



DH-9 downhill nine

TECHNICAL guide

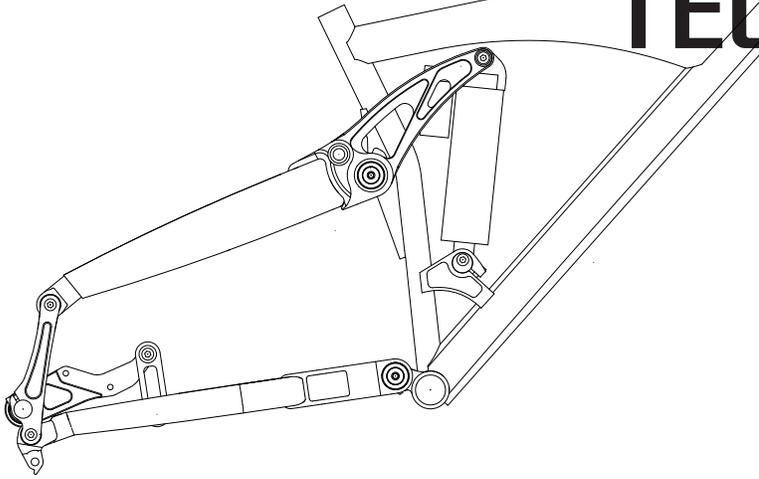


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TOOLS of the TRADE *yeti-style*

- > DEAD BLOW HAMMER
- > ADJUSTABLE WRENCH
- > 5MM T HANDLE
- > 4MM T HANDLE
- > 6MM ALLEN KEY
- > 5MM ALLEN KEY
- > 4MM ALLEN KEY
- > DICKEY TOOL or 8MM ALLEN KEY

- > SHORTLINK TOOL

Note: not every tool will be need for each assembly, the list encompasses all the tools to complete every assembly

Here at YETI we strive to make the bikes bikes in the world, because of this dedication to be the best, we continually make changes to our bikes as needed. This continuous improvement makes for a better ride, but can also make the task of maintenance and assembly/disassembly a little tricky. So, we have gathered the latest info, tricks and tips on our current model bikes to help aid in this task. Enjoy.

If you have any technical questions please call Craig (college) Grant @ 303-278-6909x1000 or e-mail cgrant@yeticycles.com



DH-9 ASSEMBLY

STEP 1 Insert the split mount sleeves into the seatstay mount (upper mount). Place the flanged mount into the drive side and the non - flanged into the opposing side (1a). Take the DH-9 seatstay and line the bearings up with the split mount sleeves and tap the upper pivot pin (longer of the two anodized pins) through the frame (1b).



STEP 2 Place the black fender washer onto the button head bolt (6x1x12) and thread into the pin. Cinch the button head down with a 5mm allen key holding the opposing side with a 6mm allen key. Make sure the seat stays are evenly spaced between the seat tube. If the seatstay is sitting uneven, manually move the stays into position.

Torque spec: 125-150 inch pounds

Note: Prep all bolt threads with blue loctite prior to assembly.

STEP 3 Once the seat stay is positioned, cinch down the mounting bolts with a 5mm allen key(3a). Place a soft cloth around the mounting brackets on the seat stay(3b). This will protect the frame from damage during the following steps, until the seatstays are secured to the shock.

Torque spec: 125-150 inch pounds



STEP 4 The next process will be to install the eccentric mounting hardware. Note: The eccentric adjustment alters the bike ride height and suspension characteristics. The adjustment position is determined by the location of the bolt off center of the eccentric disc. The adjustments are broken down into 4 basic settings, these settings are shown in the eccentric adjustment appendix. Place the 35.5mm female Yeti bolt into an eccentric disc. Then tap this assembly into the mounts as shown (4a). Take the second eccentric disc and tap it into the frame as shown to the right (4b).



STEP 5 Take the dickey tool (or an 8mm allen key) and line all three components up by inserting the tool through the discs. Place the shock into position and tap the female Yeti bolt through the discs and the shock eyelet. Thread the button head bolt (6x1x12) into the female Yeti bolt and cinch the assembly down with two 5mm allen keys.

Torque spec: 125-150 inch pounds

STEP 6 Remove the cloth from the seatstays and align the stays with shock. Then slide the dickey tool (or 8mm allen key) through the seatstays and shock eyelet to align the components. Slide a thin flat washer onto the 43mm female Yeti bolt, and slide the bolt and washer through the seatstays and shock. Place a thin flat washer on a male Yeti bolt and thread these parts onto the female Yeti bolt. Cinch the bolts down with two 5mm allen keys.

Torque spec: 125-150 inch pounds



STEP 7 Insert the split mount sleeves into the chainstay mount (lower mount). Place the flanged mount into the drive side and the non - flanged into the opposing side (7a). Take the DH-9 chainstay and line the bearings up with the split mount sleeves on the mount and tap the lower pivot pint (the shorter of the two pins) into the chainstay and through the frame (7b). Place the black fender washer onto the button head bolt (6x1x12) and threaded into the pin. Cinch the button head down with a 5mm allen key holding the opposing side with a 6mm allen key. Once the chainstay is positioned, cinch down the mounting bolts with a 5mm allen key (7c).



Torque spec: 125-150 inch pounds



STEP 8 The following steps explain how to attach the droplinks to the chainstay and seatstay. Take the droplink, make sure the chamfered bolt holes are facing in towards the wheel, and place two droplink fender washer on the inside of the drop link as shown (8a). Then slide the 23 mm sleeve bolt and thin flat washer into the droplink. Use the dickey tool (or 8mm allen key) to center the droplink and the washer so the 23mm sleeve bolt can be inserted all the way through (8b). Thread on the 6x1 flat head onto the 23mm sleeve bolt and cinch the the bolts down with two 5mm allen keys. Repeat these steps to the opposing droplink.

Torque spec: 125-150 inch pounds



STEP 9 Swing the chainstay up towards the bottom of the droplinks and place two droplink fender washer on the inside of the drop link as shown (9a). Then slide the 23mm sleeve bolt and thin flat washer into the droplink. Use the dickey tool (or 8mm allen key) to center the droplink and the fender washer so the 23mm sleeve bolt can be inserted all the way through (9b). Thread on the 6x1 flat head onto the 23mm sleeve bolt and cinch the the bolts down with two 5mm allen keys. Repeat these steps to the opposing droplink.

Torque spec: 125-150 inch pounds



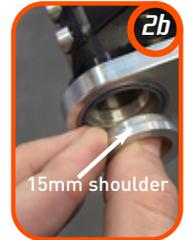
DH-9 ASSEMBLY THROUGH AXLE HUB

Note: The following steps demonstrate the proper method of installing the Hadley through axle hub and the floating brake hanger.

STEP 1 Align the brake hanger and brake link as shown to the right. Slide the 20mm sleeve bolt and thin flat washer through the hanger and link. Threaded on the male Yeti bolt and thin flat washer onto the 20 mm sleeve bolt and cinch down with two 5mm allen keys (1a). Place the floating brake assembly as shown and thread the male Yeti and thin flat washer into the fixed mount on the chain stay. Cinch down the Yeti bolt with a 5mm allen key (1b).



STEP 2 Install the brake hanger insert with the 1mm shoulder into the hanger so it is positioned between the hanger and the droplink (2a). Install the second brake hanger insert with the 15mm shoulder into the hanger so it is facing towards the hub (2b).



STEP 3 Insert the 15mm-20mm spacer into the drive side droplink (3a). While holding the hadley hub in position, slide the axle through the droplink, hanger, and hub (3b). Leave the axle shoulder exposed 10mm and cinch down the the drop link pinch bolts with a 4mm allen key (3c). It is important to have the 10mm relief on the hub setup for the system to function properly.



Torque spec: 125-150 inch pounds



STEP 4 The last step in the hub assembly is to position the drive side drop link in the proper location. Notice the small gap between the end of the hub and the inside face of the drop link, this gap must be closed. Manually pull the droplink into position so the inside face of the link is flush with the end of the hub. Cinch down the pinch bolts with a 4mm allen key. Thread the 8x1mm bolt and black washer into the axle and cinch down with a 13mm socket.

Torque spec: 125-150 inch pounds

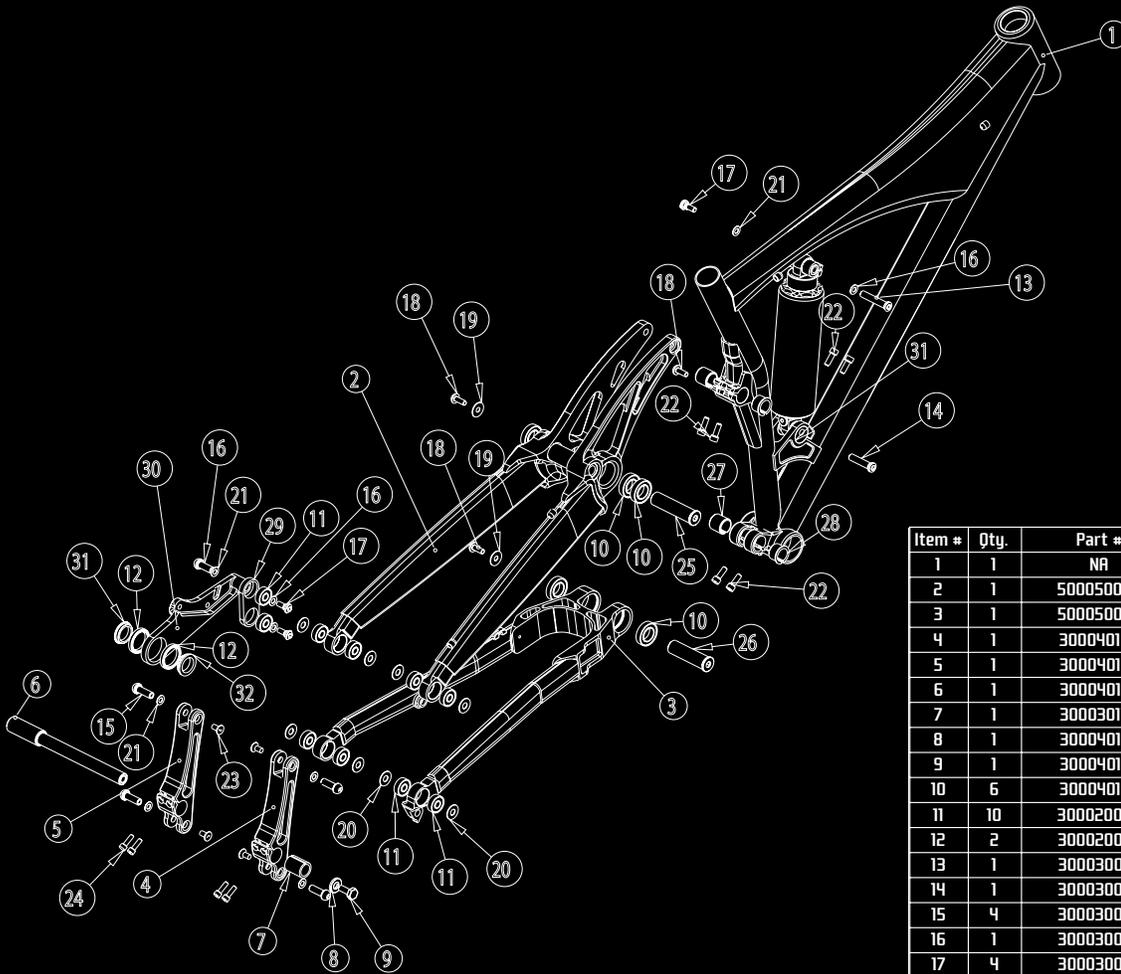


X-Ploded

VIEWS

EXPLODED

DH-9



| Item # | Qty. | Part # | Description |
|--------|------|-----------|------------------------------------|
| 1 | 1 | NR | Front Triangle |
| 2 | 1 | 500050054 | Seatstay |
| 3 | 1 | 500050055 | Chainstay |
| 4 | 1 | 300040168 | Droplink - right |
| 5 | 1 | 300040167 | Droplink - left |
| 6 | 1 | 300040175 | Through Axle |
| 7 | 1 | 300030178 | Sleeve Insert |
| 8 | 1 | 300040175 | Black Fender Washer |
| 9 | 1 | 300040175 | Hex Bolt 8x1x15 |
| 10 | 6 | 300040170 | 6903 Sealed Bearing |
| 11 | 10 | 300020000 | 608 Sealed Bearing |
| 12 | 2 | 300020023 | 6705 Sealed Bearing |
| 13 | 1 | 300030075 | Female Yeti Bolt 43mm |
| 14 | 1 | 300030078 | Female Yeti Bolt 35.5mm |
| 15 | 4 | 300030045 | Sleeve Bolt 23mm |
| 16 | 1 | 300030069 | Sleeve Bolt 20mm |
| 17 | 4 | 300030052 | Male Yeti Bolt M6x1x17 |
| 18 | 2 | 300030006 | Button Head M6x1x12 |
| 19 | 2 | 300030045 | Main Pivot Fender Washer |
| 20 | 8 | 300030061 | Droplink Fender Washer |
| 21 | 9 | 300030069 | Thin Flat Washer |
| 22 | 6 | 300030016 | Pivot Pinch Bolt M6x1x16 |
| 23 | 4 | 300030007 | Flat Head M6x1 |
| 24 | 4 | 300030010 | Droplink Pinch Bolt M5x.8x16 |
| 25 | 1 | 300030035 | Upper Pivot Pin |
| 26 | 1 | 300040027 | Lower Pivot pin |
| 27 | 2 | 300020006 | Sleeve Split Mount |
| 28 | 2 | 300030009 | Flange Split Mount |
| 29 | 1 | 300040170 | Brake Link |
| 30 | 1 | 300040169 | International Brake Hanger |
| 31 | 1 | 300040171 | Brake Hanger Insert -Droplink side |



YETI CYCLES

600 Corporate Circle, Unit D

Golden, CO 80401

(p)303.278.6909

(f)303.278.6906

www.yeticycles.com