

# **SDG** **TELLIS DROPPER SEAT POST**

## **TELLIS Dropper Seat Post Installation Procedure**

### Tools required

- 2.5mm hex key
- 3mm hex key
- 5mm hex key
- Cable cutters

1. Install seatpost to bike, noting orientation (height markers facing to the rear).
2. Install saddle to seatpost, note directional arrows of rail clamps point forward.
3. Use the 5mm hex to adjust saddle to desired position.
4. Set seatpost to correct ride height, use height mark for final fitting and remove from bike.
5. Install lever to handlebar and adjust to desired position, use 3mm hex and tighten to 1.6Nm.
6. Route housing through frame as per manufacturer's specification.
7. Route housing to lever (fitting housing endcap) to determine required length of housing (rotate bars to ensure the cable is long enough, does not bind or interfere with other cables or parts).
8. Use cutters and cut housing level with top of the seat tube.
9. Measure from height marker to base of actuator.
10. Feed housing through frame and out of seat tube enough to cut required measurement from housing and install housing endcap.
11. Route inner cable through housing starting from seatpost toward lever.
12. Leaving 20mm of exposed inner cable.
13. Load head of inner cable into black actuator lever.
14. Pull inner cable tight, ensure housing is fully located in endcap and actuator.
15. Take lever and add 3 notches of clockwise adjustment to the barrel adjuster.
16. Route inner cable through lever, ensure housing endcap and is fully engaged.
17. Use 2.5mm hex to tighten cable clamp bolt to 1.2Nm.
18. Fine tune the distance from housing end cap to cable head distance to 10mm by using the barrel adjuster.
19. Use cable cutters to trim inner cable to 10/15mm of exposed inner cable.
20. Securely fit inner cable endcap and crimp.
21. Insert seat post and adjust saddle to required height.
22. Install lever to handlebar and adjust to desired position.
23. Use 3mm hex and tighten lever to 1.6Nm.
24. Activate post to ensure smooth operation and that seatpost is achieving both full travel.

# **SDG** **TELLIS DROPPER SEAT POST**

## **TELLIS Dropper Seat Post Removal Procedure**

Tools required

- 3mm hex key
- Frame specific

1. Note position of seatpost height marker and position of lever.
2. Use 3mm hex slacken and remove lever clamp bolt and free lever from handlebar.
3. Slacken seatclamp as per bike manufacturer specification.
4. Remove seatpost while guiding cable through frame.
5. Remove cable from actuator, ensure cable outer ferrel pulls free actuator housing stop.
6. Remove inner cable from actuator lever.

## **TELLIS Dropper Seat Post 120 Hour Service Procedure**

The 120 hour service can be carried out with the seatpost in the frame. Ensure the seatpost and saddle are clean and free from debris ready for disassembly. SDG recommends non-corrosive bike cleaner and light grease such as Slick Honey or Slickoleum.

1. Use strap wrench to slacken seal collar ring counter clockwise.
2. Remove collar ring and slide to the head of the stanchion to give access to the base of the stanchion.
3. Use a non-corrosive cleaner/degreaser clean all old grease from post and collar.
4. Inspect collar seal and stanchion for damage or wear.
5. Apply a finger full of light grease.
6. Re-fit seal collar and tighten with strap wrench.
7. Cycle seatpost through full travel several times to lubricate stanchion.

# **SDG** **TELLIS DROPPER SEAT POST**

## **TELLIS Dropper Seat Post 400 Hour Service Procedure**

Remove seatpost from bike, remove saddle and mounting hardware from seatpost. Ensure seatpost is clean and free from debris ready for disassembly. SDG recommends a non-corrosive cleaner.

### Tools required

- 2.5mm hex
- 10mm hex
- Tellis cartage service tool
- Strap wrench
- Flat blade
- Plastic hammer

1. Mount seatpost in a vice with soft jaws/clamp, ensure orientation of seatpost with height markers facing upwards.
2. Use 10mm hex to slacken actuator by turning counter clockwise and remove by hand.
3. Access the cartridge locknut by moving the cartridge bump stop up the cartridge shaft.
4. Attach cartridge lock nut removal tool to cartridge shaft.
5. Use 10mm hex and unscrew actuator to remove actuator from locknut.
6. Remove locknut from shaft.
7. Use 2.5mm hex to slacken cartridge the grub screw securing the cartridge 3 half turns counter clockwise.
8. Cartridge should now be loose and can be removed from the seatpost.
9. Use strap wrench to slacken seal collar ring by turning counter clockwise.
10. Remove collar ring and slide to the head of the stanchion to give access to the base of the stanchion.
11. Use flat blade (and plastic faced hammer if required) to pry the bushing from post.
12. Slide stanchion from post.
13. Thoroughly clean and degrease stanchion and post.
14. Inspect seal ring, keyways and all bushings for wear, use replacement kit 09492 if required.
15. Lightly grease stanchion.
16. Apply a finger full of grease to the head of the post.
17. Slide stanchion into post, align keys with keyways until keys engage (check correct orientation of clamp head).
18. Install upper bush into post.
19. Apply grease and thread seal collar onto post, tightening with strap wrench.
20. Check stanchion is free moving in post achieving full travel.
21. Apply a light grease to the head and base of the cartridge.

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22. Insert cartridge noting correct orientation with flat of cartridge head tip flat face up.
23. Check cartridge is fully inserted.
24. Use 2.5mm hex and tightened the grub screw securing the cartridge 3 half turns clockwise.
25. Check the cartridge is locked in place with no free rotational movement.
26. Thread the cartridge locknut to the cartridge shaft and tighten with cartridge service tool.
27. Thread the actuator onto the cartridge locknut and tighten with 10mm hex.
28. Thread actuator into base of seatpost and tighten with 10mm hex.
29. Check operation of seatpost, refit saddle and mount on bike.

## **Replacing Kit 09492**

1. Remove lower bushing from stanchion.
2. Use flatblade and carefully remove keys.
3. Remove upper bushing.
4. Remove seal collar ring.
5. Thoroughly clean stanchion.
6. Lightly grease stanchion.
7. Install seal collar ring.
8. Install upper bushing.
9. Install lower bushing.
10. Insert keys at base of stanchion and grease.
11. Apply a finger full of grease to the head of the post.
12. Slide stanchion into post, align keys with keyways until keys engage (check correct orientation of clamp head).
13. Fully slide stanchion into post ensure keys locate correctly.
14. Install upper bushing into post.
15. Apply grease and thread seal collar onto post, tightening with strap wrench.
16. Check that stanchion is free moving in post achieving full travel.

# **SDG** **TELLIS DROPPER SEAT POST**

## **TELLIS Actuator Removal/Replacement Procedure**

Remove seatpost from bike, the saddle can be left in place. Ensure seatpost is clean and free from debris ready for disassembly. SDG recommends a non-corrosive bike cleaner.

### Tools required

- 10mm hex
- Tellis cartridge service tool

1. Mount seatpost in vice with soft jaws/clamp, ensure orientation of seatpost with height markers facing upwards.
2. Use 10mm hex to slacken actuator by turning counter clockwise and remove by hand.
3. Access the cartridge locknut by moving the cartridge bump stop up the cartridge shaft.
4. Attach cartridge lock nut removal tool to cartridge shaft.
5. Use 10mm hex and unscrew actuator, remove actuator from locknut.
6. Remove locknut from shaft.
7. Thread the cartridge locknut to the cartridge shaft and tighten with cartridge service tool.
8. Thread the actuator onto the cartridge locknut and tighten with 10mm hex.
9. Thread actuator into base of seatpost and tighten with 10mm hex.
10. Check operation of seatpost and mount on bike.

# **SDG** **TELLIS DROPPER SEAT POST**

## **TELLIS Cartridge Removal/Replacement Procedure**

Remove seatpost from bike, remove saddle and mounting hardware from seatpost. Ensure seatpost is clean and free from debris ready for disassembly. SDG recommends a non-corrosive cleaner.

### Tools required

- 2.5mm hex
- 10mm hex
- Tellis cartage service tool

1. Mount seatpost in a vice with soft jaws/clamp, ensure orientation of seatpost with height markers facing upwards.
2. Use 10mm hex to slacken actuator by turning counter clockwise and remove by hand.
3. Access the cartridge locknut by moving the cartridge bump stop up the cartridge shaft.
4. Attach cartridge lock nut removal tool to cartridge shaft.
5. Use 10mm hex and unscrew actuator, remove actuator from locknut.
6. Remove locknut from shaft.
7. Use 2.5mm hex to slacken cartridge securing grub screw 3 half turns counter clockwise.
8. Cartridge should now be loose and can be removed from the seatpost.
9. Apply a light grease to the head and base of the cartridge.
10. Insert cartridge noting correct orientation with flat of cartridge head tip flat face up.
11. Check cartridge is fully inserted.
12. Use 2.5mm hex and tightened cartridge securing grub screw 3 half turns clockwise.
13. Check the cartridge is locked in place with no free rotation movement.
14. Thread the cartridge locknut onto the cartridge shaft and tighten with cartridge service tool.
15. Thread the actuator onto the cartridge locknut and tighten with 10mm hex.
16. Thread actuator into base of seatpost and tighten with 10mm hex.
17. Check operation of seatpost, refit saddle and mount on bike.