

English

SERVICE PART GUIDE & SCHEMATIC

DIVERGE 4 CARBON



INDEX

1. WEIGHT LIMITS	2
2. COMPATIBILITY SPECIFICATIONS	2
3. GENERAL SPECIFICATIONS	3
4. GENERAL TORQUE SPECIFICATIONS	5
5. FRAME MOUNTING POINTS	7
6. HEADSET	9
7. STEM AND HEADSET CAP	11
8. HEADSET COLLAR	13
9. HEAD TUBE ICR PORTS	14
10. SEATPOSTS AND SEATPOST COLLAR	15
11. DOWNTUBE MOUNT AND PROTECTOR	16
12. SWAT	17
13. CHAINSTAY PROTECTOR	18
14. CABLE ROUTING SCHEMATIC	19
15. CABLE ROUTING SCHEMATIC - SHIMANO DI2	21
16. WHEELS AND HUBS	22
17. SERVICE PARTS LIST	27

SYMBOLS LEGEND



CAUTION FOR POTENTIAL HAZARDOUS SITUATION



IMPORTANT INFORMATION



DO NOT APPLY GREASE



USE HIGH-QUALITY GREASE



USE HIGH-QUALITY CARBON ASSEMBLY PASTE



USE HIGH-QUALITY BEARING RETAINING COMPOUND



USE EVERSEAL 183 THREADLOCKER



USE BLUE THREADLOCKER



ASSEMBLY DIRECTION



ASSEMBLY PATH



ORDER OF OPERATION



CORRECT



INCORRECT



VIDEO GUIDE LINK



GENERAL SPECIFICATION LINK

SPECIALIZED BICYCLE COMPONENTS | 15130 Concord Circle, Morgan Hill, CA 95037 (408) 779-6229

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1. WEIGHT LIMITS

MODEL	CARGO			STRUCTURAL (kg / lb)
	REAR (kg / lb)	FRONT (kg / lb)	TOW (kg / lb)	
Diverge 4 Carbon (Pro, Expert, Comp, Sport)	14 / 30	14 / 30	0 / 0	125 / 275

STRUCTURAL WEIGHT LIMIT: The maximum total weight (rider and cargo) the bicycle is designed and tested to support structurally.

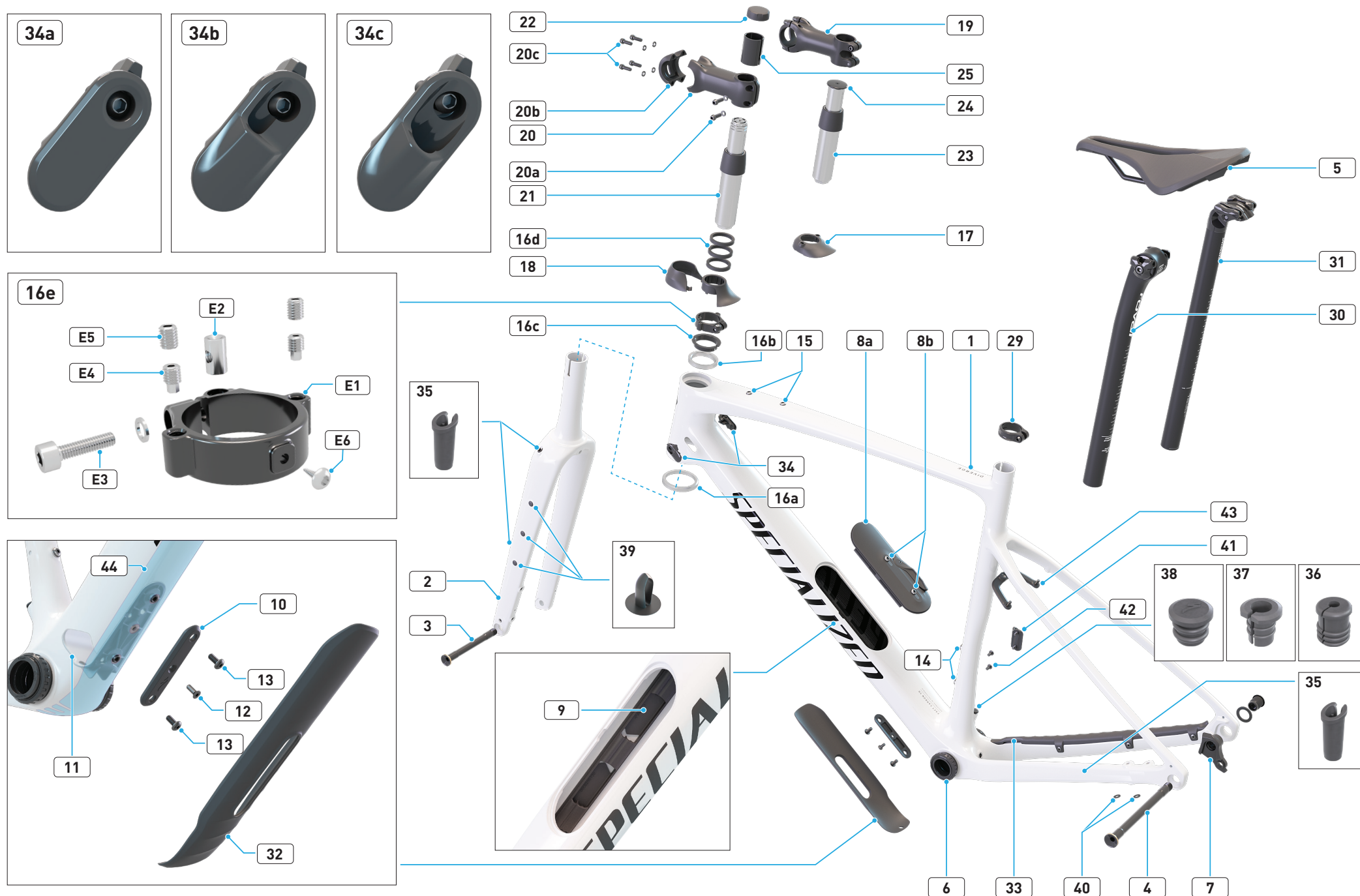
CARGO WEIGHT LIMIT: The maximum cargo weight the bicycle has been designed and tested to support structurally.

TOW WEIGHT LIMIT: The maximum weight the bicycle has been designed and tested to tow with an approved bicycle axle-mounted trailer.

2. COMPATIBILITY SPECIFICATIONS

COMPONENT	COMPATIBLE SIZES/SPECS	COMPONENT	COMPATIBLE SIZES/SPECS
Upper Headset Bearing	1.5" (45.8 mm OD x 36.8 mm ID x 6.5 mm x 45°)	Royal Terra Seatpost	(Length: S 49-52, 330 mm S 54-61, 380 mm) (Setback: 20 mm)
Lower Headset Bearing	1.8" (56.8 mm OD x 47.8 mm ID x 6.5 mm x 45°)	OE Spec 27.2 Seatpost	(Length: S 49-52, 350 mm S 54-61, 400 mm) (Setback: 21 mm)
Bottom Bracket Shell	68 mm (BSA threaded)	Dropper Seatpost Compatible	Wireless: Yes Mechanical: Yes
Front Thru-axle	12 mm x 100 mm	Rack	Front: Low-rider or cage-style Rear: Seatpost clamp-style
Rear Thru-axle	12 mm x 142 mm	Bag Mount	Yes, top tube (Do not strap around Future Shock boot)
Min/Max Chainring (1x drivetrain)	Shimano: 31t / 48t SRAM: 32t / 46t	Fender	Front: Yes Rear: Yes (frame sizes 52-61 use seatstay bridge)
Min/Max Chainring (2x drivetrain)	Shimano: 30t - 46t / 31t - 48t SRAM: 30t - 43t (only)	Bottle Clearance	3 bottles
Min/Max Front Chainline	44.5 mm / 49 mm	Front Suspension	Future Shock 3.0
Min/Max Front Rotor	160 mm / 180 mm	Stem Length	S49: 60 mm S52: 70 mm S54: 80 mm S56: 90 mm S58-61: 100 mm
Min/Max Rear Rotor	160 mm / 180 mm	Stem Steerer Diameter	Future Shock, 1 1/8" with shim
Chainstay Thickness at Rear Brake Caliper	30 mm	Stem Handlebar Diameter	31.8 mm
Min/Max Rear Tire	700 x 45c / 700 x 50c (with fender)	Handlebar Width	S49: 380 mm S52: 400 mm S54-56: 420 mm S58-61: 440 mm
Min/Max Front Tire	700 x 45c / 700 x 50c (with fender)	Light Compatibility	Stix lights
Tubeless Compatible	Yes (all carbon models)	Button (Coin Cell) Batteries	SRAM derailleur shifters: CR2032 Shimano derailleur shifters: CR1632
Seatpost Clamp Diameter	30.8 mm		
Seatpost Diameter	27.2 mm		

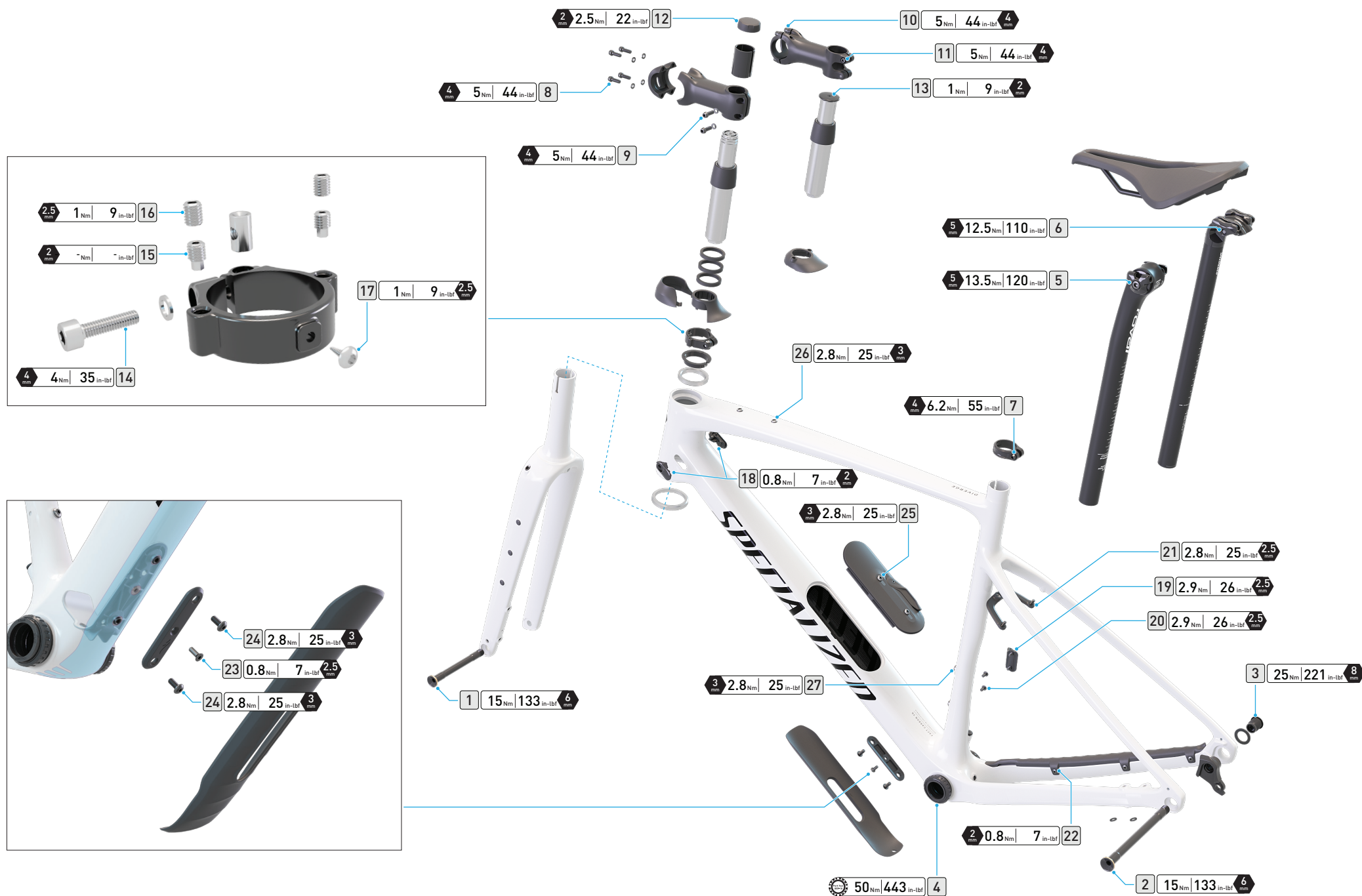
3. GENERAL SPECIFICATIONS



	PART		PART #		DETAIL	
1	Frame				Page 3	
2	Fork		Section 17		Page 3	
3	Front Axle		S200200010		Page 5	
4	Rear Axle		S200200011		Page 5	
5	Saddle				Page 15	
6	Bottom Bracket				Page 5	
7	Rear Derailleur Hanger		S202600002		Page 7	
8	SWAT 4.0 Door	A SWAT 4.0 Door		S239900003	Page 17	
		B SWAT Door Cage Bolts	S230500005		Page 17	
9	Self Adhesive ICR Channel		S256500002		Page 19	
10	Down Tube Mount - Outer Bracket		S209900016		Page 16	
11	Down Tube Mount - Bulkhead		S209900017		Page 16	
12	Down Tube Mount - Bolt		S179900036		Page 16	
13	Down Tube Mount - Accessory Bolts		S230500005		Page 16	
14	Seat Tube Cage Bolts		S230500005		Page 5	
15	Top Tube Accessory Bolts		S220500004		Page 5	
16	Headset	A Lower Bearing	S222500004	S222500005	Page 9	
		B Upper Bearing	S182500006		Page 9	
		C Compression Ring			Page 9	
		D Spacer	S172500021		Page 9	
		E	1: Future Shock Collar			Page 9 and 13
			2: Collar Barrel Nut			Page 9 and 13
			3: Collar Pinch Bolt			Page 9 and 13
			4: Collar Preload Screw			Page 9 and 13
			5: Collar Locking Screw			Page 9 and 13
			6: Collar Locator Bolt			Page 9 and 13
17	Headset Cover 0 mm		S192500011		Page 9 and 10	
18	Headset Cover 15 mm		S192500010		Page 9 and 10	
19	Roval Alpinist Stem	A Steerer Bolts		Section 7	Page 11	
		B Faceplate			Page 11	
		C Faceplate Bolts			Page 11	
20	Future Stem	A Steerer Bolts		Section 7	Page 11	
		B Faceplate			Page 11	
		C Faceplate Bolts			Page 11	
21	Future Shock 3.3		S223100002		Page 9	
22	Future Shock 3.3 Adjuster Knob		S223100005		Page 11	
23	Future Shock 3.2		S223100003		Page 9	

23	Future Shock 3.1 (Not Shown)		S223100006		Page 9
24	Future Shock 3.1 / 3.2 Top Cap and Bolt		S223100007		Page 11
25	Future Shock Stem Shim		S234800001		Page 11
26	Future Shock 3.0 Preload Spacers (Not Shown)		S233100002		
27	Future Shock 3.0 Spring Kit (Not Shown)		S233100001		
28	Handlebar (Not Shown)		Section 17		
29	Seatpost Clamp		S194700002		Page 15
30	Roval Terra Seatpost		Section 10		Page 15
31	OE Spec 27.2 Seatpost		Section 10		Page 15
32	Down Tube Protector		S209900018		Page 16
33	Chainstay Protector		S206900002		Page 18
34	ICR Port	A 0 Hole (Cover)		S209900020	Page 14
		B 1 Hole			Page 14
		C 2 Hole			Page 14
35	ICR Grommet (Hose and Housing)		S179900013		Page 19
36	ICR Grommet (Di2)		S159900006		Page 19
37	ICR Grommet (Mechanical Shifting)		S169900008		Page 19
38	ICR Plug (SRAM AXS and 1x Setup)		S179900015		Page 19
39	Threaded Insert Plug		S209900022		Page 3
40	Rear Brake Mounting Washer				Page 3
41	Front Derailleur Hanger and Bolts (2x Setup)		S201900001		Page 19
42	Front Derailleur Blocking Bolts (1x Setup)		S179900036		Page 19
43	Seatstay Bridge		S209900019		Page 7
44	Down Tube Pre-Applied Mylar Protector				Page 16

4. GENERAL TORQUE SPECIFICATIONS

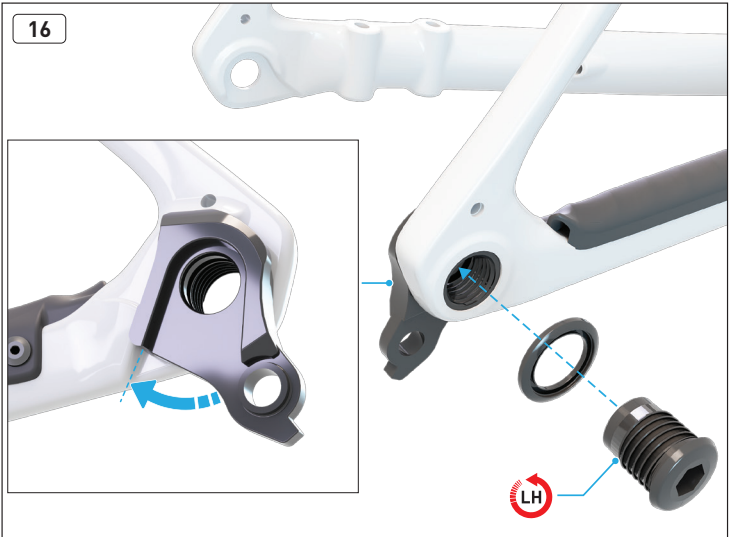
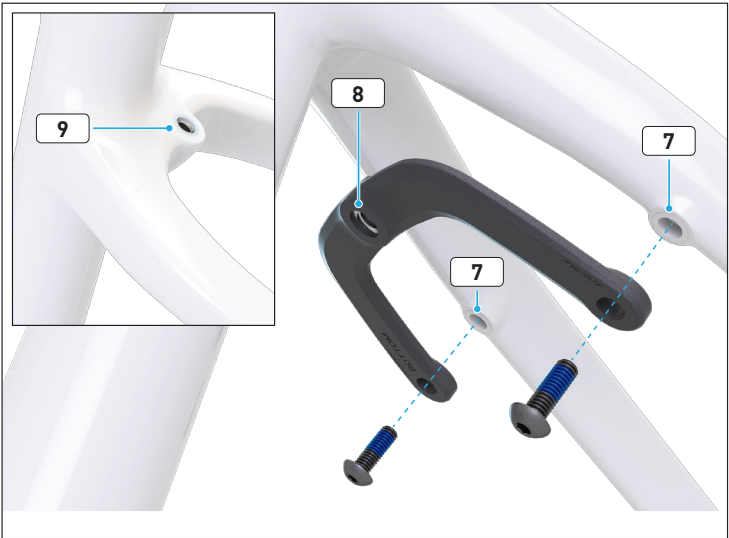


* See table on next page for tool specification.

#	PART NAME	SPECIFICATION	TOOL	TORQUE		
				Nm	in-lbf	
1	Front Axle	M12 x 1 mm P x 100 mm	6 mm hex	15	133	
2	Rear Axle	M12 x 1 mm P x 142 mm	6 mm hex	15	133	
3	Rear Derailleur Hanger	SRAM UDH	8 mm hex	25	221	
4	Bottom Bracket	68 mm [BSA Threaded]	BB Tool	50	442	
5	Saddle Rail Bolt (Roval Terra Seatpost)	M6 x 1.0 mm P x 37 mm	5 mm hex	13.5	120	
6	Saddle Rail Bolt (OE Spec 27.2 Seatpost)	M6 x 1.0 mm P x 51 mm	5 mm hex	12.5	110	
7	Seatpost Clamp	Clamp - 30.8 mm Diameter Bolt - M5 x 0.8 mm P x 18 mm	4 mm hex	6.2	55	
8	Future Stem Faceplate Bolts	M5 x 0.8 mm P x 15 mm	4 mm hex	5	44	
9	Future Stem Steerer Bolts	M5 x 0.8 mm P x 15 mm	4 mm hex	5	44	
10	Roval Alpinist Stem Faceplate Bolts	M5 x 0.8 mm P x 18 mm	4 mm hex	5	44	
11	Roval Alpinist Stem Steerer Bolts	M5 x 0.8 mm P x 18 mm	4 mm hex	5	44	
12	Future Shock 3.3 Adjuster Knob	M4 x 0.7 mm P x 4 mm (custom extended tip)	2 mm hex	2.5	22	
13	Future Shock 3.2 Top Cap Bolt	M3 x 0.5 mm P x 8 mm (countersunk bolt)	2 mm hex	1	9	
14	Headset Collar Pinch Bolt	M5 x 0.8 mm P x 18 mm	4 mm hex	4	35	
15	Headset Collar Preload Screw	M5 x 0.8 mm P x 4.45 mm	2 mm hex	-	-	
16	Headset Collar Locking Screw	M5 x 0.8 mm P x 6 mm	2.5 mm hex	1	9	
17	Headset Collar Locator Bolt	M3 x 0.5 mm P x 4.5 mm	2.5 mm hex	1	9	
18	ICR Port Bolts	M3 x 0.5 mm P x 12 mm	2 mm hex	0.8	7	
19	Front Derailleur Hanger and Bolts (2x Setup)	M4 x 0.7 mm P x 10 mm	2.5 mm hex	2.9	26	
20	Front Derailleur Blocking Bolts (1x Setup)	M4 x 0.7 mm P x 10 mm	2.5 mm hex	2.9	26	

#	PART NAME	SPECIFICATION	TOOL	TORQUE		
				Nm	in-lbf	
21	Seatstay Bridge Bolts	M4 x 0.7 mm P x 12 mm (fender mount M6 thread)	2.5 mm hex	2.8	25	
22	Chainstay Protector Bolts	M4 x 0.7 mm P x 9 mm	2 mm hex	0.8	7	
23	Down Tube Mount Bolt	M4 x 0.7 mm P x 12 mm	2.5 mm hex	0.8	7	
24	Down Tube Mount Accessory Bolts	M5 x 0.8 mm P x 11.5 mm	3 mm hex	2.8	25	
25	SWAT Door Cage Bolts	M5 x 0.8 mm P x 10 mm	3 mm hex	2.8	25	
26	Top Tube Accessory Bolts	M5 x 0.8 mm P x 16 mm	3 mm hex	2.8	25	
27	Seat Tube Cage Bolts	M5 x 0.8 mm P x 10 mm	3 mm hex	2.8	25	

5. FRAME MOUNTING POINTS

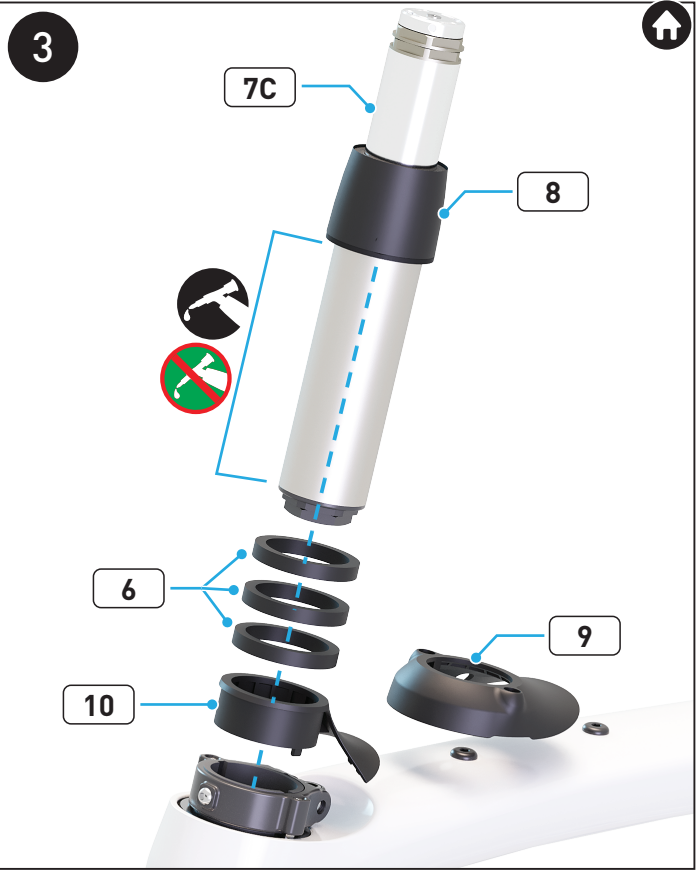
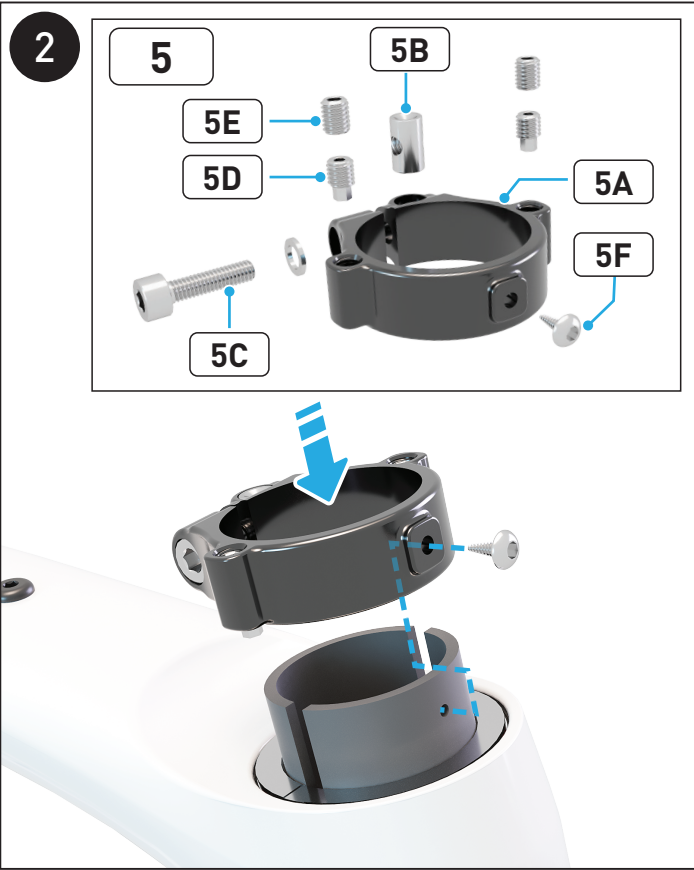
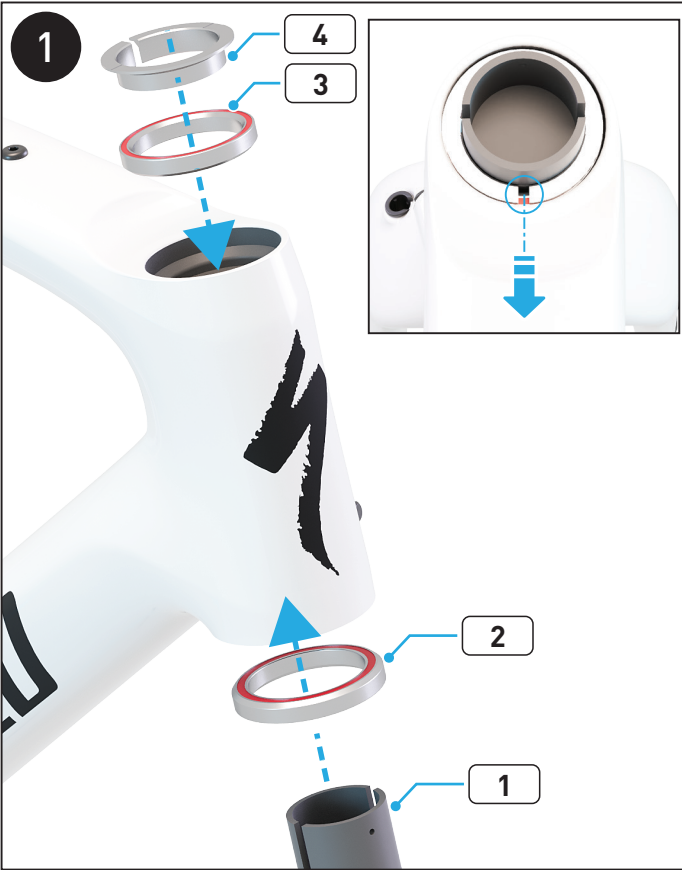


#	PART NAME	PART #	QTY	SPEC	TOOL	TORQUE		THREAD PREPARATION	COMMENT
						Nm	in-lbf		
1	SWAT Door Bottle Cage Bolts	S230500005	2	M5 x 0.8 mm P x 10 mm	3 mm hex	2.8	25		Bottle cage std, accessories
2	Seat Tube Bottle Cage Bolts	S230500005	2	M5 x 0.8 mm P x 10 mm	3 mm hex	2.8	25		Bottle cage std, accessories
3	Top Tube Accessory Bolts	S220500004	2	M5 x 0.8 mm P x 16 mm	3 mm hex	2.8	25		Bottle cage std, accessories
4	Down Tube Mount Accessory Bolts	S230500005	2	M5 x 0.8 mm P x 11.5 mm	3 mm hex	2.8	25		Bottle cage std, accessories

* Bolts treated with blue threadlocker - apply grease to non-threaded surfaces only. **DO NOT** apply grease to threads.

5	Fork Crown Mount		1	M5 x 0.8 mm P		4.5	40		Fender crown mount
6	Fork Blade Mount		8	M5 x 0.8 mm P		4.5	40		Fender strut, pannier rack, bottle cage std, accessories
7	Seatstay Bridge Mount		2	M4 x 0.7 mm P x 12 mm	2.5 mm hex	2.8	25		Seatstay Bridge
8	Seatstay Bridge Fender Mount	S209900019	1	M6 x 1 mm P		2.8	25		Rear Fender
9	Seatstay Fender Mount (Size 49 Only)		1	M5 x 0.8 mm P		2.8	25		Rear Fender
10	Dropout Rear Rack Mount		2	M5		4.5	40		Rear Rack
11	Seatpost Clamp Rack Mount		1	M5 x 0.8 mm P x 18 mm	4 mm hex	6.2	55		Rear Rack
12	Front Derailleur Hanger		2	M4 x 0.7 mm P x 10 mm	2.5 mm hex	2.9	26		2x and 1x Front Derailleur Setup
13	Bottom Bracket Fender Mount		1	M5 x 0.8 mm P		4.5	40		Rear Fender
14	Front Brake Mount		2	M5, Depth: 11 mm		6-8	53-70		Front Brake
15	Rear Brake Mount		2	5.2 mm bore, Thickness: 30 mm		6-8	53-70		Rear Brake
16	Rear Derailleur Hanger	S202600002	1	SRAM UDH (00.7918.089.000)	8 mm hex	25	221		Rear Derailleur Hanger

6. HEADSET



#	PART NAME	PART #	PART #	QTY	SPEC	TOOL	TORQUE		THREAD PREPARATION	COMMENT
							Nm	in-lbf		
1	Fork	Section 17		1	700C, Carbon, 12 mm x 100 mm, Disc, 55 mm Offset					
2	Lower Headset Bearing	S222500004		1	1.8" (56.8 mm OD x 47.8 mm ID x 6.5 mm x 45°)					
3	Upper Headset Bearing	S182500006		1	1.5" (45.8 mm OD x 36.8 mm ID x 6.5 mm x 45°)					
4	Compression Ring			1						
5	A: Future Shock Collar			1						
	B: Collar Barrel Nut		S222500005	1						
	C: Collar Pinch Bolt			1	M5 x 0.8 mm P x 18 mm	4 mm hex	4	35		
	D: Collar Preload Screw			2	M5 x 0.8 mm P x 4.45 mm	2 mm hex				
	E: Collar Locking Screw			2	M5 x 0.8 mm P x 6 mm	2.5 mm hex	1	9		
	F: Collar Locator Bolt			1	M3 x 0.5 mm P x 4.5 mm	2.5 mm hex	1	9		
6	Spacer	S172500021		3	37 mm OD x 30.5 mm ID x 5 mm					

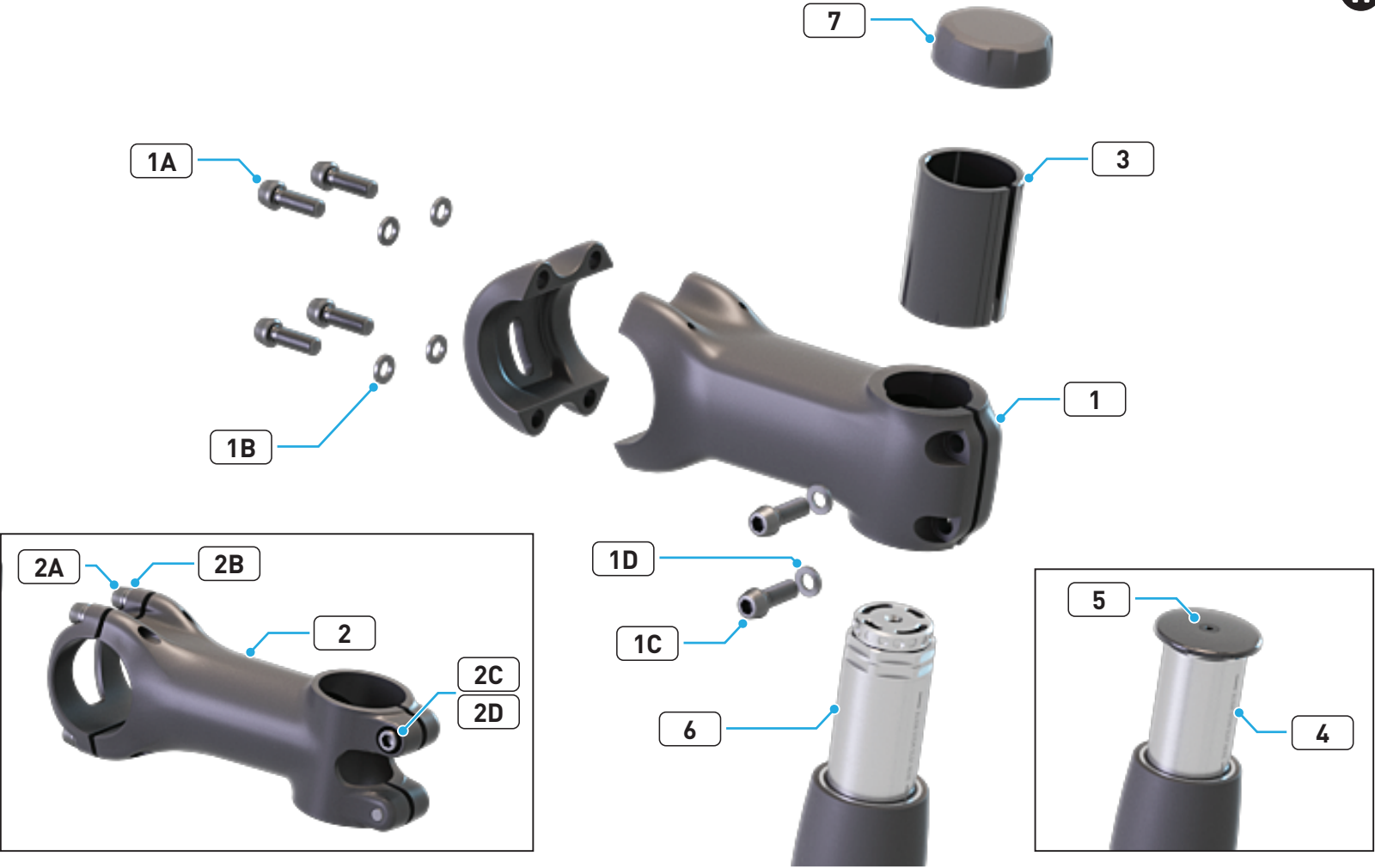
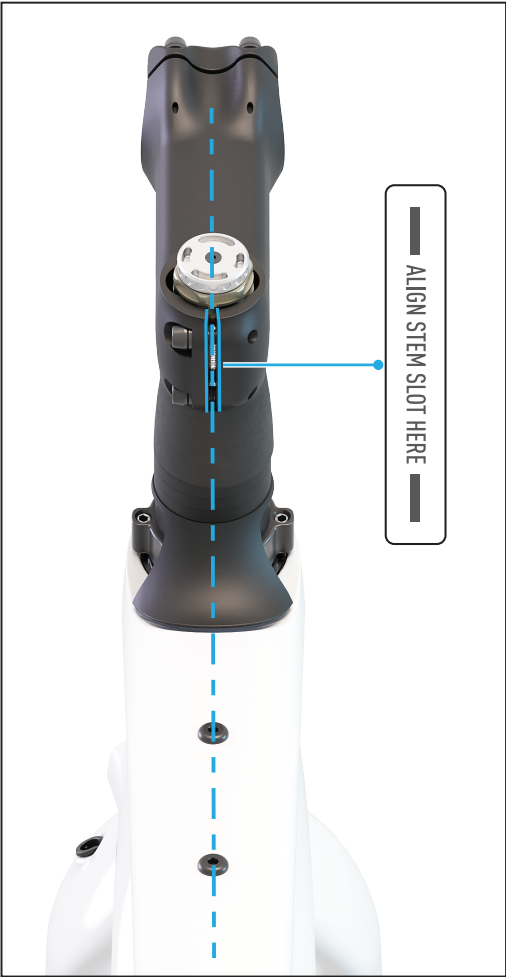
7A	Future Shock 3.1 (Not Shown)	S223100006		1					 	Sport Models
7B	Future Shock 3.2 (Not Shown)	S223100003		1					 	Comp, Expert Models
7C	Future Shock 3.3	S223100002		1					 	Pro Models
8	Future Shock Boot Assembly	S223100001		1						All models
9	Headset Cover	S192500011		1	0 mm					Non-split headset cover
10	Headset Cover	S192500010		1	15 mm					Split headset cover

6.1. HEADSET STACK



#	PART NAME	PART #	PART #	QTY	SPEC	TOOL	TORQUE		THREAD PREPARATION	COMMENT
							Nm	in-lbf		
1	Spacer	S172500021		3	37 mm OD x 30.5 mm ID x 5 mm					
2	Headset Cover	S192500010		1	15 mm					Split headset cover
3	Headset Cover	S192500011		1	0 mm					Non-split headset cover

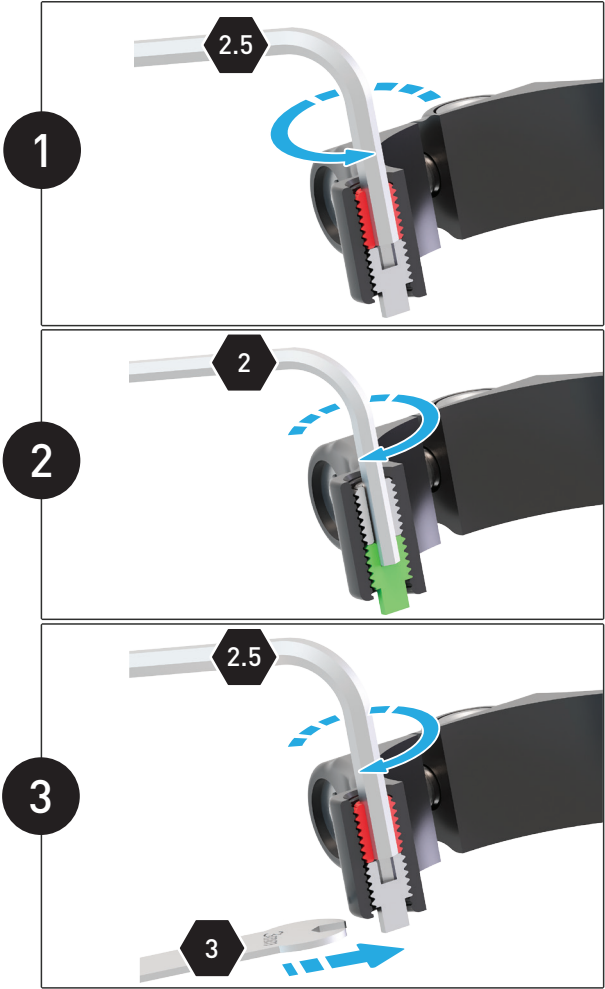
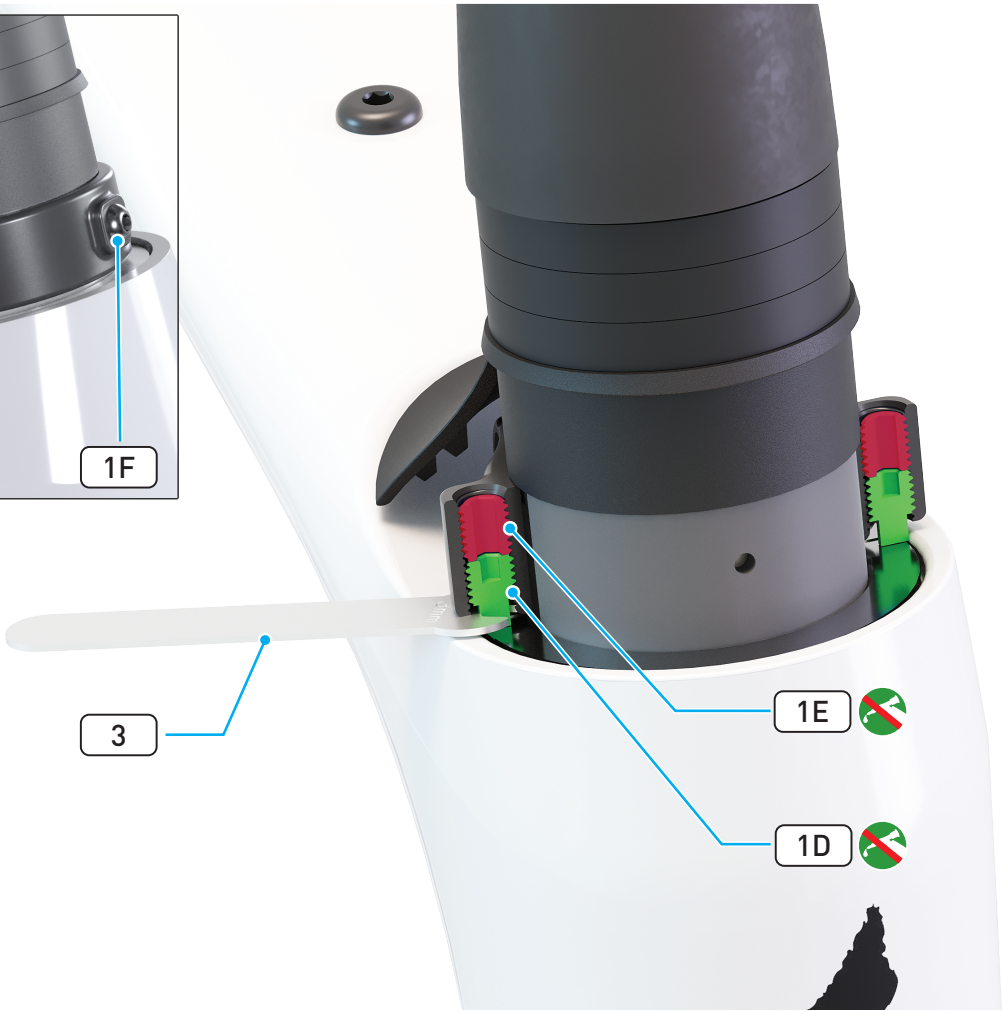
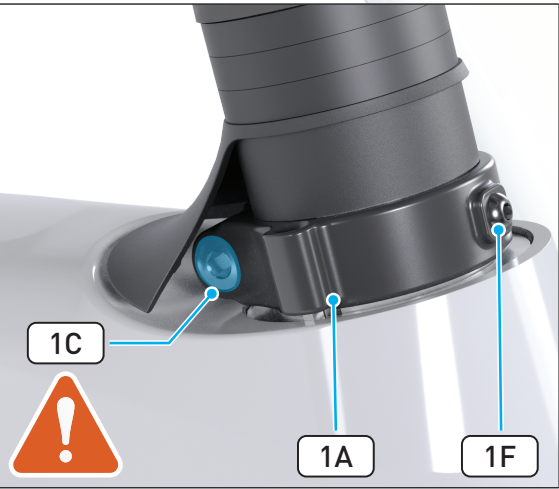
7. STEM AND HEADSET CAP



#	PART NAME	PART #	QTY	SPEC	TOOL	TORQUE		THREAD PREPARATION	COMMENT
						Nm	in-lbf		
1	Future Stem Comp	20021-1804	1	31.8 mm X 100 mm 6D					Sport and Comp Models
		20021-1805	1	31.8 mm X 110 mm 6D					Sport and Comp Models
		20021-1806	1	31.8 mm X 120 mm 6D					Sport and Comp Models
		20021-1800	1	31.8 mm X 60 mm 6D					Sport and Comp Models
		20021-1801	1	31.8 mm X 70 mm 6D					Sport and Comp Models
		20021-1802	1	31.8 mm X 80 mm 6D					Sport and Comp Models
		20021-1803	1	31.8 mm X 90 mm 6D					Sport and Comp Models

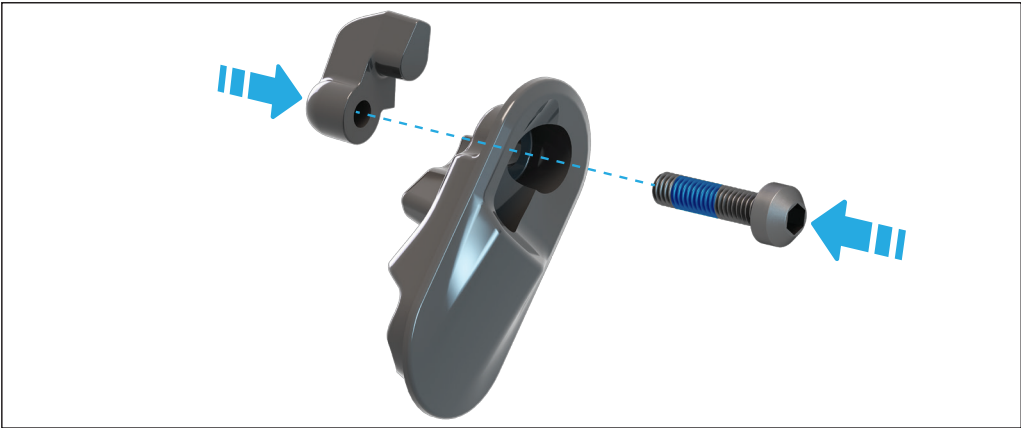
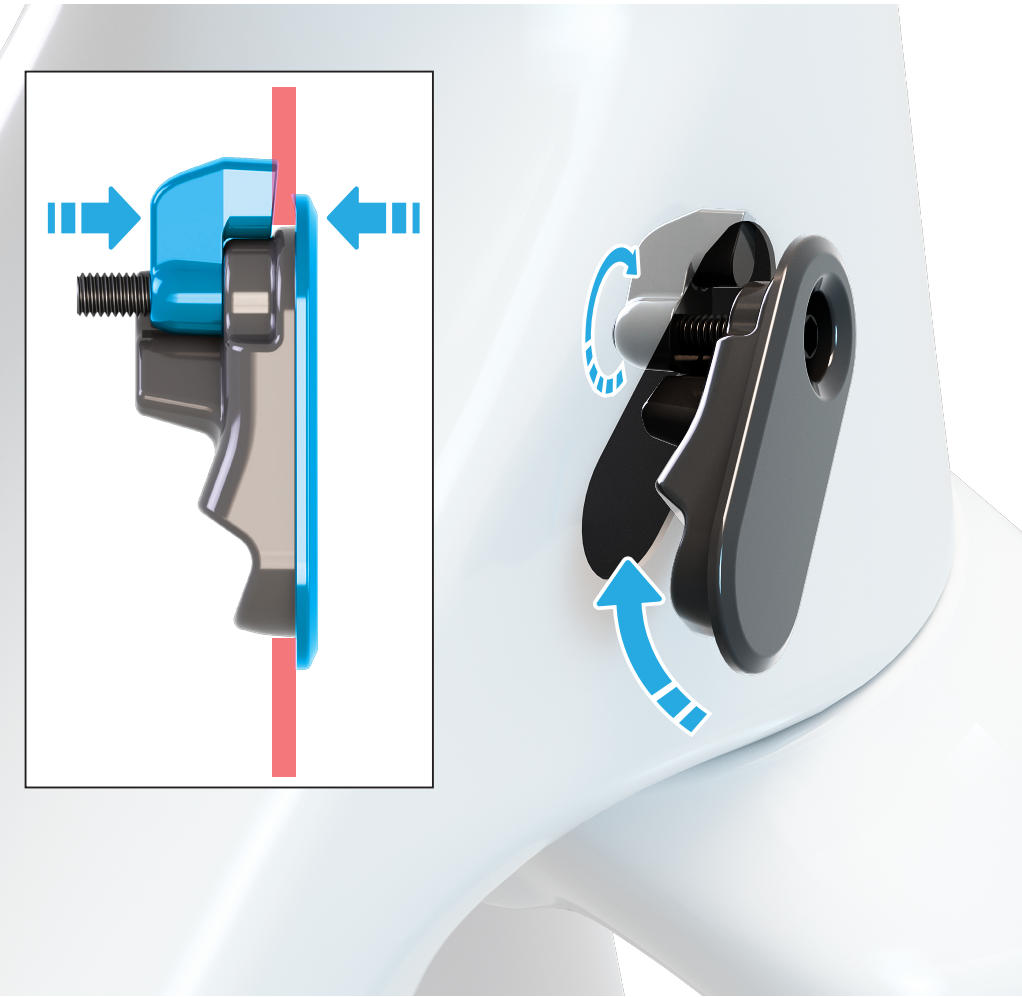
1	Future Stem S-Works	20020-1707	1	31.8 mm x 130 mm 6D					Expert Models
		20020-1706	1	31.8 mm x 120 mm 6D					Expert Models
		20020-1705	1	31.8 mm x 110 mm 6D					Expert Models
		20020-1704	1	31.8 mm x 100 mm 6D					Expert Models
		20020-1703	1	31.8 mm x 90 mm 6D					Expert Models
		20020-1702	1	31.8 mm x 80 mm 6D					Expert Models
		20020-1701	1	31.8 mm x 70 mm 6D					Expert Models
		20020-1700	1	31.8 mm x 60 mm 6D					Expert Models
1A	Future Stem Faceplate Bolts		4	M5 x 0.8 mm P x 15 mm	4 mm hex	5	44		
1B	Future Stem Faceplate Washers		4	8 mm OD x 4.7 mm ID x 1 mm					
1C	Future Stem Steerer Bolts		2	M5 x 0.8 mm P x 15 mm	4 mm hex	5	44		
1D	Future Stem Steerer Washers		2	8 mm OD x 4.7 mm ID x 1 mm					
2	Roval Alpinist Stem	20023-0024	1	31.8 mm x 100 mm 6D					Pro Models
		20023-0025	1	31.8 mm x 110 mm 6D					Pro Models
		20023-0023	1	31.8 mm x 90 mm 6D					Pro Models
		20023-0022	1	31.8 mm x 80 mm 6D					Pro Models
		20023-0021	1	31.8 mm x 70 mm 6D					Pro Models
		20023-0020	1	31.8 mm x 60 mm 6D					Pro Models
2A	Roval Alpinist Stem Faceplate Bolts		4	M5 x 0.8 mm P x 18 mm	4 mm hex	5	44		
2B	Roval Alpinist Stem Faceplate Washers		4	8 mm OD x 5.2 mm ID x 0.8 mm					
2C	Roval Alpinist Stem Steerer Bolts		2	M5 x 0.8 mm P x 18 mm	4 mm hex	5	44		
2D	Roval Alpinist Stem Steerer Washers		2	8 mm OD x 5.2 mm ID x 0.8 mm					
3	Future Shock 3.0 Stem Shim	S234800001	1	24.5 mm ID / 28.6 mm OD (1-1/8" Stem)					
4	Future Shock 3.1	S223100006	1						Sport Models
4	Future Shock 3.2	S223100003	1						Comp, Expert Models
5	Future Shock 3.1 / 3.2 Top Cap and Bolt	S223100007	1	M3 x 0.5 mm P x 8 mm (countersunk bolt)	4 mm hex	5	44		Sport, Comp, Expert Models
6	Future Shock 3.3	S223100002	1						Pro Models
7	Future Shock 3.3 Adjuster Knob & Bolt	S223100005	1	M4 x 0.7 mm P x 4 mm (custom extended tip)	4 mm hex	5	44		Pro Models

8. HEADSET COLLAR



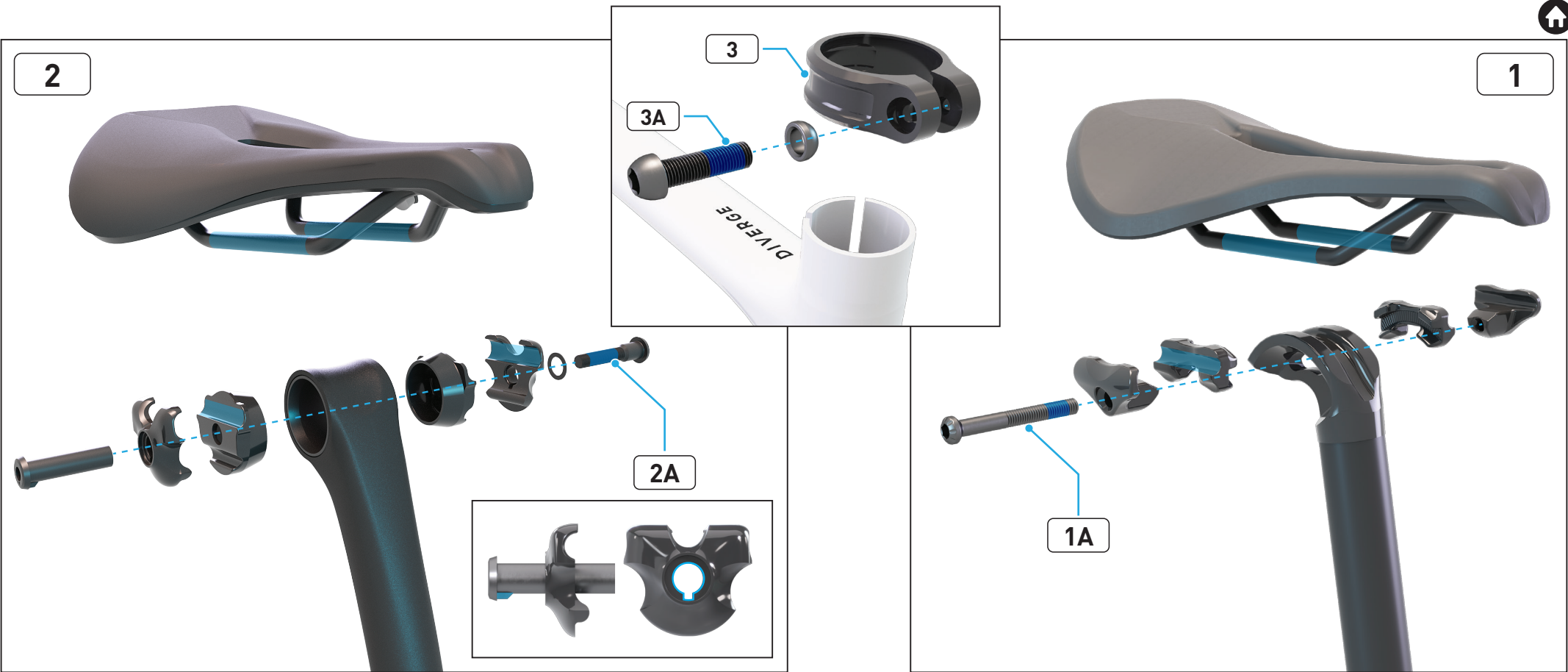
#	PART NAME	PART #	PART #	QTY	SPEC	TOOL	TORQUE		THREAD PREPARATION	COMMENT
							Nm	in-lbf		
1	A: Future Shock Collar		S222500005	1						
	B: Collar Barrel Nut (Not Shown)			1						
	C: Collar Pinch Bolt			1	M5 x 0.8 mm P x 18 mm	4 mm hex	4	35		
	D: Collar Preload Screw			2	M5 x 0.8 mm P x 4.45 mm	2 mm hex				
	E: Collar Locking Screw			2	M5 x 0.8 mm P x 6 mm	2.5 mm hex	1	9		
	F: Collar Locator Bolt			1	M3 x 0.5 mm P x 4.5 mm	2.5 mm hex	1	9		
2	Future Shock Collar Hex Bit (Not Shown)	S175300015		1	Long 4 mm (1/4") Hex Bit For Future Shock Collar Bolt					Tool
3	Future Shock Collar Flat Wrench	S195300002		1	3 mm Preload Screw Adjustment Wrench					Tool

9. HEAD TUBE ICR PORTS



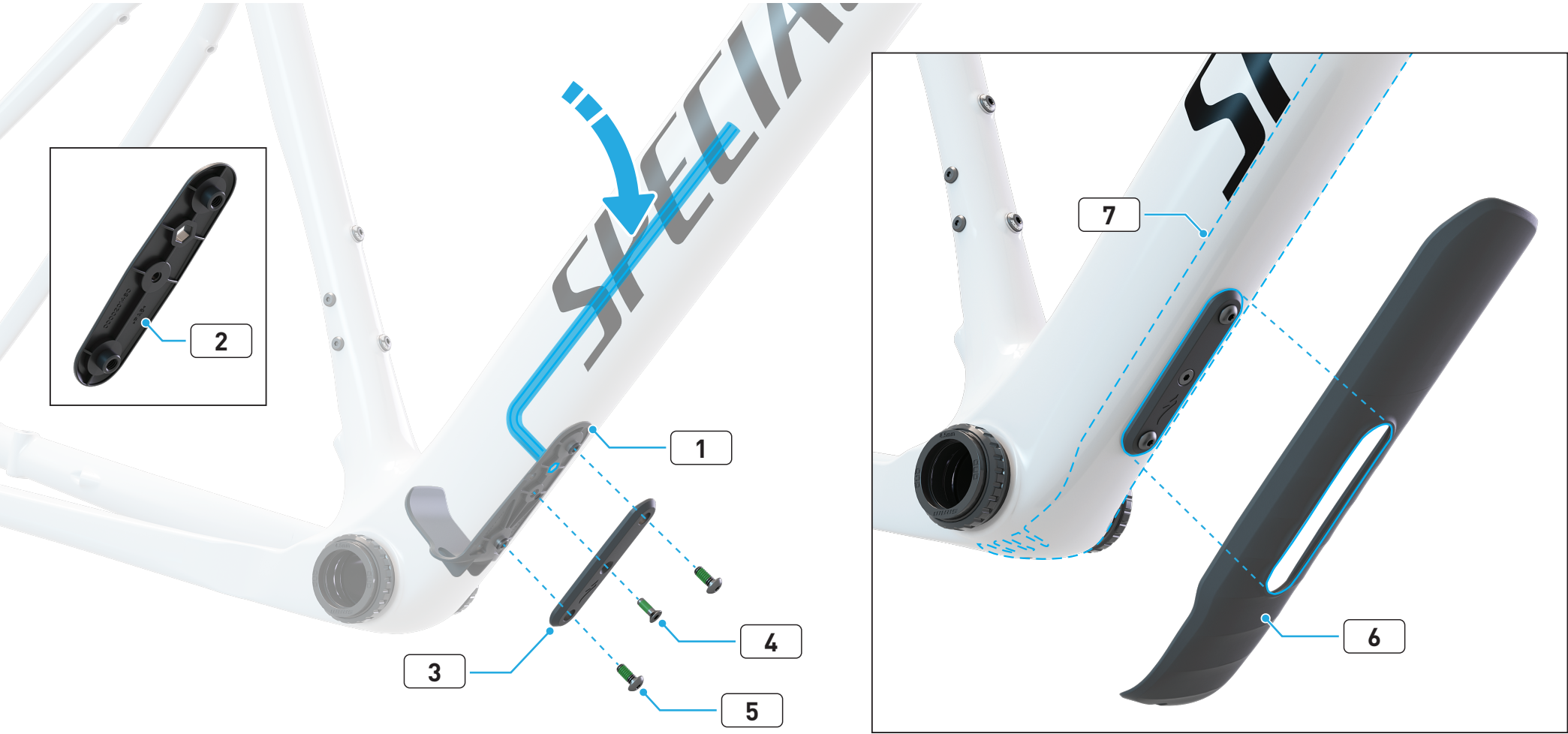
#	PART NAME	PART #	PART #	QTY	SPEC	TOOL	TORQUE		THREAD PREPARATION	COMMENT
							Nm	in-lbf		
1	ICR Port 0 Hole (Cover)			1	M3 x 0.5 mm P x 12 mm	2 mm hex	0.8	7		
2	ICR Port 1 Hole		S209900020	1	M3 x 0.5 mm P x 12 mm	2 mm hex	0.8	7		
3	ICR Port 2 Hole			1	M3 x 0.5 mm P x 12 mm	2 mm hex	0.8	7		

10. SEATPOSTS AND SEATPOST COLLAR

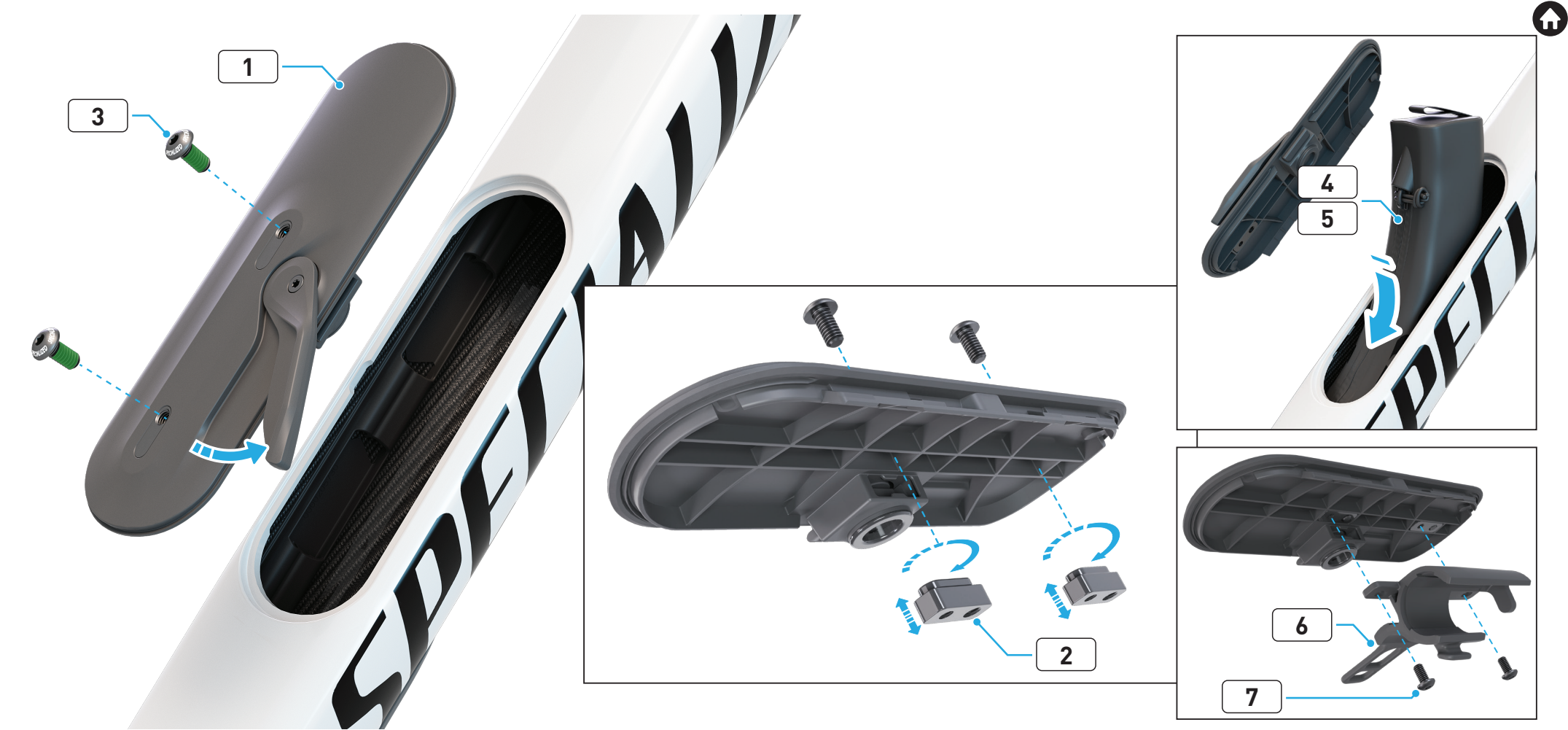


#	PART NAME	PART #	QTY	SPEC	TOOL	TORQUE		THREAD PREPARATION	COMMENT
						Nm	in-lbf		
1	OE Spec 27.2 Seatpost	2812-3048	1	27.2 mm x 300 mm					Sport Models
		2810-3050	1	27.2 mm x 350 mm					Sport Models
		2812-3049	1	27.2 mm x 400 mm					Sport Models
1A	Saddle Rail Bolt		1	M6 x 1.0 mm P x 51 mm	5 mm hex	12.5	110		
2	Roval Terra Seatpost	28121-3800	1	27.2 mm x 330 mm (0 mm Offset)					All Models Except Sport
		28121-3805	1	27.2 mm x 330 mm (20 mm Offset)					All Models Except Sport
		28121-3810	1	27.2 mm x 380 mm (0 mm Offset)					All Models Except Sport
		28121-3815	1	27.2 mm x 380 mm (20 mm Offset)					All Models Except Sport
2A	Saddle Rail Bolt		1	M6 x 1.0 mm P x 37 mm	5 mm hex	13.5	120		
3	Seatpost Clamp	S194700002	1	30.8 mm Diameter					
3A	Seatpost Clamp Bolt		1	M5 x 0.8 mm P x 18 mm	4 mm hex	6.2	55		

11. DOWNTUBE MOUNT AND PROTECTOR

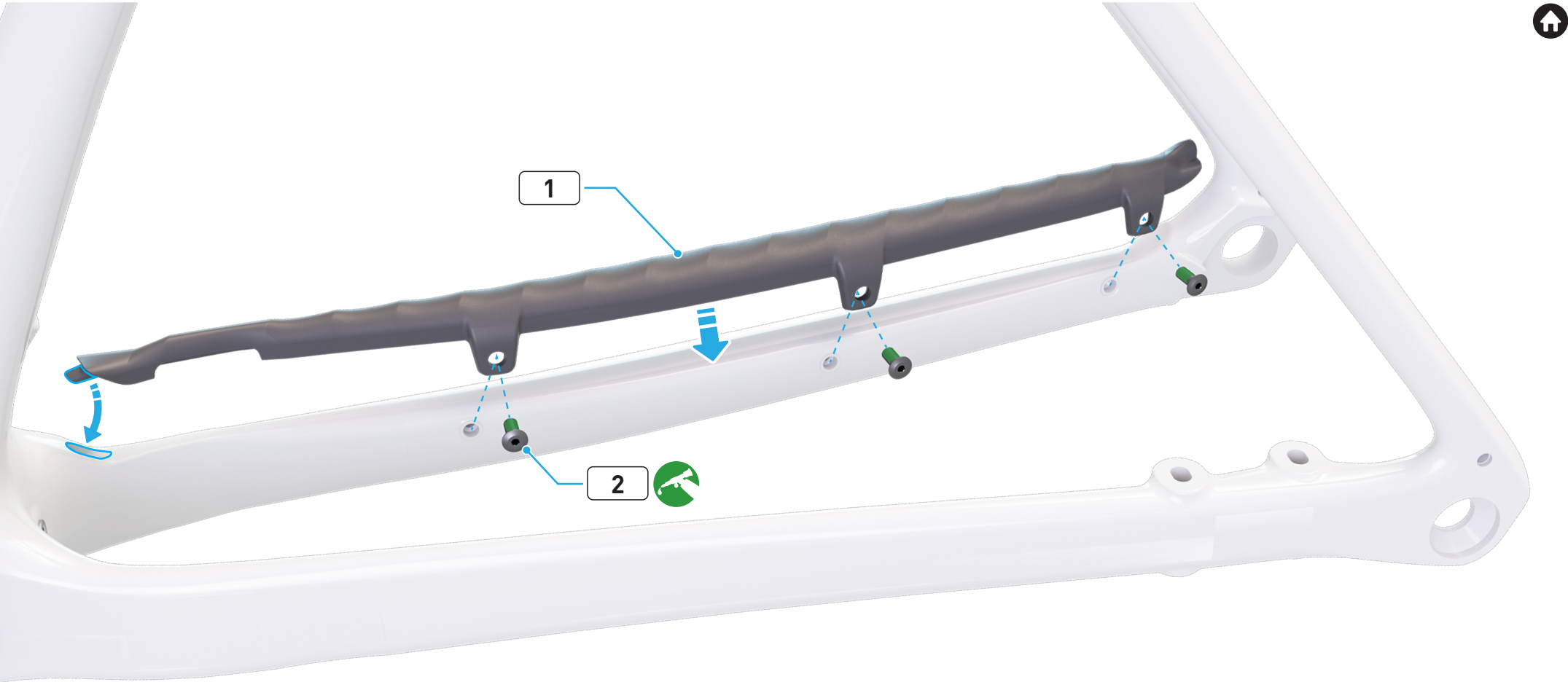


#	PART NAME	PART #	QTY	SPEC	TOOL	TORQUE		THREAD PREPARATION	COMMENT
						Nm	in-lbf		
1	Down Tube Mount Bulkhead	S209900017	1						Down tube mounted Di2 battery compatible
2	Down Tube Mount Inner Bracket	S259900002	1	Not OE spec (available as a replacement part)					Not compatible with a down tube mounted Di2 battery
3	Down Tube Mount Outer Bracket	S209900016	1						
4	Down Tube Mount Bolt	S179900036	1	M4 x 0.7 mm P x 12 mm	2.5 mm hex	0.8	7		
5	Down Tube Mount Accessory Bolts	S230500005	2	M5 x 0.8 mm P x 11.5 mm	3 mm hex	2.8	25		Bottle cage std, accessories
6	Down Tube Protector	S209900018	1						Adhesive backing
7	Down Tube Mylar Protector		1						Pre-applied at factory



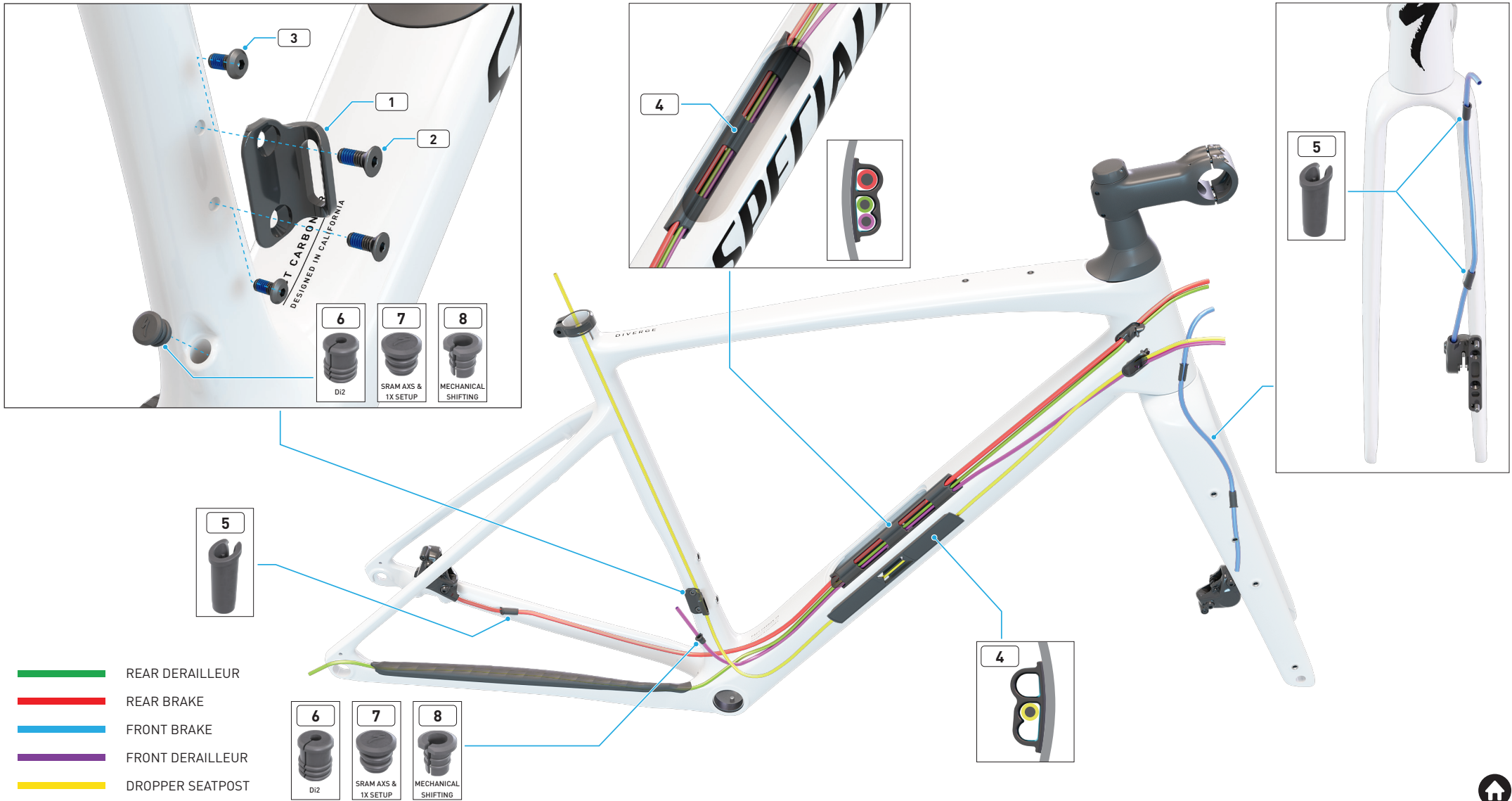
#	PART NAME	PART #	PART #	QTY	SPEC	TOOL	TORQUE		THREAD PREPARATION	COMMENT
							Nm	in-lbf		
1	SWAT 4.0 Door			1						
2	SWAT 4.0 Threaded Inserts		S239900003	2						SWAT 4.0 threaded inserts should be placed in the high position on size 49 and 52 bicycles when two water bottles are installed.
3	SWAT 4.0 Bottle Cage Bolts	S230500005		2	M5 x 0.8 mm P x 10 mm	3 mm hex	2.8	25		
4	SWAT Pod	S229900016		1	Large 270 mm					
5	SWAT Pod	S229900017		1	Small 200 mm					
6	SWAT 4.0 Race Kit		S249900004	1	Not OE spec (available as a replacement part)					Not compatible with SWAT Pod
7	SWAT 4.0 Race Kit Bolts			2	M4 x 0.7 mm P x 8 mm	2.5 mm hex	2.5	22		

13. CHAINSTAY PROTECTOR



#	PART NAME	PART #	PART #	QTY	SPEC	TOOL	TORQUE		THREAD PREPARATION	COMMENT
							Nm	in-lbf		
1	Chainstay Protector		S206900002	1						
2	Chainstay Protector Bolt	S179900036		3	M4 x 0.7 mm P x 9 mm	2 mm hex	0.8	7		

14. CABLE ROUTING SCHEMATIC



#	PART NAME	PART #	PART #	QTY	SPEC	TOOL	TORQUE		THREAD PREPARATION	COMMENT
							Nm	in-lbf		
1	Front Derailleur Hanger (2x Setup)		S201900001	1						
2	Front Derailleur Hanger Bolts (2x Setup)			2	M4 x 0.7 mm P x 10 mm	2.5 mm hex	2.9	26		
3	Front Derailleur Blocking Bolts (1x Setup)	S179900036		2	M4 x 0.7 mm P x 10 mm	2.5 mm hex	2.9	26		



4	Self Adhesive ICR Channel	S256500002		1	Self Adhesive backing					For non-OE spec setup order a second ICR channel for drive side down tube, if required.
5	ICR Grommet (Hose and Housing)	S179900013		3	5 mm Split Grommet, Angled Top, 7.5 mm					
6	ICR Grommet (Di2)	S159900006		1	7 mm OD x 2.7 mm ID Split Grommet					
7	ICR Plug (SRAM AXS and 1x Setup)	S179900015		1	Rubber Plug, Flat Top, 7 mm					
8	ICR Grommet (Mechanical Shifting)	S169900008		1	7 mm OD x 4 mm ID Split Grommet					

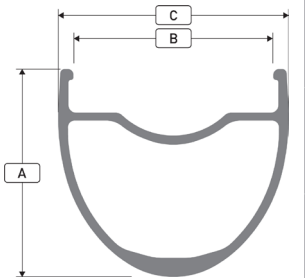
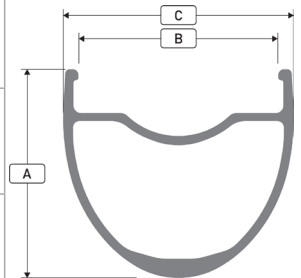
15. CABLE ROUTING SCHEMATIC - SHIMANO DI2



#	PART NAME	PART #	PART #	QTY	SPEC	TOOL	TORQUE		THREAD PREPARATION	COMMENT
							Nm	in-lbf		
1	Self Adhesive ICR Channel	S256500002		1	Self Adhesive backing					
2	Di2 Battery Sleeve	S209900014		1	Di2 Battery Mounting kit					Seatpost mounted Di2 battery (not dropper seatpost compatible)
3	ICR Grommet (Di2)	S159900006		1	7 mm OD x 2.7 mm ID Split Grommet					
4	Down Tube Mount Bulkhead	S209900017		1						Down tube mounted Di2 battery (dropper seatpost compatible)

16. WHEELS AND HUBS

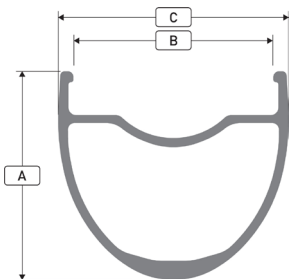
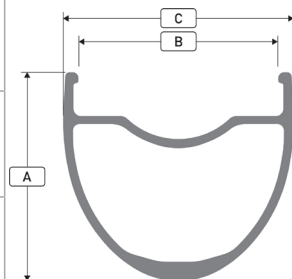
16.1. WH-DT G540 DISC DT MS

SPECIFICATION			FRONT		REAR	
Model Number			DT G540 Disc Micro Spline			
Colorway			Anodized Satin Black Smoke			
Wheel Size			700C			
E.T.R.T.O. / Bead Seat Diameter			622 mm			
ERD (Effective Rim Diameter)			592 mm			
Weight						
Rim construction			Clincher Hooked			
Rim Weight (g)			565g +- 5%			
Rim Material			Aluminum Alloy			
Brake Compatibility			Disc (Centerlock)			
Tubeless Compatibility			Yes			
Rim			DT Swiss G540, 700c			
Rim Holes			24 H			
Rim Dimensions	A: Depth	25 mm			25 mm	
	B: Internal Width	24 mm			24 mm	
	C: External Width	28 mm			28 mm	
Valve Type			Presta			
Valve Length			40 mm			
Hub Type						
Hub Bearing Type			Sealed Cartridge Bearing		Sealed Cartridge Bearing	
Hub Spacing			100 mm		142 mm	
Brake Type			Disc (Centerlock)		Disc (Centerlock)	
Bearing Dimensions	DS					
	NDS					
Casette Interface					Shimano Micro Spline	
Freehub Body					Shimano Micro Spline	
Freehub System					3-Pawl	

SPECIFICATION		FRONT		REAR	
Spoke Type		J Bend			
Spoke Model		DT Swiss Champion			
Lacing Pattern		2-Cross			
Spoke Count		24 - 12:12		24 - 12:12	
Spoke length	DS	285 mm		282 mm	
	NDS	284 mm		284 mm	
Nipples		DT Swiss, Brass, 2.0 x 12 mm			
Nipple Size		2.0 x 12 mm (14g)			
Approved Tire Widths		min/max tire width is dictated by frame, fork and fenders. See section Compatibility Specifications for details			
Max Rim Pressure *	Tire Size 43 mm	Tubeless 3.7 bar / 54 psi Tubed 5 bar / 73 psi			
	Tire Size 47 mm	Tubeless 3.5 bar / 51 psi Tubed 4.7 bar / 68 psi			
	Tire Size 50 mm	Tubeless 3.3 bar / 48 psi Tubed 4.4 bar / 64 psi			
Max Weight Limit		275 lbs / 125 kg			
Rim Tape Width		DT, tubeless compatible, 27mm wide			

*Always adhere to the max tire pressure of the used tire.

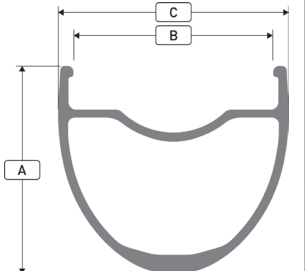
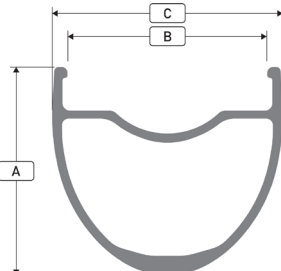
16.2. WH-DT G540 DISC

SPECIFICATION		FRONT		REAR	
Model Number		DT G540 Disc Shimano 11-Spd. Road			
Colorway		Anodized Satin Black Smoke			
Wheel Size		700C			
E.T.R.T.O. / Bead Seat Diameter		622 mm			
ERD (Effective Rim Diameter)		592 mm			
Weight					
Rim construction		Clincher Hooked			
Rim Weight (g)		565g +- 5%			
Rim Material		Aluminium Alloy			
Brake Compatibility		Disc (Centerlock)			
Tubeless Compatibility		Yes			
Rim		DT Swiss G540 Disc, 700C			
Rim Holes		24 H			
Rim Dimensions	A: Depth	25 mm		25 mm	
	B: Internal Width	24 mm		24 mm	
	C: External Width	28 mm		28 mm	
Valve Type		Presta			
Valve Length		40 mm			
Hub Type					
Hub Bearing Type				SB-6903 (17 mm x 30 mm x 7 mm)	
Hub Spacing		100 mm		142 mm	
Brake Type		Disc (Centerlock)		Disc (Centerlock)	
Bearing Dimensions	DS				
	NDS				
Casette Interface				Shimano HG	
Freehub Body				Shimano 11-Spd. Road	
Freehub System				3-Pawl	
Spoke Type		J Bend			

SPECIFICATION		FRONT	REAR
Spoke Model		DT Swiss Champion	
Lacing Pattern		2-Cross	
Spoke Count		24 - 12:12	24 - 12:12
Spoke length	DS	286 mm	282 mm
	NDS	284 mm	283 mm
Nipples		DT Swiss, Brass, 2.0 x 12 mm	
Nipple Size		2.0 x 12 mm (14g)	
Approved Tire Widths		min/max tire width is dictated by frame, fork and fenders. See section Compatibility Specifications for details	
Max Rim Pressure *	Tire Size 43 mm	Tubeless 3.7 bar / 54 psi Tubed 5 bar / 73 psi	
	Tire Size 47 mm	Tubeless 3.5 bar / 51 psi Tubed 4.7 bar / 68 psi	
	Tire Size 50 mm	Tubeless 3.3 bar / 48 psi Tubed 4.4 bar / 64 psi	
Max Weight Limit		275 lbs / 125 kg	
Rim Tape Width		DT, tubeless compatible, 27mm wide	

*Always adhere to the max tire pressure of the used tire.

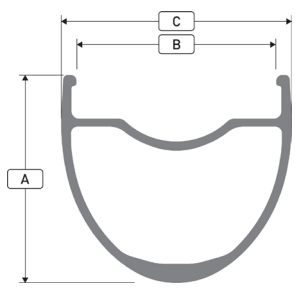
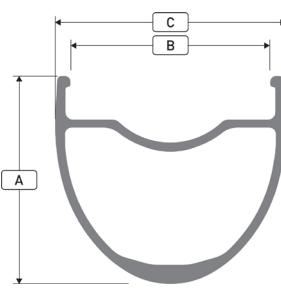
16.3. WH-TERRA C

SPECIFICATION		FRONT		REAR	
Model Number		WH-TERRA C			
Colorway		Satin Carbon / Black			
Wheel Size		700C			
E.T.R.T.O. / Bead Seat Diameter		622 mm			
ERD (Effective Rim Diameter)		575 mm			
Weight					
Rim construction		Clincher Hooked			
Rim Weight (g)					
Rim Material		Carbon			
Brake Compatibility		Disc (Centerlock)			
Tubeless Compatibility		Yes			
Rim		Roval Terra C			
Rim Holes		24 H			
Rim Dimensions	A: Depth	32 mm		32 mm	
	B: Internal Width	25 mm		25 mm	
	C: External Width	29 mm		29 mm	
Valve Type		Presta			
Valve Length		50 mm			
Hub Type		DT Swiss 370		DT Swiss 370	
Hub Bearing Type		DT Swiss 6902 ESB/ESNB L		DT Swiss 6902 ESB/ESNB L	
Hub Spacing		100 mm x 12 mm		142 mm x 12 mm	
Brake Type		Disc (Centerlock)		Disc (Centerlock)	
Bearing Dimensions	DS	15 mm ID x 28 mm OD x 7 mm THICK			
	NDS	15 mm ID x 28 mm OD x 7 mm THICK			
Casette Interface				Shimano HG	
Freehub Body				Shimano 11-Spd. Road	
Freehub System				DT Swiss Ratchet LN (18T)	
Spoke Type		J Bend			

SPECIFICATION		FRONT		REAR	
Spoke Model		DT Competition Race			
Lacing Pattern	DS	Radial		2-Cross	
	NDS	2-Cross		2-Cross	
Spoke Count		24 - 12:12		24 - 12:12	
Spoke length	DS	268 mm		277 mm	
	NDS	279 mm		279 mm	
Nipples		DT Pro Lock Hex, Alloy, 2.0 x 14 mm			
Nipple Size		2.0 x 14 mm (14g)			
Approved Tire Widths		min/max tire width is dictated by frame, fork and fenders. See section Compatibility Specifications for details			
Max Rim Pressure *	Tire Size 28 - 32 mm	Tubeless 5.5 bar / 80 psi Tubed 6.2 bar / 90 psi			
	Tire Size 33 - 36 mm	Tubeless 4.5 bar / 65 psi Tubed 5.9 bar / 85 psi			
	Tire Size 37 - 47 mm	Tubeless 4.1 bar / 60 psi Tubed 5.2 bar / 75 psi			
Max Weight Limit		275 lbs / 125 kg			
Rim Tape Width		Roval Tubeless Tape, 27mm wide			

*Always adhere to the max tire pressure of the used tire.

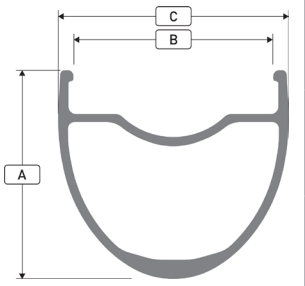
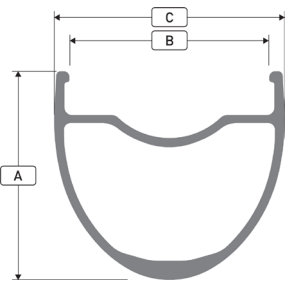
16.4. WH-TERRA C XDR

SPECIFICATION			FRONT		REAR	
Model Number			WH-TERRA C XDR			
Colorway			Satin Carbon / Black			
Wheel Size			700C			
E.T.R.T.O. / Bead Seat Diameter			622 mm			
ERD (Effective Rim Diameter)			575 mm			
Weight						
Rim construction			Clincher Hooked			
Rim Weight [g]						
Rim Material			Carbon			
Brake Compatibility			Disc (Centerlock)			
Tubeless Compatibility			Yes			
Rim			Roval Terra C			
Rim Holes			24 H			
Rim Dimensions	A: Depth	32 mm			32 mm	
	B: Internal Width	25 mm			25 mm	
	C: External Width	29 mm			29 mm	
Valve Type			Presta			
Valve Length			50 mm			
Hub Type			DT Swiss 370		DT Swiss 370	
Hub Bearing Type			DT Swiss 6902 ESB/ESNB L		DT Swiss 6902 ESB/ESNB L	
Hub Spacing			100 mm x 12 mm		142 mm x 12 mm	
Brake Type			Disc (Centerlock)		Disc (Centerlock)	
Bearing Dimensions	DS	15 mm ID x 28 mm OD x 7 mm THICK				
	NDS	15 mm ID x 28 mm OD x 7 mm THICK				
Casette Interface					Sram XD-R	
Freehub Body					Sram XD-R	
Freehub System					DT Swiss Ratchet LN (18T)	
Spoke Type			J Bend			

	SPECIFICATION		FRONT		REAR	
	Spoke Model		DT Competition Race			
	Lacing Pattern	DS	Radial		2-Cross	
		NDS	2-Cross		2-Cross	
	Spoke Count		24 - 12:12		24 - 12:12	
	Spoke length	DS	268 mm		277 mm	
		NDS	279 mm		279 mm	
	Nipples		DT Pro Lock Hex, Alloy, 2.0 x 14 mm			
	Nipple Size		2.0 x 14 mm (14g)			
	Approved Tire Widths		min/max tire width is dictated by frame, fork and fenders. See section Compatibility Specifications for details			
	Max Rim Pressure *	Tire Size 28 - 32 mm	Tubeless 5.5 bar / 80 psi Tubed 6.2 bar / 90 psi			
		Tire Size 33 - 36 mm	Tubeless 4.5 bar / 65 psi Tubed 5.9 bar / 85 psi			
		Tire Size 37 - 47 mm	Tubeless 4.1 bar / 60 psi Tubed 5.2 bar / 75 psi			
	Max Weight Limit		275 lbs / 125 kg			
	Rim Tape Width		Roval Tubeless Tape, 27mm wide			

*Always adhere to the max tire pressure of the used tire.

16.5. WH-TERRA CL XDR

SPECIFICATION			FRONT		REAR	
Model Number			Roval Terra CL XD-R			
Colorway			Satin Carbon / Black			
Wheel Size			700C			
E.T.R.T.O. / Bead Seat Diameter			622 mm			
ERD (Effective Rim Diameter)			577 mm			
Weight			654g (includes 15g for tubeless tape & valve)		754g (includes 15g for tubeless tape & valve)	
Rim construction			Clincher Hooked			
Rim Weight (g)						
Rim Material			Carbon			
Brake Compatibility			Disc (Centerlock)			
Tubeless Compatibility			Yes			
Rim			Roval Terra CL			
Rim Holes			24 H			
Rim Dimensions	A: Depth	32 mm			32 mm	
	B: Internal Width	25 mm			25 mm	
	C: External Width	30 mm			30 mm	
Valve Type			Presta			
Valve Length			50 mm			
Hub Type			DT Swiss 350		DT Swiss 350	
Hub Bearing Type						
Hub Spacing			100 mm x 12 mm		142 mm x 12 mm	
Brake Type			Disc (Centerlock)		Disc (Centerlock)	
Bearing Dimensions	DS	15 mm ID x 28 mm OD x 7 mm THICK				
	NDS	15 mm ID x 28 mm OD x 7 mm THICK				
Casette Interface					Sram XD-R	
Freehub Body					Sram XD-R	
Freehub System					DT Swiss Star Ratchet (36T)	
Spoke Type			Straight-Pull			

SPECIFICATION		FRONT	REAR
Spoke Model		DT Competition Race	
Lacing Pattern		2-Cross	
Spoke Count		24 - 12:12	24 - 12:12
Spoke length	DS	287 mm	284 mm
	NDS	286 mm	287 mm
Nipples		DT Pro lock Hex, Alloy, 2.0 x 14 mm	
Nipple Size		2.0 x 14 mm (14g)	
Approved Tire Widths		Min/Max tire width is dictated by frame, fork and fenders. See section Compatibility Specifications for details	
Max Rim Pressure *	Tire Size 28 - 32 mm	Tubeless 5.5 bar / 80 psi Tubed 6.2 bar / 90 psi	
	Tire Size 33 - 36 mm	Tubeless 4.5 bar / 65 psi Tubed 5.9 bar / 85 psi	
	Tire Size 37 - 47 mm	Tubeless 4.1 bar / 60 psi Tubed 5.2 bar / 75 psi	
Max Weight Limit		275 lbs / 125 kg	
Rim Tape Width		Roval Tubeless Tape, 27mm wide	

*Always adhere to the max tire pressure of the used tire.

17. SERVICE PARTS LIST

#	PART NAME	PART #	PART #	QTY	SPEC	TOOL	TORQUE		COMMENT
							Nm	in-lbf	
	Fork MY26 Future Shock (M1.1)	S252300001		1	700C, TA, CARBON, 12X100MM , DISC , 55MM OFFSET, 105MM ST - SATIN BLACK				Comp, Expert, and Pro Models
	Fork MY26 Future Shock (M1.1)	S252300002		1	700C, TA, CARBON, 12X100MM , DISC , 55MM OFFSET, 119MM ST - SATIN BLACK				Comp, Expert, and Pro Models
	Fork MY26 Future Shock (M1.1)	S252300003		1	700C, TA, CARBON, 12X100MM , DISC , 55MM OFFSET, 131MM ST - SATIN BLACK				Comp, Expert, and Pro Models
	Fork MY26 Future Shock (M1.1)	S252300004		1	700C, TA, CARBON, 12X100MM , DISC , 55MM OFFSET, 150MM ST - SATIN BLACK				Comp, Expert, and Pro Models
	Fork MY26 Future Shock (M1.1)	S252300005		1	700C, TA, CARBON, 12X100MM , DISC , 55MM OFFSET, 176MM ST - SATIN BLACK				Comp, Expert, and Pro Models
	Fork MY26 Future Shock (M1.1)	S252300006		1	700C, TA, CARBON, 12X100MM , DISC , 55MM OFFSET, 202MM ST - SATIN BLACK				Comp, Expert, and Pro Models
	Roval Terra Road Handlebar	21022-0538		1	31.8 mm x 380 mm (Black / Charcoal)				
	Roval Terra Road Handlebar	21022-0540		1	31.8 mm x 400 mm (Black / Charcoal)				
	Roval Terra Road Handlebar	21022-0542		1	31.8 mm x 420 mm (Black / Charcoal)				
	Roval Terra Road Handlebar	21022-0544		1	31.8 mm x 440 mm (Black / Charcoal)				
	Future Shock 3.0 Roller Bearing Service Kit	S223100004		1					
	Future Shock 3.2 Cartridge Replacement Thru Damper Assembly	S223100008		1					
	Future Shock 3.3 Cartridge Replacement Thru Damper Assembly	S223100009		1					Pro Models
	Future Shock 3.0 Shaft Clamp Set	S235300003		1	30 mm Shaft Clamp				Tool
	Future Shock 3.0 Roller Cage Bottom Out Timing Tool	S235300004		1					Tool
	Future Shock 3.0 Seal Cap Splined Socket	S235300005		1					Tool
	Future Shock Collar Hex Bit	S175300015		1	LONG 4MM BIT FOR FUTURE SHOCK COLLAR BOLT (1/4" HEX BIT)				Tool
	SWAT Tire Lever	S145300005		1	MY14 TIRE LEVER FOR SWAT BOX				Tool

SPECIALIZED

SPECIALIZED BICYCLE COMPONENTS

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