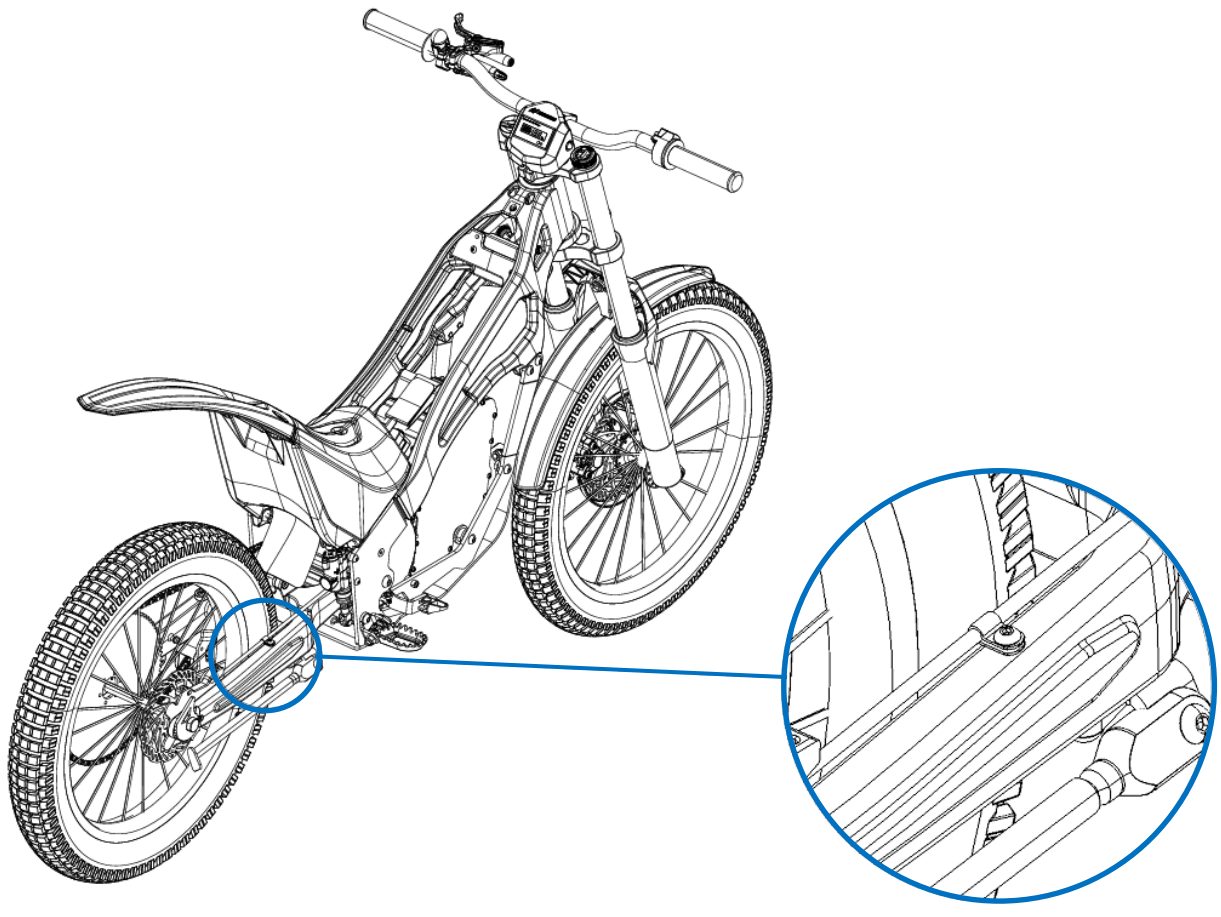
Finally, reinstall the previously removed bolt and tighten with a 19 mm wrench, apply 2.2 Kgf·m [3] (remove the part of the footpeg that makes contact with the footwear in order to apply the correct tightening torque).

2.6. INSTALL REAR WHEEL



Center the rear wheel and caliper bracket between the swingarm. Insert the axle along with eccentric cams and nut. Place the chain on the sprocket.

Adjust the eccentric cams for proper chain tension. Hold the axle head with a 17 mm wrench and tighten the nut with a 19 mm wrench. Torque the axle nut to 4.2 Kgf·m [4].



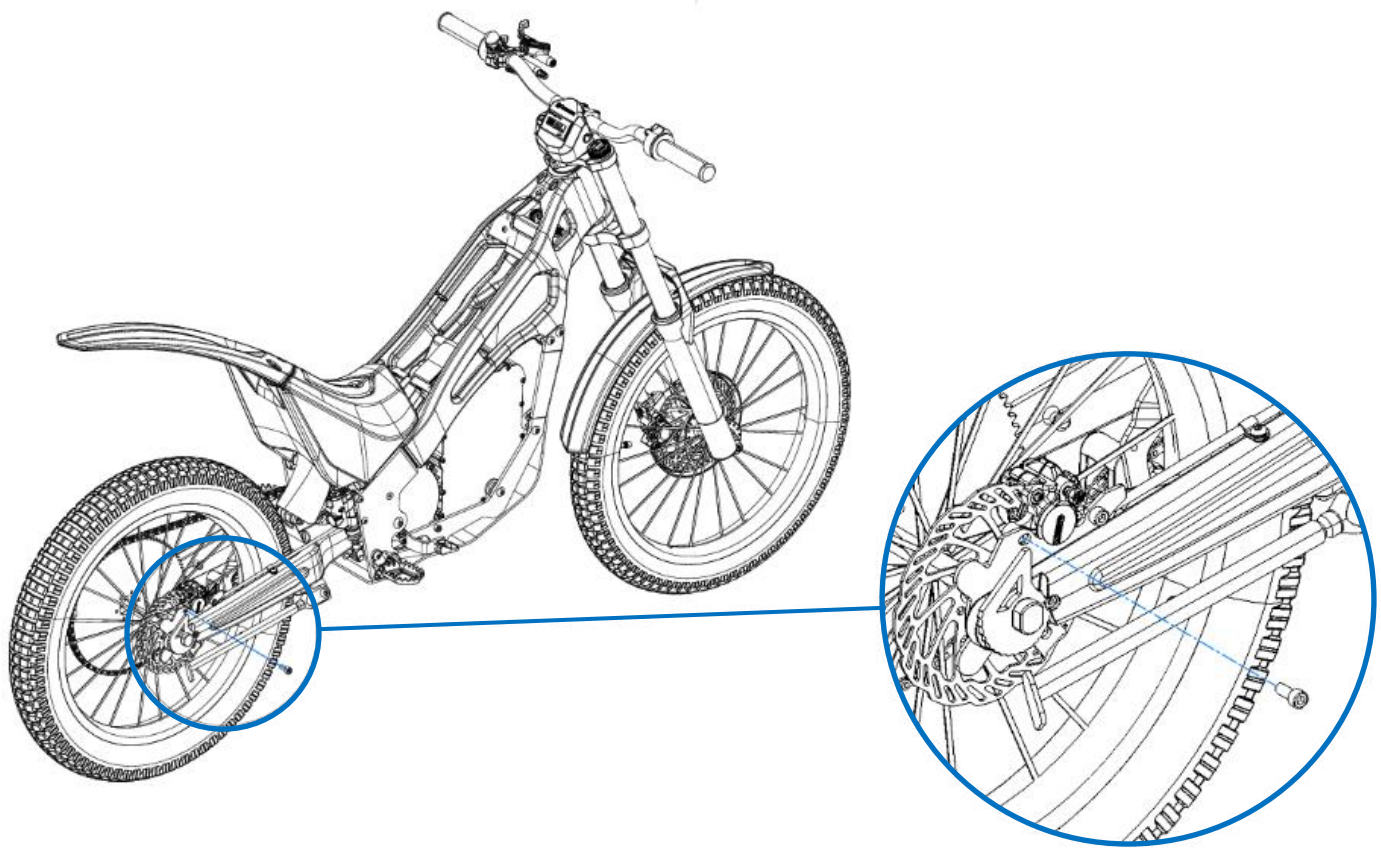
Secure the hose using the upper swingarm plastic clamp.

2.7. INSTALL BRAKE CALIPER AND DISC PROTECTOR

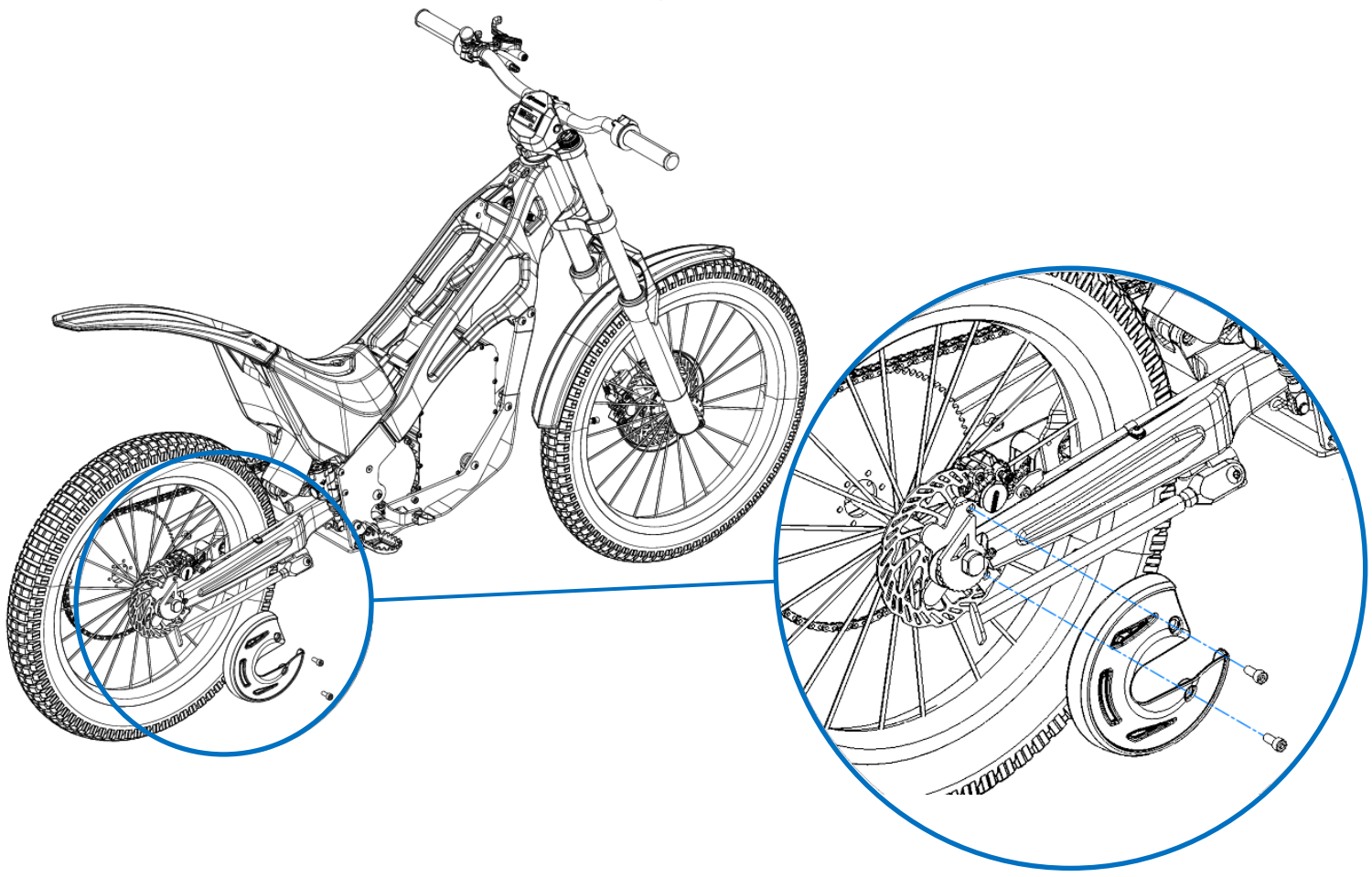


Insert the brake caliper, remove the pad spacer and place it on the disc. Apply threadlocker to the right long bolt and screw it to the caliper bracket.

Rotate the wheel while braking to center the caliper, then tighten the bolts with a 5 mm Allen key. Apply a tightening torque of 1 Kgf·m [5] to the long right-hand bolt.

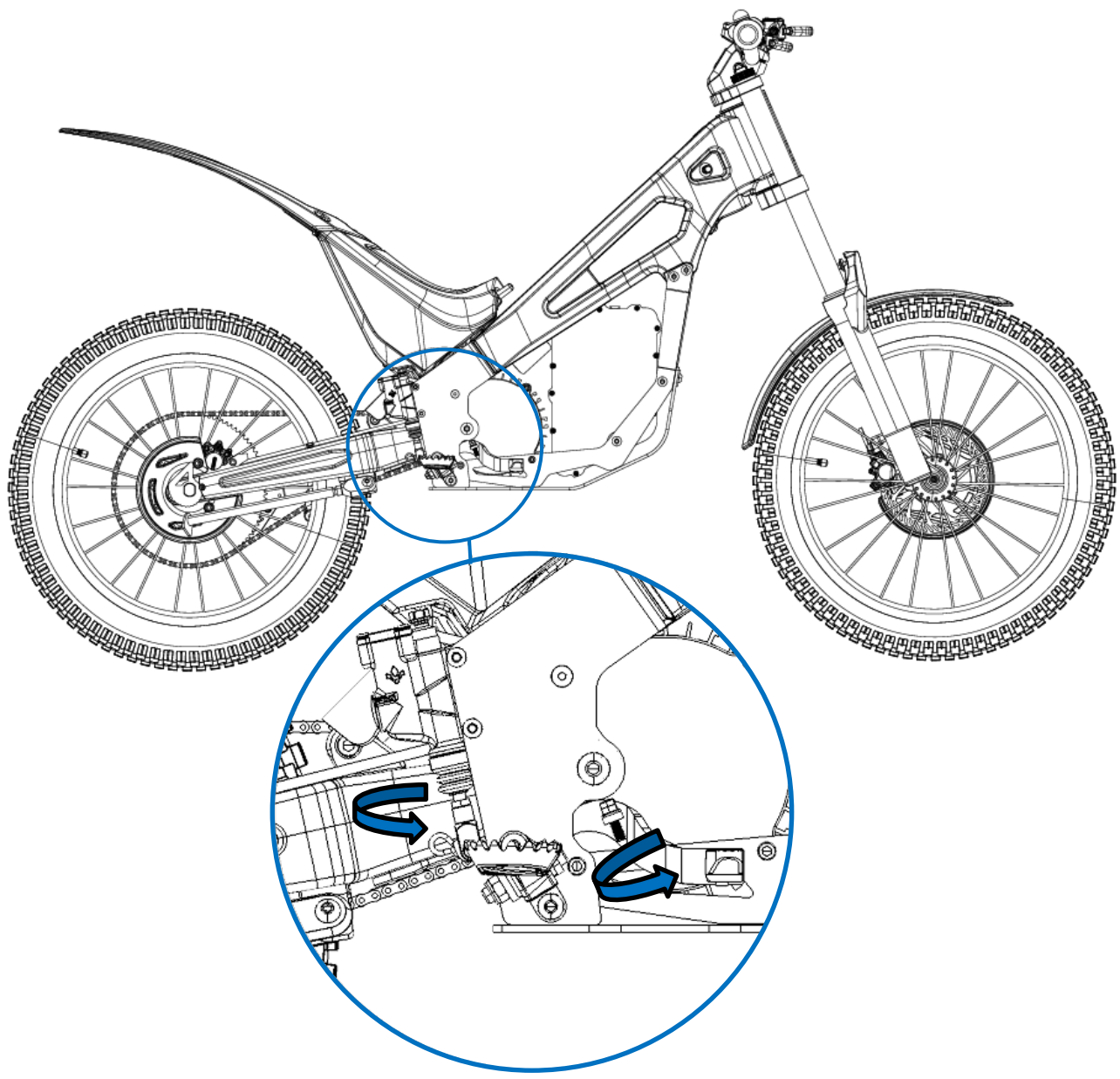


Once centered, remove the short Allen screw to mount the disc protector.



Finally, install the disc protector with two 5 mm Allen screws and tighten them. Torque the remaining caliper mounting bolt to 1 Kgf·m [5].

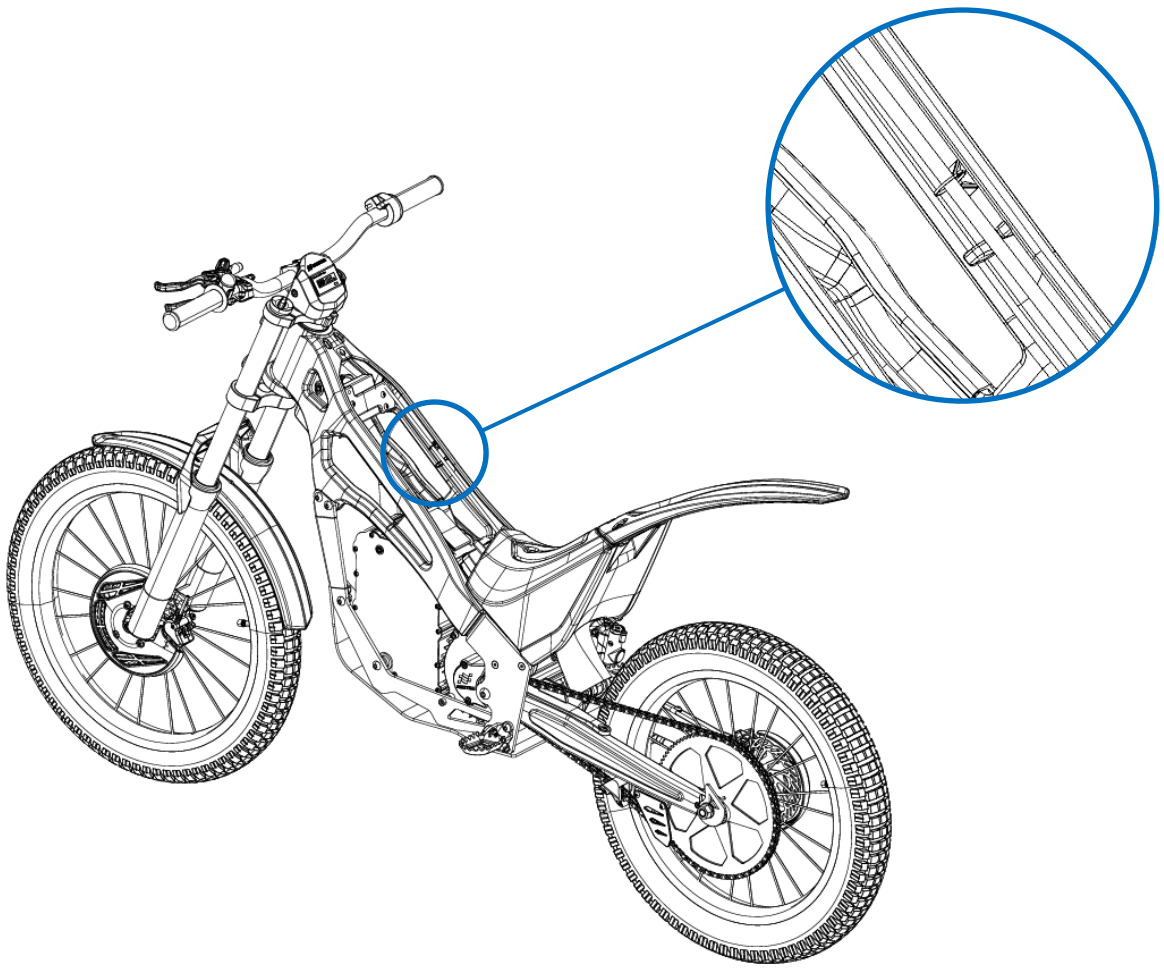
2.8. BRAKE PEDAL ADJUSTMENT



Using needle-nose pliers, adjust the pump rod until a slight pedal play is achieved. Use a 10 mm wrench to retighten the rod nut.

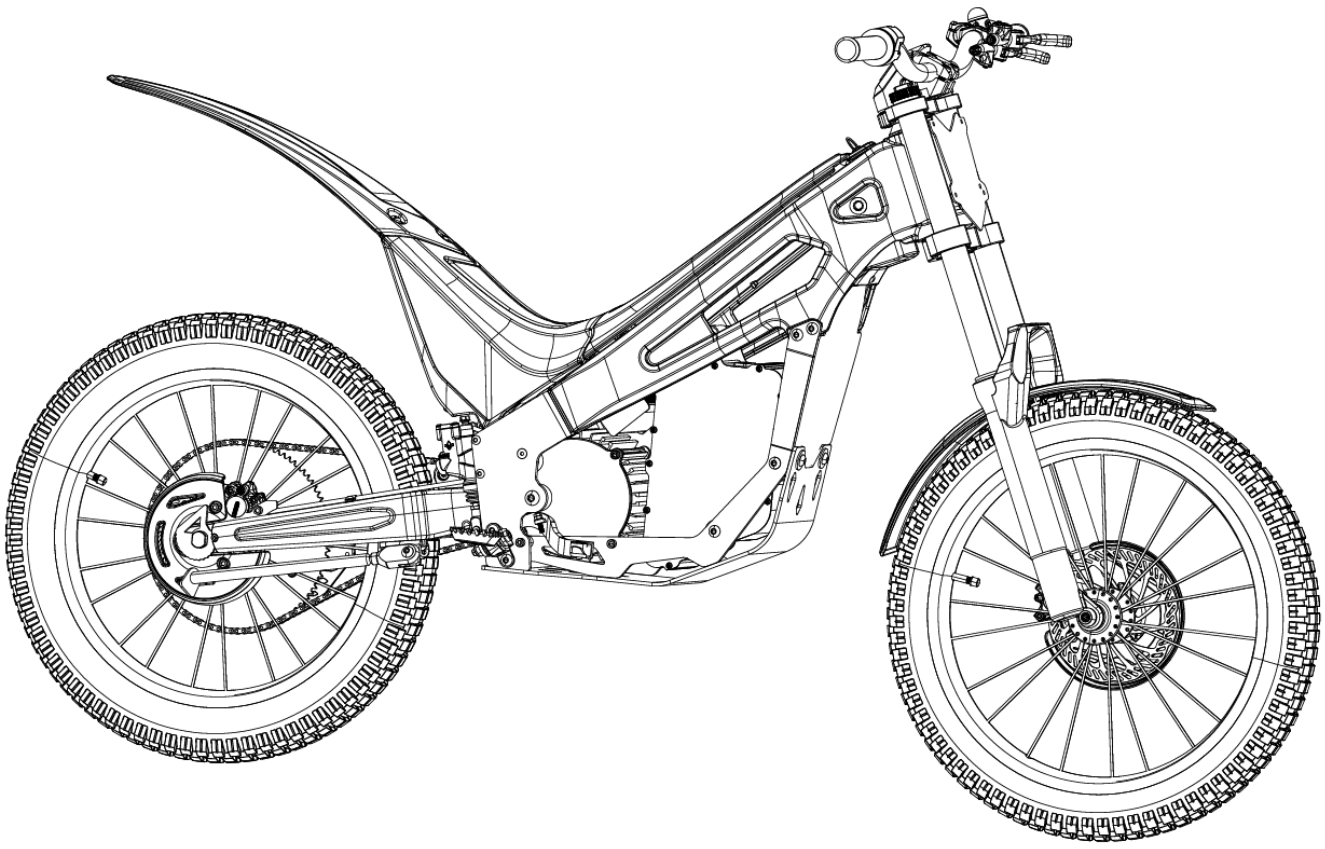
Adjust the pedal stop screw with an 8 mm wrench, then tighten.

2.9. SECURE INSTALLATION CABLE TO FRAME AND MOUNT CENTER COVER



Use serrated ties at mounting points to secure the installation cable to the frame, and trim the excess.

Finally, install the center cover with the clip screw.



3. TORQUE VALUES FOR BOLTS AND NUTS

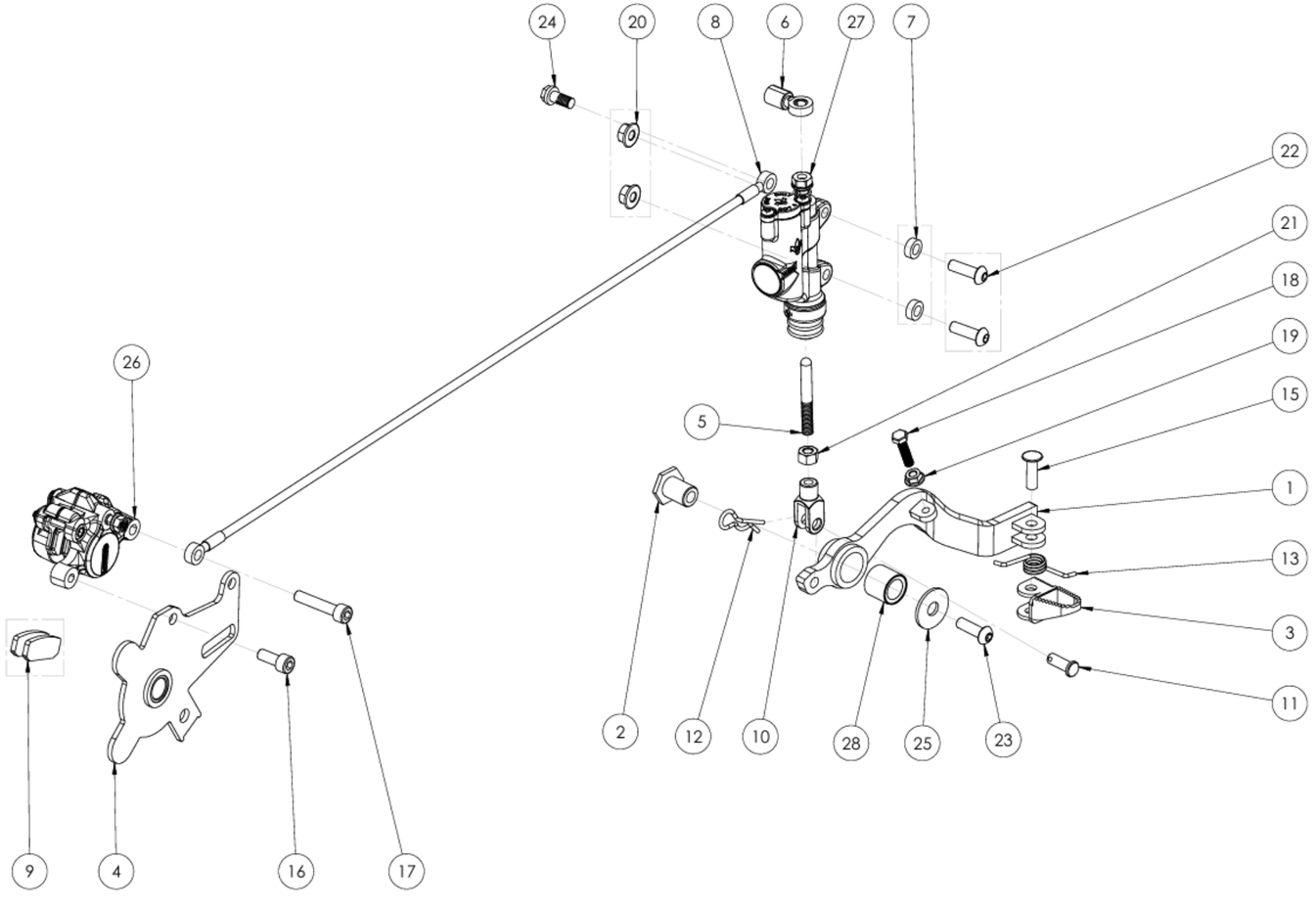
⚠ WARNING

You must check the proper tightening and torque values for the key bolts and nuts of the motorcycle, as shown in the table below:

The torque values for these bolts and nuts are specified below.

ITEM	TYPE	DETAIL	MOUNTING ELEMENT	QUANTITY	TORQUE (Kgf.m)	SEALANT TYPE
M6	DIN 7380	ZB	REAR BRAKE MASTER CYLINDER MOUNT TO FRAME [1]	2	1.1	
M6	DIN 7991	ZB	ENGINE MOUNT TO FRAME [2]	1	1.2	
M8	DIN 7380	ZB	FOOTREST MOUNT TO FRAME [3]	1	2.2	
-	-	ZB	WHEEL AXLE NUT [4]	1	4.2	
M6	DIN 912	ZB	BRAKE CALIPER MOUNT TO BRACKET [5]	2	1.0	

4. EXPLODED VIEW OF COMPLETE ASSEMBLY



N.º	REFERENCIA	DESCRIPCIÓN	CANTIDAD
1	N01S-14-21	LEVER	1
2	N01S-14-22	INNER FERRULE	1
3	N01S-14-25	LEVER TOE	1
4	N01S-14-28-H1	REAR STAY FIX CALIPER	1
5	N01S-14-29	ROD	1
6	N01S-14-30	BRAKE CABLE COUPLING	1
7	N01S-14-31	PUMP FERRULE	2
8	N01S-14-32	BRAKE CONNECTING TUBE	1
9	N01S-14-45	BRAKE PADS	2
10	N01S-14-46	SUPPORT ROD REAR BRAKE	1
11	N01S-14-47	BRAKE ROD PIN	1
12	N01S-14-49	RETAINING CLIP	1
13	N01S-14-53	LEVER TOE SPRING	1
14	N01S-14-56	TOE CAP FASTENING	1
15	N01S-14-57	TOE CAP PIN	1
16	90912-0601508Z ZB	DIN 912 M6x15 ZB	1
17	90912-0603008ZB	DIN 912 M6x30 ZB	1
18	90933-0601508ZB	DIN 933 M5x15 ZB	1
19	96923-0500008ZB	DIN 6923 M5 ZB	1
20	96923-0600008ZB	DIN 6923 M6 ZB	2
21	90934-0600008ZB	DIN 934 M6 ZB	1
22	97380-0602508ZB	DIN 7380 M6x25 ZB	2
23	97380-0602508ZB	DIN 7380 M8x25 ZB	1
24	97643-0601508ZB	DIN 7643 M6X15 ZB	1
25	90125-0800008ZB	DIN 125 M8 ZB	1
26	CALIPER REAR BRAKE	CALIPER REAR BRAKE	1
27	PUMP REAR BRAKE	PUMP REAR BRAKE	1
28	ISO 3245 - 1252D - 14,SI,NC,14	NEEDLE CAGE	1