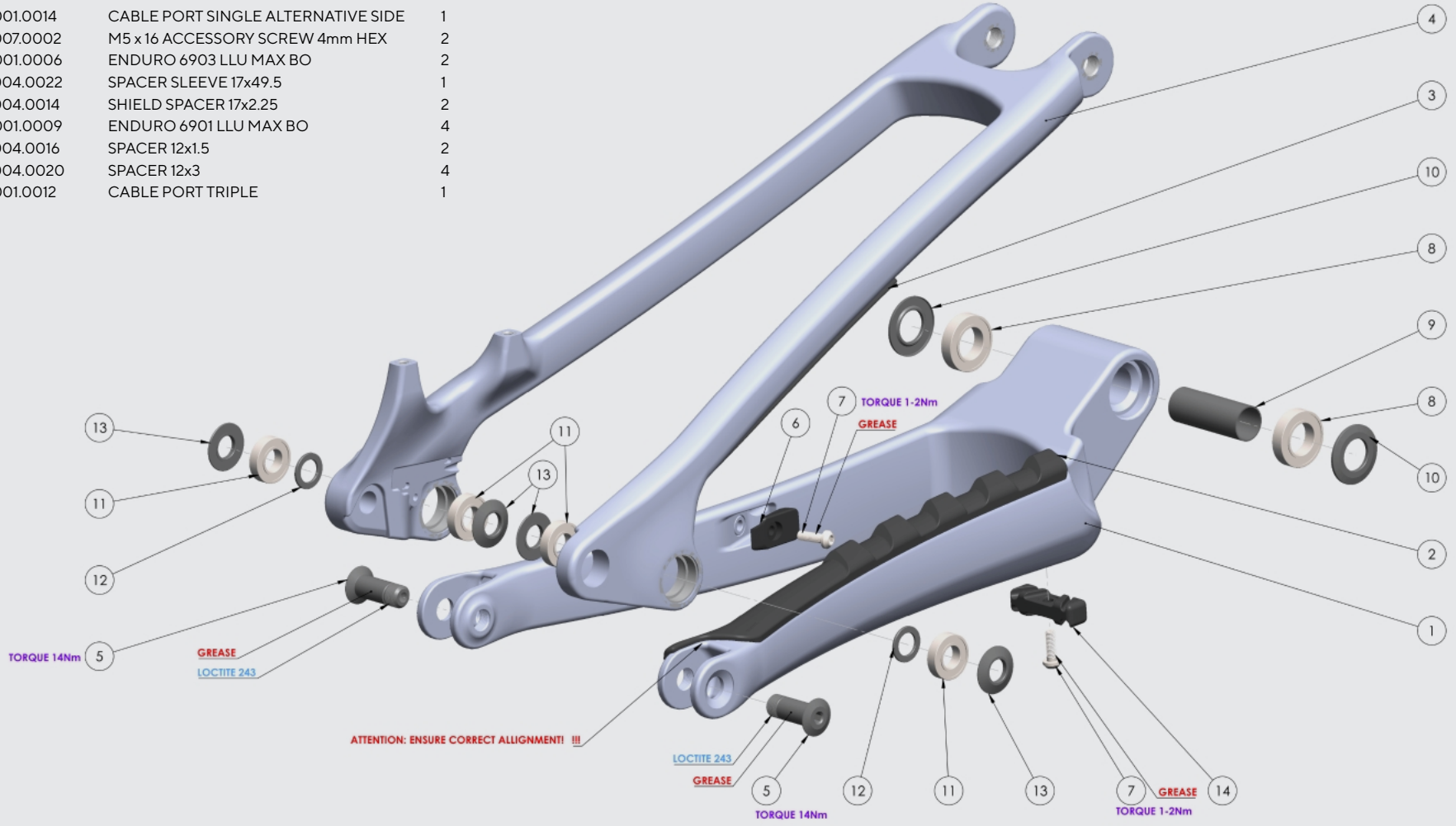
DRUID-E & DREADNOUGHT-E //
EXPLODED VIEW

EXPLODED VIEWS

SEATSTAY & CHAINSTAY

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	-	CHAINSTAY	1
2	004.002.0026	V3 CHAINSTAY PROTECTOR	1
3	004.002.0027	V3 SEATSTAY PROTECTOR	1
4	-	SEATSTAY	1
5	002.001.0011	SHAFT 12x30	2
6	004.001.0014	CABLE PORT SINGLE ALTERNATIVE SIDE	1
7	003.007.0002	M5 x 16 ACCESSORY SCREW 4mm HEX	2
8	005.001.0006	ENDURO 6903 LLU MAX BO	2
9	002.004.0022	SPACER SLEEVE 17x49.5	1
10	002.004.0014	SHIELD SPACER 17x2.25	2
11	005.001.0009	ENDURO 6901 LLU MAX BO	4
12	002.004.0016	SPACER 12x1.5	2
13	002.004.0020	SPACER 12x3	4
14	004.001.0012	CABLE PORT TRIPLE	1

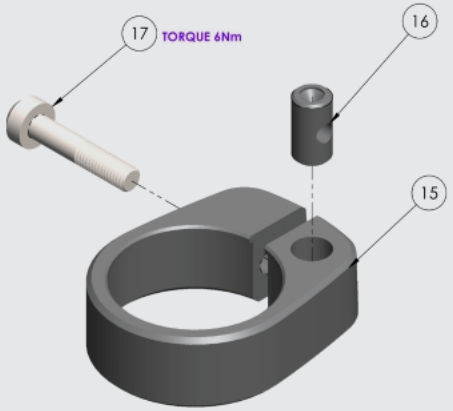


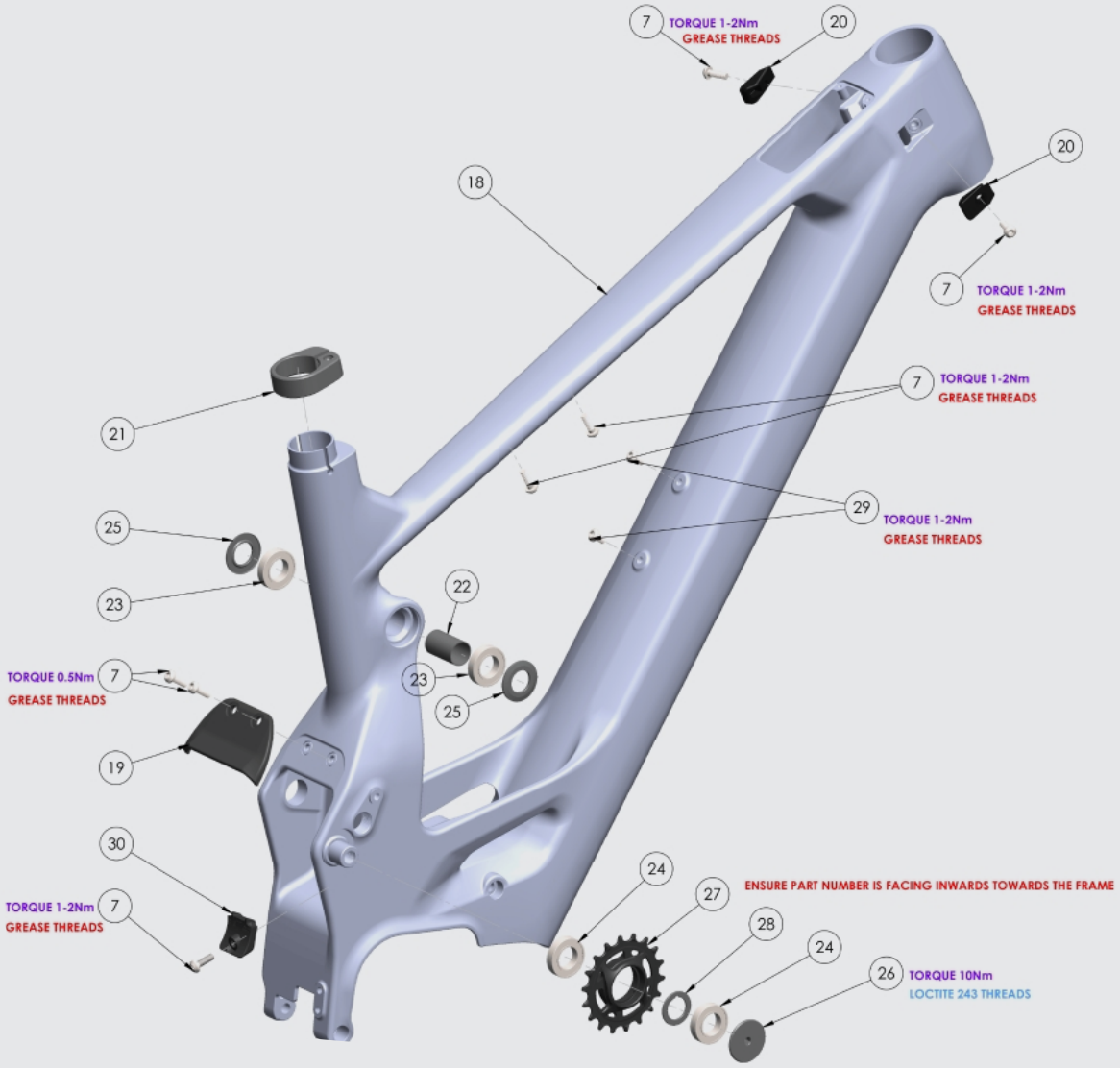
ATTENTION: APPLY LIGHT FILM OF GREASE TO BEARING BORES BEFORE INSTALLATION!

EXPLODED VIEWS

FRONT TRIANGLE

ITEM NO.	PART NO.	DESCRIPTION	QTY
15	003.006.0001	SEAT CLAMP	1
16	003.006.0001	SEAT CLAMP BARREL	1
17	003.007.0005	SEAT CLAMP SCREW	1



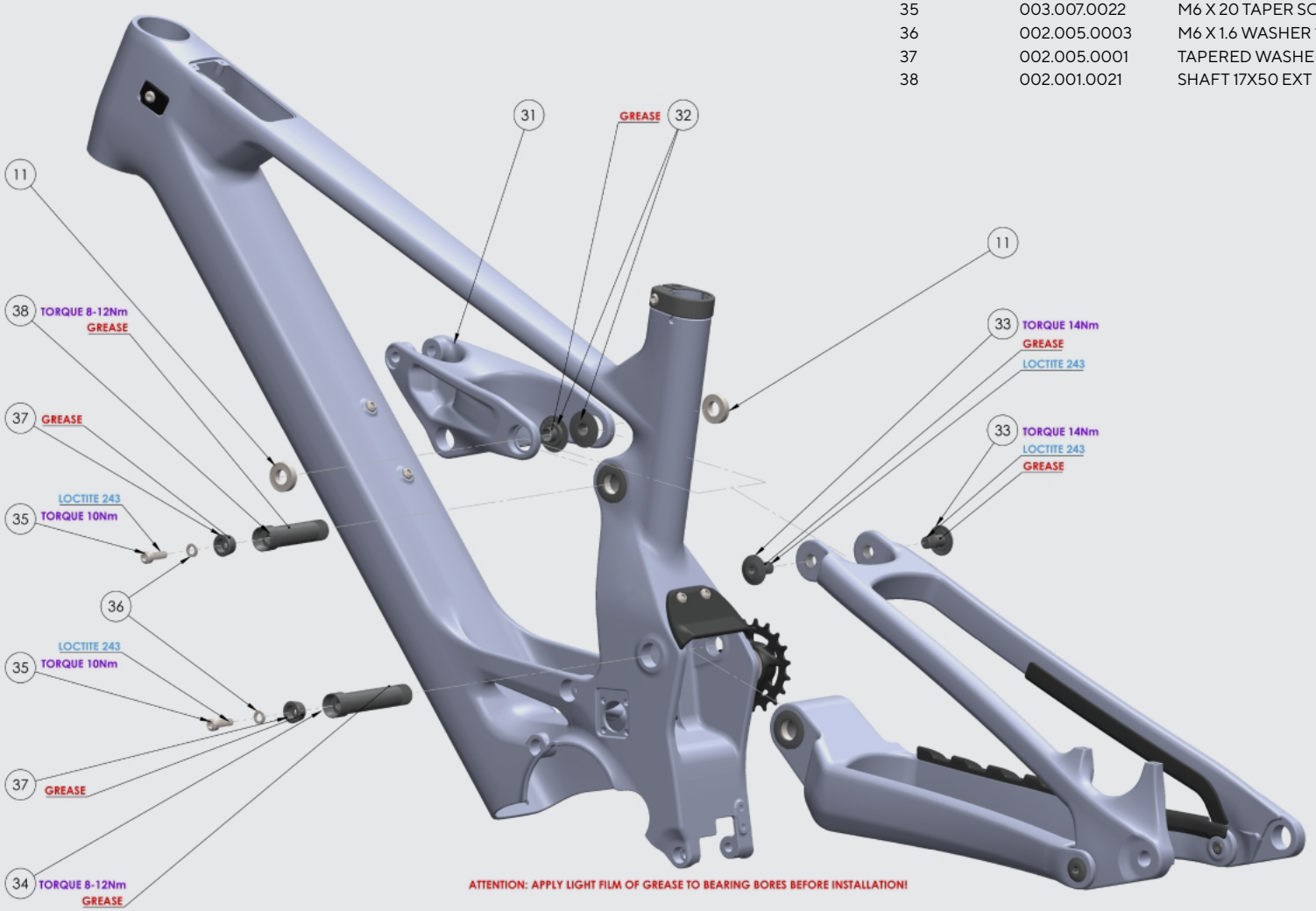


ITEM NO.	PART NO.	DESCRIPTION	QTY
7	003.007.0002	M5 x 16 ACCESSORY SCREW 4mm HEX	7
18	-	FRONT TRIANGLE	1
19	004.002.0009	V2 FENDER	1
20	004.001.0003	CABLE PORT SINGLE	2
21	003.999.0002	SEAT CLAMP ASSEMBLY	1
22	002.004.0018	SPACER SLEEVE 17x31.5	1
23	005.001.0006	ENDURO 6903 LLU MAX BO	2
24	005.001.0010	ENDURO 6903 LLU SOLID LUBE	2
25	002.004.0014	SHIELD SPACER 17x2.25	2
26	003.001.0024	IDLER PULLEY SCREW [DOUBLE BEARING] - 10x	1
27	003.001.0023	IDLER PULLEY 18T [DOUBLE BEARING]	1
28	002.004.0021	SPACER 17x1.5	1
29	003.007.0025	M5 x 8 SHORT ACCESSORY SCREW	2
30	004.001.0013	CABLE PORT QUAD (2x 5mm | 2x 3mm)	1

EXPLODED VIEWS

ROCKER LINK & MAIN PIVOT

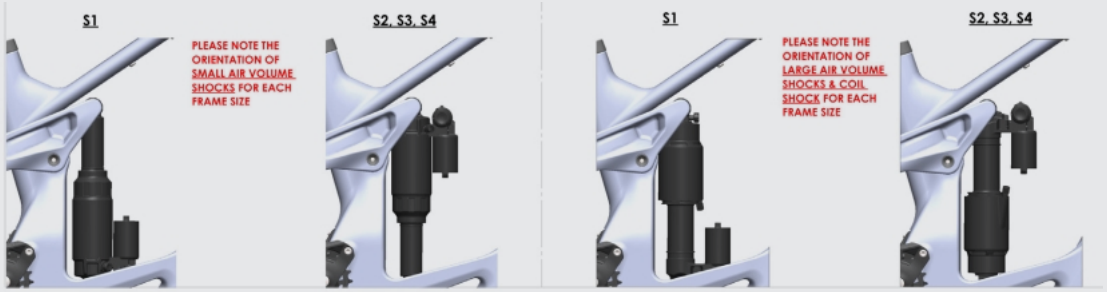
ITEM NO.	PART NO.	DESCRIPTION	QTY
11	005.001.0009	ENDURO 6901 LLU MAX BO	2
31	-	ROCKER LINK	1
32	002.004.0010	SPACER 10X4 FLANGED TOP HAT	2
33	002.002.0006	SCREW 10X1X18.5 24OD	2
34	002.001.0020	SHAFT 17X66 EXT	1
35	003.007.0022	M6 X 20 TAPER SOCKET SCREW 5MM HEX	2
36	002.005.0003	M6 X 1.6 WASHER 11MM OD	2
37	002.005.0001	TAPERED WASHER 17MM	2
38	002.001.0021	SHAFT 17X50 EXT	1

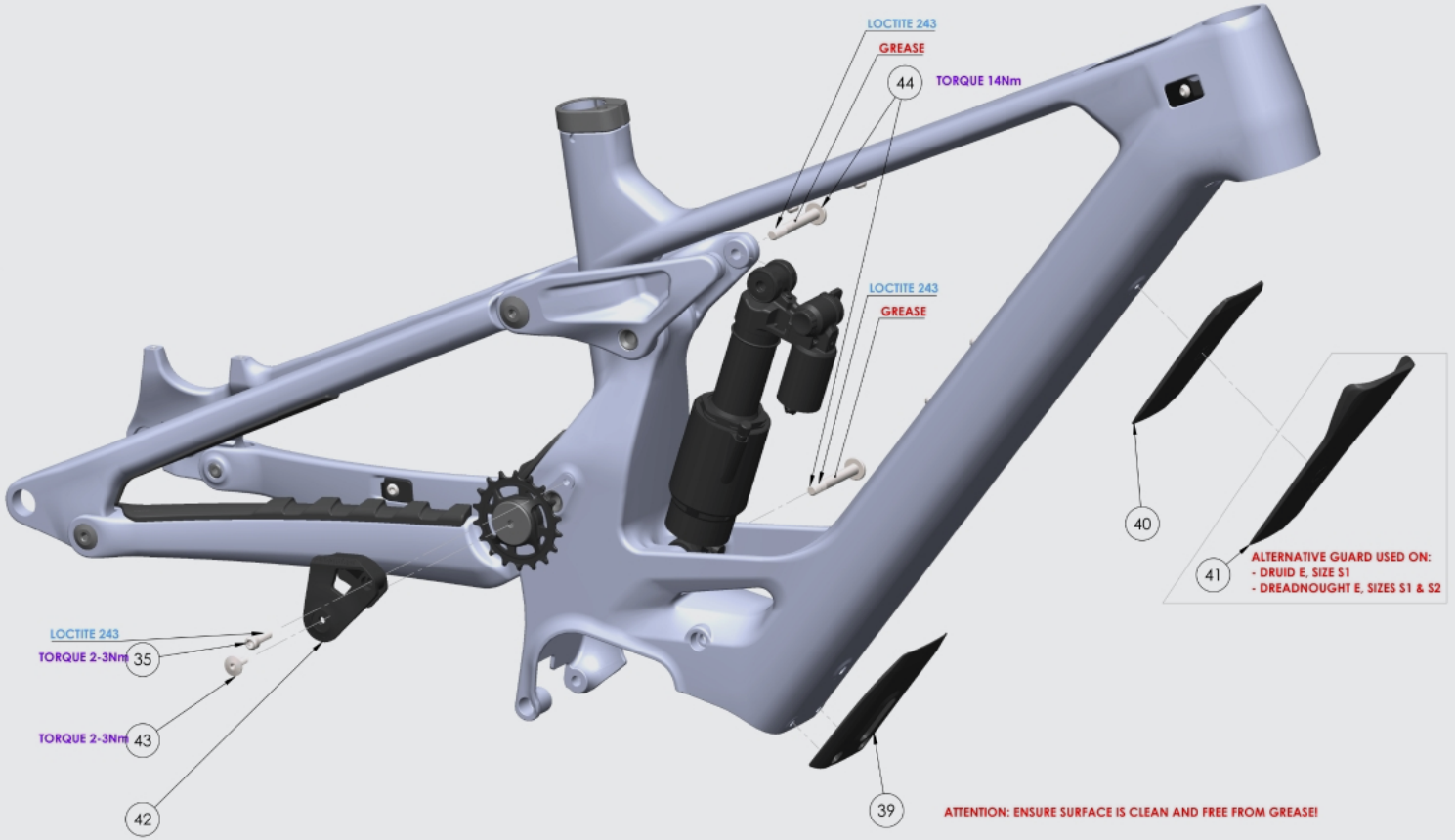


EXPLODED VIEWS

DOWNTUBE PORTECTION, CHAINGUIDE & SHOCK

ITEM NO.	PART NO.	DESCRIPTION	QTY
35	003.007.0022	M6 x 20 TAPER SOCKET SCREW 5mm HEX	1
39	004.002.0030	E-MTB LOWER DOWNTUBE GUARD	1
40	004.002.0032	SHUTTLE GUARD	1
41	004.002.0031	SHUTTLE GUARD & BUMP STOP	-
42	004.003.0010	V2 RACE GUIDE	1
43	003.007.0014	M5 x 16 - LEFT HAND THREAD SCREW 3mm HEX	1
44	003.007.0032	SHOCK SCREW M8x1.25x58	2



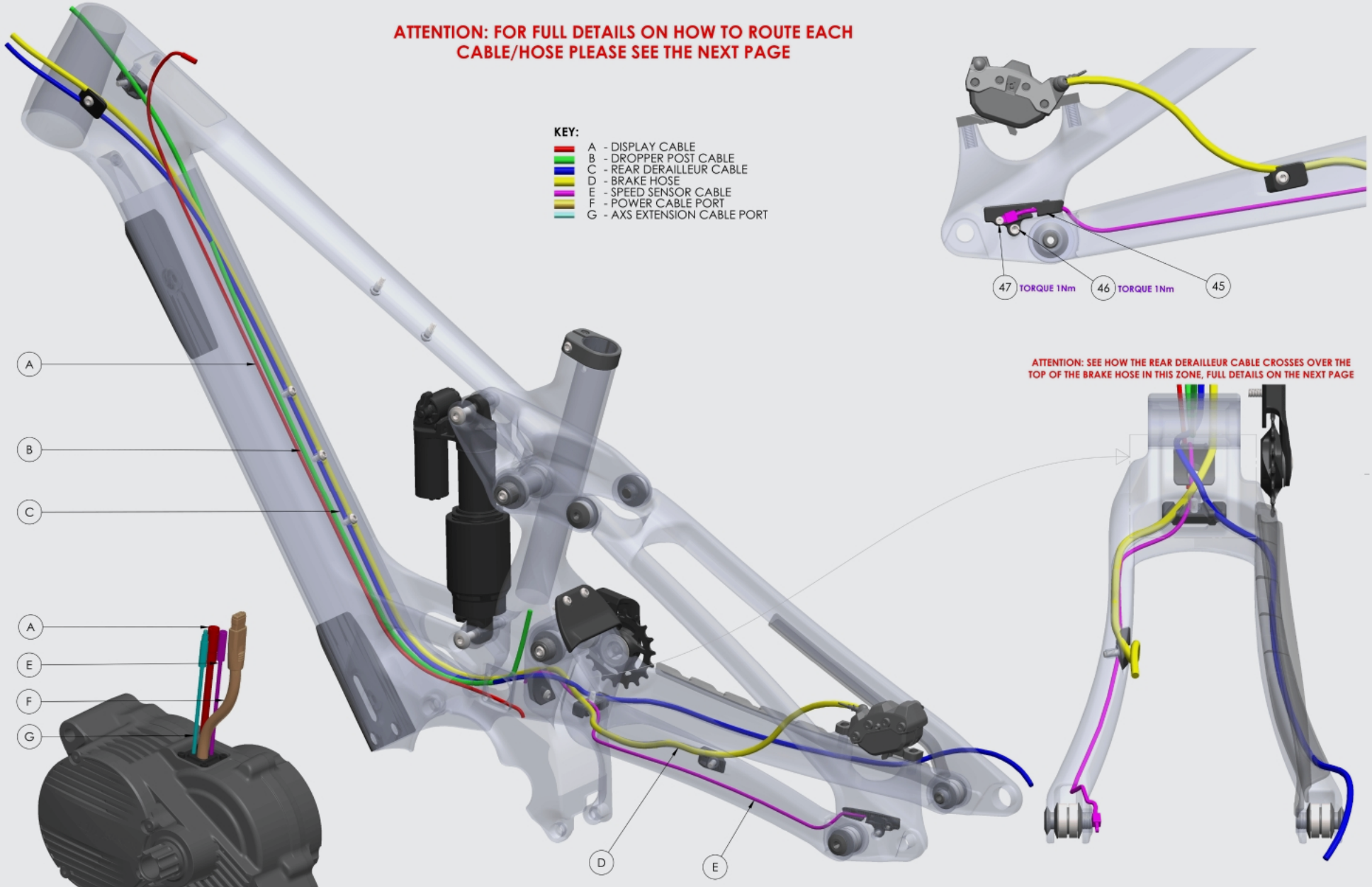


CABLE ROUTING

OVERVIEW

ITEM NO.	PART NO.	DESCRIPTION	QTY
45	004.002.0037	SPEED SENSOR HOLDER	1
46	003.007.0012	M4 x 10 SOCKET SCREW 4mm HEX	1
47	-	M3 AVINOX SPEED SENSOR SCREW 2mm HEX	1

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



CABLE ROUTING

DETAILED VIEW

KEY

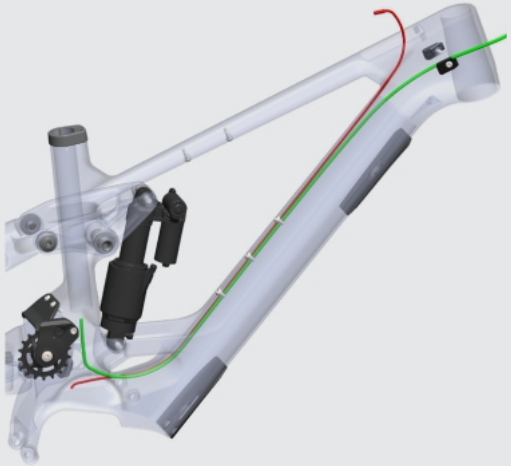
- A - DISPLAY CABLE
- B - DROPPER POST CABLE
- C - REAR DERAILLEUR CABLE
- D - BRAKE HOSE
- E - SPEED SENSOR CABLE

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

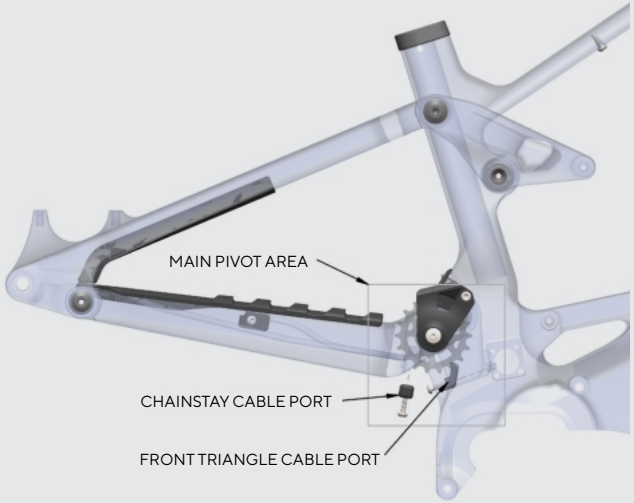
- ROUTE THROUGH THE RIGHT-HAND HEAD TUBE CABLE PORT
- ROUTE THE CABLE ALONG THE TOP OF THE DOWNTUBE
- WITH THE MOTOR REMOVED, ROUTE CABLE UP THE SEAT TUBE



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

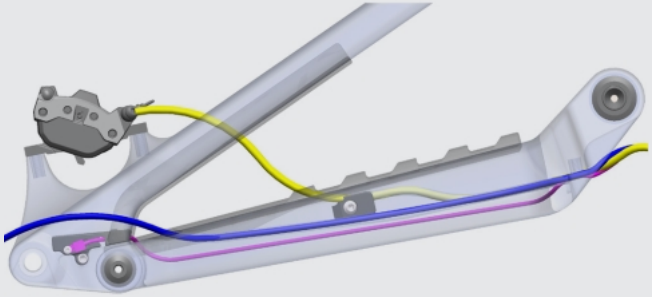
3.1:
REMOVE THE SHOCK AND CYCLE THE SUSPENSION TO FULL COMPRESSION (BOTTOMED OUT). USE A STRAP TO HOLD IT IN THIS POSITION. THIS WILL PROVIDE BETTER ACCESS TO THE UNDERSIDE OF THE MAIN PIVOT AREA.

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 THAT 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.



ROUTE FROM THE BACK, TOWARDS THE FRONT →

CABLE ROUTING

DETAILED VIEW CONTINUED

KEY

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

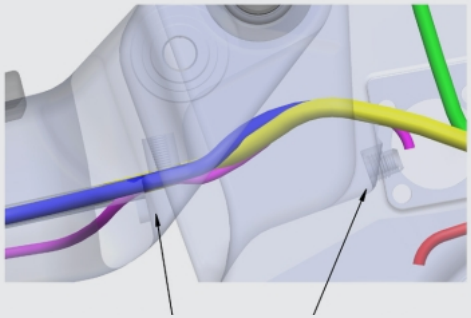
3.4:
THE CHAINSTAY PROTECTOR WILL NEED TO BE PERFORATED USING A PICK. THE DERAILLEUR CABLE HOUSING OR AXS EXTENSION CORD CAN THEN BE PUSHED THROUGH THE OPENING.

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 .



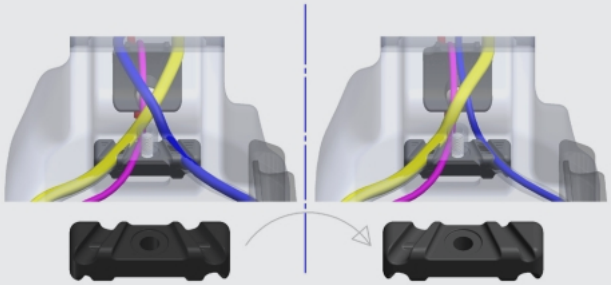
CHAINSTAY CABLE PORTS

FRONT TRIANGLE CABLE PORT

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

DERAILLEUR CABLE HOUSING

AXS EXTENSION CORD



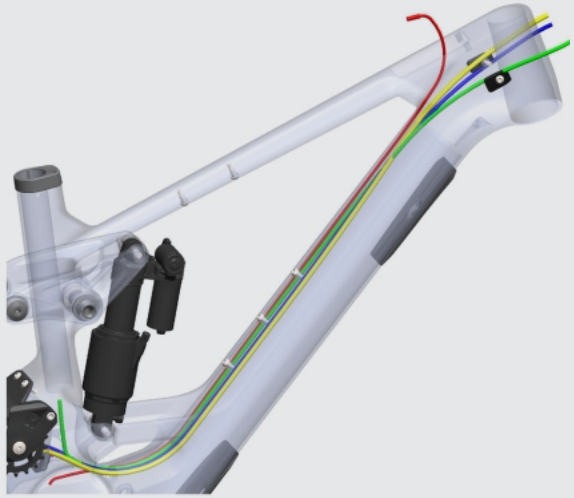
THE CHAINSTAY CABLE PORT CLAMP IS BI-DIRECTIONAL. FLIP IT ALONG ITS LENGTH TO SUIT THE CABLE HOUSING OR AXS EXTENSION CORD:

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.

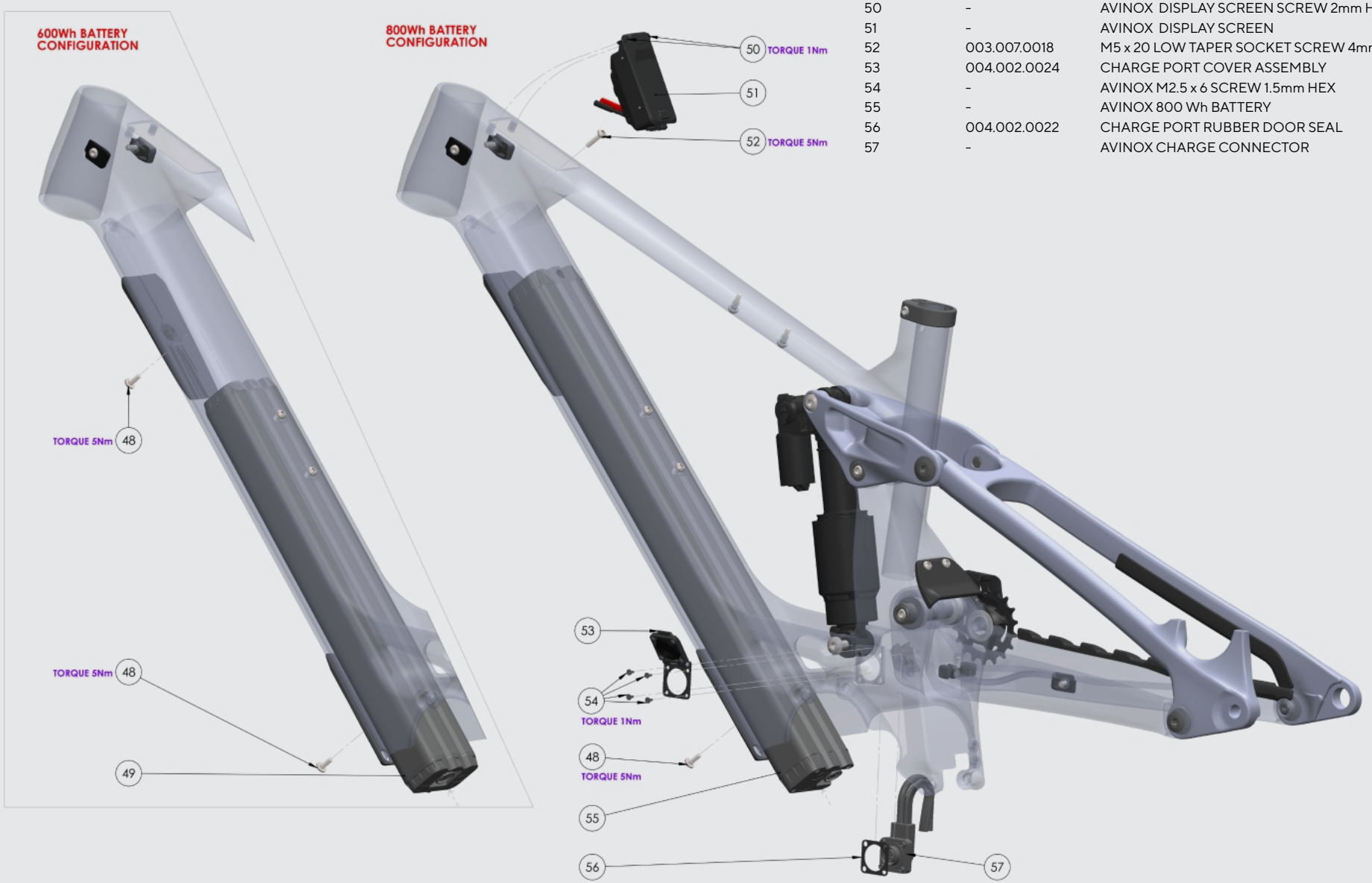
3.8:
THE SPEED SENSOR CABLE AND AXS EXTENSION CORD PLUG INTO THE MOTOR, SEE THE ILLUSTRATION ON THE PREVIOUS PAGE FOR WHICH CONNECTORS THEY PLUG INTO.

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

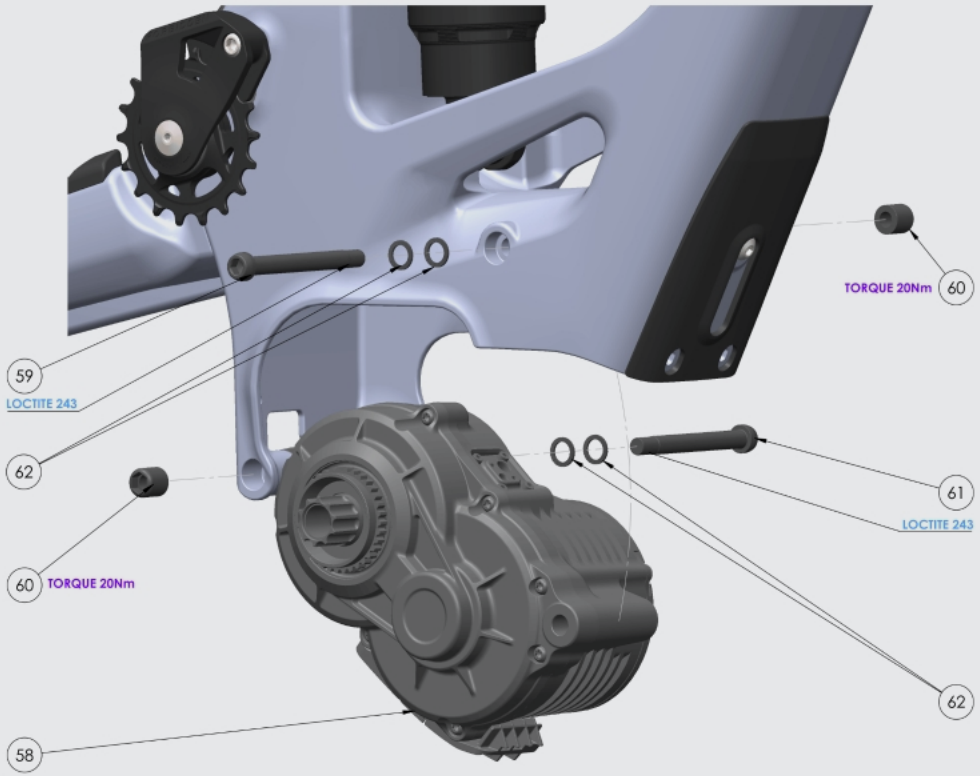
ITEM NO.	PART NO.	DESCRIPTION	QTY
48	003.007.0021	M5 x 13 WIDE HEAD SOCKET SCREW 4mm HEX	1or 2
49	-	AVINOX 600Wh BATTERY	1
50	-	AVINOX DISPLAY SCREEN SCREW 2mm HEX	2
51	-	AVINOX DISPLAY SCREEN	1
52	003.007.0018	M5 x 20 LOW TAPER SOCKET SCREW 4mm HEX	1
53	004.002.0024	CHARGE PORT COVER ASSEMBLY	1
54	-	AVINOX M2.5 x 6 SCREW 1.5mm HEX	4
55	-	AVINOX 800 Wh BATTERY	1
56	004.002.0022	CHARGE PORT RUBBER DOOR SEAL	1
57	-	AVINOX CHARGE CONNECTOR	1



BATTERY & MOTOR INSTALLATION

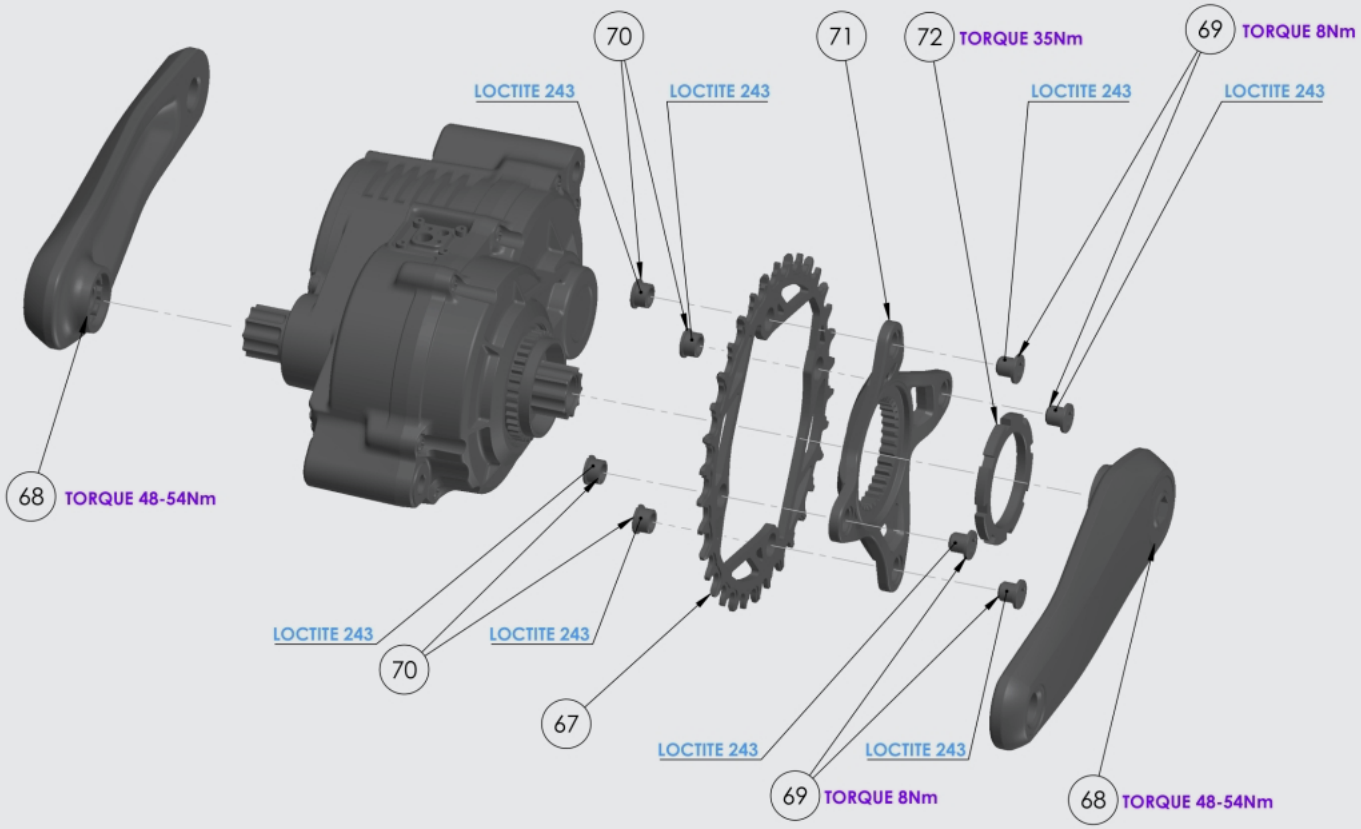
CONTINUED

ITEM NO.	PART NO.	DESCRIPTION	QTY
58	-	AVINOX M2 OR M2S DRIVE UNIT	1
59	-	AVINOX MOUNTING BOLT [LONG] 6mm HEX	1
60	-	AVINOX M8 x 1.25 NUT 8mm HEX	2
61	-	AVINOX MOUNTING BOLT [SHORT] 6mm HEX	1
62	-	AVINOX LOCKING WASHER	4
63	004.002.0028	DRUID E & DREADNOUGHT E MOTOR COVER S1-S2	1
64	004.002.0029	DRUID E MOTOR COVER S3-S4	-
65	004.002.0038	DREADNOUGHT E MOTOR COVER S3-S4	-
66	003.007.0023	M4 x 10 LOW TAPER SOCKET SCREW 3mm HEX	3



CRANK & SPIDER INSTALLATION

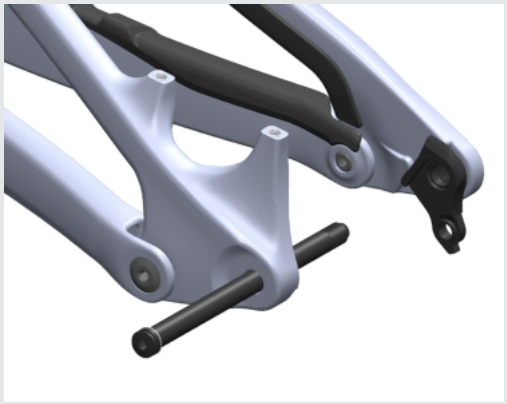
ITEM NO.	PART NO.	DESCRIPTION	QTY
67	-	CHAINRING	1
68	-	CRANKS	2
69	-	CHAINRING BOLTS	4
70	-	CHAINRING NUTS	4
71	-	CHAINRING SPIDER 104 BCD	1
72	-	SPIDER LOCKING RING	1



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 8mm Hex [25Nm]
B - Rear Axle 5mm Hex [12Nm]

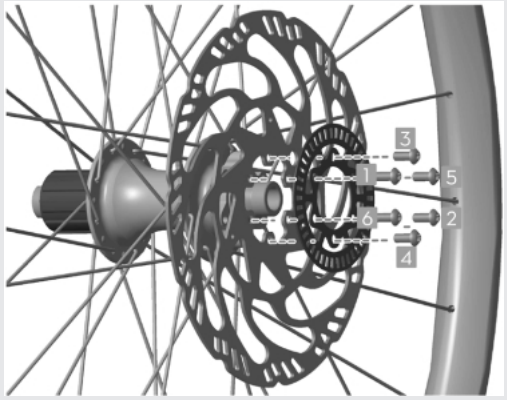
1. Remove the rear wheel. Using an 8mm hex, loosen the UDH hanger bolt [A] clockwise, and then remove the bolt and the UDH hanger.

2. Install a new UDH hanger into the frame dropout and rotate it until it completely contacts the stop tab.

3. Install the UDH washer and bolt, then tighten it counter-clockwise to the required torque.

4. Mount the rear wheel and install the rear axle [B], tightening the axle to the required torque.

SPEED SENSOR RING



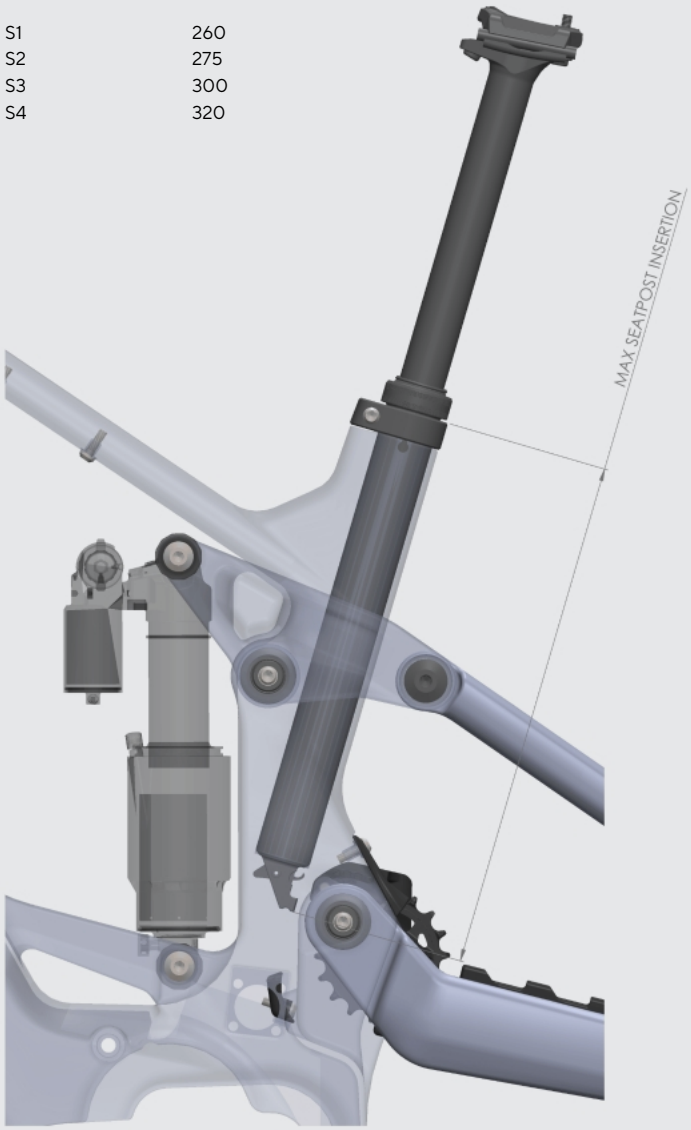
The speed sensor ring is mounted on the rear brake rotor.
When replacing the rear wheel or rear brake rotor, ensure to detach the speed sensor ring and mount it onto the new rear wheel. Tighten the bolts in the following order, see the illustration for reference.
1 -> 2 -> 3 -> 4 -> 5 -> 6 - Rotor Bolts T25 [5Nm]

ASSEMBLY & SETUP

SEATPOST INSERTION

Both our frame and seatpost have insertion requirements. Failure to follow these requirements may result in damage to the frame and seatpost

FRAME SIZE	MAX INSERTION (mm)
S1	260
S2	275
S3	300
S4	320



SEATPOST ADJUSTMENT

A - Seat Clamp Screw 5mm Hex [6Nm]
B - Cable Port Screw 4mm Hex [2Nm]

1. Loosen the seat clamp screw [A] using a 5mm hex

2. Loosen the cable port screw [B] using a 4mm hex so that the cable housing for the dropper is free to move in the cable port

3. If you need to lift the seapost up, then feed the cable housing into the frame. If the seapost is being lowered, pull the excess cable out from the frame.

4. Once your adjustment is complete, tighten the seat clamp screw to the required torque. Then pull tight on the cable housing at the headtube to remove any slack from inside the frame. This will stop the cable from rattling while riding

Please refer to the cable routing section if you are required to change the dropper cable housing.

If the correct seat height cannot be achieved within the minimum or maximum insertion requirements, the seatpost should be replaced with a different length.