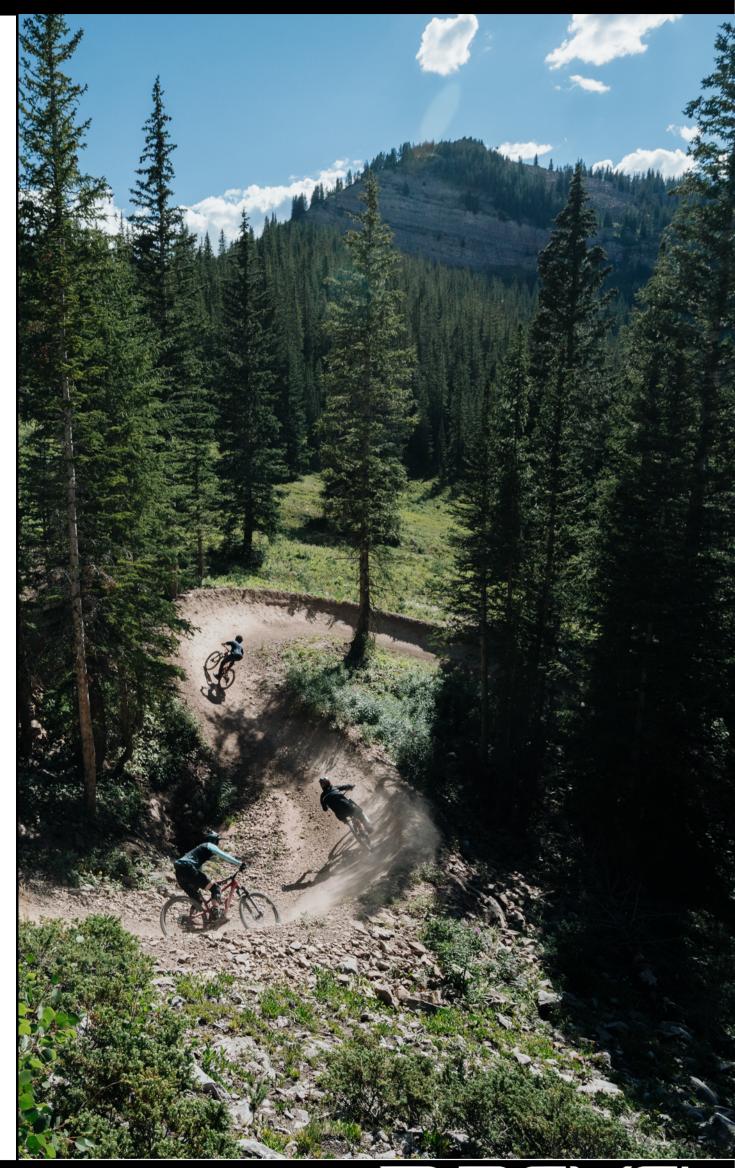
7 REVEL



RAIL 29
TECH MANUAL

TABLE OF CONTENTS

Preface	Page 2
2. Geo & User Specification	Page 3
3. Exploded View	Page 4
4. Linkage Service	Page 5 - 10
4a. Pivot 1	Page 6
4b. Pivot 2	Page 7
4c. Pivot 4	Page 8 - 9
4d. Pivot 3	Page 10
4e. Pivot 5	Page 11
5. Shock Install	Page 12
6. Hanger Install	Page 13
7. Internal Routing	Page 14



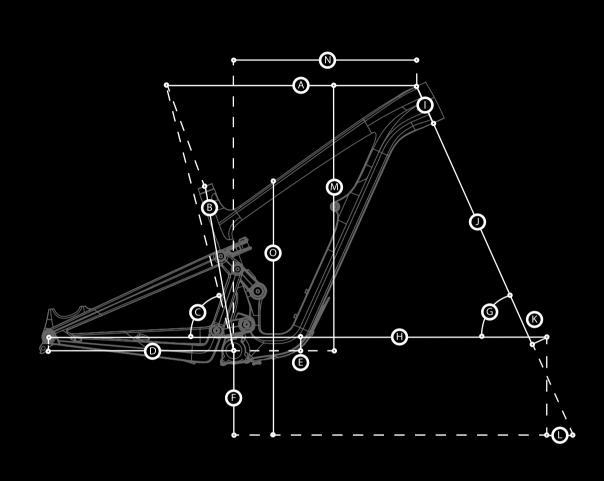
PREFACE

This manual is to serve as guidance for service and specification of Revel Rail 29 (model year 2022+). This document includes component compatibility and instructions on linkage service and frame features. If there are any questions about specific component compatibility please reach out to Revel's customer support line at (970)-456-7336 or email at Contact@revelbikes.com.

Revel may update this document. Be sure to verify this is the latest version released before use. Revisions can be seen on title page in bottom left corner. Go to https://revelbikes.com or contact us to make sure you have the latest version.



GEO & USER SPECIFICATION



FRAME GEO	Small - 5'1 - 5'7"	Medium - 5'6" - 5'10"	Large - 5'9" - 6'2"	X-Large 6'1" - 6'7"
A EFFECTIVE TOP TUBE LENGTH	585mm	606mm	630mm	658mm
B SEAT TUBE LENGTH	393.5mm	415.5mm	453.5mm	482.5mm
SEAT TUBE ANGLE (EFFECTIVE/ACTUAL)	76°/69°	76°/69°	76°/70°	76°/70°
CHAIN STAY LENGTH	436mm	436mm	436mm	436mm
E BOTTOM BRACKET DROP	31mm	31mm	31mm	31mm
BOTTOM BRACKET HEIGHT	348mm	348mm	348mm	348mm
G HEAD TUBE ANGLE	65°	65°	65°	65°
(H) WHEEL BASE	1181mm	1202mm	1228mm	1257mm
HEAD TUBE LENGTH	95mm	98mm	108mm	118mm
AXLE TO CROWN	576mm	576mm	576mm	576mm
K FORK OFFSET	44mm	44mm	44mm	44mm
(L) TRAIL	123mm	123mm	123mm	123mm
M STACK	625mm	628mm	637mm	646mm
N REACH	427mm	447mm	469mm	494mm
STANDOVER	716mm	719mm	728mm	756mm

User Specification

- 1) Headset IS 42/52
- 2) Pivot Hardware Torque pivots to value specified on bolt head. See assembly drawing for additional assembly instructions, and hardware and bearing specification.
- 3) Threaded BB BSA, 73mm Shell Width.
- 4) Crankset 52mm minimum Chainline. 36T Max chainring size. See BB manufacturers' frame fit specification for appropriate spacer configuration.
- 5) Rear Dropout Boost Spacing (148mm X 12mm), 177 X M12 X P1.0 Axle, Sram Universal Derailleur Hanger (UDH), Sram Transmission compatible
- 6) Rear Disc Brake Post mount, 180mm/220mm max rotor size, torque bolts to manufacturer specification.

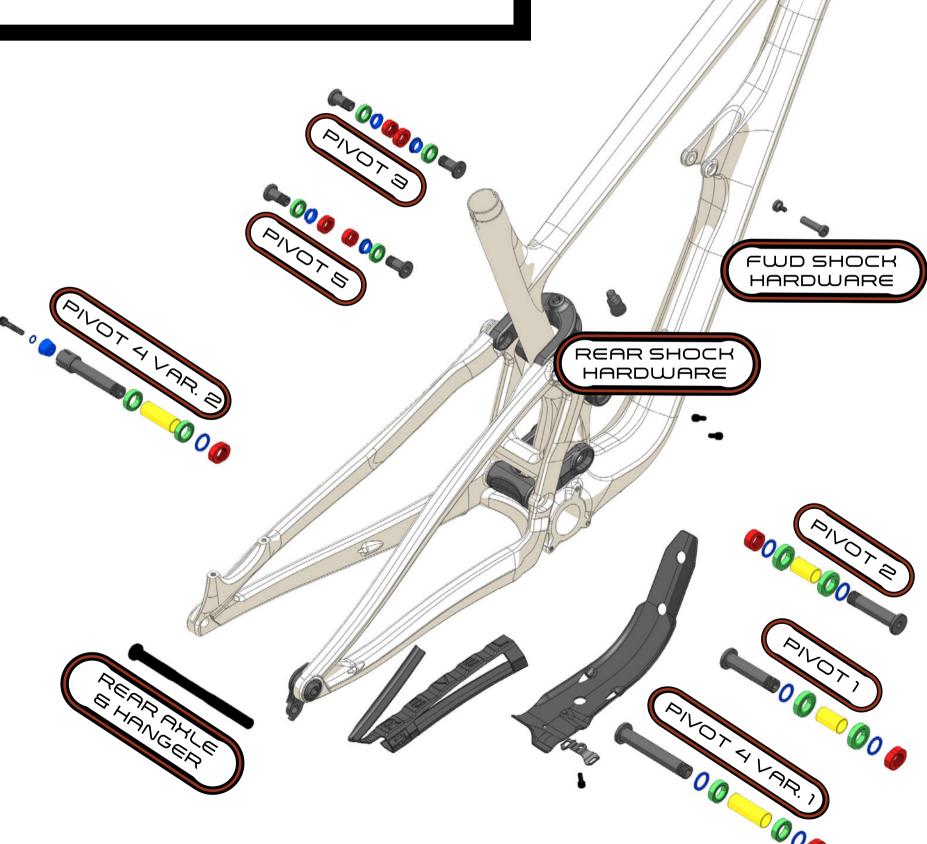
- 7) Shock 230mm X 60mm Shock size. No DU Bushing on rear of shock. 22.2mm X 8.0mm Spacer on front of shock.
- 8) Seat Post 31.6mm Dia post. 34.9mm Dia. Clamp size. Internal routing guides provided for dropper post.
- 9) Tire Limit Size 29" X 2.4" max tire size. All tires must be checked for appropriate clearance prior to use.
- 10) Bottle Cage Bosses 2 Sets of bosses. 1 set located along top of down tube. 1 set located along bottom of down tube.
- 11) Fork 160mm min travel/170mm max travel.



EXPLODED VIEW

NOTES

- 1) Table shows total quantity of parts used on frame assembly. For detailed view and part information on specific pivots, see subsequent pages.
- 2) Pivot 4 has two different variants of design.
 Please check your frame for which style you have and follow subsequent instructions



1 320-10021-0011-XX REVEL 29150 FRONT TRIANGLE LARGE 1 1 2 320-10021-0013-XX REVEL 29150 REAR TRIANGLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		PART NUMBER	QTY.	ASSEMBLY	TORQUE
3 320-10021-0016-XX REVEL 29150 UPPER LINK 1 320-10021-0016-XX REVEL 29150 UPPER LINK 1 1 5 320-10021-0016-XX REVEL 29150 UPPER LINK 1 1 6 310-BEA22-0501 BOLU BEARING 8902 V2R0 T8X28X7 4 0REASE 7 310-10021-0058 HARDWARE PIVOT SPACER 2D15-2X2 6 8 310-10021-0058 HARDWARE AXLE NUT HISX1.0X6 8 9 310-10021-0058 HARDWARE AXLE SPACER 1 1 0REASE 10 310-10021-0058 HARDWARE AXLE SPACER 2 0REASE TO SHAFT SUB LOCTITE 245 FOR PATCH LOCK ON THREADS 11 310-10021-0058 HARDWARE PIVOT AXLE MISX1.0X71 2 2 GREASE TO SHAFT SUB LOCTITE 245 FOR PATCH LOCK ON THREADS 12 310-10021-0058 HARDWARE PIVOT AXLE MISX1.0X71 13 310-10021-0058 HARDWARE PIVOT AXLE MISX1.0X72 14 310-10021-0058 HARDWARE PIVOT AXLE MISX1.0X28 15 310-10021-0058 HARDWARE PIVOT AXLE MISX1.0X28 4 0REASE TO SHAFT SUB LOCTITE 245 FOR PATCH LOCK ON THREADS 16 310-10021-0058 HARDWARE PIVOT AXLE MISX1.0X28 4 0REASE TO SHAFT SUB LOCTITE 245 FOR PATCH LOCK ON THREADS 17 310-10021-0058 HARDWARE PIVOT AXLE MISX1.0X28 4 0REASE TO SHAFT SUB LOCTITE 245 FOR PATCH LOCK ON THREADS 18 310-10021-0058 HARDWARE AXLE NUT MISX1.0X7.5 4 0REASE 19 310-10021-0058 HARDWARE SHOCK PIVOT AXLE 10 SRAM UDH HANGER 11 0REASE 11 0REASE 11 1 OREASE 12 310-10021-0058 HARDWARE SHOCK PIVOT AXLE 18 310-10021-0058 HARDWARE SHOCK PIVOT AXLE 19 310-10021-0058 HARDWARE SHOCK PIVOT AXLE 20 310-10021-0058 HARDWARE SHOCK PIVOT BOLT 21 370-10021-0058 HARDWARE SHOCK PIVOT BOLT 22 310-10021-0058 HARDWARE SHOCK PIVOT BOLT 23 310-10021-0058 HARDWARE SHOCK PIVOT BOLT 24 310-10021-0058 HARDWARE SHOCK PIVOT BOLT 25 320-10021-0058 HARDWARE SHOCK PIVOT BOLT 26 310-10021-0058 HARDWARE SHOCK PIVOT BOLT 27 310-10021-0058 HARDWARE SHOCK PIVOT BOLT 28 HARDWARE SOCKET HEAD CAP SCREW MEXI.0X30MM 29 310-10021-0058 HARDWARE PIVOT AXLE COLLET 20 310-10021-0058 HARDWARE PIVOT AXLE COLLET 21 1 COLTITE 243 20 310-10021-0058 HARDWARE WASHER 10XS.4XLO 21 310-10021-	1	320-10021-0011-XX REVEL 29150 FRONT TRIANGLE LARGE			
4 320-10021-0019-XX REVEL 29150 UPPER LINK 1 1	2	320-10021-0013-XX REVEL 29150 REAR TRIANGLE	1		
320-10021-0018-XX REVEL 29150 SHOCK LINK	3	320-10021-0014-XX REVEL 29150 LOWER LINK	1		
1 310-10021-0068 HARDWARE AXLE NUT HISXLOXE. 2 310-10021-0068 HARDWARE AXLE NUT HISXLOXE. 3 3 3 3 3 3 3 3 3					
7 310-10021-0068 HARDWARE PIVOT SPACER 2IXIS.2X2 8 8 3 9 310-10021-0068 HARDWARE AXLE NUT MISKI.0X8.8 3 1 310-10021-0068 HARDWARE AXLE SPACER 1 GREASE 1 GREASE 1 310-10021-0068 HARDWARE AXLE SPACER 2 6 6 5.20X17.20X29.86 2 GREASE TO SHAFT 3 310-10021-0068 HARDWARE PIVOT AXLE MISKI.0X71 2 GREASE TO SHAFT 3 310-10021-0068 HARDWARE PIVOT AXLE MISKI.0X97 1 1 1 1 1 1 1 1 1	5	320-10021-0016-XX REVEL 29150 SHOCK LINK	1		
8 310-10021-0080 HARDWARE AXLE NUT MISKLOXB.8 3 3 3 3 3 3 3 3 3	6	310-BEA22-0501 BOLU BEARING 6902 V2RD 15X28X7	4	GREASE	
9 310-10021-0081 HARDWARE AXLE SPACER 10 310-10021-0082 HARDWARE AXLE SPACER 15.20X17.20X47.25 10 310-10021-0083 HARDWARE AXLE SPACER 15.20X17.20X29.95 11 310-10021-0083 HARDWARE PIVOT AXLE MISXI.0X71 2 SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 12 310-10021-0085 HARDWARE PIVOT AXLE MISXI.0X97 1	7	310-10021-0058 HARDWARE PIVOT SPACER 21X15.2X2	6		
9 15.20X17.20X47.25	8	310-10021-0060 HARDWARE AXLE NUT M15X1.0X8.6	3		
10 15.20X17.20X29.85 2 GREASE TO SHAFT SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 1 310-10021-0065 HARDWARE PIVOT AXLE MI5XI.0X71 2 GREASE TO SHAFT SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 1 310-10021-0065 HARDWARE PIVOT AXLE MI5XI.0X97 1 GREASE TO SHAFT SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 4 GREASE TO SHAFT SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 4 GREASE TO SHAFT SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 1 GREASE TO SHAFT SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 1 GREASE TO SHAFT SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 1 GREASE TO SHAFT SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 1 GREASE TO SHAFT SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 1 GREASE TO SHAFT SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 1 GREASE TO SHAFT SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 1 GREASE TO SHAFT SUB LOCTITE 243 SID-10021-0057 HARDWARE SHOCK EYELET BOLT MIDXI.25 1 TI PREP 1 1 3 3 3 3 3 3 3 3	9		1	GREASE	
11 310-10021-0063 HARDWARE PIVOT AXLE MI5X1.0X71 2 SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 12 310-10021-0065 HARDWARE PIVOT AXLE MI5X1.0X67 1 1 13 310-BEA18-0106 BOLU BEARING 8801V2RD 12X21X5 4 GREASE 14 310-10021-0068 HARDWARE PIVOT AXLE M12X1.0X28 4 GREASE TO SHAFT SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 15 310-10021-0068 HARDWARE PIVOT AXLE M12X1.0X28 4 GREASE TO SHAFT SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 16 310-10021-0068 HARDWARE AXLE NUT M12X1.0X7.5 4 1 GREASE 1 1 17 310-10021-0068 HARDWARE AXLE NUT M12X1.0X7.5 4 1 GREASE 1 1 18 SRAM UDH HANGER 1 1 GREASE 1 1 19 H6X0.8X33.5 1 1 TI PREP 1 1 20 310-10021-0007 HARDWARE SHOCK PIVOT AXLE M15X1.25 1 TI PREP 1 1 21 320-10021-0017 REVEL 29150 FRONT TRIANGLE DOWNTUBE 1 3M VHB TAPE 1 1 22 310-10021-0068 HARDWARE BB CABLE CLAMP 1 2 GREASE 1 1 23 310-10021-0068 HARDWARE SHOCK PIVOT BOLT 1 1 M15X1.0X14 1 1	10		2		
13 310-BEA18-0108 BOLU BEARING 6801V2RD 12X21X5	11	310-10021-0063 HARDWARE PIVOT AXLE M15X1.0X71	2	SUB LOCTITE 243 FOR PATCH	15 Nm
14 310-10021-0088 HARDWARE PIVOT SPACER 17.5X12.1X4.8	12	310-10021-0065 HARDWARE PIVOT AXLE M15X1.0X97	1		
15 310-10021-0066 HARDWARE PIVOT AXLE M12X1.0X28	13	310-BEA18-0106 BOLU BEARING 6801V2RD 12X21X5	4	GREASE	
15 310-10021-0066 HARDWARE PIVOT AXLE M12X1.0X28 4 SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 16 310-10021-0064 HARDWARE AXLE NUT M12X1.0X7.5 4 17 310-10021-0066 AXLE 12X1.0X177 REVEL UDH 1 GREASE 1 1 18 SRAM UDH HANGER 1 1 CREASE 1 1 19 310-10021-0061 HARDWARE SHOCK PIVOT AXLE M6X0.8X33.5 1 TI PREP 1 1 20 310-10021-0077 HARDWARE SHOCK EYELET BOLT M10X1.25 1 TI PREP 1 1 21 320-10021-0017 REVEL 29150 FRONT TRIANGLE DOWNTUBE PROTECTOR 1 3M VHB TAPE 2 100-10021-0068 HARDWARE BB CABLE CLAMP 1 CREASE 1 1 23 310-10021-0068 HARDWARE SHOCK PIVOT BOLT 1 M5X0.8X14 1 CREASE 1 1 M5X0.8X14 5 CREASE 1 1 M5X0.8X14 5 CREASE 1 1 M5X0.8X14 5 CREASE 1 1 M15X1.0X97 1 CREASE 1 1 M15X1.0X97 1 LOCTITE 243 1 1 CREASE 1 1 M15X1.0X97 1 LOCTITE 243 1 LOCTITE 243 1 1 LOCTITE 24	14	310-10021-0088 HARDWARE PIVOT SPACER 17.5X12.1X4.8	4		
17 310-10021-0056 AXLE 12X1.0X177 REVEL UDH 18 SRAM UDH HANGER 1 1 22 310-10021-0051 HARDWARE SHOCK PIVOT AXLE	15	310-10021-0066 HARDWARE PIVOT AXLE M12X1.0X28	4	SUB LOCTITE 243 FOR PATCH	15 Nm
18 SRAM UDH HANGER 1 2 19 310-10021-0051 HARDWARE SHOCK PIVOT AXLE M5X0.8X33.5 1 1 20 310-10021-0077 HARDWARE SHOCK EYELET BOLT MI0X1.25 1 TI PREP 1 21 320-10021-0017 REVEL 29150 FRONT TRIANGLE DOWNTUBE PROTECTOR 1 3M VHB TAPE 1 22 310-10021-0068 HARDWARE BB CABLE CLAMP 1 2 23 310-BEA22-0502 BOLU BEARING 3802V 2RD 15X24X7 2 GREASE 24 310-10021-0050 HARDWARE SHOCK PIVOT BOLT M5X0.8X14 1 1 25 320-10021-0018 REVEL 29150 CHAINSTAY PROTECTOR 1 3M VHB TAPE 26 HARDWARE SOCKET HEAD CAP SCREW M5X0.8X14 5 2 27 310-10021-0091 HARDWARE PIVOT AXLE COLLET M15X1.0X97 1 GREASE TO SHAFT; SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 28 HARDWARE SOCKET HEAD CAP SCREW M6X1.0X30MM 1 LOCTITE 243 TO THREADS 29 310-10021-0092 HARDWARE WASHER 10X8.4X1.0 1 1	16	310-10021-0064 HARDWARE AXLE NUT M12X1.0X7.5	4		
19	17	310-10021-0056 AXLE 12X1.0X177 REVEL UDH	1	GREASE	13 Nm
19 M5X0.8X33.5 1 1 TI PREP 11 20 310-10021-0077 HARDWARE SHOCK EYELET BOLT M10X1.25 1 1 TI PREP 11 21 320-10021-0017 REVEL 29150 FRONT TRIANGLE DOWNTUBE PROTECTOR 1 3M VHB TAPE 22 310-10021-0068 HARDWARE BB CABLE CLAMP 1 1 2 2 3 310-BEA22-0502 BOLU BEARING 3802V 2RD 15X24X7 2 GREASE 24 310-10021-0050 HARDWARE SHOCK PIVOT BOLT 1 1 3M VHB TAPE 25 320-10021-0018 REVEL 29150 CHAINSTAY PROTECTOR 1 3M VHB TAPE 26 HARDWARE SOCKET HEAD CAP SCREW M5X0.8X14 5 2 3 310-10021-0091 HARDWARE PIVOT AXLE COLLET 1 GREASE TO SHAFT; SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 28 HARDWARE SOCKET HEAD CAP SCREW M6X1.0X30MM 1 LOCTITE 243 11 29 310-10021-0092 HARDWARE WASHER 10X6.4X1.0 1	18	SRAM UDH HANGER	1		25 Nm
21 320-10021-0017 REVEL 29150 FRONT TRIANGLE DOWNTUBE PROTECTOR 22 310-10021-0068 HARDWARE BB CABLE CLAMP 1	19		1		
21 PROTECTOR 1 3M VHB TAPE 22 310-10021-0068 HARDWARE BB CABLE CLAMP 1 2 23 310-BEA22-0502 BOLU BEARING 3802V 2RD 15X24X7 2 GREASE 24 310-10021-0050 HARDWARE SHOCK PIVOT BOLT M5X0.8X14 1 3M VHB TAPE 25 320-10021-0018 REVEL 29150 CHAINSTAY PROTECTOR 1 3M VHB TAPE 26 HARDWARE SOCKET HEAD CAP SCREW M5X0.8X14 5 2 27 310-10021-0091 HARDWARE PIVOT AXLE COLLET M15X1.0X97 1 GREASE TO SHAFT; SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 28 HARDWARE SOCKET HEAD CAP SCREW M6X1.0X30MM 1 LOCTITE 243 THREADS 29 310-10021-0092 HARDWARE WASHER 10X6.4X1.0 1 LOCTITE 243 THREADS	20	310-10021-0077 HARDWARE SHOCK EYELET BOLT M10X1.25	1	TI PREP	15 Nm
23 310-BEA22-0502 BOLU BEARING 3802V 2RD 15X24X7 24 310-10021-0050 HARDWARE SHOCK PIVOT BOLT M5X0.8X14 25 320-10021-0018 REVEL 29150 CHAINSTAY PROTECTOR 26 HARDWARE SOCKET HEAD CAP SCREW M5X0.8X14 27 310-10021-0091 HARDWARE PIVOT AXLE COLLET LOCTITE 243 FOR PATCH LOCK ON THREADS 28 HARDWARE SOCKET HEAD CAP SCREW M6X1.0X30MM 1 LOCTITE 243 11 22 310-10021-0092 HARDWARE WASHER 10X8.4X1.0 10 11 12 12 13 10 10 10 10 10 10 10 10 10 10 10 10 10	21		1	3M VHB TAPE	
24 310-10021-0050 HARDWARE SHOCK PIVOT BOLT	22	310-10021-0068 HARDWARE BB CABLE CLAMP	1		2 Nm
24 M5X0.8X14 1 25 320-10021-0018 REVEL 29150 CHAINSTAY PROTECTOR 1 3M VHB TAPE 26 HARDWARE SOCKET HEAD CAP SCREW M5X0.8X14 5 2 27 310-10021-0091 HARDWARE PIVOT AXLE COLLET M15X1.0X97 1 GREASE TO SHAFT; SUB LOCTITE 243 FOR PATCH LOCK ON THREADS 28 HARDWARE SOCKET HEAD CAP SCREW M6X1.0X30MM 1 LOCTITE 243 1 29 310-10021-0092 HARDWARE WASHER 10X6.4X1.0 1 1	23	310-BEA22-0502 BOLU BEARING 3802V 2RD 15X24X7	2	GREASE	
26 HARDWARE SOCKET HEAD CAP SCREW M5X0.8X14 27 310-10021-0091 HARDWARE PIVOT AXLE COLLET	24		1		
27 310-10021-0091 HARDWARE PIVOT AXLE COLLET	25	320-10021-0018 REVEL 29150 CHAINSTAY PROTECTOR	1	3M VHB TAPE	
27 310-10021-0091 HARDWARE PIVOT AXLE COLLET M15X1.0X97 1 LOCTITE 243 FOR PATCH LOCK ON THREADS 28 HARDWARE SOCKET HEAD CAP SCREW M6X1.0X30MM 1 LOCTITE 243 13 29 310-10021-0092 HARDWARE WASHER 10X6.4X1.0 1 1	26	HARDWARE SOCKET HEAD CAP SCREW M5X0.8X14	5		2 Nm
29 310-10021-0092 HARDWARE WASHER 10X6.4X1.0 1	27		1	LOCTITE 243 FOR PATCH LOCK ON	15 Nm
	28	HARDWARE SOCKET HEAD CAP SCREW M6X1.0X30MM	1	LOCTITE 243	12 Nm
30 310-10021-0089 HARDWARE COLLET WEDGE 20 DEGREE 1 GREASE TO OUTER SURFACE	29	310-10021-0092 HARDWARE WASHER 10X6.4X1.0	1		
	30	310-10021-0089 HARDWARE COLLET WEDGE 20 DEGREE	1	GREASE TO OUTER SURFACE	

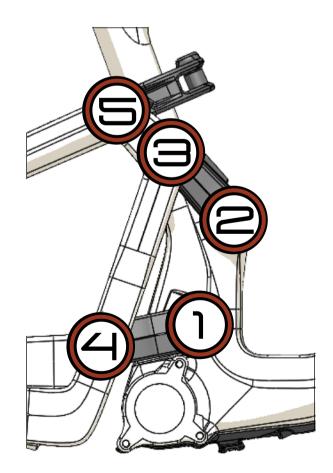


LINHAGE SERVICE

Things to note before/after service:

- 1) Ensure all bolts are torqued to spec listed in this manual and on bolt head.
- 2) All bolts are right hand threaded but have hex profiles on either end. If turning the bolt from the threaded side, turning counter clockwise will tighten the bolt
- 3) Bolts come with Nylock patch installed. This serves the function of thread looker and can be reused for multiple installations. Verify condition of patch before assembly. If patch looks worn or damaged add Blue Loctite 243.
- 4) It is easier to tighten linkage assembly to torque once it has been fully assembled. Similarly it is easiset to break bolts free when linkage is fully assembled.
- 5) All images shown in exploded views of pivots correspond to exploded view on Page 4 of Tech Manual.

See diagram below for pivot location numbers:



Tools Needed:

1) 4mm Hex Key

2)5mm Hex Key

3)6mm Hex Key

4)8mm Hex Key

5) Torque Wrench

6) Grease

7) Titanium Anti-Seize Compound

Additionall tools needed when performing a full bearing replacement:

8) Bearing Puller (Slide Hammer)

8a) 12mm Bearing Collet

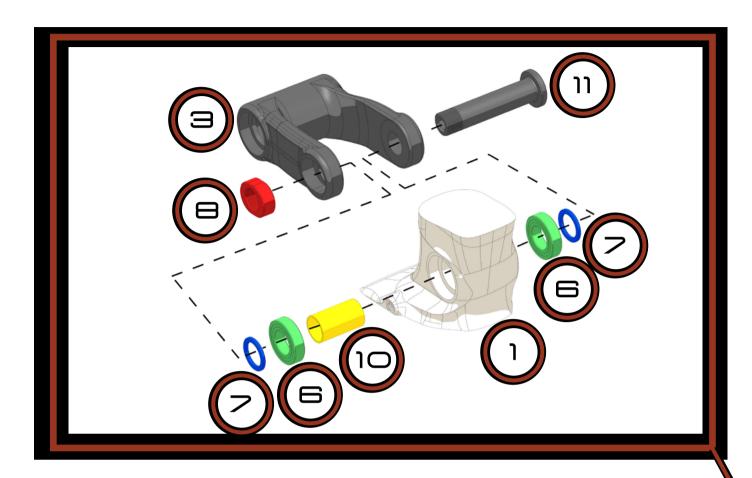
8b) 15mm Bearing Collet

9) Bearing Press

9a) 12mm ID Bearing Drift (Ensure largest diameter on drift measures less than or equal to 21mm) [Used on Pivot 1, Pivot 2, Pivot 3 & Pivot 5]

9b) 15mm ID Bearing Drift (Ensure largest diameter on drift measures less than or equal to 24mm) [Used on Pivot 4]

PIVOTI



	PART NUMBER	QTY.
1	320-10021-0011-XX REVEL 29150 FRONT TRIANGLE LARGE	1
3	320-10021-0014-XX REVEL 29150 LOWER LINK	1
6	310-BEA22-0501 BOLU BEARING 6902 V2RD 15X28X7	2
7	310-10021-0058 HARDWARE PIVOT SPACER 21X15.2X2	2
8	310-10021-0060 HARDWARE AXLE NUT M15X1.0X8.6	1
10	310-10021-0062 HARDWARE AXLE SPACER 15.20X17.20X29.85	1
11	310-10021-0063 HARDWARE PIVOT AXLE M15X1.0X71	1

TOOLS NEEDED

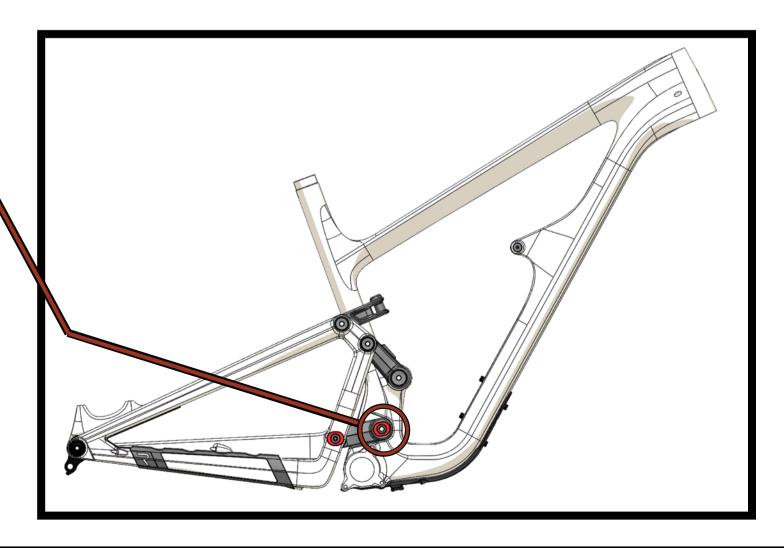
6mm Hex Key

Grease

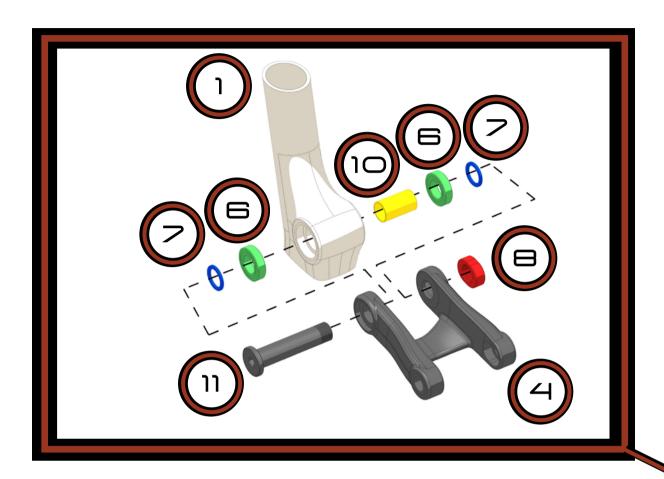
NOTES

1) Torque axle to 15 Nm.

2) Apply grease to axle shaft (DO NOT apply grease to threads).



PIVOT 2



NOTES

1) Torque axle to 15 Nm.

2) Apply grease to axle shaft (DO NOT apply grease to threads).

	PART NUMBER	QTY.
1	320-10021-0011-XX REVEL 29150 FRONT TRIANGLE LARGE	1
4	320-10021-0015-XX REVEL 29150 UPPER LINK	1
6	310-BEA22-0501 BOLU BEARING 6902 V2RD 15X28X7	2
7	310-10021-0058 HARDWARE PIVOT SPACER 21X15.2X2	2
8	310-10021-0060 HARDWARE AXLE NUT M15X1.0X8.6	1
10	310-10021-0062 HARDWARE AXLE SPACER 15.20X17.20X29.85	1
11	310-10021-0063 HARDWARE PIVOT AXLE M15X1.0X71	1

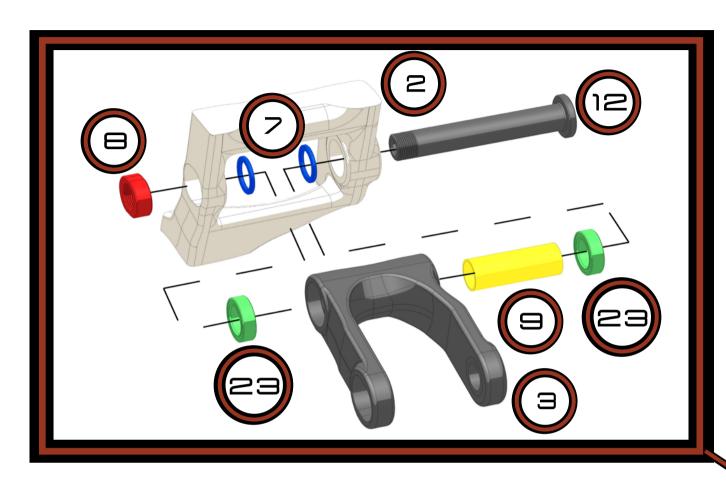
TOOLS NEEDED

6mm Hex Key

Grease



PIVOT 4 VARIANT 1



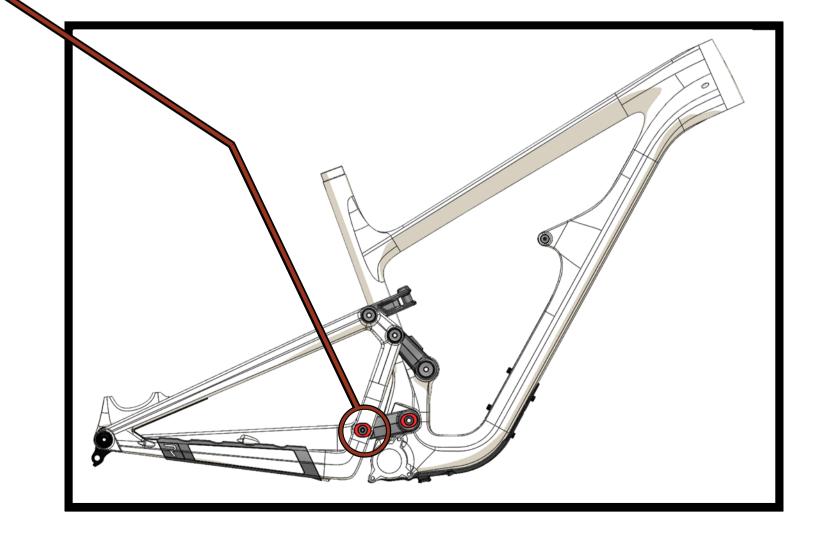
) Apply grease to axle shaft (DO NOT apply grease to threads).	

1) Torque axle to 15 Nm.

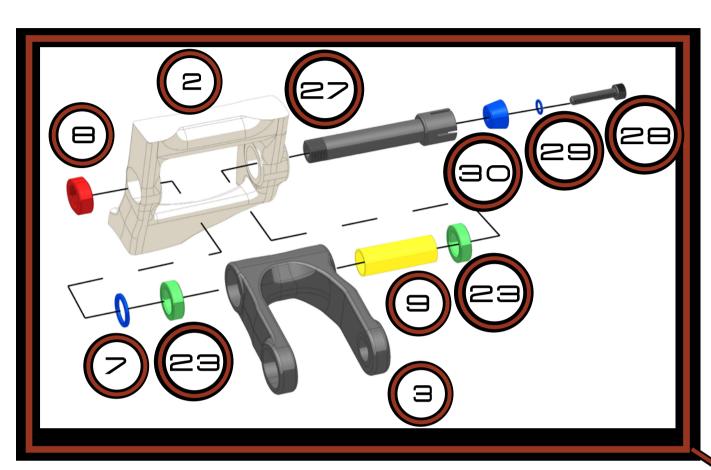
NOTES

	PART NUMBER	QTY.
2	320-10021-0013-XX REVEL 29150 REAR TRIANGLE	1
3	320-10021-0014-XX REVEL 29150 LOWER LINK	1
7	310-10021-0058 HARDWARE PIVOT SPACER 21X15.2X2	2
8	310-10021-0060 HARDWARE AXLE NUT M15X1.0X8.6	1
9	310-10021-0061 HARDWARE AXLE SPACER 15.20X17.20X47.25	1
12	310-10021-0065 HARDWARE PIVOT AXLE M15X1.0X97	1
23	310-BEA22-0502 BOLU BEARING 3802V 2RD 15X24X7	2

TOOLS NEEDED 6mm Hex Key Grease



PIVOT 4 VARIANT 2



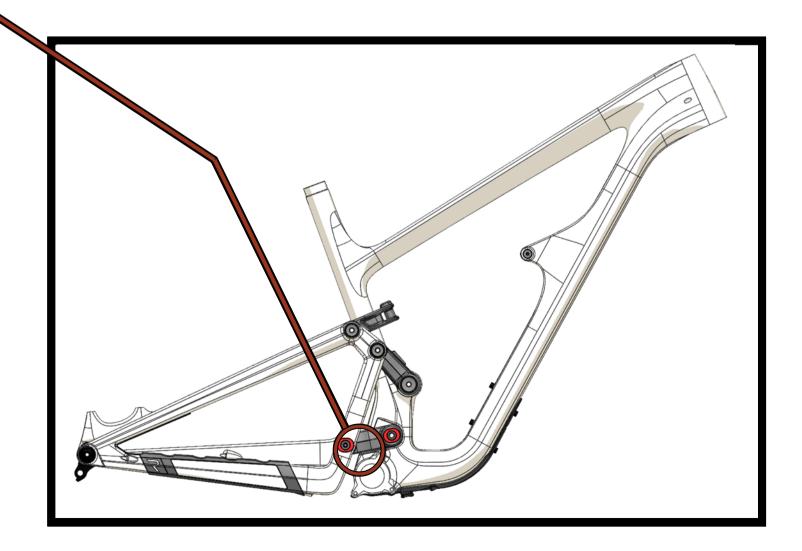
NOTES

- 1) Torque axle to 15 Nm
- 2) Torque collet wedge to 12 Nm.
- 3) Only one washer is used on this pivot. It sits on the drive side of bike, between lower link and rear triangle.
- 4) Apply grease to axle shaft (DO NOT apply grease to threads).
- 5) Pivot 4 makes assembly of rear triangle to front triangle easier if performed before Pivot 3 & Pivot 5.

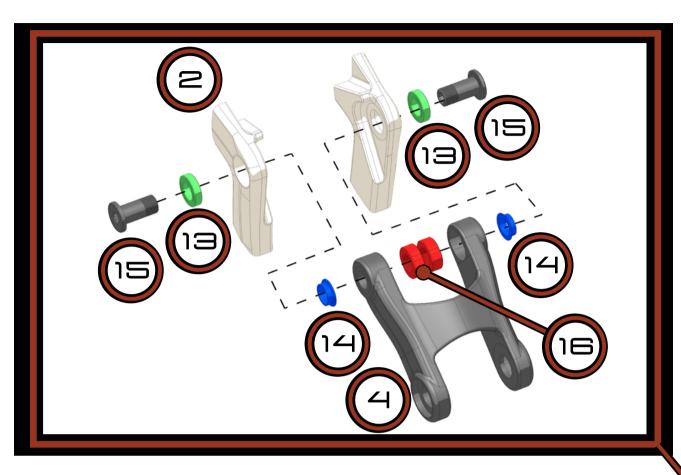
	PART NUMBER	QTY.
2	320-10021-0013-XX REVEL 29150 REAR TRIANGLE	1
3	320-10021-0014-XX REVEL 29150 LOWER LINK	1
7	310-10021-0058 HARDWARE PIVOT SPACER 21X15.2X2	1
8	310-10021-0060 HARDWARE AXLE NUT M15X1.0X8.6	1
9	310-10021-0061 HARDWARE AXLE SPACER 15.20X17.20X47.25	1
23	310-BEA22-0502 BOLU BEARING 3802V 2RD 15X24X7	2
27	310-10021-0091 HARDWARE PIVOT AXLE COLLET M15X1.0X97	1
28	HARDWARE SOCKET HEAD CAP SCREW M6X1.0X30MM	1
29	310-10021-0092 HARDWARE WASHER 10X6.4X1.0	1
30	310-10021-0089 HARDWARE COLLET WEDGE 20 DEGREE	1

TOOLS NEEDED

8mm Hex Key 5mm Hex Key Grease



PIVOT 3



	PART NUMBER	QTY.
2	320-10021-0013-XX REVEL 29150 REAR TRIANGLE	1
4	320-10021-0015-XX REVEL 29150 UPPER LINK	1
13	310-BEA18-0106 BOLU BEARING 6801V2RD 12X21X5	2
14	310-10021-0088 HARDWARE PIVOT SPACER 17.5X12.1X4.8	2
15	310-10021-0066 HARDWARE PIVOT AXLE M12X1.0X28	2
16	310-10021-0064 HARDWARE AXLE NUT M12X1.0X7.5	2

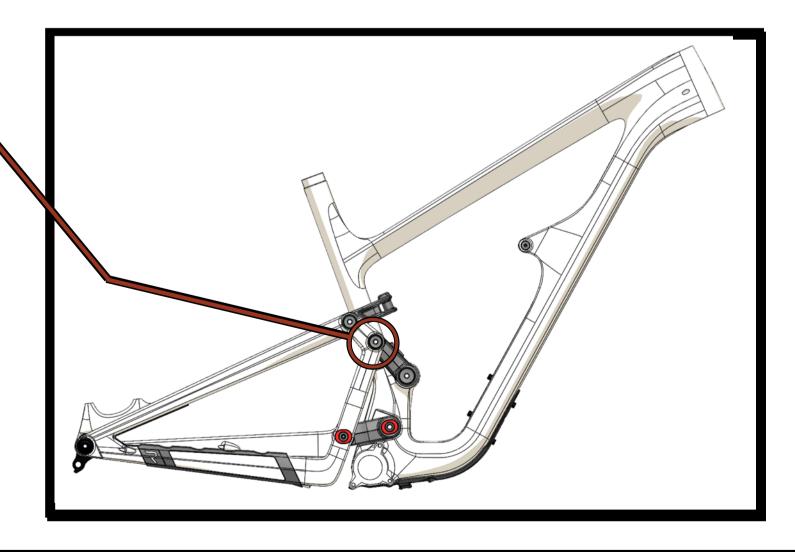
TOOLS NEEDED

6mm Hex Key

Grease

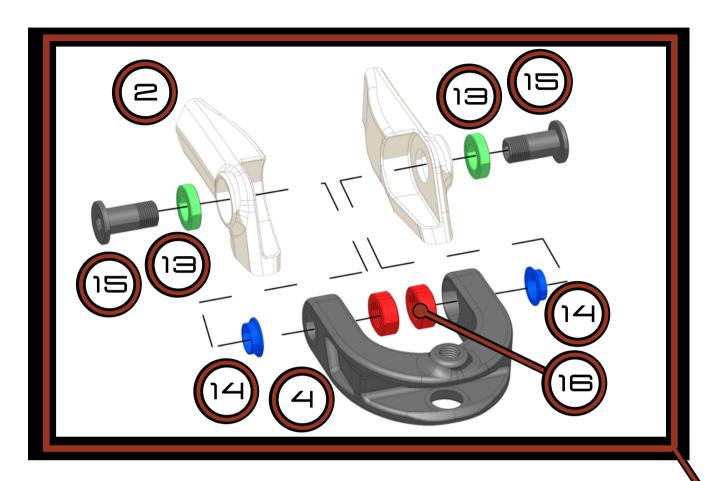
NOTES

- 1) Torque axle to 15 Nm.
- 2) Apply grease to axle shaft (DO NOT apply grease to threads).
- 3) Front triangle and rear triangle must be assembled before upper link is connected to rear triangle.





PIVOT 5



	PART NUMBER	QTY.
2	320-10021-0013-XX REVEL 29150 REAR TRIANGLE	1
4	320-10021-0015-XX REVEL 29150 UPPER LINK	1
13	310-BEA18-0106 BOLU BEARING 6801V2RD 12X21X5	2
14	310-10021-0088 HARDWARE PIVOT SPACER 17.5X12.1X4.8	2
15	310-10021-0066 HARDWARE PIVOT AXLE M12X1.0X28	2
16	310-10021-0064 HARDWARE AXLE NUT M12X1.0X7.5	2

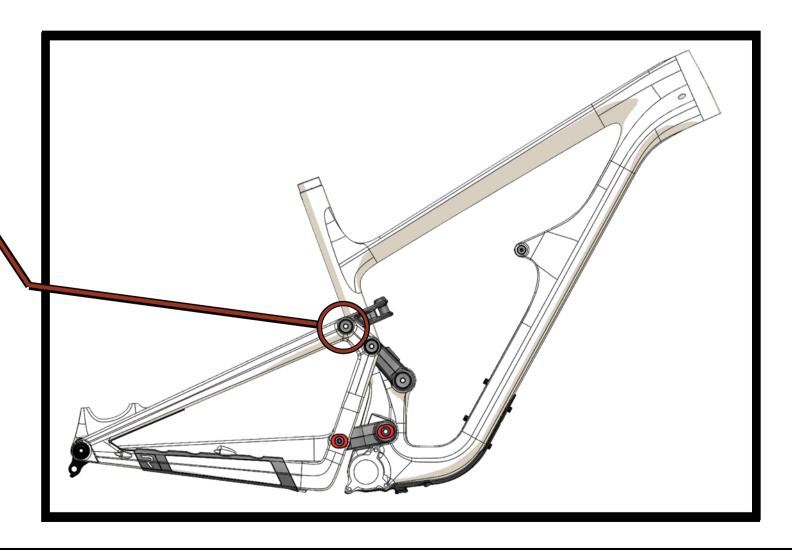
TOOLS NEEDED

6mm Hex Key

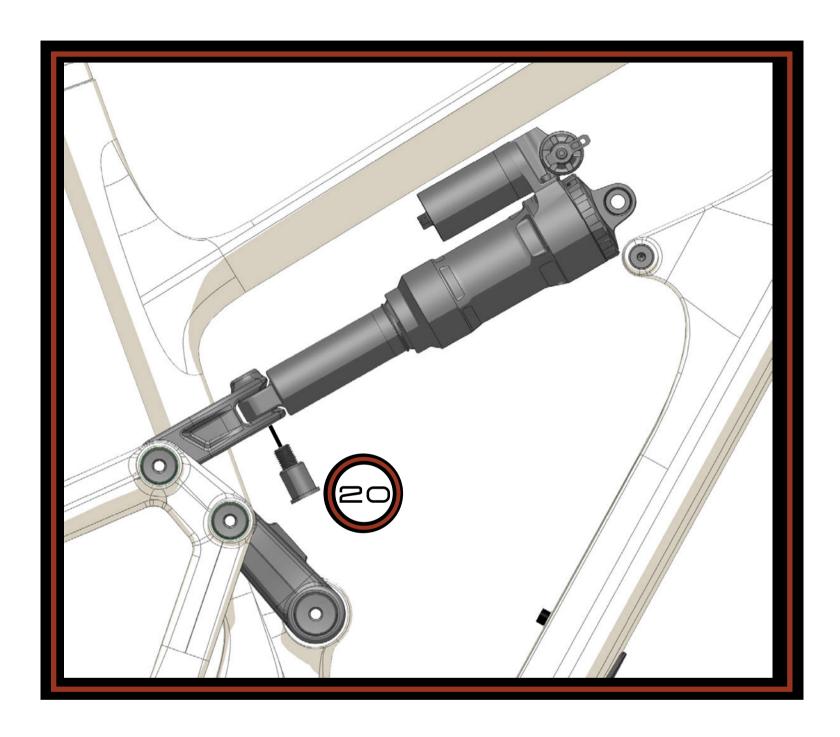
Grease

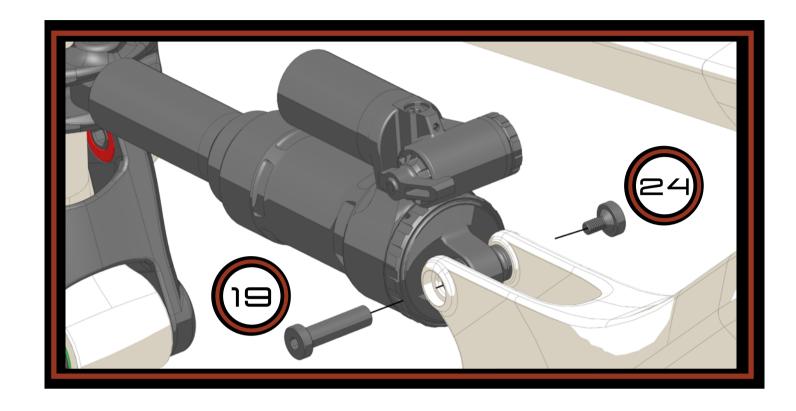
NOTES

- 1) Torque axle to 15 Nm.
- 2) Apply grease to axle shaft (DO NOT apply grease to threads).
- 3) Front triangle and rear triangle must be assembled before upper link is connected to rear triangle.



SHOCK INSTALL





	PART NUMBER	QTY.
1	320-10021-0011-XX REVEL 29150 FRONT TRIANGLE LARGE	1
5	320-10021-0016-XX REVEL 29150 SHOCK LINK	1
19	310-10021-0051 HARDWARE SHOCK PIVOT AXLE M5X0.8X33.5	1
20	310-10021-0077 HARDWARE SHOCK EYELET BOLT M10X1.25	1
24	310-10021-0050 HARDWARE SHOCK PIVOT BOLT M5X0.8X14	1

NOTES

- 1) Torque foward shock bolt to 10 Nm.
- 2) Torque rear shock bolt to 15 Nm.
- 3) Apply titanium anti-seize to threads on rear shock bolt.
- 4) Install rear shock to shock yoke, first then rotate shock down into forward shock mount.

TOOLS NEEDED

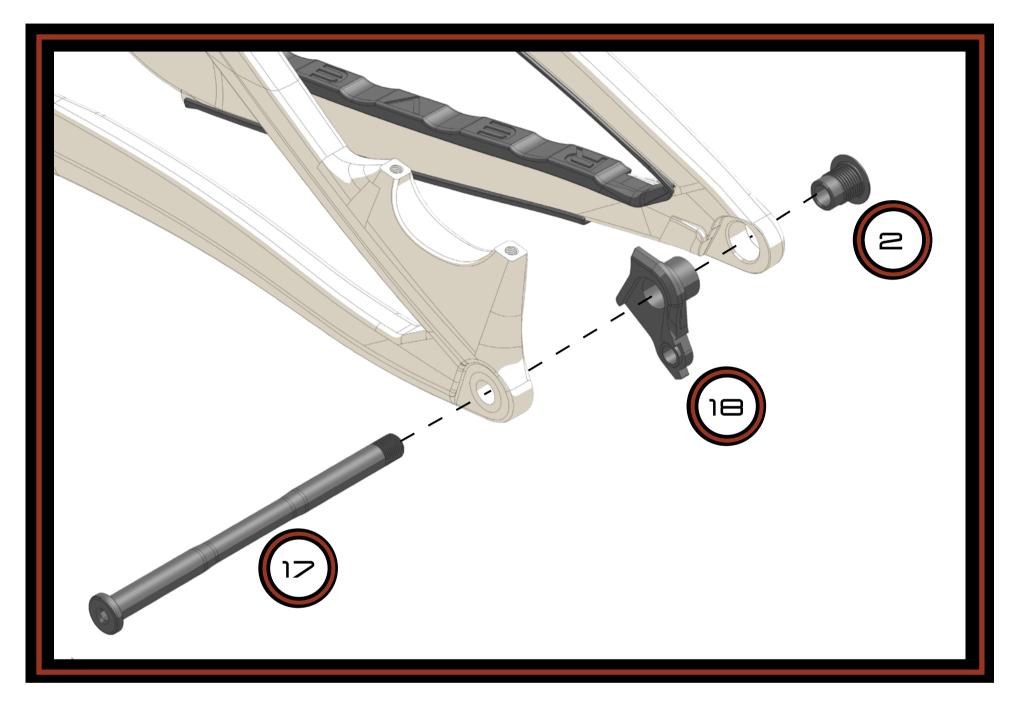
8mm Hex Key

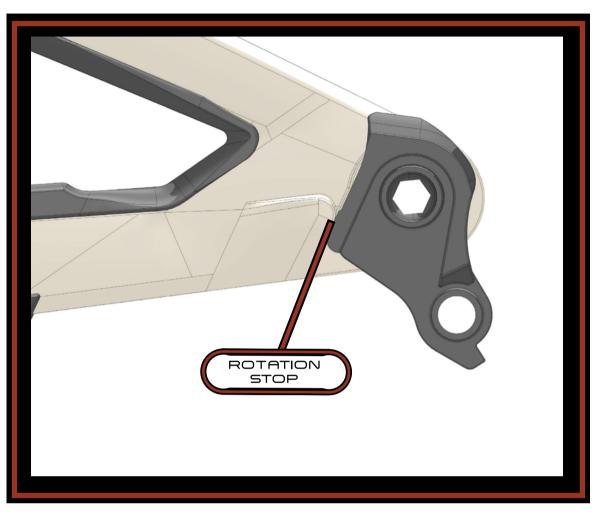
4mm Hex Key

Titanium Anti-Seize Compound



UDH HANGER & AKLE INSTALL





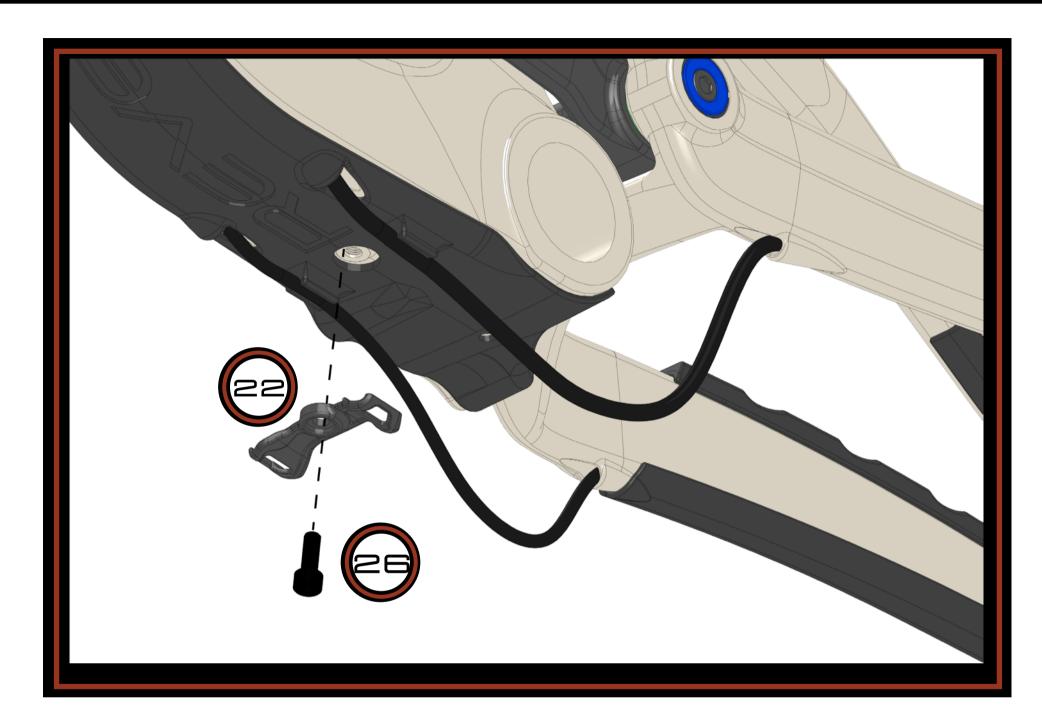
	PART NUMBER	QTY.
2	320-10021-0013-XX REVEL 29150 REAR TRIANGLE	1
17	310-10021-0056 AXLE 12X1.0X177 REVEL UDH	1
18	SRAM UDH HANGER	1

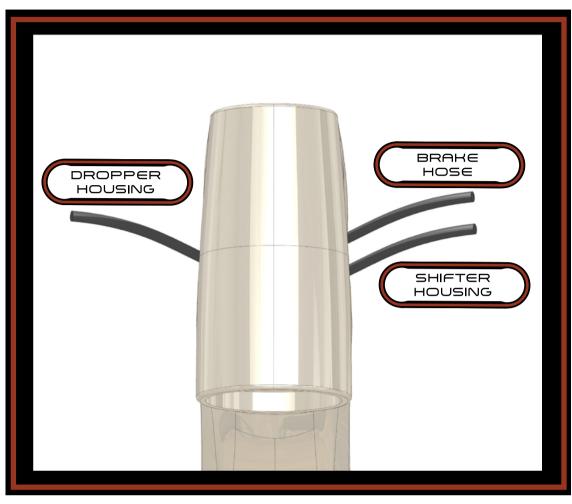
NOTES

- 1) Torque UDH hanger to 25 Nm. NOTE: UDH hanger is left-hand threaded.
- 2) Ensure UDH hanger is rotated fully foward and resting on rotation stop.
- 3) Torque Revel UDH compatible axle to 13 Nm.
- 4) DO NOT apply grease to frame, UDH hanger or UDH bolt threads.
- 5) Apply grease to axle shaft (DO NOT apply grease to threads).
- 6) DO NOT torque axle to torque spec without wheel installed.

8mm Hex Key 5mm Hex Key Grease

INTERNAL ROUTING





	PART NUMBER	QTY.
22	310-10021-0068 HARDWARE BB CABLE CLAMP	1
26	HARDWARE SOCKET HEAD CAP SCREW M5X0.8X14	1

NOTES

- 1) Torque Cable Clamp Bolt to 2 Nm
- 2) When sizing shifter housing and brake hose leave 40mm (1.57") extra length to account for cable growth during suspension travel

TOOLS NEEDED

4mm Hex Key



770 INDUSTRY PL UNIT B, CARBONDALE, CO 81623
HTTPS://REVELBIKES.COM