



OWNER'S MANUAL
 DROPPER POST: RAINIER IR
 RAINIER 27.2, RIDGE
 LEVER: 1X LEVER KIT

Introduction:

This adjustable height seat post with internal cable routing allows for micro-adjustments using a remote handlebar mounted lever. The cable actuated lever plus your body weight allow the rider to adjust the height of their saddle without needing to dismount and lower the seat post manually, like traditional non-adjustable seat posts. Please read these instructions thoroughly before attempting to install the adjustable height seat post or handlebar mounted lever. Please keep this manual for further reference and if you have questions, please contact us at info@pnwcomponents.com.

PACKAGE CONTENTS

LEVER



LEVER CLAMP



BARREL NUT



CABLE END



DROPPER SEAT POST



CABLE



CABLE HOUSING

Package Includes:

Dropper Seat Post, Cable Housing, Cable, Lever, Lever Clamp, Barrel Nut, and Cable End.

Tools Needed for Installation:

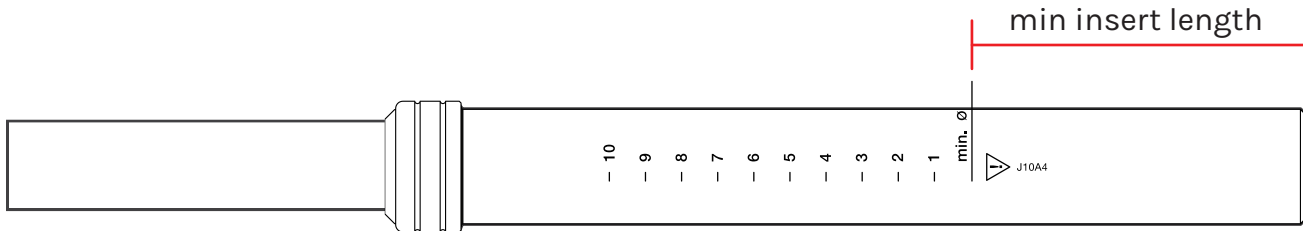
5mm Allen Wrench, 3mm Allen Wrench, 2mm Allen Wrench, and Cable Cutters.

For Bachelor Dropper Post Only: Shock Pump

INSTALLATION



- Ensure the seat post outer shaft diameter conforms to the inner diameter of your bicycle's seat tube of the frame. To verify your post arrived as the correct diameter, the diameter size is laser etched near the minimum insertion line.
- Plan the cable routing on the bike first and make sure the length of the cable and housing are correct length.
- Your frame must be compatible for internal cable routing intended for a dropper post with an 8mm hole to allow the cable to run through.
- Install your saddle on the head of the saddle, using a 5mm Allen wrench (hex wrench) to tighten at torque of 8Nm~10Nm.
- Insert the post into the frame and make sure not to insert below the Minimum Insertion Line which is labeled on the backside of the post. Tighten the seat post clamp using a torque wrench to the recommended torque as designated by your frame manufacturer.



1X LEVER INSTALLATION



1

Attach the lever to the lever clamp with a 3mm Allen Wrench.



NOTE

When attaching the lever with the lever clamp make sure to position the machined edges of the clamp and lever body together as shown in the photo.



2

Install the lever on the handlebar, position at the desired location and tighten with a 3mm Allen wrench.

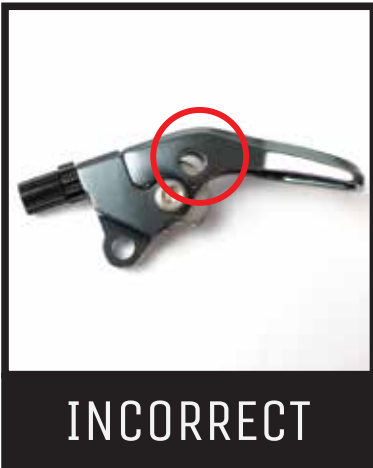
3

Insert the cable through the barrel adjuster and pull through the lever.



NOTE

The barrel nut that will be inserted into the lever has a hole for the cable to slide through and is tightened using a 2mm and 3mm allen wrench.



4

Before inserting the barrel nut into the hole, make sure it is properly inserted into the round floating center blade of the lever. **It is crucial that the barrel nut is placed into the curved portion of the floating center blade.**



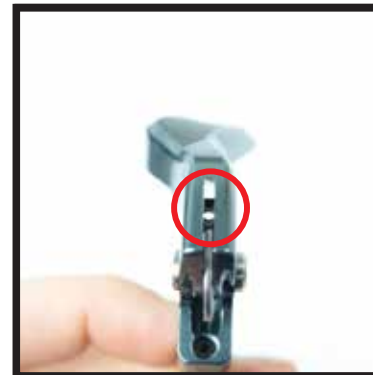
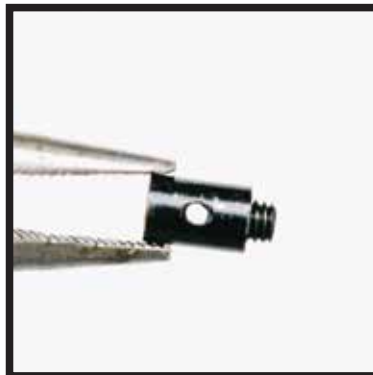
5

Insert the barrel nut into the hole (see photo).



6

Pull the cable through the lever and hole in the barrel nut until it is taut. The easiest way to do this is to open the lever, thread the cable through the barrel adjuster and create a bit of slack. The cable can now be routed directly into the barrel nut hole.



NOTE

It can be hard to see, but there is a hole in the barrel nut for the cable to slide through.



7

Tighten the bolt with a 2mm allen key on one side and a 3mm on the other side of the barrel nut.

NOTE

You may need to back off the set screw with the 2mm allen for the hole in the barrel nut to open.

8

Push the lever 5-10 times to eliminate any play in the cable.

NOTE

If there is significant play, loosen the barrel nut screw and pull more cable through. Retighten with 2mm allen key and 3mm allen on the other side to hold it in place. **For micro adjustment, turn the barrel adjuster on the lever where the cable enters.**



9

Trim the cable using cable cutters. (It is **VERY** important to use **cable cutters** and not just any-old clippers as the cable will fray.)

10

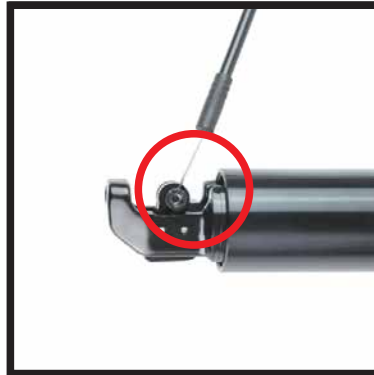
Cut cable with enough length leftover to place the cable end cap on the end of the cable. Crimp cable end cap to hold in place.

If you have any questions or concerns, don't hesitate to contact us at info@pnwcomponents.com

CABLE ASSEMBLY PROCESS

WARNING

DO NOT DRILL OR MODIFY YOUR FRAME IN ANY WAY. Doing so will void the Warranty. Modification of your frame in any way may result in frame failure which would result in injury or death.



1

Insert the cable end into the actuator rod, as shown.



2

Pull the actuator rod and insert the cable through the slot, set the cable housing into the bottom housing holder.

3 Internally route your housing through your frame according to your frame manufacturer's recommendations.

4 Insert the post into the seat tube, make sure not to insert below the minimum insertion line which is labeled on the backside of the post.

5 Tighten the seat post clamp using a torque wrench to the recommended torque as designated by your frame manufacturer.

OPERATION



TO LOWER SEAT POST:

Push the remote lever with your thumb and apply your body weight to the saddle. This model of post can be set at any height within the designated travel range. We call this "infinite adjust". Before releasing your body weight off the saddle, release the remote lever. The saddle will remain at the desired height.

TO RAISE SEAT POST:

Remove body weight from the saddle and push the remote lever with your thumb. Again, this post can be set at any height within the designated range. Once you have found the desired saddle height, release the remote lever.

NOTES:

If the seat post is lifted while in the lowered position, the post stanchion (inner tube) will extend from the outer post tube. This is normal and it will return to the proper position once weight is applied to the saddle. Picking up the bike by the saddle can also cause a temporary "spongy" feel.



WARNING

Do not attempt aggressive riding until you are totally familiar with the operation and function of the seat post. NOTE: You will become familiar with this simple procedure quickly with practice.

Adjusting the Dropper Post position while riding may result in loss of control due to body weight adjustment. Please be careful!

MAINTENANCE

Routine maintenance of the Dropper Post will provide longevity and proper performance of the post.

Before every ride: Clean the exposed portion of the post stanchion (inner tube) with a clean cloth and make sure to clean around the seal wiper as well.

Check www.pnwcomponents.com for detailed maintenance instructions.



WARNINGS

The following warnings are extremely important. Please read each thoroughly and ensure you understand before using the Dropper Seatpost. If you have questions about any of the below, please contact us immediately at <http://www.pnwcomponents.com/pages/contact-us>

- Incorrectly identifying the correct seat post diameter for the particular bicycle frame seat tube that the Dropper Seatpost will be installed into can result in slippage or failure, causing serious personal injury or death.
- Activating the remote lever or release arm on the head of the Dropper Post will cause it to rise up quickly. Do not operate until the saddle is installed on the seat post and the post installed on the bike, as described prior in this manual.
 - Always make sure nothing is in the way of the post as it is inserted into the frame. Forcing the post into the frame if it feels resistance could cause damage to the frame. Especially with some full-suspension design frames, pivots or bends in the seat tube could prohibit the post from being inserted to desired height.
- Do not adjust the height of the Dropper Post while riding the bicycle as it may result in loss of control and potential bodily injury. It is recommended that the height of the saddle is adjusted when stopped.
- It is essential to keep out of mud and water.
- When storing for extended periods, keep the seat post in the fully extended (up) position.
- Do not loosen the main cap. Ensure the main cap is fully tightened all the time.
- Always use lower torque recommendation by the manufacturer when installing this dropper post.
- If you are not an experienced bicycle mechanic, or do not have the correct tools for this installation, please take the seat post with instructions from this Owners Manual to your preferred bicycle retail shop and have them perform the installation.

WARRANTY

This Dropper Post is warranted for a period of three (3) years from the date of purchase against defects in workmanship. The warranty is expressly limited to the repair or replacement of the defective part at PNW Components, LLC's discretion 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 manner shall void the warranty.

Any damage caused by the Seatpost to the bicycle frame is not covered by the warranty. PNW Components, LLC shall not be responsible for incidental or individual costs incurred 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 which vary from state to state and province to province.