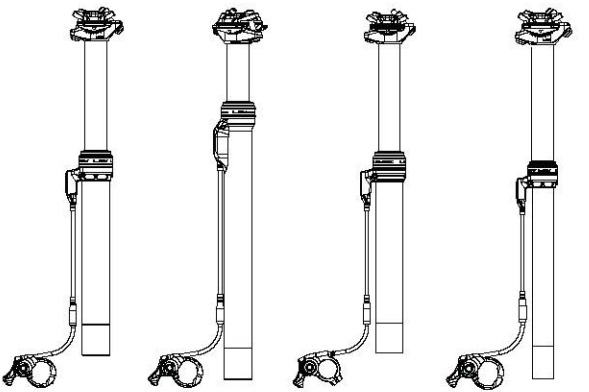
# HEIGHT ADJUSTABLE SEATPOST
# USER MANUAL



This user manual covers the following models: **LEV, LEV Carbon, LEV DX, and LEV 272**

# 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.

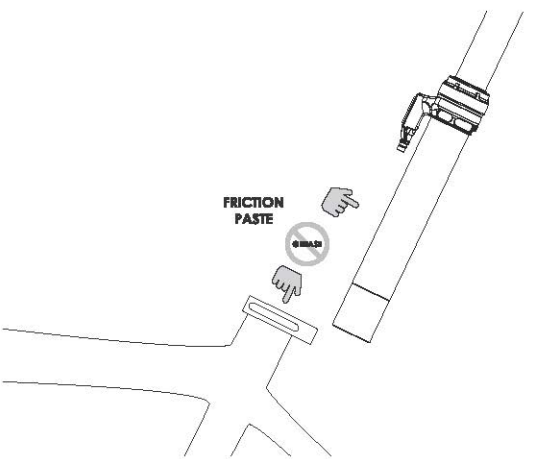
# BEFORE YOU INSTALL THE SEATPOST

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

⚠ 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.

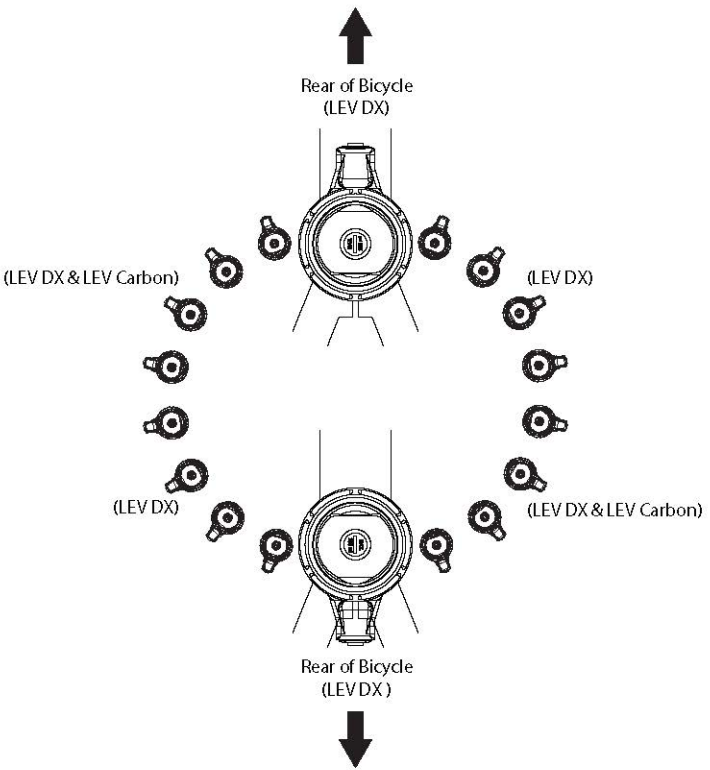
⚠ Apply a friction or anti-seize compound to the inside of the seat tube and inserted surface of the seatpost. **Do not use grease.**



# SEATPOST INSTALLATION

**SEATPOST ORIENTATION (LEV AND LEV 272)**

To accomodate all frame styles and cable routing configurations, LEV can be oriented in 20-degree increments as shown below:

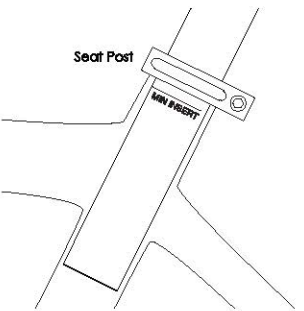


# SEATPOST INSTALLATION

### 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.

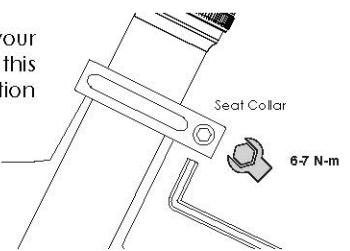
⚠ Insufficient insertion of the seat post into the bicycle frame's seat tube could result in damage to the seat post and/or bicycle and may result in a loss of control of the bicycle which may lead to serious injury or death.




### 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.

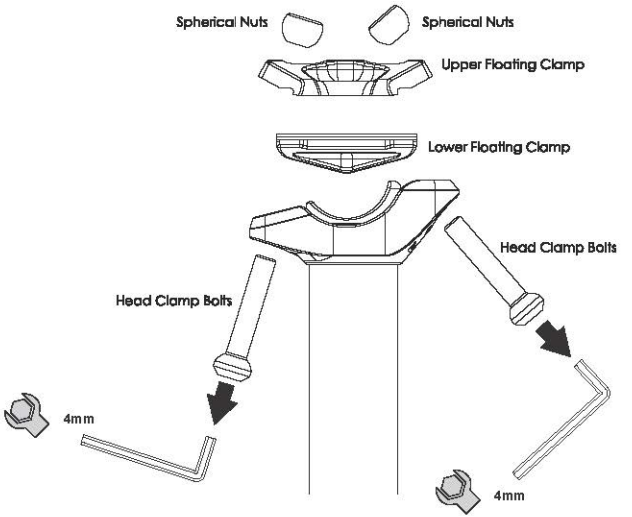
⚠ Do not over torque your frame's seat collar as this may inhibit proper function of your seat post.



# SADDLE INSTALLATION

**AFTER SETTING SEATPOST ORIENTATION IN YOUR FRAME**

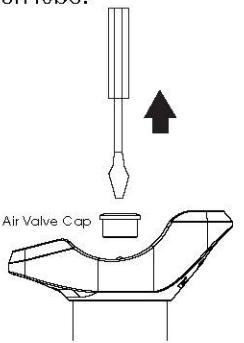
Depending on how you have oriented your LEV seatpost within your seat tube, you may need to align your saddle to point forward. To do this, please first remove the two saddle head clamp bolts, spherical nuts, upper and lower floating clamp using a 4mm Hex wrench.



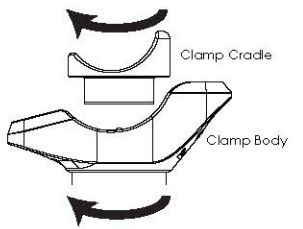

**Note:** The lower clamp body may slide down the stanchion tube at this point.

# SADDLE INSTALLATION

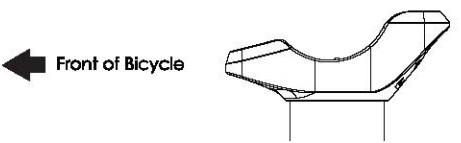
Using a flathead screwdriver, remove the air valve cap from the top end of the stanchion tube.




At this point, the lower floating clamp cradle and lower clamp body can rotate freely and be correctly oriented to the front of the bicycle.




NOTE: The low end of the lower floating clamp cradle and lower clamp body must point toward the front of the bicycle.

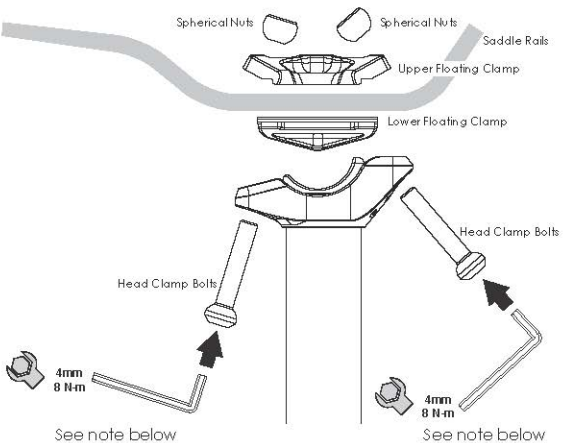


# SADDLE INSTALLATION

When the desired seatpost orientation is determined and the saddle head clamp parts have been aligned with the front of the bicycle, the saddle can then be installed.

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.

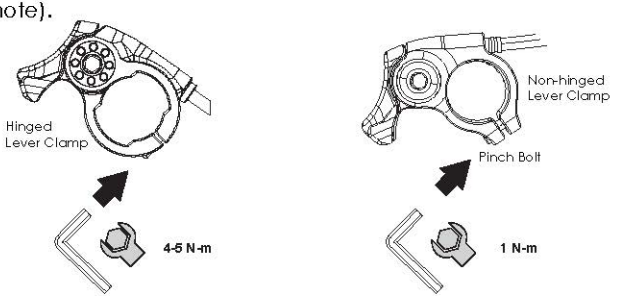



Using a 4mm hex wrench, tighten the two head clamp bolts to the maximum torque indicated on your KS dropper post head clamp. Torques may vary by model.

# REMOTE LEVER INSTALLATION

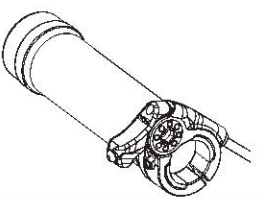
**WITH STANDARD GRIP**

Using a 3mm Hex wrench, loosen the remote lever clamp pinch bolt and remove the bolt. Open the hinged lever clamp and position it in the desired location on your handlebar. Close the clamp and install the pinch bolt. Tighten to a maximum torque of 5 N-m (LEV alloy remote) and 1N-m (LEV Integra polycarbonate remote).




**WITH ODI LOCK-ON™ COMPATIBLE GRIP**

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.



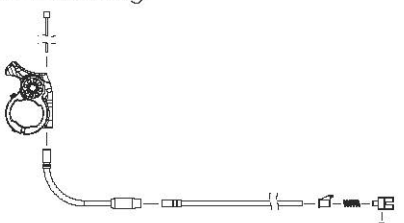
# CABLE INSTALLATION

**CONNECTING THE REMOTE LEVER CABLE FOR THE FIRST TIME:**

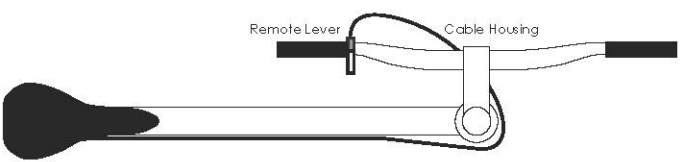
Your new LEV seatpost includes a 1700mm long cable, 1500mm long cable housing, and an in-line barrel adjuster. Depending on your own requirements, you may need to shorten the cable to minimize excess slack when mounted to your frame.

With the remote lever installed on your handlebar, route the cable housing according to your frame manufacturer's recommendations. You will need to cut the housing into two pieces to fit the in-line barrel adjuster. The total length of the two pieces of housing and barrel adjuster must be long enough to properly route from the remote lever to the seatpost.

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



**Measure the required length of cable and cable housing by turning your handlebars to their most extreme turned position.**



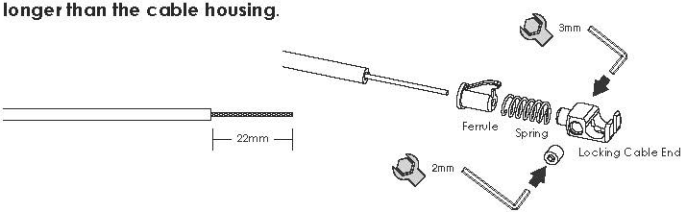
# CABLE INSTALLATION

Hold the free end of the cable and cable housing to LEV'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.**

Using the cable housing as a guide, cut the inner wire to a length **22mm longer than the cable housing**.

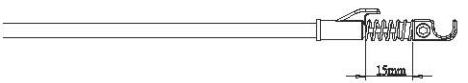


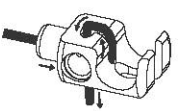

Install LEV's custom barbed ferrule, spring and locking cable end. The inner cable must not protude beyond the locking cable end which can be tightended using 2mm and 3mm Hex wrenches.

**Option 2: Using Recourse Ultralight cable system**

Install LEV's custom barbed ferrule, spring and locking cable end. Route the Recourse inner wire as shown. Tighten the locking cable end leaving 15mm spacing as shown. Trim the excess inner wire to be flush with the locking cable end.

Cable routing method for Recourse Ultralight Cable

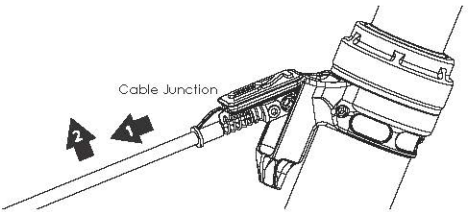


# CABLE INSTALLATION

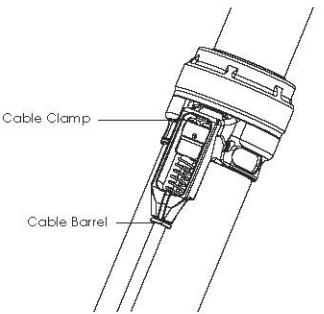
**CONNECTING THE CABLE TO THE SEATPOST**

If the cable junction cover is installed, please carefully remove it now. You may need to insert a small (1-2mm) rod such as a paper clip or small Hex wrench to gently lift the end of the cover or if you are adjusting the cable length and the cable is already installed, pull the cable out and lift up.



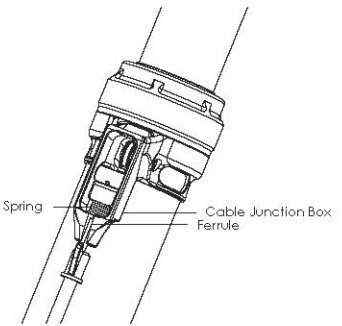

With the cable junction box open, locate the Cable Clamp within.

Slide the cable barrel into the slotted end of the Cable Clamp until the inner wire is seated in the center slot and both halves of the cable barrel are supported by the Cable Clamp.

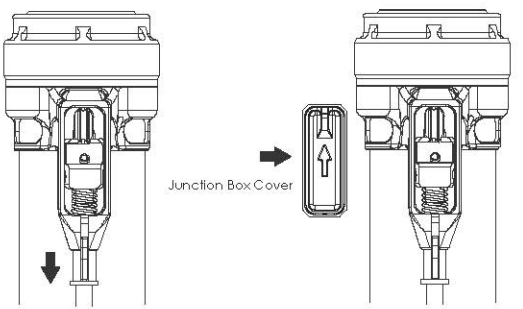


# CABLE INSTALLATION

Ensure that the spring is seated fully within the cable junction box. Pull the inner wire and cable housing against the spring until you are able to slide the barbed ferrule into the slotted guide at the base of the cable junction box.



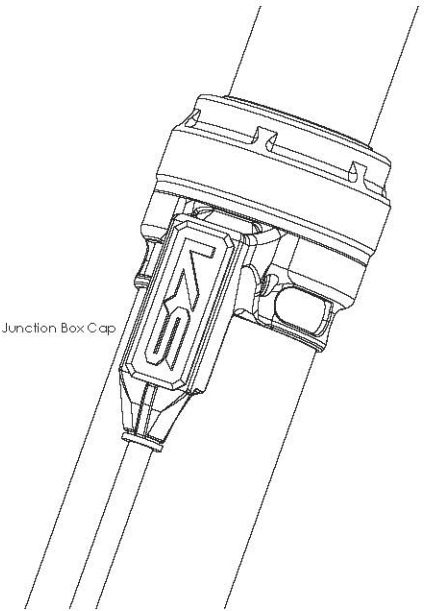

Reinstall the junction box cover. Please observe the directional indicator found on the inside of the cap.




The barb in the barbed ferrule is designed to fit within a small indent at the base of the junction box cover.

# CABLE INSTALLATION

Push the junction box cap down and the barbed ferrule up to lock it in place. Be careful not to cut or pinch the junction box cover's o-ring dust seal. If the dust seal is dry or prone to pinching, apply a small amount of grease to help it seat in the junction box.



# USING YOUR SEAT POST

**FOR THE FIRST TIME**

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**

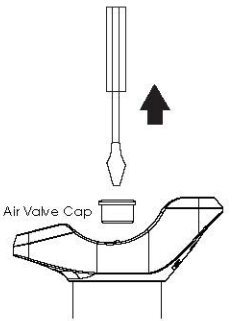
To lower the saddle, weight the saddle firmly with your hand or sit on the bike while pressing and holding the actuation lever or remote. Release the lever when the desired height is reached.

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.

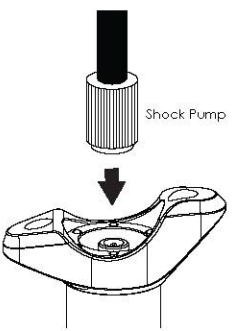
You can raise and lower your saddle to any desired position within the seat post's travel.

# ADJUSTING THE RETURN SPEED

NOTE: All LEV models come with suitable pressure for the return spring. Test the return speed of LEV before you make adjustments. Using a flathead screwdriver, remove the air valve cap from the 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 150-250psi. **Do not exceed 250psi.** LEV DX and LEV 272 are not adjustable.

# SAFETY AND MAINTENACE

**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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