

Rocky Mountain Slayer

Technical Manual

Rev: A



Table of Contents

Materials Required.....	3
Suspension Pivot Torque Guide.....	4
Small Parts Torque Guide.....	5
Assembly Instructions.....	6
1) Bearing Installation.....	6
1.1 Main Pivot Bearing Installation.....	6
1.2 Chain Stay Bearing Installation.....	6
1.3 Top Link Bearing Installation.....	7
1.4 Shock Eyelet Bearing Installation.....	8
2) Frame Assembly.....	9
2.1 Chain Stay Installation.....	9
2.2 Top Link Installation.....	10
2.3 Seat Stay Installation.....	11
2.4 Shock Installation.....	12
3) Plastic Component Installation.....	13
3.1 Downtube Cable Port.....	13
3.2 Chain Guide.....	13
3.3 Chain Stay Protector.....	13
3.4 Seat Stay Protector.....	13
4) Rear Axle & Rear Derailleur Hanger.....	14
5) Cable Routing.....	15
5.1 Internal Cable Noise Damping Hose.....	15
5.2 Head Tube Port Cable Routing.....	16
5.3 Frame Cable Routing.....	16
Disassembly Instructions.....	17
1) PipeLock Removal.....	17
2) Bearing Removal.....	19

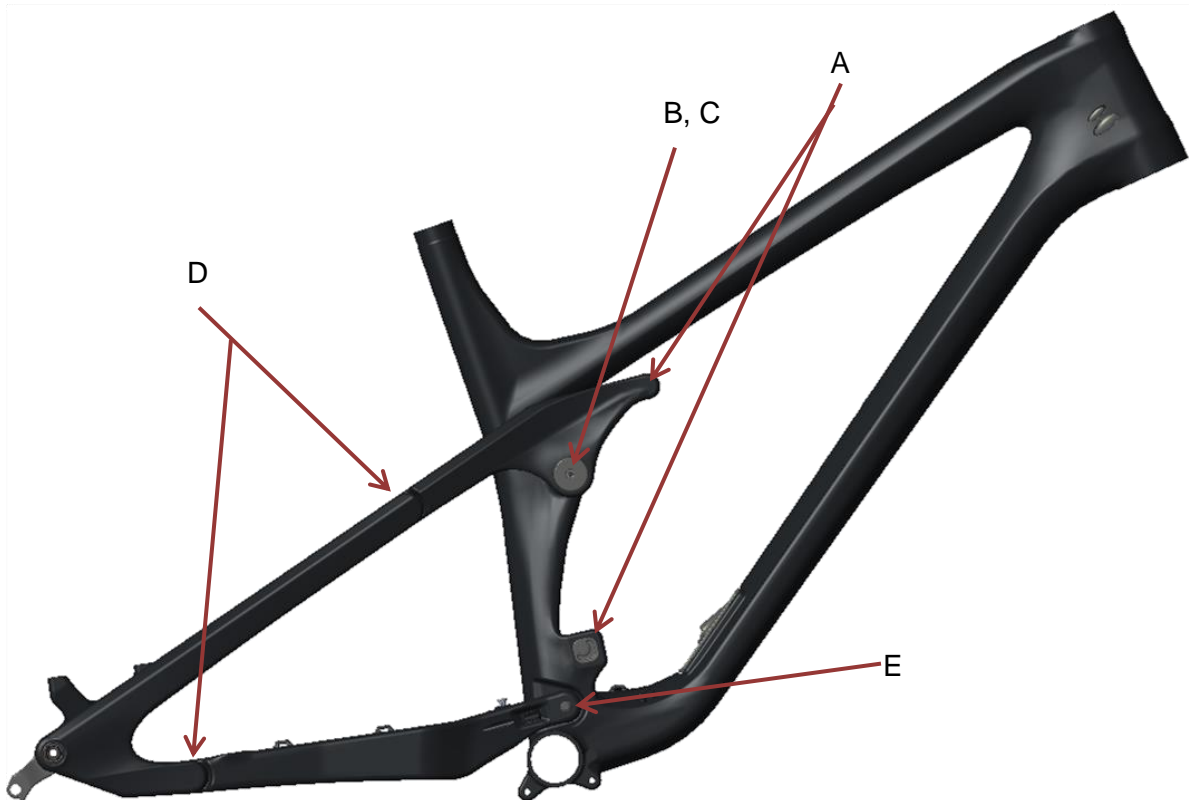
Materials Required

- Rocky Mountain Slayer MY 2017 Frame
- Slayer Tool Kit
- Loctite 243 (blue)
- Grease
- Torque Wrench
 - o 2.5mm, 5mm, 6mm, and 8mm Hex Key Bits
- Isopropyl Alcohol
- Clean Rags
- Blind Puller (10mm OD)
- Vise with Soft Jaws

Suspension Pivot Torque Guide

Note: All Torque values are +/- 10%

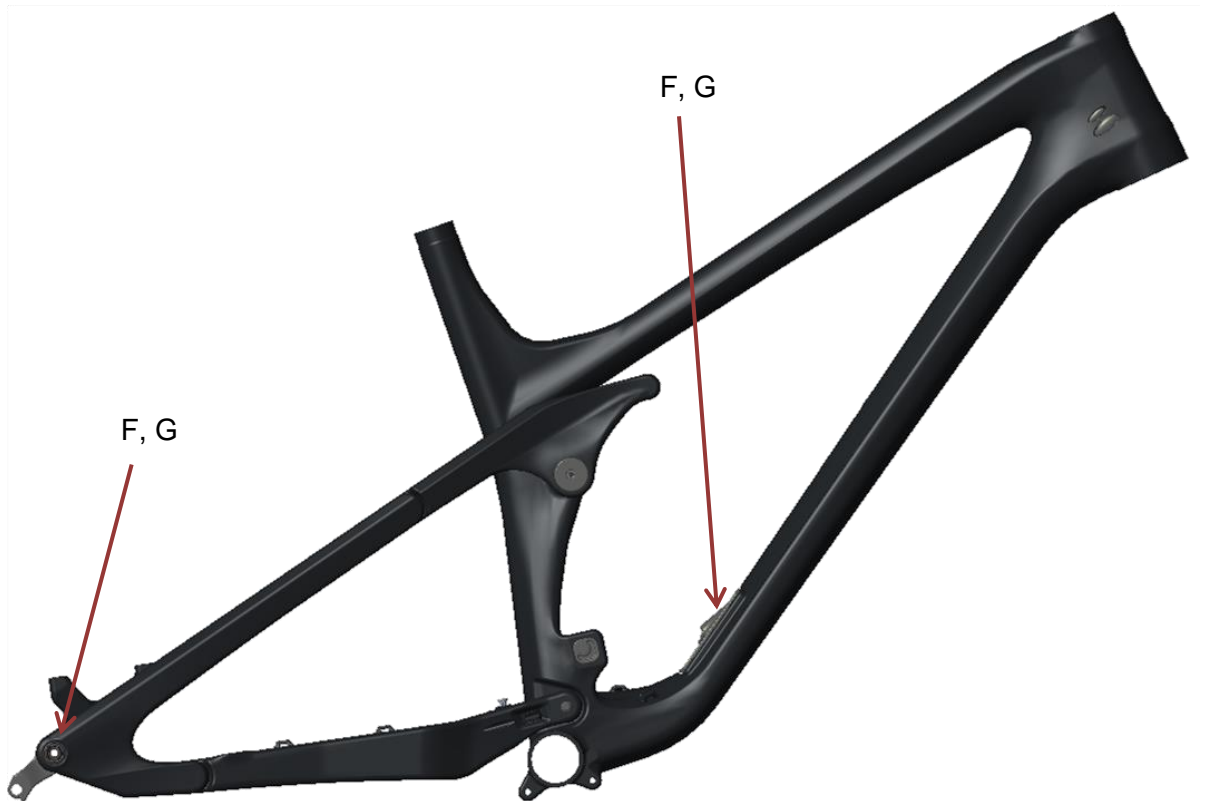
Description		Part #	Location	Tool	Torque			Notes
					kg-cm	Nm	lb-in	
A	Shock Bolts	1807037	Top Link	5mm Hex Key	92	9	80	Loctite 243 (blue) threads, grease bolt shanks.
		1807024	Front Triangle	6mm Hex Key				
B	PipeLock Bolt	1807039	FT-TL Pivot	5mm Hex Key	127	13	110	Grease threads.
C	Bearing Preload Screw	1806087		8mm Hex Key	175	17	152	Loctite 243 (blue) threads.
D	Seat Stay Pivot Screws	1807039	SS-TL Pivot	6mm Hex Key	175	17	152	Loctite 243 (blue) threads, grease screw shank.
			SS-CS Pivot					
E	Main Pivot Bolt	1807029	Main Pivot	6mm Hex Key	175	17	152	Loctite 243 (blue) threads, grease bolt shank.



Small Parts Torque Guide

Note: All Torque values are +/- 10%

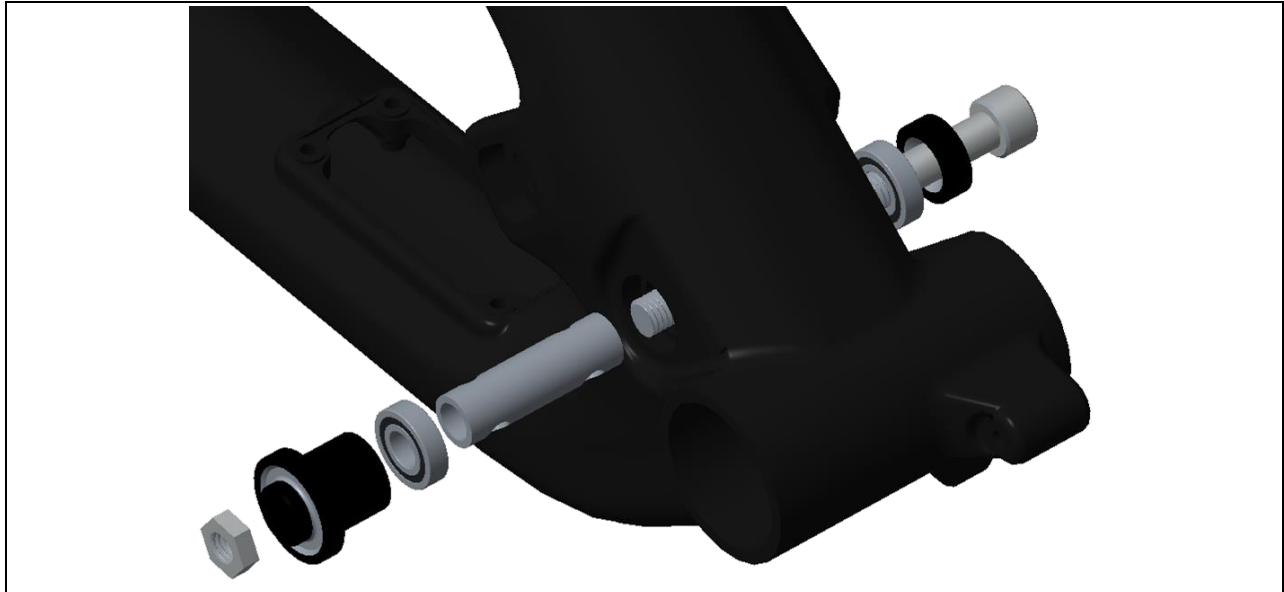
Description		Part #	Location	Tool	Torque			Notes
					kg-cm	Nm	lb-in	
E	Counter Sunk M4x16mm Screw	1806013	Downtube Cable Port	2.5mm Hex Key	<9	<1	<8	Loctite 243 (blue). Tighten until snug.
F	Rear Axle Nut	1807046	Drive-Side Dropout	6mm Hex Key	204	20	177	Left hand thread, apply Loctite 243 (blue) to male threads.
G	Rear Axle	1807045	Non-Drive-Side Dropout	6mm Hex Key	104	10	90	Apply grease to axle shaft and threads. Use Stainless Steel Washer (3227006) on Non-Drive-Side.



Assembly Instructions

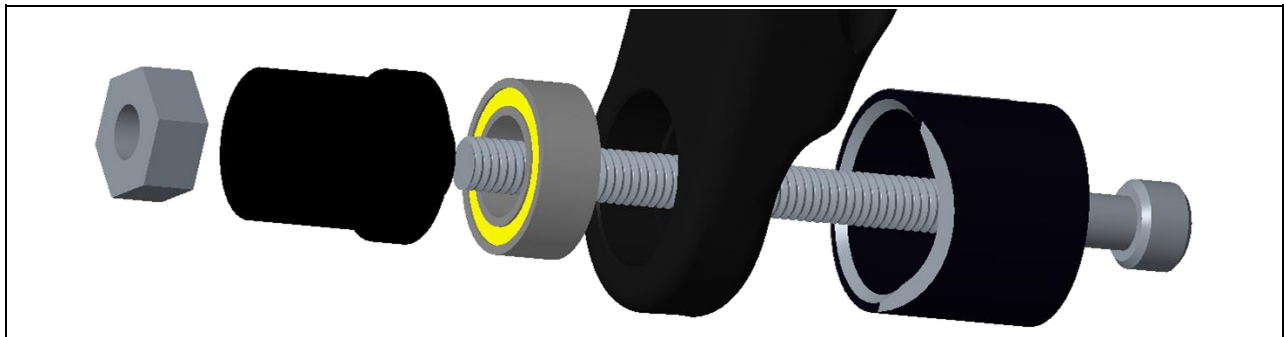
1) Bearing Installation

1.1 Main Pivot Bearing Installation



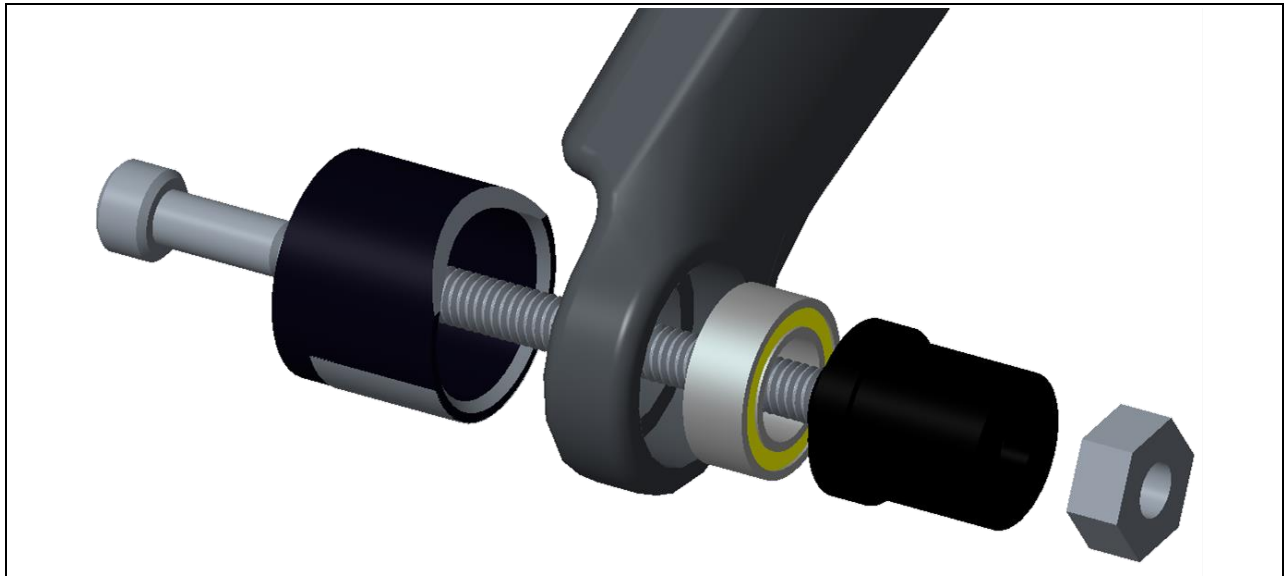
1) Using 6903 Bearing Press, 6900 Bearing Washer, and M10 Bolt as shown, install non-drive-side Enduro 6900 2RS MAX (1807042) Bearing.	2) Grease exterior of Main Pivot Spacer (1807038), slide into main pivot.
3) Using 6903 Bearing Press, 6900 Bearing Washer, and M10 Bolt as shown, install drive-side Enduro 6900 2RS MAX (1807042) Bearing.	4) Inspect bearings for proper seating against frame.

1.2 Chain Stay Bearing Installation



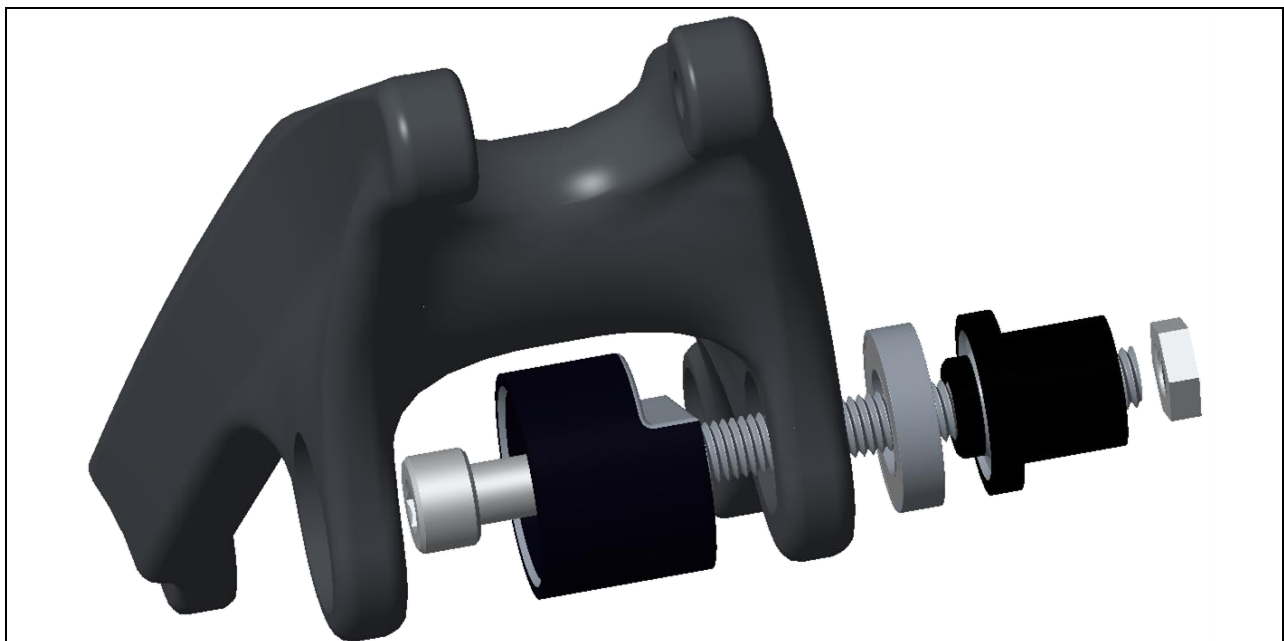
1) Using DR11197 Bearing Tool, install Enduro DR11197 (1807034) Bearings.	2) Inspect bearings for proper seating against frame.
---	---

1.3 Top Link Bearing Installation



1) Using DR11197 Bearing Tool, install Enduro DR11197 (1807034) Bearings.

2) Inspect bearings for proper seating against frame.



1) Using 6903 Bearing Tool, install Enduro 6903 (1807112) Bearings.

2) Inspect bearings for proper seating against frame.

1.4 Shock Eyelet Bearing Installation



1) Grease Eyelet Bearing Sleeve (1807028).

2) Using a vise with soft jaws, press in the Eyelet Bearing Cups (1807026) and Sleeve into the shock.

Note: Install the eyelet bearings into the link side of the shock.

3) Inspect bearings for proper seating against shock.

2) Frame Assembly

2.1 Chain Stay Installation



- 1) Grease outside of main pivot bearing inner races, and outer surface of Main Pivot Bolt (1807029).

Apply Loctite 243 (blue) to threads on the drive-side of the chain stay yoke.

- 2) Slide chain stay over front triangle main pivot.

- 3) Install Main Pivot Bolt.

Torque to 17 Nm.

2.2 Top Link Installation



1. Grease Top Link PipeLock Axle (1806088 & 1806089) exteriors, PipeLock Bolt (1807039) threads, and 6903 Bearing Spacer (1806093) faces.

Loctite Preload Screw (18-6087) threads

2. Place greased 6903 Bearing Spacer against top link bearings, with their narrow faces contacting the bearing inner races.

3. Slide top link assembly around front triangle, and install Drive-Side PipeLock Axle (1806089).

4. Install Non-Drive-Side PipeLock Axle (1806088) and PipeLock Bolt with Brass Washer (1807069).

Torque PipeLock Bolt to 13 Nm.

5. Install Bearing Preload Screws.

Torque Preload Screws to 17 Nm.

2.3 Seat Stay Installation



1) Apply Loctite 243 (blue) to inside of threaded seat stay inserts.

2) Pass Rear Pivot Screws (1807035) through chain stay bearings, and thread into seat stay.

Torque to 17 Nm.

3) Pass Rear Pivot Screws (1807035) through top link stay bearings, and thread into seat stay.

Torque to 17 Nm.

2.4 Shock Installation



- 1) Grease outside of Link (1807049) and FT (1807062) Shock Bolts, Bearing Spacers (1807099), and the outside of Outer (1807003) and Inner (1807004) Ride-9 Chips.

Apply Loctite 243 (blue) to M6-1.0 x 16mm (180566-016 FBY) and M6-1.0 x 12mm (180566-012 FBY) SS Screw threads.

- 2) Slide shock, with correct hardware (see exploded diagram) into front triangle, slide in FT Shock Bolt from the drive-side.

- 3) Select Ride-9 Position using the Outer and Inner Ride-9 Chips.

- 4) Seat bearing spacers with narrow inner faces against bearings, and slide shock into link

Pass Link Shock Bolt through Ride-9 Chips, top link, and shock from the drive-side.

- 5) Pass M6-1.0 x 16mm SS Screw through M6 Counter-Sunk Washer (1807064), and thread into FT Shock Bolt.

Torque to 9 Nm.

- 6) Pass M6-1.0 x 16mm SS Screw through non-drive-side Ride-9 Chip, and thread into Link Shock Bolt.

Torque to 9 Nm.

3) Plastic Component Installation

3.1 Downtube Cable Port



1) Apply Loctite 243 (blue) to Counter Sunk (1806013) screw threads.

2) Pass (1806013) screws through Downtube Cable Port (1097023) and thread into front triangle.

Torque to snug (<1 Nm).

3.2 Chain Guide

3.3 Chain Stay Protector

3.4 Seat Stay Protector

4) Rear Axle & Rear Derailleur Hanger



- 1) Apply Loctite 243 (blue) to Axle Nut (3227001) threads

Note: Axle Nut and Derailleur Hanger are left hand (reverse) threaded! Turn counter-clockwise to tighten.

- 2) Pass Axle Nut through seat stay, and thread into rear derailleur hanger.

Note: Select the correct rear derailleur hanger, either Shimano Direct Mount (3227002) or Standard Mount (1097132).

Torque to 20 Nm.

- 3) Grease rear axle (3227009) body and threads.

- 4) Pass through Stainless Steel Washer (3227006), seat stay, hub, and thread into axle nut.

With hub installed, torque to 10 Nm.

5) Cable Routing

5.1 Internal Cable Noise Damping Hose

We recommend that users install our Foam Tubes to damp cable noise within the frame.

Note: Only the one cable is shown in this image for clarity.



- 1) Pour isopropyl alcohol down Foam Tube to lubricate foam tube.

Foam Tube for 4mm Housing (3337001).

Foam Tube for 5mm Housing (3337002).

- 2) Slide one foam tube over each internal cable, prior to routing cables through frame.

Note: The foam tubes do not fit through either the head tube or down tube cable ports.

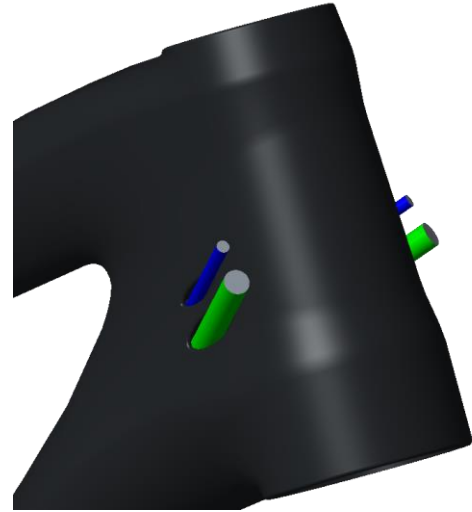
5.2 Head Tube Port Cable Routing

Colour Coding:

Green – 6mm Hose (hydraulic line with Connectamajig or smaller)

Blue – 4mm Housing (mechanical shift cable housing or smaller)

Note: We supply our bikes with rubber grommets to ensure a snug fit for cables within each port. Please see the exploded diagram to find the correct grommets for your bike.



5.3 Frame Cable Routing



Colour Coding:

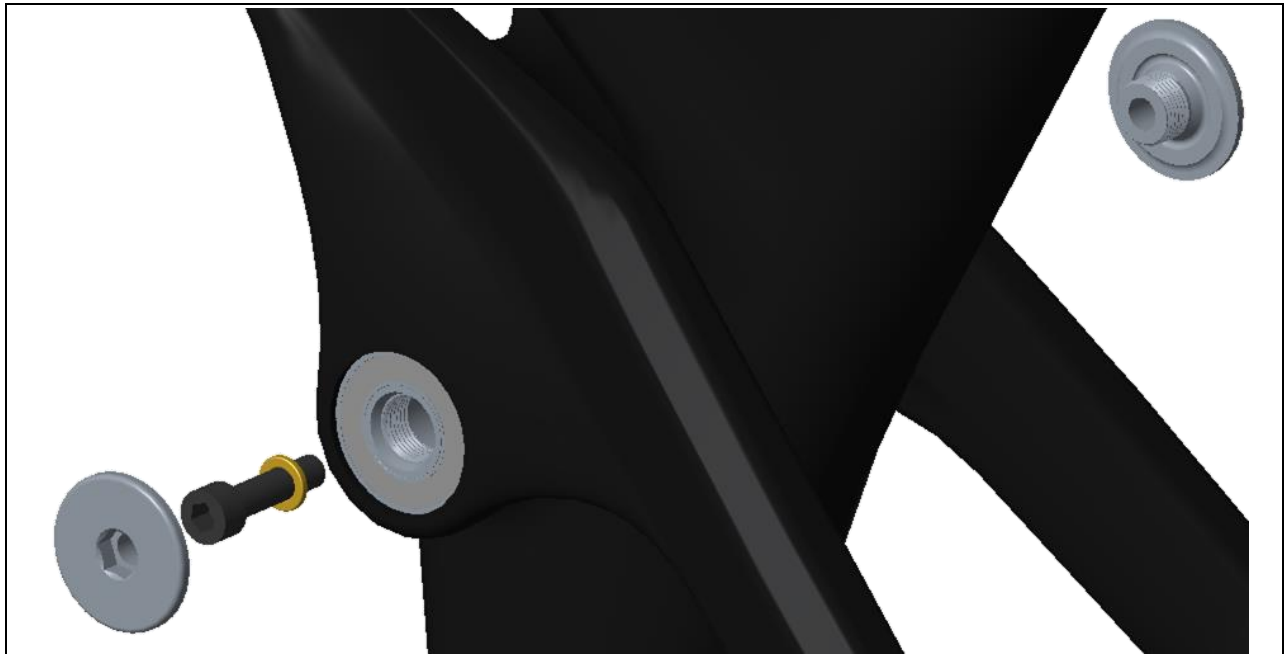
Green – Brake Hose

Pink – Internal Dropper Post Hose

Blue – Rear Derailleur Cable

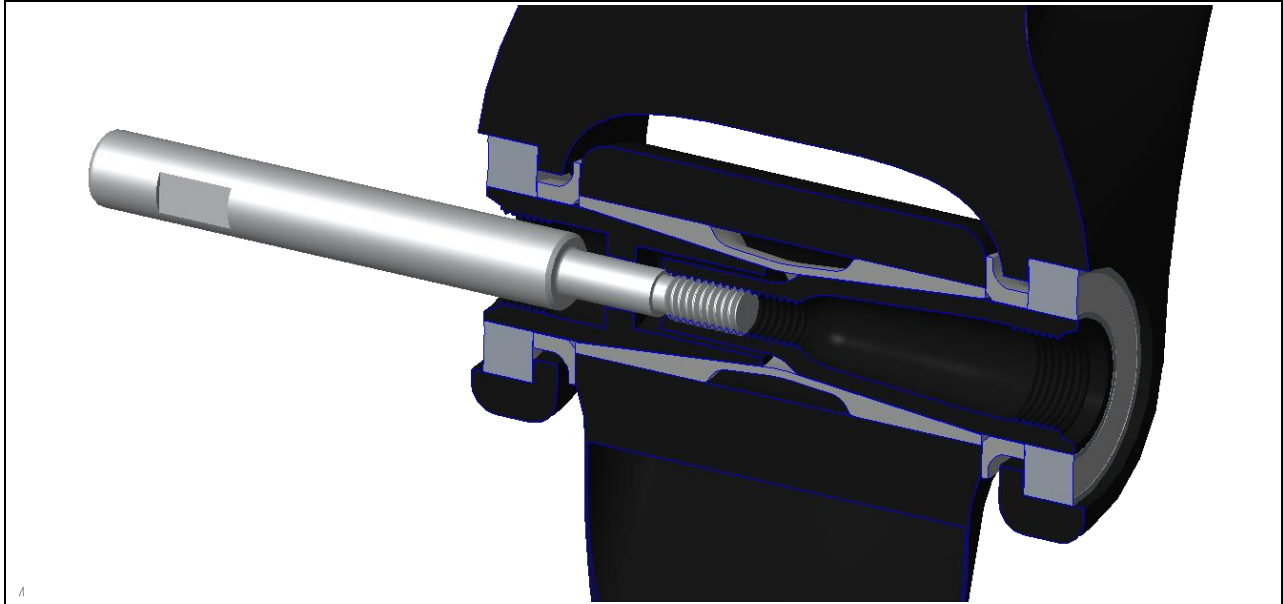
Disassembly Instructions

1) PipeLock Removal



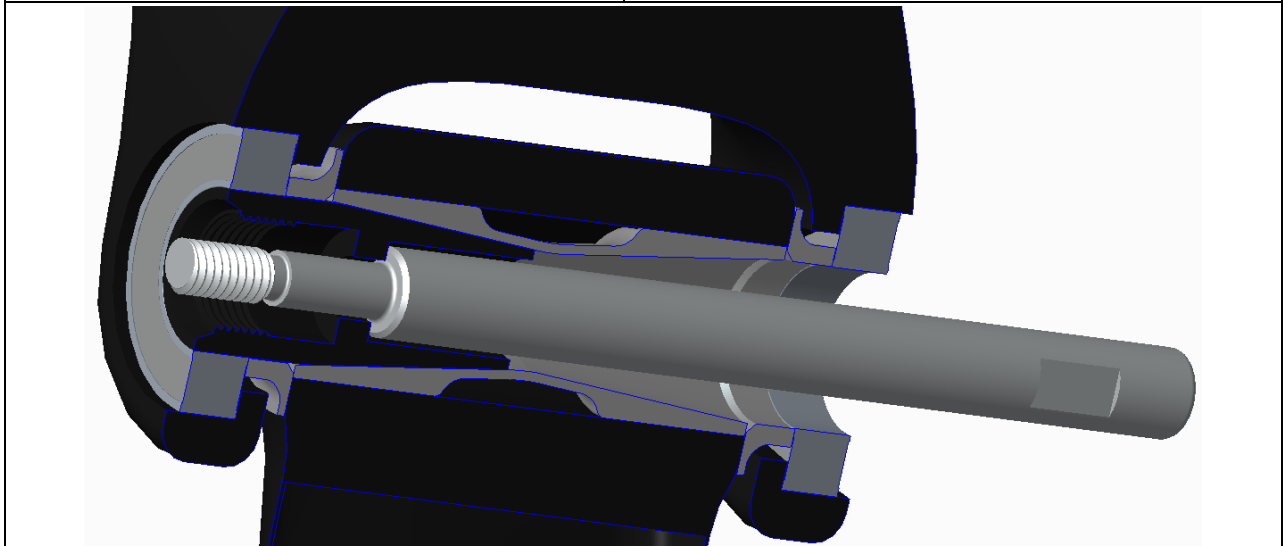
1. Remove all Bearing Preload Screws (1806087).

2. Remove PipeLock Bolt (1807039) and Brass Washer (1807069).



3. Thread M6 PipeLock Removal Tool into threaded, Drive-Side PipeLock Axle (1806089) from non-drive-side.

4. Using a hammer, hit the M6 PipeLock Removal Tool to remove the Drive-Side PipeLock Axle.

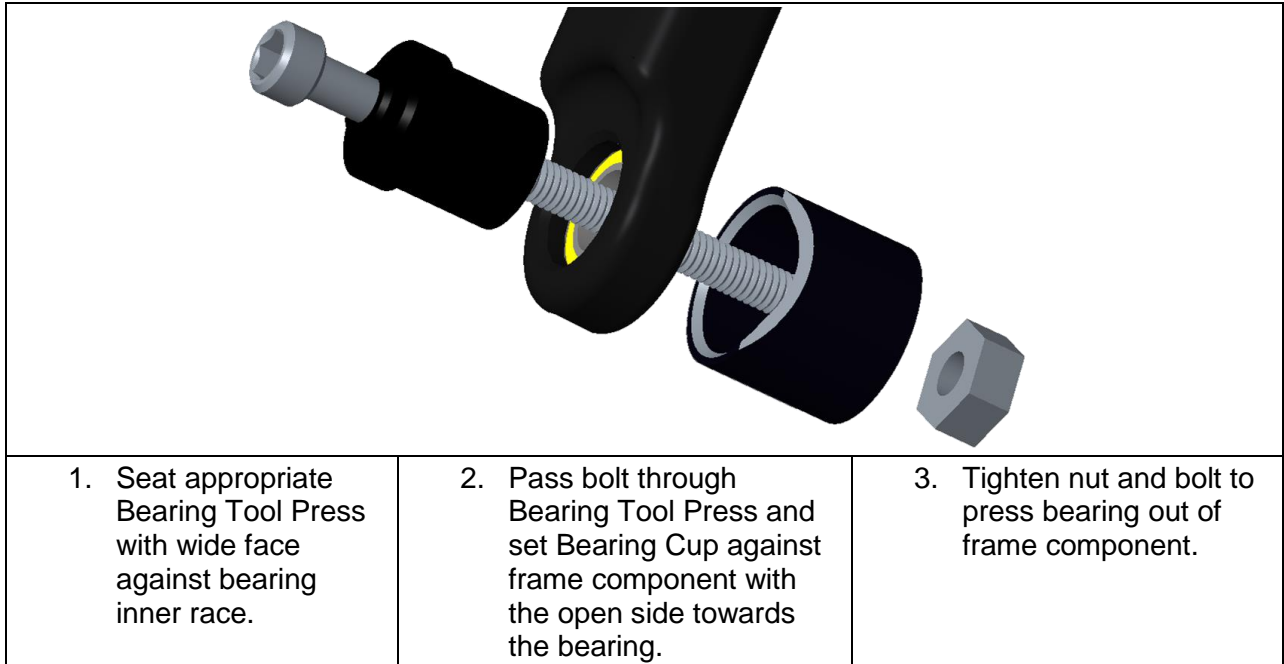


5. Slide M6 PipeLock Removal Tool into unthreaded, Non-Drive-Side PipeLock Axle (1806088) from drive-side.

6. Using a hammer, hit the M6 PipeLock Removal Tool to remove the Non-Drive-Side PipeLock Axle.

2) Bearing Removal

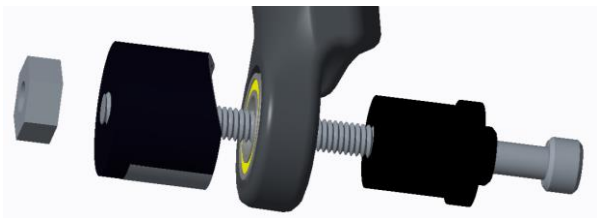
Note: This process is the same for all Pivots except the Main Pivot, which requires a blind puller.



TL-FT Bearing Removal (6903 Tool)



TL-SS Bearing Removal (DR11197 Tool)



Chain Stay Bearing Removal (DR11197 Tool)

