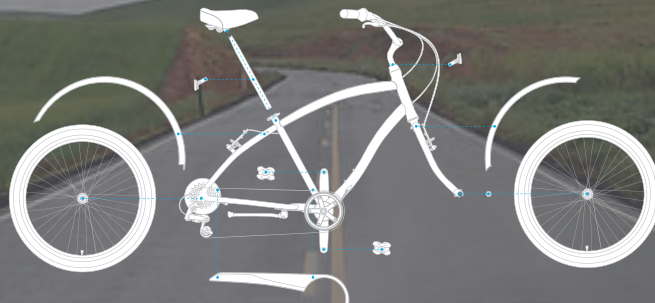


# ASSEMBLY GUIDE

REACH YOUR DESTINATION - 1, 3, & 7 SPEED



*sixthreezero*



# OUR COMMITMENT

We want you to love your bike as much as we do.  
If you run into any issues, no matter how small,  
let us know and we'll take care of it.

SIXTHREEZERO

[THETEAM@SIXTHREEZERO.COM](mailto:THETEAM@SIXTHREEZERO.COM)

310.982.2877



# MEET JACOB, OUR MECHANIC

Need assembly, repair, or installation assistance? He's your guy!  
Want live help? Call or email to schedule an appointment.



MECHANICS@SIXTHREEZERO.COM

310.982.2877

## A NOTE FROM OUR MECHANIC

Welcome to the sixthreezero experience. Now for the fun part... the assembly.

I know, I know, we've all had to assemble something we've bought before - a tv stand, coffee table, possibly a grill or even a bike a time or two before. It's never fun, it never goes well, you always lose a nut or a screw and by the time you're done, you'd rather destroy whatever it is you've bought than actually use it. Well, I'm here to make sure that doesn't happen.

Assembly of a bike can be a fun, engaging, learning experience. Call up a friend, ask your spouse or child, don't

rush, and enjoy the process. Part of the fun in building your bike is telling people "I built it all by myself." I build bikes almost everyday and I always learn something new. I enjoy the process of building something from the ground up, and I hope you will too.

The instructions were written and designed by me, so if you have any suggestions please let me know!

Good luck,

*JACOB*

MECHANIC / SIXTHREEZERO

# TOOLS YOU'LL NEED

Creating something wonderful with your own hands is basically the best feeling ever. We want you to have fun building your new bike, so there's only a few things you need to get started.



**SCISSORS**  
(Use to cut zip ties)



**8, 10, 13, AND 15MM  
CRESCENT WRENCHES**  
Or use the multi-tool  
provided



**4, 5, AND 6MM  
ALLEN KEY**



**PHILLIPS HEAD  
SCREWDRIVER**



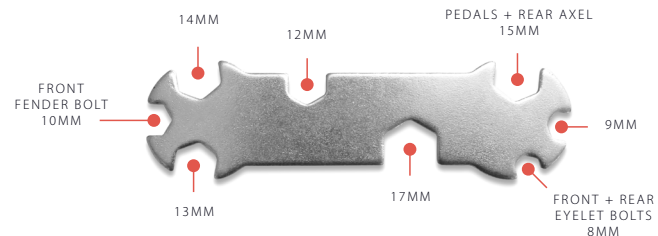
**SCHRADER VALVE  
BICYCLE PUMP**



**BICYCLE OR  
AUTO GREASE**  
Recommended

# WHAT'S IN EACH BOX?

Lay out all the parts in front of you.  
Make sure you have all the parts before getting started.



**HANDLE BAR / FRAME / REAR WHEEL AND REAR RACK SET-UP**

Seat post is zip-tied to frame



**QUICK RELEASE FRONT WHEEL**



**FRONT REFLECTOR**  
pre-installed



**FRONT FENDER + STRUT**  
fender strut usually comes pre-installed

**BOX 1**



**EXPERIENCE  
BOOKLET**



**ASSEMBLY  
GUIDE**



**MULTI-TOOL**



**4, 5, AND 6MM  
ALLEN KEYS**



**PEDALS**



**LOCK NUT CAP**



**SEAT**



**QUICK RELEASE  
SKEWER**



**HARDWARE**  
In the box or  
attached the frame

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**BOX 2**

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**BOX 3**

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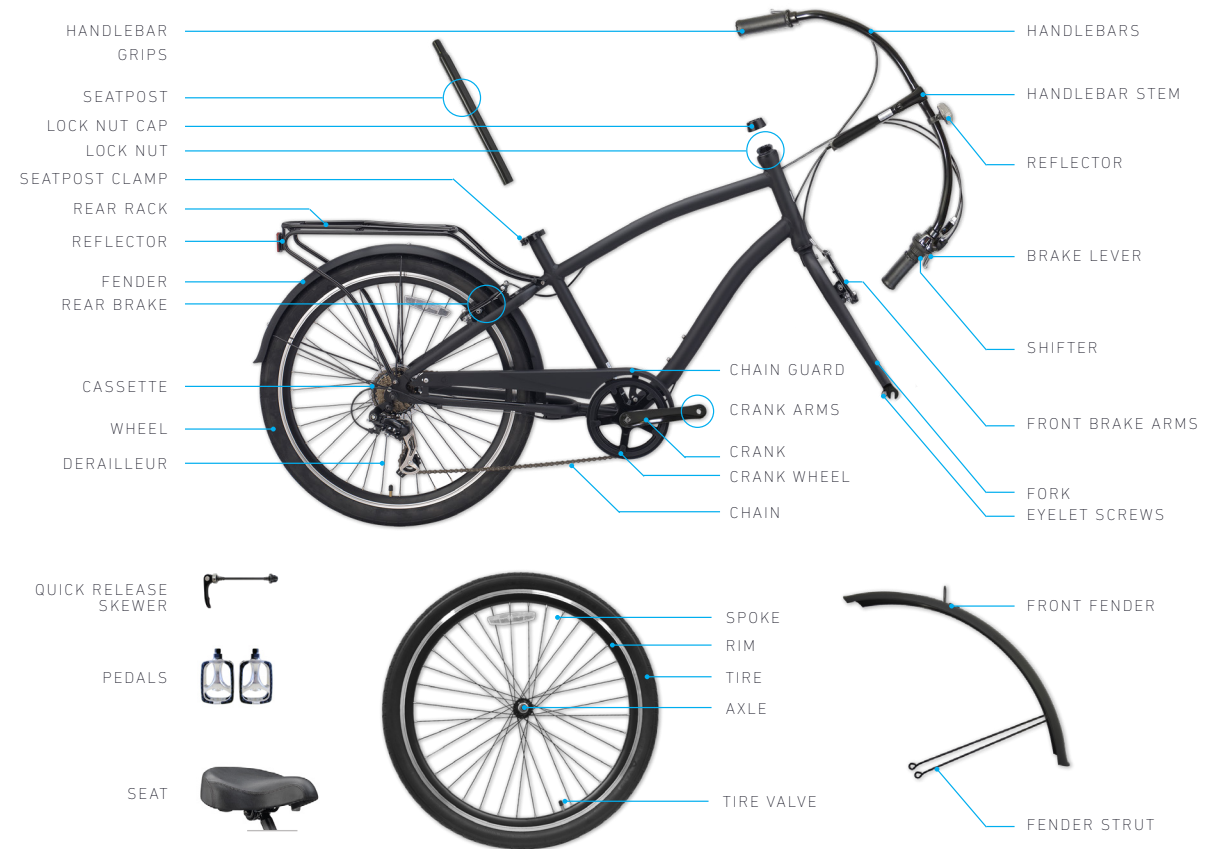
**BOX 4**

# BIKE PARTS REFERENCE

All the names of all the parts for your bike, all in one place.  
Keep this handy during assembly, and everything will go just fine.

**Note:**

*The bicycle in the diagram may not be the model you purchased.  
Use diagram for bicycle part reference only.*



# FRONT WHEEL, FENDER + REAR RACK

Parts required:



FRONT FENDER  
+ STRUT



QUICK RELEASE  
FRONT WHEEL



FRAME, REAR RACK  
+ REAR WHEEL



QUICK  
RELEASE SKEWER

Tools you'll need:



PHILLIPS  
SCREWDRIVER



4MM  
ALLEN KEY



10MM  
MULTI-TOOL



(2) WASHERS, NUT  
AND LONG BOLT  
**(pre-installed)**



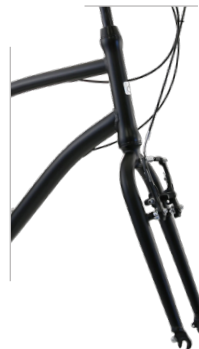
(6) 4MM ALLEN  
KEY SCREWS  
**(pre-installed)**

## 01

Spin the front fork so that the the handlebars are pointing inwards.

### CORRECT

The front brake is facing away from the bike body.



### INCORRECT

The brakes are behind the fork.



## 02

Pinch front brake arms, pulling the metal tubing up and out until it is disengaged and the brake arms are open.





## 03

Locate the arrow on the wall of the tire and position the tire like the image below. With the arrow pointing forward, insert the wheel into the fork dropouts. The axle nuts will fall inside the fork entry.



## 04

Reattach the brake arms by connecting the metal tube as shown.



## 05



All of the components for the quick release skewer are attached out of the box.



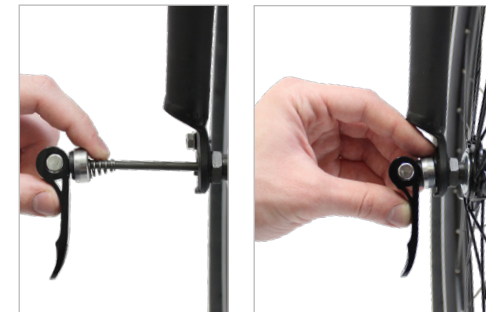
Unscrew **QR5** and remove **QR4**. Do not remove **QR2** and **QR3** from the quick release handle **QR1**.

### NOTE

Quick release skewer must be installed correctly to avoid bicycle damage and/or injuries.

## 06

Insert the quick release skewer through the hub opening on either side of the wheel, as shown below.



Slide quick release skewer completely through the hub.

**07**



Place **QR4** on the open side of the quick skewer, with the smaller end pointing inward.



**08**

Making sure the wheel is straight, attach **QR5** to **QR1** by compressing the spring completely. Hold the quick release lever in place and tighten **QR5** lightly.



**09**



Lift the lever up towards the fork. If the lever does not lock in place smoothly, loosen **QR5** slightly and try again. It will take a small amount of strength, but that is normal.



**NOTE**

The lever should be tight enough to feel resistance at a 90° angle. Make sure the front wheel is securely tightened and properly aligned so there are no issues when you assemble the brakes.

**10**

Once the front wheel is secured, lower the kickstand and locate the front fender.



# 11



PHILLIPS SCREWDRIVER



10MM MULTI-TOOL



(2) WASHERS, NUT AND LONG BOLT (pre-installed)



FRONT FENDER + STRUT

Align the fender struts with the eyelets on the fork, so that the fender tab is pointing upwards. Slide the fender up through the back of the front tire.

Use a Phillips head screwdriver and the 10mm multi-tool to remove then install the fender tab screw and nut.

### NOTE

Order from front to back:  
LONG BOLT, WASHER, FORK, FENDER TAB, WASHER, NUT.

Remove the screws from the fork eyelets.

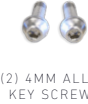
FENDER TAB



# 12

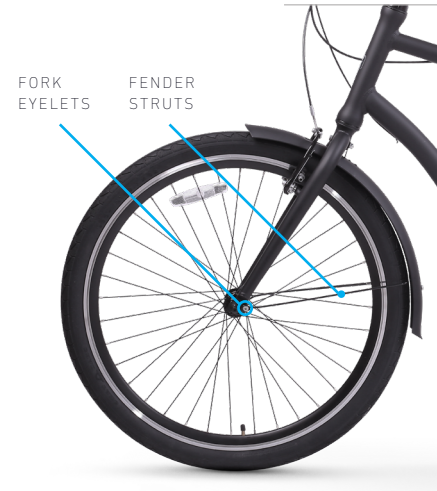


4MM ALLEN KEY



(2) 4MM ALLEN KEY SCREWS (pre-installed)

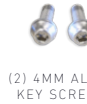
Attach the screws into the struts and eyelets. Use a 4mm allen key to tighten the screws and attach the fender strut to the fork eyelet.



# 13



4MM ALLEN KEY



(2) 4MM ALLEN KEY SCREWS (pre-installed)



REAR RACK

Align the front rear rack arms to the eyelets on the frame below the seat. Use a 4mm allen key to tighten the screws and attach the rear rack to the frame.



# 14



4MM ALLEN KEY



(2) 4MM ALLEN KEY SCREWS (pre-installed)

Install the bottom rear rack arms to the frame in this order (from the frame out): Frame, fender strut, rear rack arms, and 4mm allen screws. Tighten with a 4mm allen key.



ORDER:

1. FRAME
2. FENDER STRUT
3. REAR RACK ARM
4. 4MM ALLEN KEY SCREW

**NOTE**

Repeat on both sides.

# 15



4MM ALLEN KEY



(2) 4MM ALLEN KEY SCREWS (pre-installed)

Install the angled rear fender strut to the frame in this order (from the frame out): Frame, fender strut, and phillips head screws. Tighten with a 4mm allen key.



ORDER:

1. FENDER STRUT
2. 4MM ALLEN KEY SCREW

**NOTE**

Repeat on both sides.

# HANDLEBAR, SEAT + PEDALS



HANDLEBAR



PEDALS



6MM ALLEN KEY



13MM + 15MM MULTI-TOOL



BICYCLE PUMP



LOCK NUT CAP



SEAT



PHILLIPS SCREWDRIVER



BICYCLE OR AUTO GREASE

15

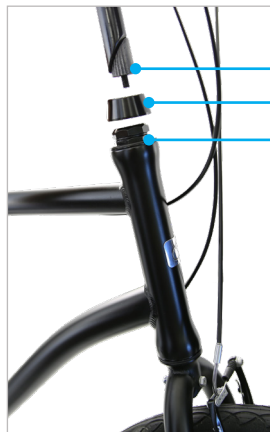


LOCK NUT CAP



HANDLEBAR

Place the lock nut cap in between **ST1** and **ST2**.



**ST1** STEM

LOCK NUT CAP

**ST2** LOCK NUT/  
HEAD TUBE

Line up the stem, frame, and front wheel, then tighten the handlebar stem bolt.



HANDLEBAR  
STEM BOLT

**NOTE**

Straightening the stem, frame, and front wheel will ensure that your handlebars and wheel are properly aligned.

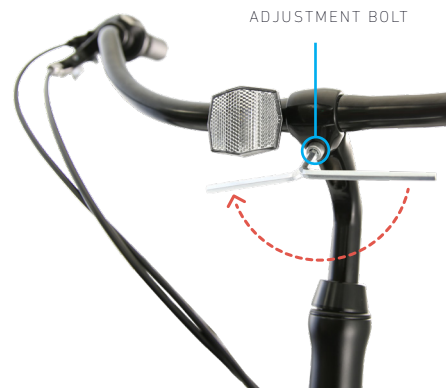


16



6MM  
ALLEN KEY

Loosen handlebar adjustment bolt using the 6mm Allen key. Change the angle of the handlebars to your liking. Riders typically prefer their grips parallel to the ground.



ADJUSTMENT BOLT

17



PHILLIPS  
SCREWDRIVER

Straighten the reflector so that it points forward.



Adjust the position of the front reflector by loosening the screw on the bracket.



**18**



BICYCLE OR  
AUTO GREASE

Apply grease to seat lever, then open seat post clamp. Holding the seat post firmly, insert into seat post tube until the top is level with your waist.

Close the seat post clamp lever.

**CAUTION**

Make sure not to drop seat post into the frame.



**19**



13MM  
MULTI-TOOL

Place the seat onto the seat post, using the 13mm multi-tool to tighten the nuts under the seat.



**20**



BICYCLE OR  
AUTO GREASE



15MM  
MULTI-TOOL



PEDALS

Apply grease to threading on both pedals.

Select the pedal stamped R and locate the right side of the bike (with the chain and chain guard). Align threading with the right crank arm, turning the pedal clockwise to tighten it.



Locate the pedal stamped L and align with the left crank arm. The left side pedal is reverse-threaded, tightening in a counterclockwise direction.

Hand tighten accordingly, then follow up by tightening both pedals with the 15mm multi-tool or crescent wrench.

21



BICYCLE PUMP

Pump air into the tires to the recommended **PSI** on the sidewall of the tire.



22

Sit on the bike and check the angle formed by your knee.

If your knee forms the incorrect angle, use the seat post clamp lever to raise the seat until you have a subtle bend or achieve a comfortable height.

**CORRECT**

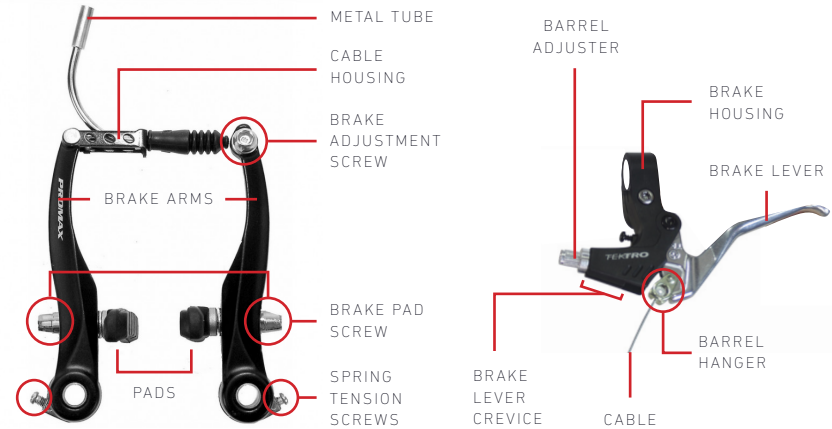


**INCORRECT**



# BRAKE ASSEMBLY

## DIAGRAM



## TOOLS REQUIRED



PHILLIPS SCREWDRIVER



5MM ALLEN KEY

## NOTE

Only follow steps 1-9 if your brake cable is not attached to the bicycle.

If your brake cable is attached, skip to step 10.

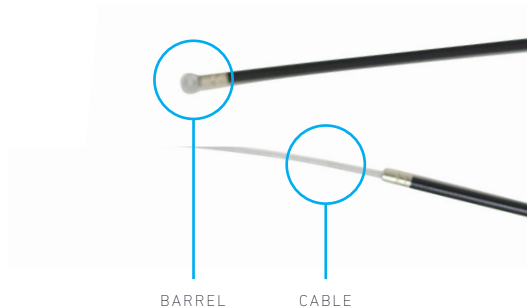


ATTACHED  
BRAKE CABLE

## 01

There are two ends to the brake cable.

One end has a barrel attached, while the other end has an open piece of cable.



## 02

Attach the brake cable to the brake lever by squeezing the lever and inserting the barrel into the barrel hanger.



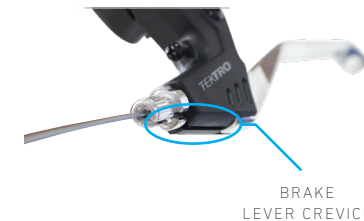
## 04

Slide the cable housing up toward the brake lever until it fits snug inside the barrel adjuster.



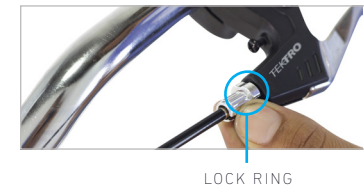
## 03

Pull on the cable and slide it through the narrow crevice that runs along the brake lever.



## 05

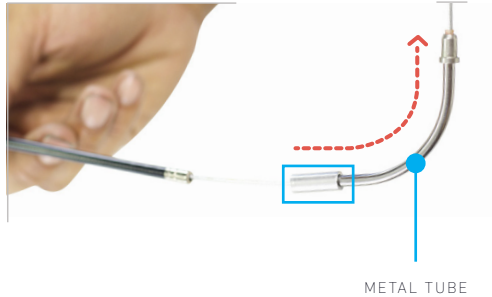
Turn the lock ring on the barrel adjuster clockwise, tightening the barrel to prevent any loose movement.





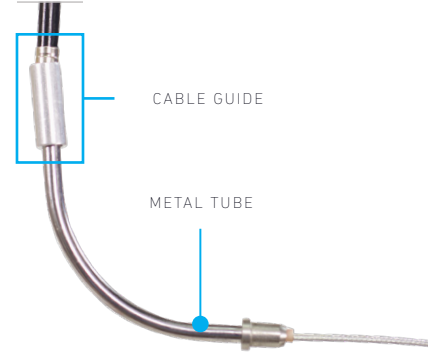
# 06

Insert the open end of the brake cable into the larger end of the metal tube.



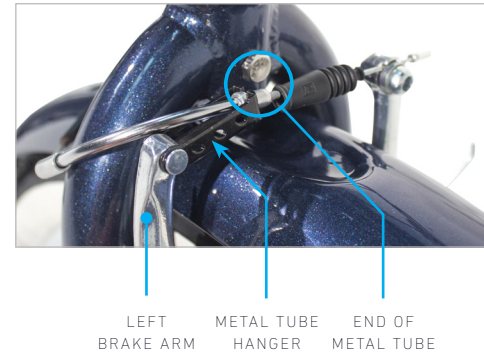
# 07

Slide the metal tube up the brake cable until the housing fits snugly into the cable housing.



# 08

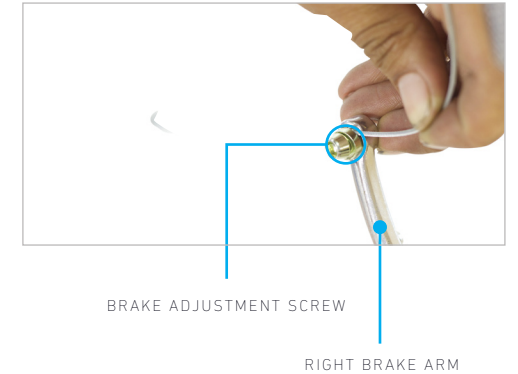
Slide the exposed end of the metal into the metal tube hanger, located on the left brake arm. Make sure the metal tube is hooked securely inside the hanger.



# 09



Using a 5mm Allen key, loosen the brake cable adjustment screw. Slide remaining brake cable between the right brake arm and the adjustment screw.



# 10

Pull the cable outward, reducing the distance between the brake pads and the rim by about 1/4 inch on both sides. Retighten the adjustment screw.



CABLE

# 11



5MM  
ALLEN KEY

Make sure the pads are evenly lined up with the rim. If the pads rub against the tire, they are too high; if they don't make full contact with the rim when braking, they are too low.

Adjust the positions by holding the brake pad with one hand and loosening the nut on the back with a 5mm Allen key.



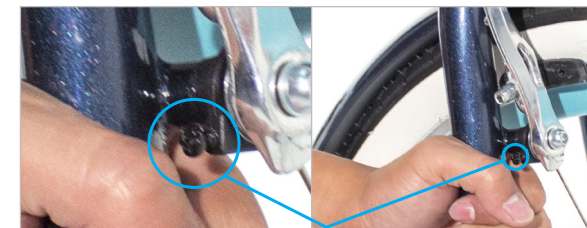
ADJUST WITH  
5MM ALLEN KEY

# 12

If one pad seems to run against the rim while the other still has plenty of space, you will need to center the brakes. To do this, adjust the spring tensioner screws located at the base of each brake arm.

Tightening the screw on the right brake arm pushes the right brake pad away from the rim, and the left brake pad towards the rim.

Loosening the right screw allows the right brake pad to move closer to the rim, and the left brake pad away from the rim.



SPRING  
TENSIONER SCREW

# 3 SPEED DERAILLEUR TUNING

DIAGRAM



TOOLS REQUIRED



PHILLIPS  
SCREWDRIVER



10MM  
MULTI-TOOL

## 01

Check and adjust gears. Shift into 2nd gear by twisting the shifting unit. The shifter has an outer exterior that resembles a gold ball, that us the part that turns.



## 02

Look through the window in the back of the rear hub. If the yellow dot is within the parallel lines and arrows, your bike is properly adjusted.



**03**



10MM  
MULTI-TOOL

If not adjusted correctly, loosen the lock nut with a 10mm crescent wrench, and turn the adjustment barrel in either direction. The yellow dot will start to move.



**04**

Tightening the adjustment barrel in, moves the yellow dot away from the rear wheel.



**05**

Untightening the adjustment barrel out moves the yellow dot in towards the rear wheel.



**06**



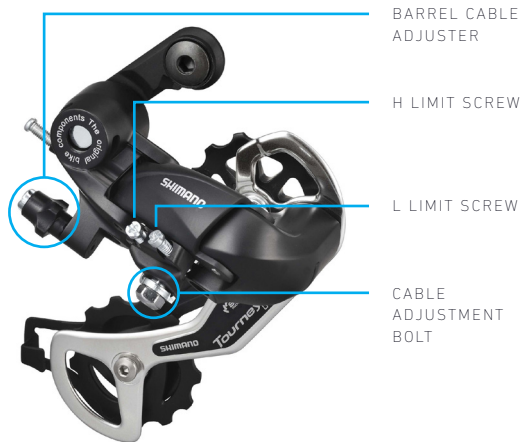
10MM  
MULTI-TOOL

Center the yellow dot within the parallel lines. Once the yellow dot is within range, tighten down the nut using the 10mm crescent wrench.



# 7 SPEED DERAILLEUR TUNING

## DIAGRAM



BARREL CABLE  
ADJUSTER

H LIMIT SCREW

L LIMIT SCREW

CABLE  
ADJUSTMENT  
BOLT

## TOOLS REQUIRED



PHILLIPS  
SCREWDRIVER



9MM  
MULTI-TOOL

## 01

To adjust the rear derailleur, first twist the shifter until the number **7** is highlighted on the shift knob.



## 02

Rotate pedals until the chain falls into the smallest cog.

SMALLEST COG



## 03

Turn the barrel adjuster located on the rear derailleur clockwise until it stops.



BARREL  
ADJUSTER

## 04



PHILLIPS  
SCREWDRIVER

If the chain still hasn't reached the smallest cog, then you will need to adjust the "High Gear" limiting screw located on the derailleur (indicated by the letter **H**).

With a Phillips screwdriver, gradually turn the screw counterclockwise 1/4 turn at a time while rotating the pedal until the chain falls onto the smallest cog.



### NOTE

The "High Gear" limiting screws are very sensitive. We recommend using only 1/4 turn at a time, in case you have to revert back to its original position.

## 05



9MM  
MULTI-TOOL

Now adjust the cable tension, which controls how your bike will shift. Using a 9mm crescent wrench or the multi-tool, loosen the cable adjustment screw and pull on the cable. While keeping tension on the cable, tighten the cable adjustment screw.

## 06

Rotate the pedals and try to shift between gears. If it doesn't shift from 7th to 6th gear in one click, then the cable needs to be tightened. To tighten the cable, twist the barrel adjuster counterclockwise 1/4 turn at a time until it is able to shift from 7th to 6th gear in one click.

Shift through the gears from 7th to 1st, then back from 1st to 7th. If the gears feel sluggish when shifting from 7th to 1st, tighten the cable by turning the barrel adjuster counterclockwise. If shifting feels fine from 7th to 1st, but sluggish from 1st to 7th, loosen the cable by turning the barrel adjuster clockwise.

Continue to adjust the derailleur cable until you are able to shift between each gear with a single click.



### NOTE

Each gear should shift with a corresponding "click" sound.

# SURVEY

Tell us about your assembly experience. If you have/had any trouble at all or didn't, and would like to leave feedback and help us improve our assembly instructions you can.

Type this URL into your browser:

[goo.gl/6enZji](https://goo.gl/6enZji)

# CONGRATULATIONS

You did it! Time to take your brand new bike for a spin.  
Still have questions? We're happy to help.  
Want to share your journey with us? We're happy about that, too.



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