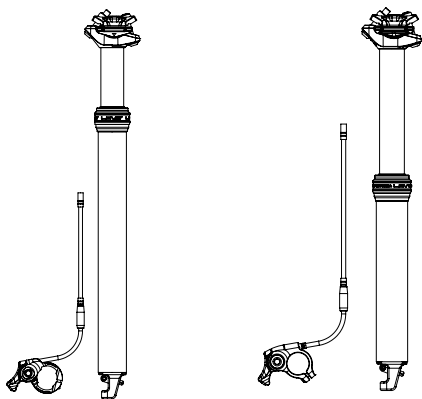




HEIGHT ADJUSTABLE SEATPOST USER MANUAL



This user manual covers the following models: **LEV Ci, LEV Integra**

PLEASE READ THIS FIRST

Thank you for purchasing a new KS Height Adjustable Seatpost. Your new seatpost is warranted for a period of two years from the date of purchase. The warranty is expressly limited to the repair or replacement of the defective part and is the sole remedy of the warranty. The warranty applies only to the original owner and is not transferrable. Proof of purchase is required to validate warranty eligibility. The warranty does not cover normal wear and tear, routine maintenance, improper installation or improper use of the seatpost. Modification of the seatpost in any manor shall void the warranty. Kind Shock Hi-Tech Co. Ltd. shall not be responsible for incidental or individual costs incurred by the warranty service provider that are not covered by this warranty. The user assumes the risk of any personal injury or property damage, including damage to the seatpost, and any other losses, if the seatpost is modified or improperly used at any time. This warranty gives the consumer specific legal rights and those rights vary from state to state. This warranty does not affect the statutory rights of the consumer.

ATTENTION

This is a high performance product. It will give you reliable service if it is installed properly and regularly maintained by an authorized KS Service Center. Please read through these instructions fully and follow them careful before you install your new seatpost.

WARNING

KS Height Adjustable Seatposts must be regularly maintained by an a qualified service technician. If you need assistance locating a qualified service technician, more information can be found at <http://www.kssuspension.com>. Service center locations can be found at www.kssuspension.com. Do not disassemble your seatpost. Disassembly could cause damage and severe personally injury as some of the contents are under pressure. Failure to follow these warnings and instructions will immediately void your warranty.

BEFORE YOU INSTALL THE SEATPOST

Please be sure your new KS seatpost is designed to fit in your frame. All LEV Integra models are designed to fit either 27.2mm, 30.9mm, 31.6mm or 34.9mm seat tube inner diameters in frames originally designed for internal cable routing. Improper fit may cause slippage, faulty performance, injury and may result in void of warranty.



KS Suspension **DOES NOT** recommend modification or alteration of your frame in any way. Doing so may void your frame or bicycle's warranty and may result in frame failure which could lead to injury or death.



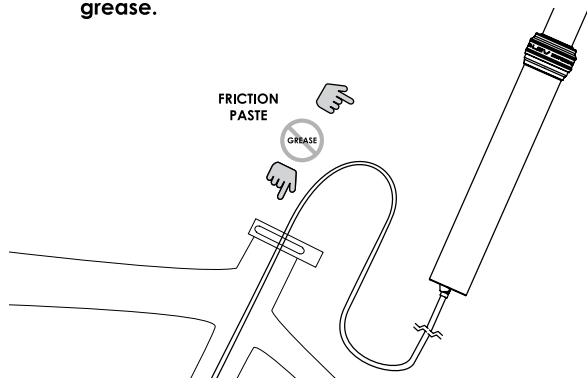
Make sure your frame is clean and free of debris, grease and the inside of your seat tube is smooth and free of any object that may score the seatpost.



Apply grease to all seatpost bolt threads.



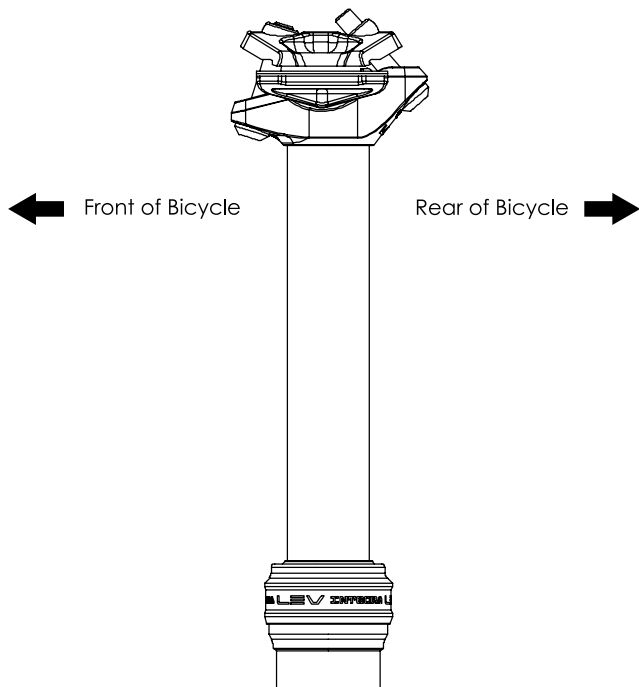
Apply a friction or anti-seize compound to the inside of the seat tube and inserted surface of the seatpost. **Do not use grease.**



SEATPOST INSTALLATION

SEATPOST ORIENTATION

Since LEV Integra's remote cable is internally routed and in-line with the seatpost, there is only one position for saddle orientation:



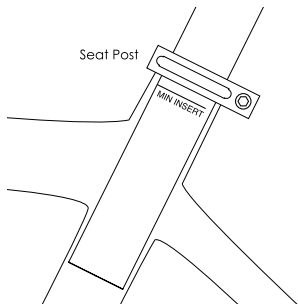
SEATPOST INSTALLATION

MINIMUM INSERTION DISTANCE

All seat post models must be inserted into the bicycle's seat tube to cover the minimum insertion line indicated on the seat post.



Insufficient insertion of the seat post into the bicycle frame's seat tube could result in damage to the seat post and/or bicycle and may result in a loss of control of the bicycle which may lead to serious injury or death.

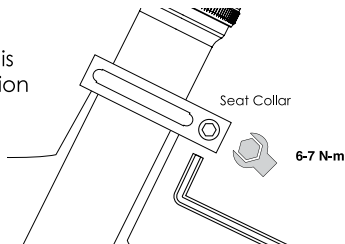


SEAT COLLAR TORQUE

Tighten your frame's seat collar to a maximum torque of 7 N-m. Do not over torque your frame's seat collar as this may inhibit proper function of your seat post.



Do not over torque your frame's seat collar as this may inhibit proper function of your seat post.



INSTALLATION

ATTENTION!

Please read the following instructions carefully and install your LEV Integra according to the steps detailed below.

WARNING!

LEV Integra uses internal cable routing and is designed to be compatible with bicycle frames that provide for such cable routing.

DO NOT DRILL OR MODIFY YOUR FRAME IN ANY WAY. Doing so will void the Warranty of LEV Integra and in most cases void the warranty of your bicycle. Modification of your frame in any way may result in frame failure which could result in injury or death.

If you are unsure if LEV Integra is compatible with your frame, contact your bicycle frame manufacturer or KS USA at www.kssuspension.com.

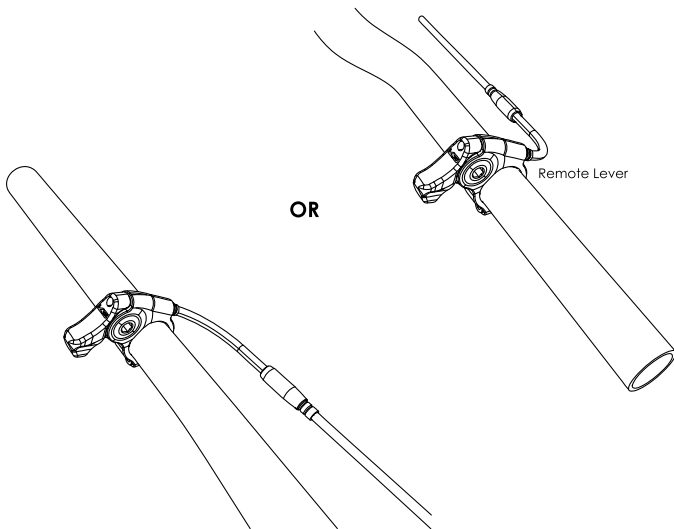
INSTALLATION

DETERMINING CABLE AND HOUSING LENGTH

Temporarily install the remote lever in the desired final location. The remote can be installed on either the right or left side of the handlebar.

NOTE: you will use this position to determine cable length but remove and reinstall the lever again in a later step.

Install the supplied elbow noodle with integrated barrel adjuster and insert cable housing into the barrel adjuster.

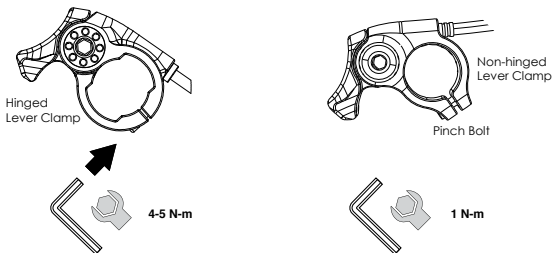


INSTALLATION

DETERMINING CABLE AND HOUSING LENGTH

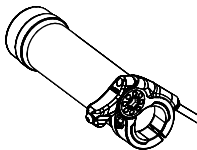
Using a 3mm Hex wrench, loosen the remote lever clamp pinch bolt and remove the bolt. Slide the (non-hinged) lever clamp on your handlebar and position it in the desired location. Tighten to a maximum torque of 1 N-m.

NOTE: Aftermarket models of LEV Integra use the KG alloy remote with hinged lever clamp. See below for installation instructions.



WITH ODI LOCK-ON™ COMPATIBLE GRIP (AM ONLY)

The alloy remote lever clamp can be used to replace the inner lock ring on ODI LOCK-ON™ compatible grips. Remove the inner lock ring on your grip. Replace with the seat post remote lever clamp. Follow the instructions above. NOTE: Polycarbonate remote lever clamp is not hinged and not compatible with ODI LOCK-ON™ compatible grips.



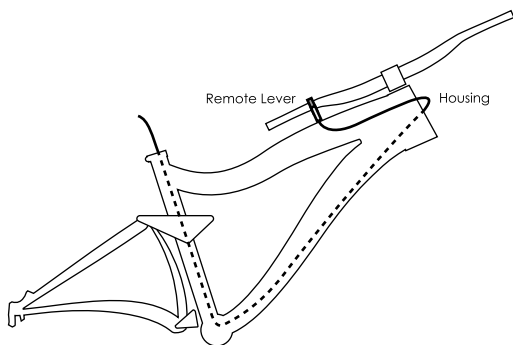
INSTALLATION

DETERMINING CABLE AND HOUSING LENGTH

With the housing and noodle in place at the remote lever, route the housing through your bicycle frame per your bicycle frame manufacturers specifications.

To determine the correct length for your housing, pull the housing to remove excess slack with the handlebars turned 90-degree from the forward position. Be sure the housing is long enough to wrap around the head tube as shown to not impede with steering.

NOTE: Do not permanently affix your housing in place. You will need it free to move it in a later step.

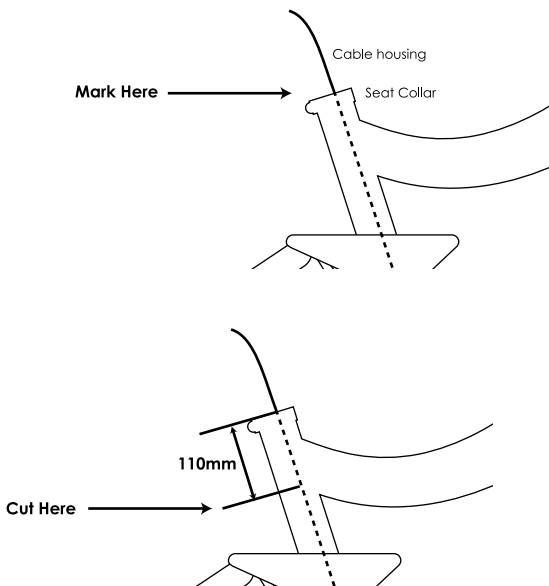


INSTALLATION

DETERMINING CABLE AND HOUSING LENGTH

Mark the location on your cable housing at the seat collar as it protrudes from the seat tube. Pull the cable housing out of the seat tube and make another mark 110mm in the direction of the handlebar. This will be your final housing length. Cut the housing to length.

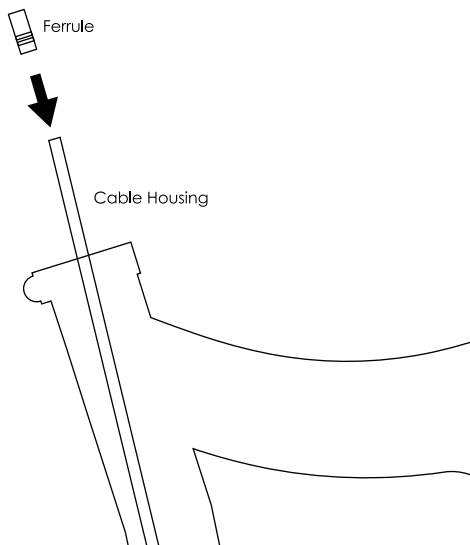
NOTE: This 110mm measurement applies to all travels options of LEV Integra.



CABLE INSTALLATION

CONNECTING THE INNER WIRE

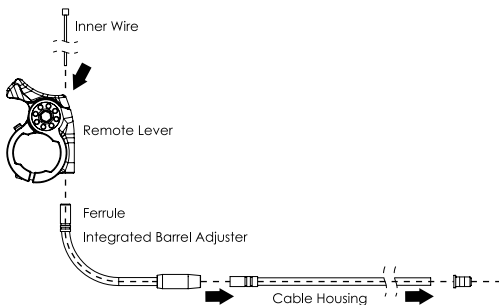
With the housing still routed through your frame, install the ferrule on the end of housing at the seat collar.



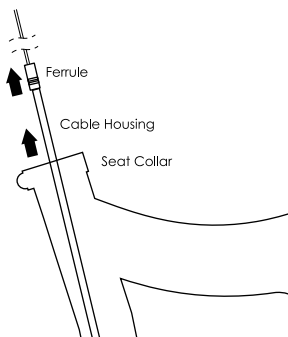
CABLE INSTALLATION

CONNECTING THE INNER WIRE

Feed the inner wire through the remote lever, integrated barrel adjuster and cable housing.



Pull the cable slack out from the seat collar.



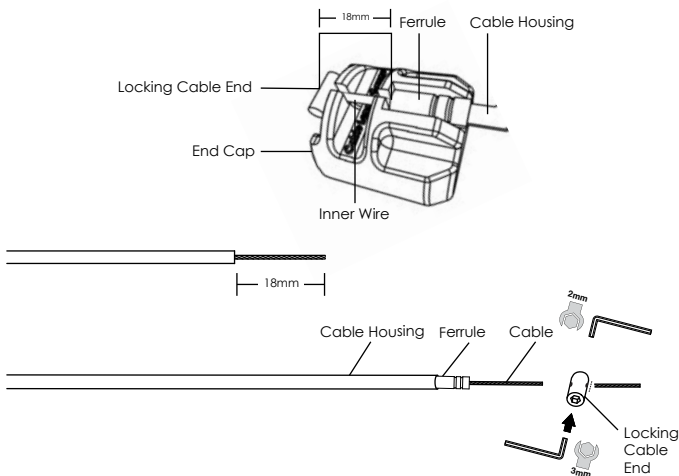
CABLE INSTALLATION

Hold the free end of the cable and cable housing to LEV Integra's cable entry point. Mark this length on the cable and cable housing with a marking pen or tape.

Using a pair of bicycle cable cutters, trim the cable housing to this measured length. **DO NOT cut the inner wire at this time.**

Option 1: Using a standard shifter cable.

Mark the inner wire to a length **18mm longer than the cable housing** or use the gauge molded into the supplied protective cap as shown:

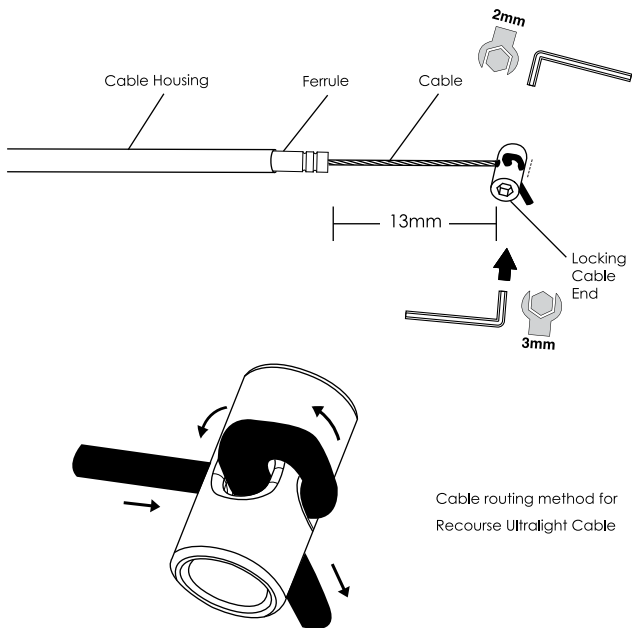


Tighten the locking cable end to the cable using both a 3mm and 2mm Hex wrench. Ensure the inner wire is flush with the locking cable end.

CABLE INSTALLATION

Option 2: Using Recourse Ultralight cable system

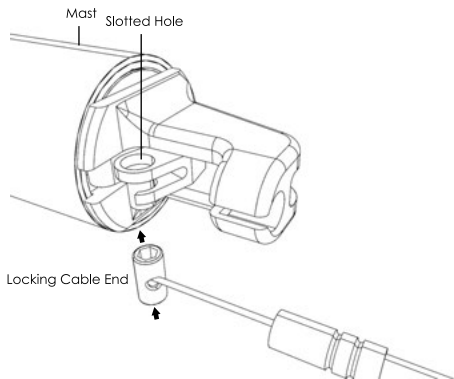
Install the LEV Integra ferrule on the cable housing. Route the Recourse inner wire as shown. Tighten the locking cable end leaving 13mm spacing as shown. Trim the excess inner wire to be flush with the locking cable end.



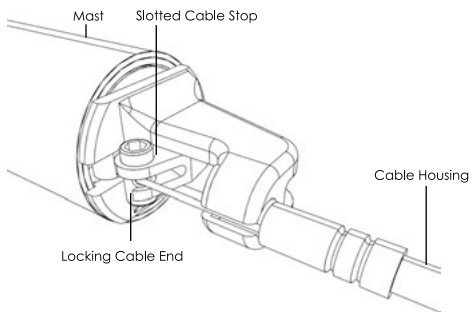
INSTALLATION

CONNECTING THE INNER WIRE

- ① Insert the Locking Cable End through the slotted hole.



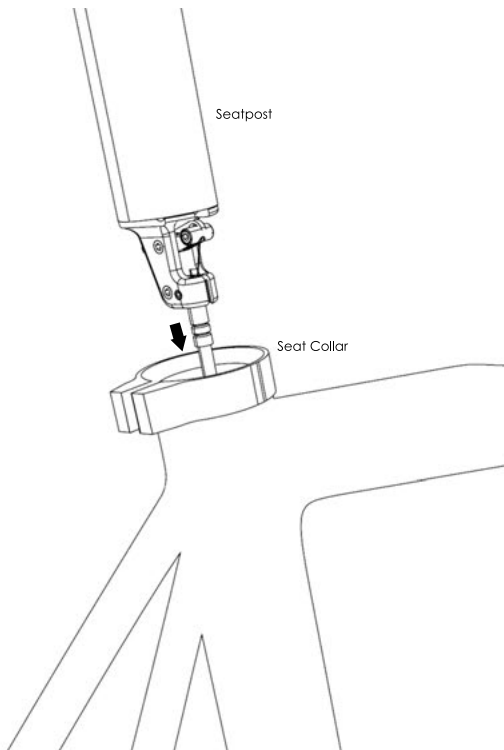
- ② Insert the housing into the slotted cable stop.



INSTALLATION

INSTALLING ON THE BIKE

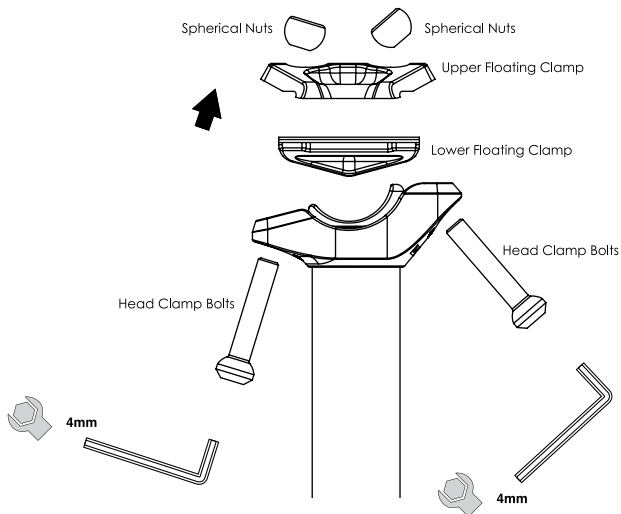
Place your seatpost into your seat collar while taking up the cable slack from where it enters the bicycle frame.



SADDLE INSTALLATION

AFTER SETTING SEATPOST ORIENTATION IN YOUR FRAME

Once you have oriented your LEV Integra seatpost within your seat tube ensuring the saddle is aligned to point forward, you will need to install your saddle. Remove the two saddle head clamp bolts, spherical nuts, upper and lower floating clamp using a 4mm Hex wrench.

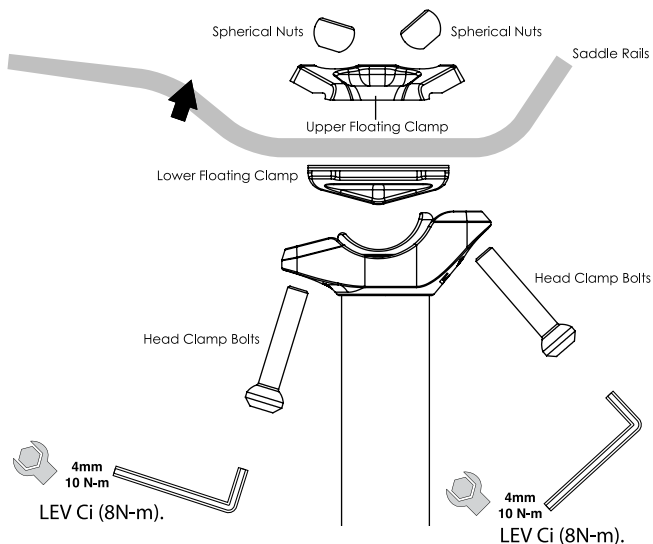


Note: The lower clamp body may slide down the stanchion tube at this point.

SADDLE INSTALLATION

To install the saddle, replace the two saddle head clamp bolts, spherical nuts, upper and lower floating clamp in the order in which they were removed.

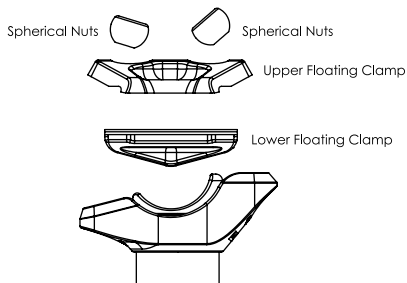
Before tightening, place the rails of your saddle between the upper and lower floating clamps so that the rails seat in the channel provided by the lower floating clamp.



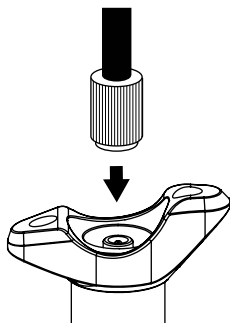
Using a 4mm Hex wrench, tighten the two head clamp bolts until the desired saddle angle is achieved. Then tighten both bolts evenly to a maximum torque of 10 N-m.

ADJUSTING THE RETURN SPEED

NOTE: All LEV Integra models come with suitable pressure for the return spring. Test the return speed of LEV Integra before you make adjustments. If air pressure adjustments still must be made, remove the saddle and saddle clamp parts at top end of the stanchion tube.



Attach a compatible shock pump and adjust to your desired pressure. KS recommends our AIR-8 High Pressure pump for best results.



NOTE: Recommended operating pressures is 100-250psi. **Do not exceed 250psi.**

USING YOUR SEAT POST

THE FIRST TIME YOU USE YOUR LEV INTEGRA

When using your seat post for the first time, it may be necessary to give the post a firm downward “nudge” to start the initial movement. This is due to the seal’s natural tendency to migrate oil away from the seal surface. This is only necessary prior to the first use or after a long period of non-use. Once the post is cycled through its travel the first time, it will distribute oil on the seal and resume its normal function.

RAISING AND LOWERING THE SADDLE

To lower the saddle, weight the saddle firmly with your hand or sit on the bike while pressing and holding the actuation lever or remote. Release the lever when the desired height is reached.

To raise the saddle, actuate your seat post by pulling the lever or handlebar remote. Unweight the saddle and release the lever when the desired height is reached.

You can raise and lower your saddle to any desired position within the seat post's travel.

SAFETY AND MAINTENANCE

BEFORE EACH RIDE

Before each ride, check that the seat post is secure in the frame and that all clamping bolts are tightened to their specified torque values. Make sure that your seat post does not show sign of excessive wear and is not leaking. Check that the seat post functions properly. Make sure that the maximum raised position of the seat post is not too high for the rider to properly maintain control of the bicycle.

PERIODIC MAINTENANCE

Your KS seat post requires periodic service to maintain consistent function. This service should be done at the same interval as a drivetrain cleaning. Please see your local dealer to have this service performed. For more information, please contact your local Service Center. Service Center contact information can be found at <http://www.kssuspension.com>.



get down and dirty

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