

# GravityDropper Seat post

## Owners Manual



### **Warning!**

**\*Seat post is in compressed position. Do not actuate post until installed on bike.**

**\*Magnetic Warning- No person with pacemaker should come in close contact. Computer disks, credit cards or any other items affected by magnetic fields will be damaged if they come in contact with the post.**

**\*GravityDropper should be installed by qualified bike mechanic**

**\* Make sure to use the enclosed rubber boot to keep mud and water out. When storing for extended periods, keep in the up position**

### **Mounting instructions**

1. Remove existing post from the bike. Clean and check for deformations and burrs.
2. If your bike does not use a 27.2 size seat post. Insert proper shim.
3. Insert GravityDropper post into bike. Just estimate a seat height and tighten bolt slightly. The post can be positioned with unit facing forward or backward.
4. Install thumb switch on handlebar. (Make sure you ran the cable properly)
5. Install seat on the post
6. Push thumb switch (and hold), push down on seat lightly and post will pop up into high position.
7. Now position the seat height to desired height and tighten seat-clamp. **Warning:** Over tightening will damage unit and cause not to function up and down smoothly. Also make sure you have inserted the post at least 3 inches into the seat tube on your bicycle so as not to damage post or bicycle frame.
8. Install plastic cable holders (included) to top tube and fasten the small zip ties.

Note: If cable housing is too long, remove cable from thumb switch and see (Item 12) (Under Changing Cable instructions)

If cable housing is too short, see Changing Cable instructions

## Complete Overhaul

1. Remove seat post from bicycle
2. Remove bottom cap nut of seat post (**Warning: Seat post has a spring inside and is under pressure, keep face away and remove cap slowly**)
3. Clean dirt and replace any internal parts as needed. Kits are available from manufacturer.
4. Re-assemble and install on bike

## Trouble Shooting

Post Sticky when moved up and down

1. Make sure you didn't over tighten your seat clamp
2. See cleaning and maintenance
3. Increase pressure by turning clockwise bottom cap nut (On bottom of seapost, Item 68)

Switch will not engage

1. Remove bottom of Boot to reveal top **cap** (Item 52), make sure not **too tight or too loose**. Be careful not to pull the top of the **boot** off top portion. (**boot should be positioned above the lip on inside tube**)
2. Increase tension on slider bar by turning tension set screws 1 full turn (located on bottom of the unit attached to the post)
3. Make sure you don't have cable slack caused from cable stretch in thumb switch

For other questions, e-mail [Sales@gravityDropper.com](mailto:Sales@gravityDropper.com)

## Replacement Parts/ Warranty

Replacement parts are available from the factory or local bike shop.

GravityDropper has a 6 month limited warranty against component defects. Components that have been damaged or neglected by the purchaser are not covered under warranty. Prior authorization is required prior to returning for warranty replacement. Shipping and handling charges are not covered by the warranty.

\*\*\*\*\*Refer to assembly drawing for component description.\*\*\*\*\*

## Operating your seat post

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.

**To lower seat post-** Push (and hold) thumb switch, unweight seat and then sit down. As seat is moving down, release thumb switch. Seat is now locked in down position.

**To Raise seat post-** If sitting on seat, push (and hold) thumb switch, and standup. As seat rises, release thumb switch. If standing, push (and hold) thumb switch, tap seat with the buttocks and release thumb switch. Seat will now be locked in up position.

## Changing Cable (Note: This should be performed by qualified mechanic)

1. Remove thumb switch lid (Item 64)
2. Loosen the two 0/40 cable set screws in switch arm. Use a .050 hex wrench. (Item 29)
3. Remove cable from the thumb-switch
4. Remove the two cap screws on seat post body and remove lid. (Item 134 and 132)
5. Using a marker, put a "T" on top of the lower magnet
6. Remove magnetic slider bar and springs (Item 140 and 158)
7. Remove lower magnet. Removal requires extreme caution. It can be pressed out using a vise or a punch.  
**Warning:** It is critical this magnet be returned to original position.
8. Remove old cable and replace with a new cable. When installed, be sure cable end clears magnet cavity.
9. Re-Install lower magnet (Be sure to have "T" facing up) (Item 150)
10. Install springs into slider bar and reinstall into main body
11. Fasten lid (Item 132)
12. Cut cable housing to desired length and install over cable.
13. Cut cable leaving ½ inch exposed and install into thumb switch and arm
14. Tighten set screws and check for proper operation (Item 29)
15. Install thumb switch lid

## Cleaning and Maintenance

Periodic cleaning and lubrication is recommended

1. With post in the up position, lift lower portion of boot and remove top cap (Item 52)
2. Press switch (and hold) gently pull out inner post
3. Thoroughly clean and re-lube. Use a light lithium grease
4. press thumb switch (and hold) reinstall inner tube and tighten cap