

**YETI**  
CYCLES



# **YETI SB165 OWNER'S MANUAL**

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# CONGRATULATIONS ON YOUR PURCHASE OF A NEW YETI.

We are confident your new bicycle will exceed your expectations for value, performance, and ride quality. Each frameset and component has been custom specified and designed to enhance your riding experience. Whether you are a beginner cyclist, or a seasoned pro, your Yeti bicycle will provide endless hours of two-wheeled fun.

This model specific manual is designed to be used in conjunction with the general Yeti Owner's Manual and the manuals supplied by the suspension manufacturers. If you did not receive the Yeti Owner's Manual or the manual provided by the suspension manufacturer, download the materials off the Internet, or contact your local dealer. Bicycling can be a hazardous activity even under the best of circumstances. Proper maintenance of your bicycle is your responsibility and when done properly helps reduce the risk of injury and damage to your bicycle. **The SB165 is made specifically for off-road use only.**

This manual outlines basic setup and maintenance recommendations of your new Yeti. It is impossible to anticipate every situation or condition that may occur during the assembly, setup, and maintenance of your bicycle, Yeti recommends that all service and repairs be performed by your local authorized Yeti Dealer.

This manual contains many "Warnings" and "Cautions" concerning the consequences of failure to maintain or inspect your bicycle. The word "Warning" indicates a potentially hazardous situation in which, if not avoided, could result in serious injury or death. The word "Caution" indicates a potentially hazardous situation in which, if not avoided may result in minor injuries or damage to your bicycle or a component of your bicycle. Be sure to read and understand all of the Warnings and Cautions listed in the manual.



**WARNING:** Make sure you review and understand the warnings, instructions, and content of this manual and accompanying manuals for your bicycle.

**WARNING:** Technological advances have made bicycles and bicycle components more complex and the pace of innovation is increasing. It is impossible for this manual or the accompanying manuals to provide all the information required to properly repair and/or maintain your bicycle. In order to help minimize the chances of an injury, it is critical for you to have work performed by an authorized Yeti retailer.

# THE LOWDOWN ON THE SB165 AND ITS FEATURES.

## FRAME FEATURES

### 1 SWITCH INFINITY TECHNOLOGY PATENTED SUSPENSION SYSTEM

The SB165 delivers 165mm of rear travel with our patented Switch Infinity technology. Efficient pedaling performance while still smooth and supportive when the going gets rough.

### 2 HIGH MODULUS CARBON FIBER MAIN FRAME AND SWING ARM

High modulus carbon provides a stiff, strong and light weight chassis.

### 3 COLLET AXLE SYSTEM ON PIVOTS REDUCES BEARING WEAR

Colleted pivot axles help create a stiff interface between the front and rear triangles of the frame. Custom Enduro Max sealed bearings keep things moving freely at the pivots.

### 4 OPTIMIZED FOR 1X DRIVETRAINS ONLY

The SB165 does away with the front derailleur mount, making it a 1x drive specific frame. This increases stiffness in the frame.

### 5 ISCG 05 CHAINGUIDE MOUNTS

ISCG 05 chain guide mounts are included on the SB165 if case you want to go for some extra drivetrain security in the rowdy sections.

### 6 INTEGRATED HEAD TUBE (41MM/52MM)

Using our integrated head tube on the SB165 allows for a larger head tube with more area, increased stiffness, and lower overall ride height without compromising any performance.

### 7 SUSPENSION BY FOX

The SB165 uses a custom tuned 230 x 65mm DHX2 shock by Fox Racing Shox.

### 8 CUSTOM DEBRIS AND CHAIN SLAP GUARDS

Custom guards on the seat stay, chain stay and down tube keep things quiet while riding and protect the frame.

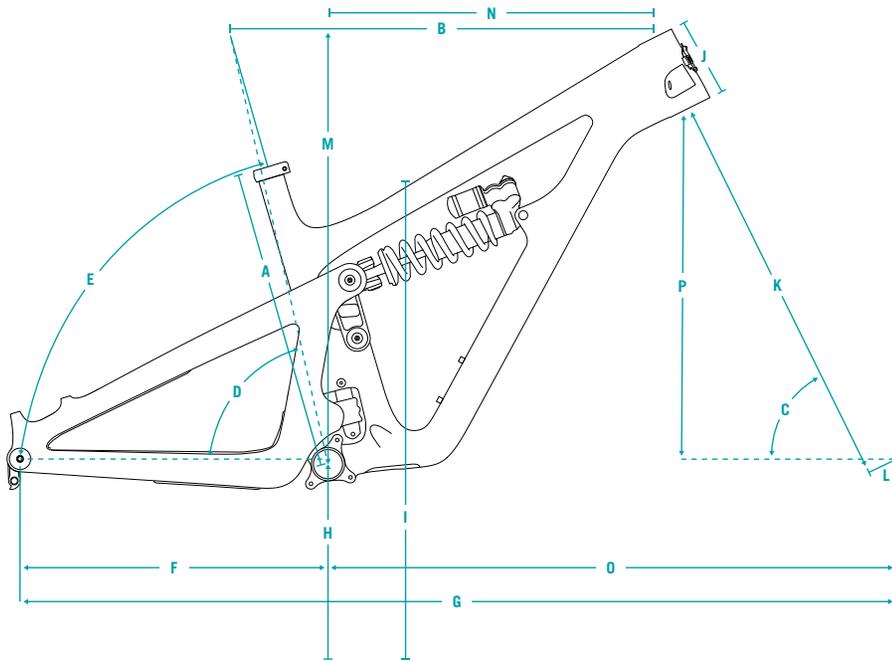
### 9 INTERNAL CABLE ROUTING

The SB165 features internal routing for all cables, making the bike quiet and clean looking as well as reducing cable rub on the paint.

### 10 INTEGRATED AXLE AND DERAILLEUR HANGER SYSTEM

Dedicated 12 x 148 Boost dropouts and integrated hanger with axle threads for strength, stiffness, ease of hanger and wheel installation.

# GEOMETRY SB165



|          | 180MM FORK               | SM   | MD   | LG   | XL   |
|----------|--------------------------|------|------|------|------|
| <b>A</b> | SEAT TUBE LENGTH         | 380  | 410  | 450  | 495  |
| <b>B</b> | EFF. TOP TUBE LENGTH     | 568  | 600  | 623  | 651  |
| <b>C</b> | HEAD TUBE ANGLE °        | 63.0 | 63.1 | 63.1 | 63.1 |
| <b>D</b> | EFF. SEAT TUBE ANGLE °   | 76.5 | 76.5 | 76.5 | 76.4 |
| <b>E</b> | ACTUAL SEAT TUBE ANGLE ° | 73.0 | 73.1 | 73.1 | 73.1 |
| <b>F</b> | CHAINSTAY LENGTH         | 433  | 433  | 433  | 433  |
| <b>G</b> | WHEELBASE                | 1202 | 1235 | 1260 | 1289 |
| <b>H</b> | ESTIMATED BB HEIGHT      | 348  | 348  | 348  | 348  |
| <b>I</b> | STANDOVER                | 714  | 720  | 727  | 750  |
| <b>J</b> | HEAD TUBE LENGTH         | 105  | 110  | 122  | 133  |
| <b>K</b> | FORK (AXLE TO CROWN)     | 580  | 580  | 580  | 580  |
| <b>L</b> | FORK (OFFSET)            | 37   | 37   | 37   | 37   |
| <b>M</b> | STACK                    | 598  | 604  | 614  | 624  |
| <b>N</b> | REACH                    | 425  | 455  | 475  | 500  |
| <b>O</b> | FRONT CENTER             | 769  | 801  | 826  | 856  |
| <b>P</b> | VERTICAL FORK TRAVEL     | 160  | 160  | 160  | 160  |

## FIT

|                |                                |
|----------------|--------------------------------|
| <b>SMALL</b>   | 5'1" (155 CM) – 5'7" (170 CM)  |
| <b>MEDIUM</b>  | 5'5" (165 CM) – 5'11" (180 CM) |
| <b>LARGE</b>   | 5'10" (178 CM) – 6'3" (191 CM) |
| <b>X-LARGE</b> | 6'1" (185 CM) – 6'7" (200 CM)  |

# FRAME STANDARDS

SB165 | OWNER'S MANUAL



|                       |                                     |
|-----------------------|-------------------------------------|
| TRAVEL                | 165MM                               |
| WHEEL SIZE            | 27.5"                               |
| FRAME SIZE            | SM, MD, LG, XL                      |
| REAR SHOCK            | 230MM X 65MM                        |
| BOTTOM BRACKET        | PF92                                |
| REAR WHEEL            | 148MM X 12MM (BOOST)                |
| SEATPOST              | 31.6MM                              |
| CHAINLINE             | 52.5MM                              |
| HEADSET               | INTEGRATED 41MM/52MM TAPERED        |
| REAR BRAKE POST MOUNT | 180MM                               |
| SHOCK HARDWARE        | FRONT: M8X36MM, REAR: CUSTOM INSERT |
| MIN/MAX CHAINRING     | 28T MIN/34T MAX                     |
| MIN MAX REAR ROTOR    | 180MM MIN/203MM MAX                 |
| AXLE SPEC             | 171MM M12X1.5                       |

# KEEP YOUR YETI FRESH AND CLEAN

## MAINTENANCE OVERVIEW

Following these guidelines will help maintain the performance of your bicycle and prevent more serious problems from arising. It is important to remember that service intervals can vary depending on climate, trail conditions and riding frequency. Servicing your bike requires special knowledge and tools. If you are unsure about working on your own bicycle, contact your authorized Yeti Dealer for more information on general bicycle maintenance.

| SCHEDULE  | BEFORE EACH RIDE | MONTHLY | 3 MONTHS | ANNUALLY |
|---|------------------|---------|----------|----------|
| Clean and lube chain  | ●                |         |          |          |
| Check tire pressure   | ●                |         |          |          |
| Clean bike of mud and debris                                  | ●                |         |          |          |
| Check brake function  | ●                |         |          |          |
| Ensure all cable ends are covered with crimped cable end caps | ●                |         |          |          |
| Check rims for deformations or cracks                         | ●                |         |          |          |
| Check for loose bolts and tighten, if necessary               |                  | ●       |          |          |
| Check headset and tighten/loosen, if necessary                |                  | ●       |          |          |
| Check / replace brake pads                                    |                  |         | ●        |          |
| Check tires for wear  |                  |         | ●        |          |
| Check spoke tension, retention, if necessary                  |                  |         | ●        |          |
| Check chain for wear, replace if necessary                    |                  |         | ●        |          |
| Complete tune-up performed by an authorized Yeti Dealer       |                  |         |          | ●        |

## TORQUE

Yeti strongly recommends using a torque wrench when assembling your frame. Torque specifications for individual parts on the SB165 are listed below, as well as in the step by step assembly instructions later in the manual. For general bicycle maintenance please consult the torque specifications of the component you are adjusting.

### KEY TORQUE SPECS

| PART #    | DESCRIPTION                        | TORQUE (Nm) |
|-----------|------------------------------------|-------------|
| 300040485 | MAIN PIVOT AXLE                    | 12          |
| 200020327 | SS PIVOT BOLT, FEMALE              | 16          |
| 300030296 | COLLET AXLE 30.5X10.5 M10X1.0      | 13          |
| 300040454 | COLLET WEDGE BOLT, LARGE           | 14          |
| 300030293 | LINK PIVOT HARDWARE, MALE, 15MM    | 15          |
| 300060073 | 12X148 DERAILLEUR HANGER           | 10          |
| 300030057 | SHCS M6X1.0 20L, SWITCH LINK MOUNT | 12          |
| 300040486 | COLLET WEDGE BOLT, SMALL           | 8           |
| 100425006 | SCREW, FH, M4 X 0.7, 25L           | 2.5         |
| 300030357 | AXLE, YETI BOLT ON, 12X148MM       | 12-15       |
| 300030151 | BOLT, TI MALE, M6 X 12.0 MM        | 10          |
| 200020311 | LOCKRING, 6902-2RS                 | 20          |

# FRAME ASSEMBLY

## YETI TIPS

Make sure your tools are in good condition. A worn allen key can round the hex on a bolt not allowing for proper torque.

Torque settings are listed throughout the instructions. It is important to prep all bolt threads. The instructions denote whether to use a Loctite compound or grease.

**WARNING:** Service on Yeti bicycles requires special knowledge and tools. Yeti Cycles recommends that all service and repairs be performed by an authorized Yeti Dealer.

## TOOLS NEEDED

- 3mm allen key
- 4mm allen key
- 5mm allen key
- 6mm allen key
- 10mm allen key
- Guide pin tool (or two)
- Cassette tool
- Torque wrench
- Grease
- Blue Loctite (243)



### 01

All the parts you'll need to get your SB165 frame assembled. Please refer to the exploded view later in this manual for more information.



### 02

Press the Shock Eyelet Spacer into the rear shock eyelet using an arbor press or vice.



### 03

Apply a light coat of grease to the threads of the Reat Triangle at the Seat Stay Pivots. Install 2x Bearing Lockring (200020311) with a cassette tool.

\*Torque to **20 Nm**



### 04

Slide 4x Washer (300030214) over 4x M6 Cap Screw (300030057) prepped with Blue 243 Loctite.

Insert the 4x Cap Screws into the frame and place a black Infinity Link washer on each bolt. Orient the washers such that the flat surfaces are facing the window in the frame where the Switch Infinity is mounted.



05

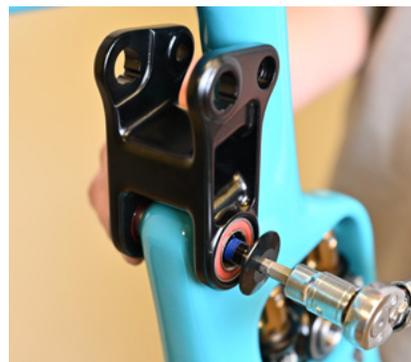
Install the Switch Infinity Link into the frame by rocking it into place over the bolts and black Switch Washers. The grease zerks should face the non-drive side. Tighten the 4x bolts by hand, then torque in a cross pattern.

\*Torque to **12 Nm**



06

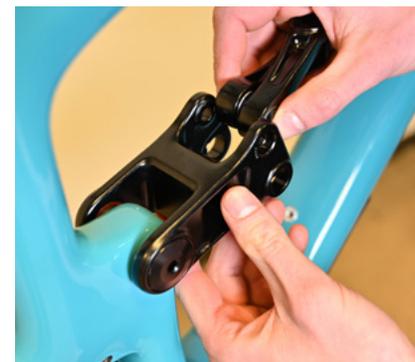
Grease shaft of the Link Pivot Female Bolt (200020328). Place the Link onto the Front Triangle as shown and secure with link Pivot female Bolt.



07

Install Male Link Pivot Bolt (300030293) prepped with Blue 243 Loctite into Link Pivot Female Bolt (200020328) as shown.

\*Torque to **15 Nm**



08

Apply a light coat of grease to the inner surfaces of 2x Extender Bearing Races (300040505). Place one each into the Upper and Lower Shock Extenders (200020322 and 200020323).

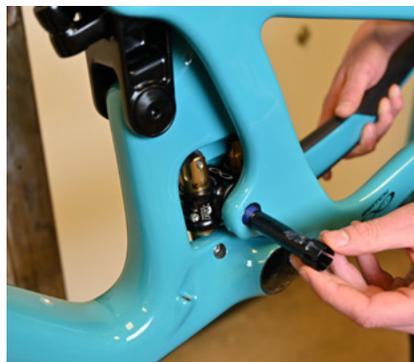
Place the Upper and Lower Extenders together so that the bearings touch in the middle. Orient the Upper threaded extender toward the top and slide into Link (200020321). Secure with a Guide Pin.



09

Slide a 41mm Titanium Female bolt with Washer (300030069) through the Link/Extender Assembly. Secure with a Ti Male Bolt (300030151) & Washer (300030062) prepped with Blue 243 Loctite.

\*Torque to **10 Nm**



10

Apply a light coat of grease to the Rear Triangle in the Main Pivot bores and grease shaft of Main Pivot Collet Axle (300040485) and prep threads with Blue 243 Loctite. Slide the Rear Triangle over the Switch Infinity Link and install Main Pivot Collet Axle (300040485) through assembly. Install Collet Nut (3000303285) and tighten Axle until any play is removed.

\*Torque to roughly **12 Nm**



11

Grease threads and wedge of Large Collet Wedge Bolt (300040454). Install into the Main Pivot Axle.

\*Torque to **14 Nm**



12

Grease shaft of 2x Seatstay Pivot Female Bolt (200020326).

Install one Seatstay Pivot Female Bolt (200020326) through the Rear Triangle and into the link.



13

Rotate Swingarm Forward and move Upper and Lower Shock Extenders out of the way.

Install one Keyed Bolt (200020327) prepped with Blue 243 Loctite from the inside of the link, threading the Female Bolt onto it. Draw the Keyed Bolt into assembly and make sure its key nests into the keyway on the Link bore.

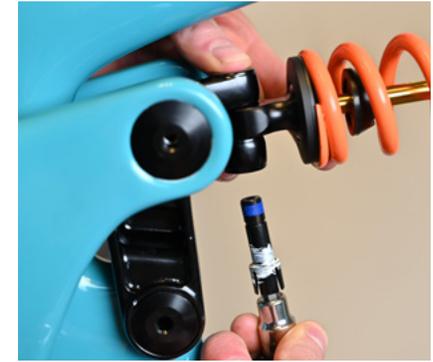
Repeat process on opposite side.

\*Torque to **16 Nm**



14

Open the Upper and Lower Shock Extenders and position the Shock into the frame, allowing it to sit between the two Extender jaws. Secure front eyelet with a Guide Pin.



15

Grease shaft of short Collet Axle (300030296) and prep threads with Blue 243 Loctite. Install from the Lower Extender through the Shock and threading into the Upper Extender.

\*Torque to **13 Nm**



16

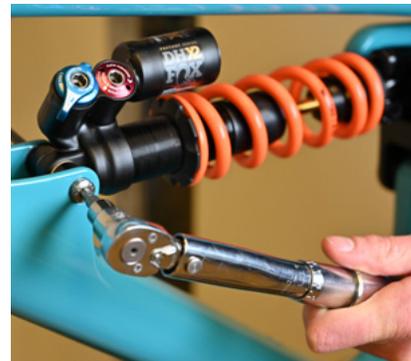
Grease threads and wedge of small Collet Wedge Bolt (300040486) and install into short Collet Axle.

\*Torque to **8 Nm**



17

Install 45mm Titanium Female Bolt (300030297) with Washer (300030069) through the front shock mount.



18

Secure front shock mount with Titanium Male Bolt (300030151) prepped with Blue 243 Loctite and Washer (300030062).

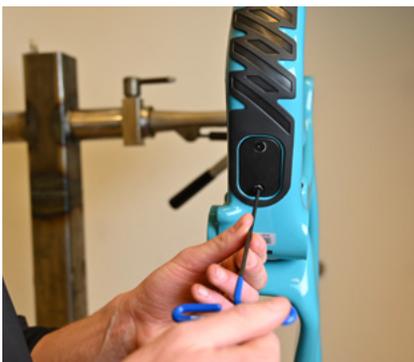
\*Torque to **10 Nm**



19

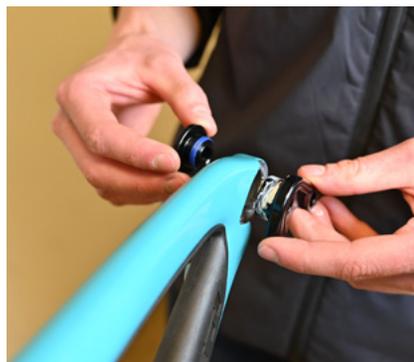
Install 2x Washer (300030148) onto 2x H20 Bolt (300030010) and grease threads. Install into front triangle and secure hand tight.

\*Torque to roughly **4 Nm**

**20**

Install Cable Port Cover (300040454) onto frame with 2x Flat Head Bolt (300030299).

\*Torque to **3-4 Nm**

**21**

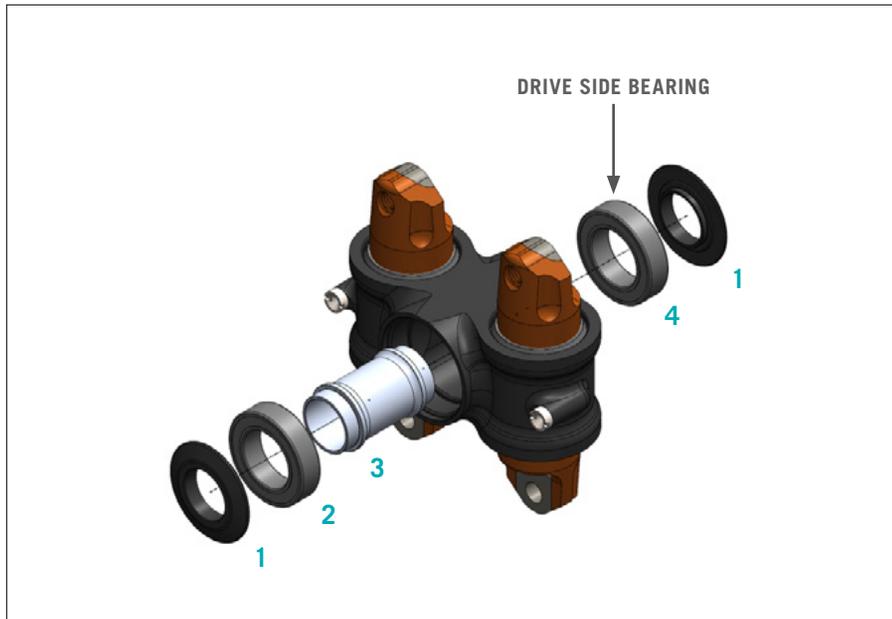
Grease outer surface of Derailleur Hanger (300060073). Install into Rear Triangle and secure with hanger Cap (300060075).

Note: Hanger is reverse threaded

\*Torque to **10 Nm**

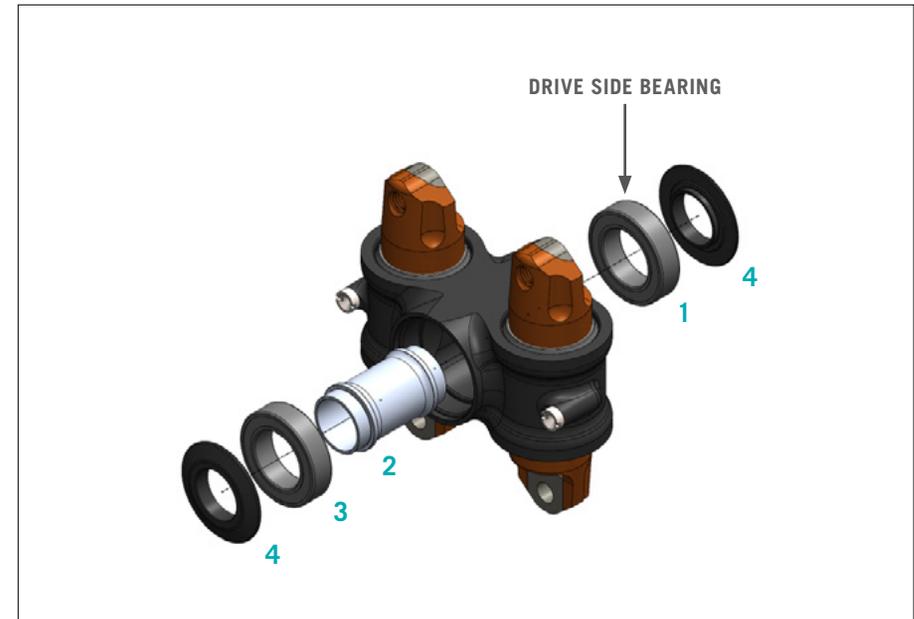
# SWITCH INFINITY V2 BEARING ASSEMBLY

## BEARING REMOVAL



- 1 Remove dust caps on the outside of the bearings.
- 2 Remove non-drive side bearing.
- 3 Remove axle sleeve from drive side bearing.
- 4 Remove drive side bearing.

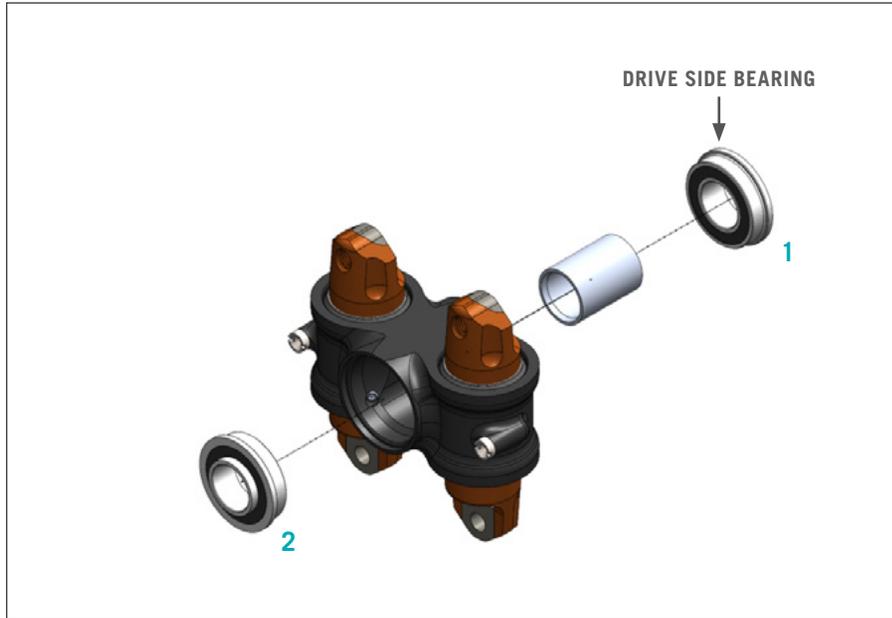
## BEARING INSTALL



- 1 Press drive side bearing into Switch Infinity body.
- 2 Slide axle sleeve into drive side bearing.
- 3 Press non-drive side bearing onto sleeve.
- 4 Replace bearing caps.

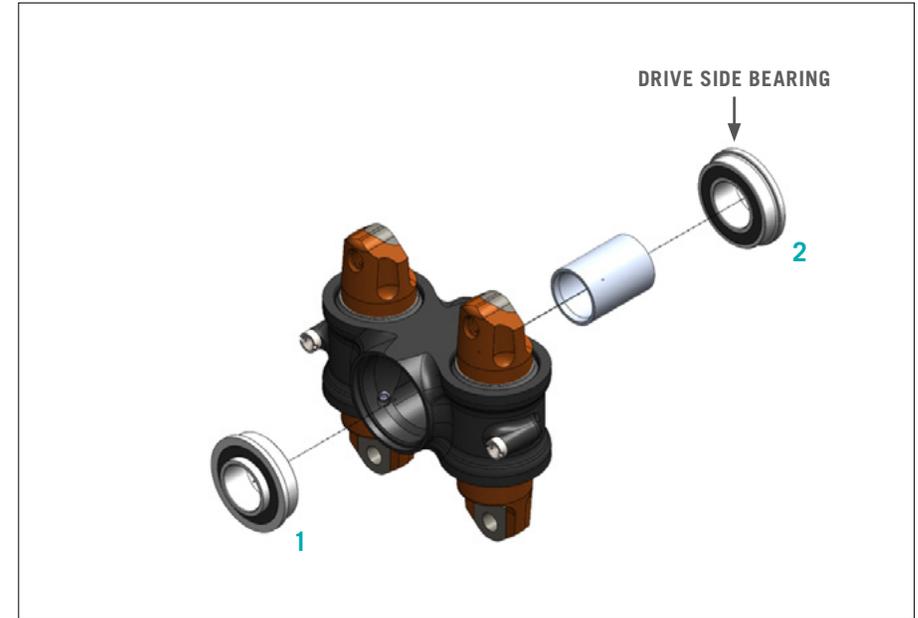
# SWITCH INFINITY V1 BEARING ASSEMBLY

## BEARING REMOVAL



- 1 Remove drive side bearing and axle sleeve
- 2 Remove non-drive side bearing

## BEARING INSTALL



- 1 Press non-drive side bearing into switch infinity housing (ensure extended race is facing outward from switch infinity body).
- 2 Place axle sleeve in body and press drive side bearing into housing

# SEAT POST SET-UP

## STANDARD ROUTING SET-UP



01

With a 3mm allen key, remove the lower cable port access cover near the bottom bracket.



02

Install your seatpost housing into the head tube port, pushing until it exits near the lower cable port access hole.



03

Use your finger to help push the housing around the bend in the frame up into the seat tube.



04

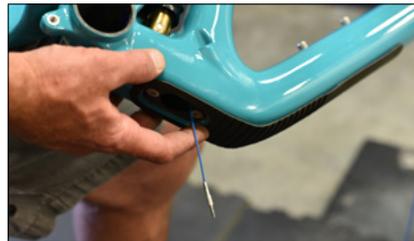
While pushing the housing into the head tube port, continue pushing the cable up the seat tube through the access port until the housing exits the seat tube.

## PARK TOOL SETUP



01

Remove the lower cable port access cover with a 3mm allen key.



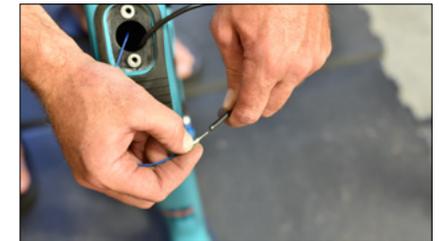
02

Drop a Park Tool Router tool down the seat tube until it exits the access port.



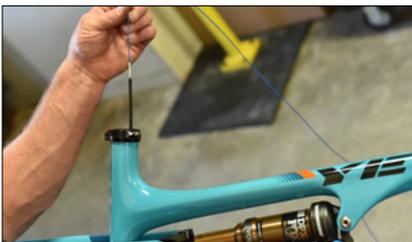
03

Push your seatpost housing into the frame from the headtube port until it exits near the access port.



04

Outside of the access port, connect the Park router tool to the housing.



05

Pull router tool back through the frame until your housing exits the seat tube.

## HYDRAULIC SETUP



01

Route a section of shifter housing through the frame using the steps described in Standard Setups. Connect the double-barb to the shifter housing and the seatpost housing at the seat tube.

## BRAKE

Push the brake line into the frame starting at the rear triangle, feeding it forward to the ports into the front triangle and out the head tube.



02

Push your seatpost housing into the frame from the headtube port until it exits near the access port.

## SHIFTER

Outside of the access port, connect the Park router tool to the housing.

# SWITCH INFINITY SERVICE



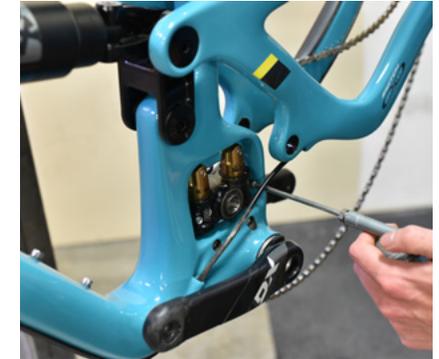
**01**  
With a 5mm allen wrench, remove the main pivot Collet Wedge Bolt.



**02**  
With a 10mm allen wrench, remove the Main Pivot Collet Axle. The Collet Nut on the drive side can remain in the frame.



**03**  
Rotate your swingarm upwards to access both grease zerks and expose the whole Switch Infinity link. With a clean rag and mild detergent, clean any mud, dust, or debris off the Switch Infinity Link.



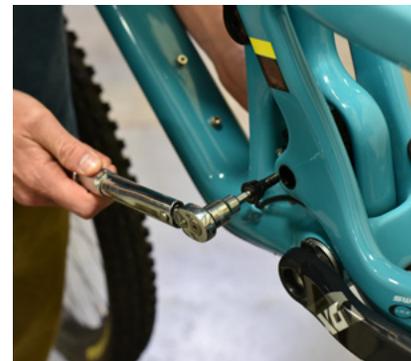
**04**  
Using a needle-type grease gun, push new grease into the two Switch Infinity grease ports until you see grease extruding from the shaft seals.



**05**  
Wipe off any excess grease that was pushed out of the seals.



**06**  
Lower the swingarm and re-install your Main Pivot Collet Bolt prepped with Blue 243 Lcotite.  
Torque: **11 Nm**



**07**  
Install the Main Pivot Collet Wedge and torque to **14 Nm**.

# DROPPER POST INSERTION GUIDE

Droppers are an essential tool for the modern mountain bike but proper clearance checks are required before heading out for your first ride.

The key checks are as follows:

Ensure your dropper is short enough to fit into the seat tube without interfering with the frames structure but you are still able to achieve your desired BB-Saddle measurement. See the max insertion depth chart to confirm this distance for wired and wireless posts.

There are some scenarios where you can fit a longer dropper in your frame but when you drop your dropper the saddle or battery for AXS posts could interfere with your tire during a suspension compression. See the Min BB-Saddle at full drop to confirm this distance.

Always perform a final check to ensure your post is installed to at least the minimum insertion line. Also, compress the dropper and suspension, let the air out of your shock, to ensure there is no tire interference to the saddle or AXS battery at full bottom out.

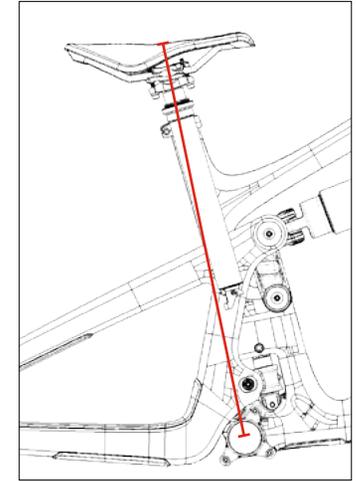
We strive to spec out dropper lengths to provide the maximum drop for the highest percentage of our riders. There is a wide range of saddle heights for every frame size. There is a possibility saddle height could fall outside of this range. A small percentage of customers might find they require a shorter or longer post given their saddle height.

Please ensure you check the minimum dimensions in the below tables before going for your first ride. Failure to do so could result in tire to saddle rub or tire to battery contact for AXS posts.

Please confirm both of these measurements, they are both required to ensure proper dropper fitment.

If you have any questions, please contact Yeti or your local bike shop.

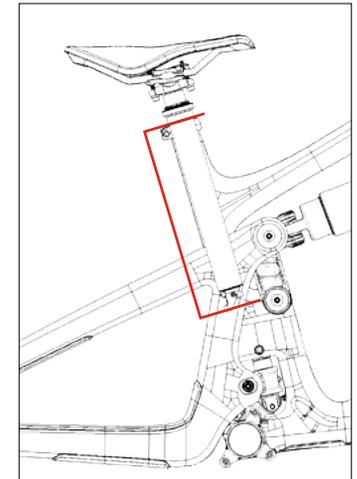
| MINIMUM BB TO SADDLE CABLED DROPPER (MM)* |         |         |
|---|---------|---------|
| FRAME SIZE                                | SMALL   | 490.0** |
|   | MEDIUM  | 554.4** |
|   | LARGE   | No min  |
|   | X-LARGE | No min  |



\*These measurements are only for cabled droppers. Please make sure if you have a wireless post you confirm that there is not any interference of the tire hitting the battery when the post is fully dropped and the suspension is fully compressed.

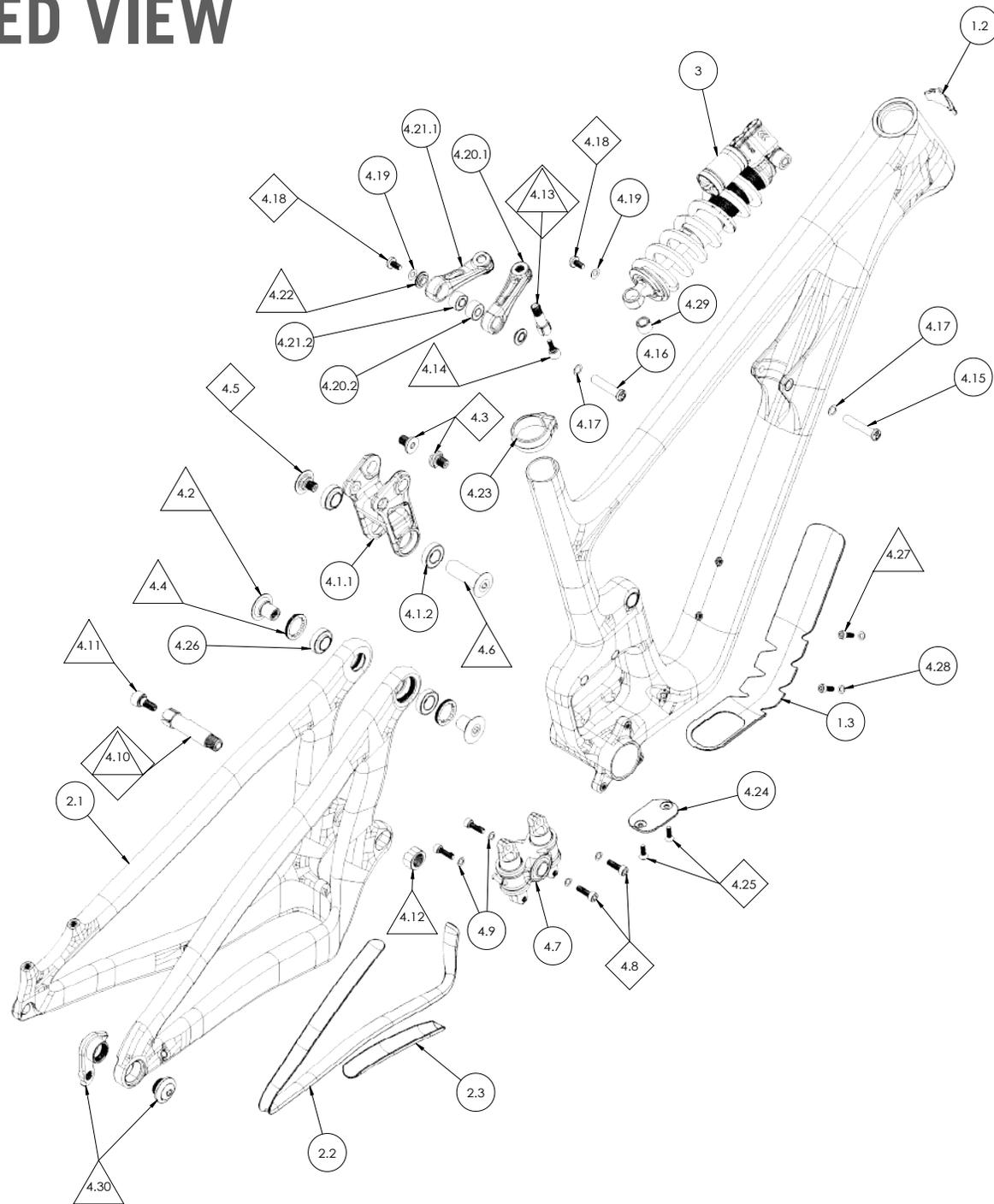
\*\*If you go lower then listed minimum you run the risk of tire to saddle interference.

| MAX INSERTION WIRELESS DROPPER (MM)* |         |       |
|--------------------------------------|---------|-------|
| FRAME SIZE                           | SMALL   | 252.7 |
|                                      | MEDIUM  | 282.8 |
|                                      | LARGE   | 323.0 |
|                                      | X-LARGE | 368.1 |

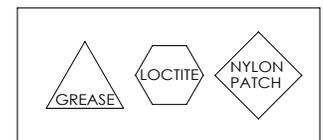


\*Subtract 34mm for a cabled dropper to accommodate housing bend angle.

# EXPLODED VIEW



## PREP KEY



# EXPLODED VIEW PARTS LIST

| ITEM #   | PART #    | DESCRIPTION                               | TORQUE (NM) | QTY      |
|----------|-----------|---|-------------|----------|
| <b>1</b> |           | <b>SB165 FRONT TRIANGLE ASSEMBLY</b>      |             | <b>1</b> |
| 1.1      |           | SB165 FRONT TRIANGLE ASSEMBLY             |             | 1        |
| 1.2      | 300070006 | ICE AXE HEAD BADGE                        |             | 1        |
| 1.3      | 400100186 | DT PROTECTOR                              |             | 1        |
| <b>2</b> |           | <b>SB165 SWINGARM ASSEMBLY</b>            |             | <b>1</b> |
| 2.1      |           | SB165 SWINGARM                            |             | 1        |
| 2.2      | 400100200 | SB165 PROTECTOR CS/SS                     |             | 1        |
| 2.3      | 400100201 | SB165 PROTECTOR CS - LOWER                |             | 1        |
| <b>3</b> |           | <b>SB165 SHOCK SUB ASSEMBLY</b>           |             | <b>1</b> |
| <b>4</b> |           | <b>SB165 SMALL PARTS ASSEMBLY</b>         |             | <b>1</b> |
| 4.1      |           | SB165 LINK SUB-ASSEMBLY                   |             | 1        |
| 4.1.1    | 300040506 | SB165 LINK                                |             | 1        |
| 4.1.2    | 300020052 | BEARING 6902-2RS EXTENDED, 15 X 28 X 7/10 |             | 2        |
| 4.2      | 200020326 | BOLT, SS PIVOT, FEMALE                    |             | 2        |
| 4.3      | 200020327 | LINK PIVOT HARDWARE, KEYED, LONG          |             | 2        |
| 4.4      | 200020311 | LOCKRING, 6902-2RS                        |             | 2        |
| 4.5      | 300030293 | LINK, PIVOT HARDWARE, MALE, 15MM          |             | 1        |
| 4.6      | 200020328 | STUD, LINK BEARING, FEMALE, 15MM          |             | 1        |
| 4.7      | 200020201 | SWITCH INFINITY G1 MECHANISM              |             | 1        |
| 4.8      | 300030057 | BOLT, M6 X 1.0, 20L                       |             | 4        |
| 4.9      | 300030214 | WASHER 6.3X10X1 MM                        |             | 4        |
| 4.10     | 300040485 | COLLET AXLE 15MM                          |             | 1        |
| 4.11     | 300040454 | COLLET WEDGE SUB-ASSEMBLY 15MM            |             | 1        |
| 4.11.1   | 300030268 | COLLET BOLT M8 X 1.25                     |             | 1        |
| 4.11.2   | 300030267 | COLLET WEDGE 15MM                         |             | 1        |
| 4.11.3   | 300040450 | SPIRAL RETAINING RING 0.37 X 0.349 INCHES |             | 1        |
| 4.12     | 300030285 | COLLET NUT M15 X 1.5                      |             | 1        |
| 4.13     | 300030296 | COLLET AXLE 30.5 X 10.5 M10 X 1.0         |             | 1        |

|        |           |   |  |   |
|--------|-----------|---|--|---|
| 4.14   | 300040486 | COLLET WEDGE SUB-ASSEMBLY 10 MM           |  | 1 |
| 4.14.1 | 300030284 | COLLET BOLT M5 X .8                       |  | 1 |
| 4.14.2 | 300030283 | COLLET WEDGE 10MM                         |  | 1 |
| 4.14.3 | 300040482 | SPIRAL RETAINING RING 0.25 X 0.22 INCHES  |  | 1 |
| 4.15   | 300030297 | BOLT MASTER, TI FEMALE, 8 X 45.0          |  | 1 |
| 4.16   | 300030298 | BOLT MASTER, TI FEMALE, 8 X 41.0          |  | 1 |
| 4.17   | 300030069 | WASHER 8.5 X 12.5 X 0.5 MM                |  | 2 |
| 4.18   | 300030151 | BOLT, TI MALE, M6 X 12.0 MM               |  | 2 |
| 4.19   | 300030062 | WASHER 6.5 X 12.5 X0.5 MM                 |  | 2 |
| 4.20   | 200020322 | ASSEMBLY SHOCK EXTENDER TOP (60MM)        |  | 1 |
| 4.20.1 | 300040502 | SHOCK EXTENDER TOP (60MM)                 |  | 1 |
| 4.20.2 | 300020032 | BEARING, 398 MAX DBL, 8X19X10/11          |  | 1 |
| 4.21   | 200020323 | ASSEMBLY SHOCK EXTENDER, BOTTOM (60MM)    |  | 1 |
| 4.21.1 | 300040503 | SHOCK EXTENDER BOTTOM (60MM)              |  | 1 |
| 4.21.2 | 300020032 | BEARING, 398 MAX DBL, 8X19X10/11          |  | 1 |
| 4.22   | 300040505 | SHOCK EXTENDER BEARING EXTENSION          |  | 2 |
| 4.23   | 300060078 | ASSEMBLY YETI SEAT CLAMP - BOLT ON 31.6   |  | 1 |
| 4.23.1 |           | COLLAR, BOLT ON, YETI SEAT CLAMP, 31.6    |  | 1 |
| 4.23.2 |           | BARREL NUT, YETI SEAT CLAMP, BOLT ON      |  | 1 |
| 4.23.3 | 300030010 | BOLT, M5 X 0.8, 16L                       |  | 1 |
| 4.24   | 300040504 | CABLE PORT COVER                          |  | 1 |
| 4.25   | 300030299 | BOLT, FLAT HEAD, M5 X 0.8 X 16            |  | 2 |
| 4.26   | 300020052 | BEARING 6902-2RS EXTENDED, 15 X 28 X 7/10 |  | 2 |
| 4.27   | 300030010 | BOLT, M5 X 0.8. 16L                       |  | 2 |
| 4.28   | 300030148 | WASHER 5.1 X 8.9 X 1.0 MM                 |  | 1 |
| 4.29   | 300030300 | SHOCK EYELET SPACER                       |  | 1 |
| 4.30   | 300060073 | 12 X 148 HANGER KIT G3                    |  | 1 |

# REBUILD KITS

| PART #           | DESCRIPTION                            | QTY |
|------------------|--|-----|
| <b>200020333</b> | <b>SB165 MASTER REBUILD KIT</b>        |     |
| 200020311        | LOCKRING, SS PIVOT                     | 2   |
| 200020322        | SHOCK EXTENDER 60MM TOP W/BEARING      | 1   |
| 200020323        | SHOCK EXTENDER 60MM BOTTOM W/BEARING   | 1   |
| 200020326        | BOLT, SS PIVOT, FEMALE                 | 2   |
| 200020327        | LINK PIVOT HARDWARE, KEYED, LONG       | 2   |
| 200020328        | STUD, LINK BEARING, FEMALE 15MM, 48.5L | 1   |
| 300020045        | BEARING F6902 2RS 28X15X 7 OUT         | 2   |
| 300020052        | BEARING 6902 LLU MAX-E                 | 4   |
| 300030057        | BOLT CAP M6X1X20                       | 4   |
| 300030062        | WASHER SS 6.5MM ID 12.5MM              | 2   |
| 300030069        | WASHER SS 8.5MM ID 12.5MM              | 2   |
| 300030151        | BOLT-TI-MALE M6X12MM                   | 2   |
| 300030214        | WASHER 10 X 6.2 X 1                    | 4   |
| 300030285        | COLLET AXLE NUT M15X1.5X12             | 1   |
| 300030293        | AXLE, MALE, 15MM X 16MM, M10X1.0       | 1   |
| 300030296        | COLLET AXLE 30.5X10.5 M10X1.0          | 1   |
| 300030297        | BOLT MASTER, TI FEMALE, 8 X 45.0       | 1   |
| 300030298        | BOLT MASTER, TI FEMALE, 8 X 41.0       | 1   |
| 300030299        | BOLT, FLAT HEAD, M5 X 0.8 X 16         | 2   |
| 300030300        | SHOCK EYELET SPACER                    | 1   |
| 300040454        | COLLET-WEDGE ASSEMBLY GEN2             | 1   |
| 300040485        | AXLE COLLET 15X52.5SX13T               | 1   |
| 300040486        | COLLET-WEDGE ASSEMBLY - M10            | 1   |
| 300040504        | CABLE PORT COVER                       | 1   |
| 300040505        | SHOCK EXTENDER BEARING EXTENSION       | 2   |

|                  |  |   |
|------------------|--|---|
| <b>200020334</b> | <b>SB165 HARDWARE KIT</b>              |   |
| 200020311        | LOCKRING, SS PIVOT                     | 2 |
| 200020322        | SHOCK EXTENDER 60MM TOP W/BEARING      | 1 |
| 200020323        | SHOCK EXTENDER 60MM BOTTOM W/BEARING   | 1 |
| 200020326        | BOLT, SS PIVOT, FEMALE                 | 2 |
| 200020327        | LINK PIVOT HARDWARE, KEYED, LONG       | 2 |
| 200020328        | STUD, LINK BEARING, FEMALE 15MM, 48.5L | 1 |
| 300030057        | BOLT CAP M6X1X20                       | 4 |
| 300030062        | WASHER SS 6.5MM ID 12.5MM              | 2 |
| 300030069        | WASHER SS 8.5MM ID 12.5MM              | 2 |
| 300030151        | BOLT-TI-MALE M6X12MM                   | 2 |
| 300030214        | WASHER 10 X 6.2 X 1                    | 4 |
| 300030285        | COLLET AXLE NUT M15X1.5X12             | 1 |
| 300030293        | AXLE, MALE, 15MM X 16MM, M10X1.0       | 1 |
| 300030296        | COLLET AXLE 30.5X10.5 M10X1.0          | 1 |
| 300030297        | BOLT MASTER, TI FEMALE, 8 X 45.0       | 1 |
| 300030298        | BOLT MASTER, TI FEMALE, 8 X 41.0       | 1 |
| 300030299        | BOLT, FLAT HEAD, M5 X 0.8 X 16         | 2 |
| 300030300        | SHOCK EYELET SPACER                    | 1 |
| 300040454        | COLLET-WEDGE ASSEMBLY GEN2             | 1 |
| 300040485        | AXLE COLLET 15X52.5SX13T               | 1 |
| 300040486        | COLLET-WEDGE ASSEMBLY - M10            | 1 |
| 300040504        | CABLE PORT COVER                       | 1 |
| 300040505        | SHOCK EXTENDER BEARING EXTENSION       | 2 |
| <b>200020335</b> | <b>SB165 BEARING REBUILD KIT</b>       |   |
| 300020032        | BEARING 398 2RS MAX DBL ROW            | 2 |
| 300020045        | BEARING F6902 2RS 28X15X - OUT         | 2 |
| 300020052        | BEARING 6902 LLU MA-E                  | 4 |

| <b>PART #</b>    | <b>DESCRIPTION</b>              | <b>QTY</b> |
|------------------|---------------------------------|------------|
| <b>200020039</b> | <b>SB165 PORT COVER KIT</b>     |            |
| 300030299        | BOLT, FLAT HEAD, M5 X .08 X 16  | 2          |
| 300040504        | CABLE PORT COVER                | 1          |
| <b>400100196</b> | <b>SB165 GEN1 PROTECTOR KIT</b> |            |
| 400100186        | UNIVERSAL DT PROTECTOR          | 1          |
| 400100198        | SB165 CS/SS PROTECTOR           | 1          |
| 400100199        | SB165 CS LOWER PROTECTOR        | 1          |

# FREQUENTLY ASKED QUESTIONS (1 OF 2)

## WHAT IS THE DIFFERENCE BETWEEN THE TURQ AND CARBON SERIES SB165?

TURQ Series bikes are manufactured with the highest quality and best-performing carbon fiber available and offer the perfect balance of stiffness, durability, and compliance. The result is a bike that feels smooth, solid and aggressive. Carbon series bikes use a modified carbon fiber layup of our TURQ Series bikes. By using different materials and tweaking the fiber layup, we are able to make a more aggressively priced carbon high-performance mountain bike while maintaining the strength and stiffness of its higher end sibling. The carbon series SB165 weighs a bit more, about 195g for a frame.

## WHAT IS SWITCH INFINITY TECHNOLOGY AND HOW DOES IT WORK?

Switch Infinity utilizes a patented translating pivot that automatically switches direction as the bike moves through its travel. This provides excellent anti-squat characteristics for superior pedaling performance and ideal suspension characteristics as it gets deeper into the travel. Inside are a pair of greased bushings that slide up and down on two Kashima coated rails – it's not an extra shock that needs to be filled with air. Just keep it greased and wiped clean per our maintenance recommendations below.

## DOES THE SWITCH INFINITY SYSTEM REQUIRE MAINTENANCE?

The fully sealed SWITCH INFINITY mechanism has external grease ports to lube the bushings and seals. Yeti and development partner Fox Racing Shox recommend a lubrication interval of 40 hrs of riding. It is important not to over lube the system and adhere to the recommended interval. It also doesn't hurt to wipe off any excess dust and dirt that may accumulate throughout the week. Any maintenance supplies you need can be found on our webstore or at your local dealer.

For detailed maintenance information, please visit <https://www.ridefox.com/fox17/help.php?m=bike&id=465>

## CAN I REPLACE OR MODIFY ANY YETI FRAME PARTS ON MY SB165?

All replacement frame parts for your SB165 can be found through your local dealer or on our webstore. Only genuine Yeti parts should be used when replacing any parts on your frame. We know there are a lot of aftermarket products out there that seem legit but we do not have the ability to qualify and ensure all of these products are safe to use on our frames. If it is found that any frame part has been modified or replaced all warranties will be voided and all liability will be assumed by the customer.

## CAN I CHANGE OR UPGRADE THE SPEC COMPONENTS ON MY SB165?

There are many options in aftermarket parts to upgrade or personalize your bike. Some parts are standardized, especially from the big brands like Fox, Shimano, SRAM etc. You should always confirm with a professional mechanic that your parts are the correct standard and correctly and securely mount to your bike without any interference or play. Pay special attention to all the bikes standards and check the fit before use.

## CAN I USE AN ANGLESET ON THE SB165?

The SB165 was designed with an integrated headset which has the headset cups molded into the frame so you can easily drop the bearings into the cups. There are some aftermarket angle-sets available for this style headset however the frame was not tested for the use of these and therefore should not be used. Yeti's warranty will be voided if it is found an angleset was installed on the frame and all liability will be assumed by the customer. See "What travel fork is the SB165 designed to use" for more information.

## WHAT TRAVEL FORK IS THE SB165 DESIGNED TO USE?

The SB165 is designed to run a 180mm travel fork. We tested this frame to 20mm over the spec fork. So if you're feeling the need to beef up the fork you can run up to a 200mm fork no problem. Bottom line - max axle to crown measurement of 599mm. Increasing your fork travel will slacken the head angle and seat tube angle and raise the bottom bracket. Running a shorter fork is fine too if that suits you. Shortening the fork will steepen the head angle and seat tube angle and lower the bottom bracket. For more geometry information, check out the geometry section.

## HOW BIG OF A TIRE CAN I FIT ON THE SB165?

The short answer is the SB165 can accept up to a 2.6" tire. There is great tire clearance on the SB165 but tire sizes vary widely by manufacturers, so it is hard to give a number that works for all brands.

## CAN I FIT A WATER BOTTLE INSIDE THE FRONT TRIANGLE?

Yes, we designed the SB165 to accommodate a standard sized water bottle inside the front triangle with a piggy-back shock. We recommend using a side-entry cage for easiest access.

## WHAT CRANKS AND BOTTOM BRACKET CAN I USE ON THE SB165?

The SB165 bottom-bracket standard is PF92 [92mm] and only wide "q" factor cranks are compatible. It is readily compatible with Shimano, SRAM, and RaceFace cranks, but a fit check is required for other brands.

## WHAT REAR WHEEL AXLE FITS ON MY SB165?

The SB165 is designed to work exclusively with a Yeti or Shimano 148mm X 12mm E-Thru rear axle. The frame's rear triangle has been optimized for stiffness and weight with these specific axles.

## WHAT TYPE OF HEADSET DOES THE SB165 USE?

The SB165 uses an Integrated 41mm/52mm tapered headset. This system allows for the headset bearings to be contained inside the head tube for an overall lower ride height, more simplified installation, and increased stiffness.

# FREQUENTLY ASKED QUESTIONS (2 OF 2)

## HOW BIG OF A ROTOR WILL FIT ON THE FRAME?

The SB165 has a direct mount rear brake tab and can run a 180mm rotor without the need for a brake adaptor. With the use of a brake adaptor the frame can accept up to a 203mm rotor.

## CAN I RUN A STEALTH SEATPOST DROPPER ON THE SB165?

Yes. The SB165 has routing options for stealth only.

## WHAT CHAINLINE WAS THE SB165 DESIGNED AROUND?

The SB165 was designed around a Boost chainline. Depending on the crank and chain ring configuration you can run other chainlines but you will have to do a clearance check first.

## WHAT IS THE MAX SIZE SINGLE-CHAINRING THAT FITS ON THE SB165?

Without getting too technical, the max chainring size depends on the crank chainline and the chainring shape. Shimano / SRAM Boost cranks: 34t round / 32t oval RaceFace / 52mm chainline Cranks: 34t round / 32t oval Minimum Chainring Size: 28t round / 30t oval.

Confused? Ask your local dealer or call us 303.278.6909.

## DOES THE SB165 HAVE ISCG MOUNTS?

Yes. The SB165 has integrated ISCG '05 mounts. It is designed to work best with low-profile modern guides; depending on the brand, some older models with larger upper guides may not fit. We always recommend performing a fit-check with a specific chainguide to confirm compatibility.

## WHAT TYPE OF SHOCK DOES THE SB165 USE?

The SB165 uses a 230 x 65mm coil-sprung shock.

## WHAT TYPE OF SHOCK HARDWARE DOES THE SB165 USE?

The SB165 uses M8x36mm hardware on the reservoir side and a custom Yeti reducer on the shaft side. If you swap between shocks, the reducer can be found here, <https://www.yeticycles.com/gear/parts/shock-eyelet-spacer>

## CAN I PUT A COIL SHOCK ON MY SB165?

Yes, the SB165 is designed to be compatible with both air and coil-sprung shocks. However, the suspension's progression rate is higher than other models to work best with a coil shock or high volume air shock.

## WHAT PERCENTAGE SAG DO YOU RECOMMEND FOR THE SB165?

Choose the spring rate that gets you as close to 30% sag as possible. The spring rate supplied with the frame will be optimal for most riders for that frame size. However, depending on your specific needs, additional spring rates can be purchased through your local bike shop or FOX distributor. Have a look at our online suspension setup page to determine which spring rate may work best for you.

Visit our shock set up page to help set up your suspension, <https://shocksetup.yeticycles.com/calculator>

## WHAT SIZE SEAT POST DOES THE SB165 USE?

The SB165 uses a 31.6mm seat post.

## WHAT SIZE SEAT COLLAR DOES THE SB165 USE?

The SB165 uses a 36.4mm seat collar.

## WHAT IS THE WARRANTY ON MY SB165?

The SB165 has a LIFETIME manufacturer's warranty.

## WHAT IS THE LONGEST TRAVEL DROPPER POST I CAN RUN ON THE SB165?

This is mostly defined by your inseam. You can run any travel as long as you are above the minimum insert mark and you are not so low your tire rubs on your saddle or your dropper bottoms out in the frame. Your local Yeti dealer can help you sort this out. We run 125mm drop on SM frames, 150mm drop on MD and a 200mm drop on LG-XL.

## CAN I CONVERT THIS BIKE INTO A "MULLET" BIKE AND PUT A 27.5" WHEEL ON REAR OF THE SB165?

Yes but it does change the GEO quite a bit. Headtube angle and seat tube angle gets slacker and the bottom bracket gets higher. Some people will like these changes and some won't but that is up to you to decide.

## WHAT LENGTH SPRING WILL FIT ON THE SB165?

The SB165 can fit any spring up to the maximum TLG of 6.20in/ 157.6mm. The spring rate will be determined by your riding weight and riding style.

## WHAT HEADSET TOP CAP DOES THE SB165 USE?

The SB165 uses a 51mm top cap rather than the standard cap diameter. We use this larger cap because the SB165 is tested to Yeti's more rigorous DH test standards which require a larger HT wall thickness.

# LIFETIME WARRANTY

## HERE'S EVERYTHING YOU NEED TO KNOW ABOUT OUR LIFETIME WARRANTY:

All 2019 (or newer) frames, including the Switch Infinity, are covered for life against damage due to manufacturing defects for the original purchaser. Paint and finish are covered for 1-year. We will repair or replace, at our discretion, any frame we deem defective. There are a few conditions: you must register it online at [yeticycles.com](http://yeticycles.com) and you must take it to an authorized Yeti Cycles dealer for processing. Warranty does not cover damage due to ordinary wear and tear, neglect or intentional destruction. From a slingshot or your truck.

If you happen to have a crash or non-warranty situation, we'll get you back on the trail with a reasonable replacement price. Same conditions as above.

Lifetime Warranty applies to all 2019 and newer frames (including the SB100). Model year 2018 and older frames will be covered under our previous warranty (5-year or 2-year based on time of purchase).

Simple as that. No fine print.

## DISCLAIMER

Yeti Cycles is not responsible for any damages to you or others arising from riding, transporting or other use of your bicycle. In the event that your frame breaks or malfunctions, YETI Cycles shall have no liability or obligation beyond the repair or replacement of your frame pursuant to the terms outlined in the warranty.

\*If you have a warranty concern, please contact your authorized Yeti Cycles dealer.

## YETI CYCLES

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## BUSINESS HOURS

Monday-Friday  
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1:00PM-5:30PM (MST)