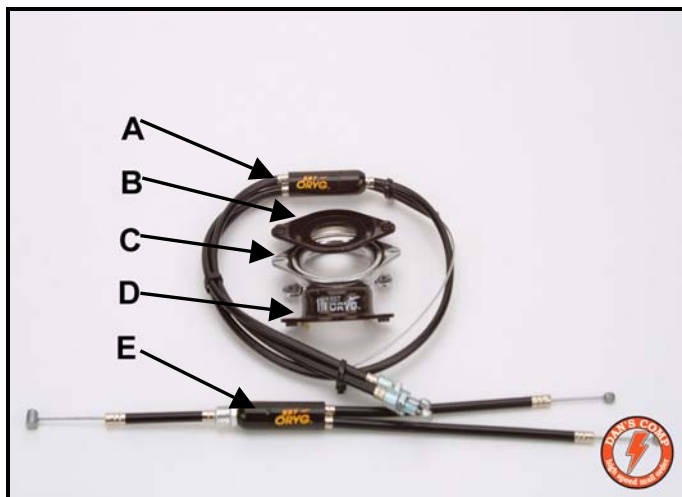


## SST Oryg Install



### Part Description

- A. Lower Cable
- B. Upper Cable Stop Plate \*
- C. Bearing Unit
- D. Lower Cable Stop Plate \*\*
- E. Upper Cable

\* Do not use if you are using a stem with built in gyro tabs.

\*\* Do not use if installing on a frame with built in gyro tabs.

1 1/8" SST Oryg. Part # 510003

1 1/8 Headset Spacers (2,4,5 or 12mm) Part # 309045

### Tools Needed

1. Rubber or wooden mallet
2. 10mm open-end wrench\*
3. Punch
4. Cable cutters\*
5. 3 way allen wrench (4,5,6mm)\*
6. Adjustable Wrench\*
7. Hammer

\* Tools used from the Professional tool kit. Part # 811110  
 Park PCS-1 Home Work Stand Part # 811356  
 Phil Wood grease 3oz. Tube. Part # 811195



### Step One

### Remove the upper headset cup

- Skip this step if you are installing this on a frame that does not already have a headset installed.
- Remove the Compression bolt from the top of the steerer tube of the fork.
- Loosen the bolts that hold the stem tight, slide the stem off of the steerer tube of the fork.
- Remove the upper headset assembly. This will vary depending on the model of headset being used. Pay close attention to how the upper bearing assembly comes apart.
- Slide the fork out of the frame
- Remove the upper headset cup from the frame by inserting a long punch up through the bottom cup. Seat the end of the punch on the inside lip of the headset cup. Tap on the end of the punch with a hammer to drive the cup out of the frame.

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## SST Oryg Install

### Step Two



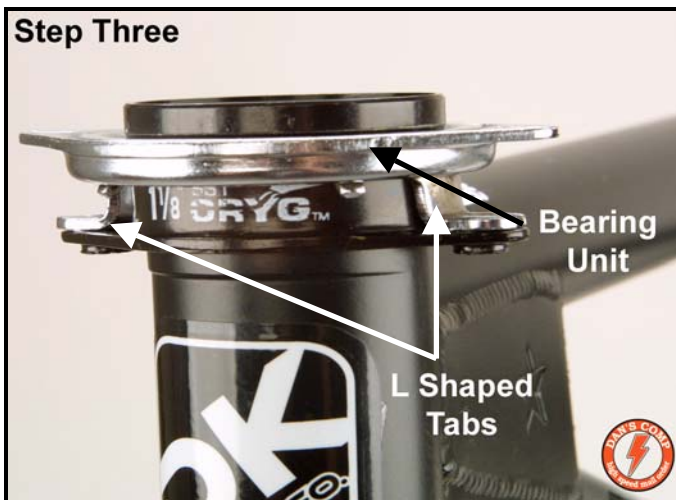
### Installing the lower cable stop plate

- Skip this step if your frame has gyro tabs already welded to the headtube.
- Slip the lower cable stop plate over the headtube.
- Use a small amount of grease or light oil to lubricate the inner surface of the headtube.
- Install the upper headset cup into the frame using a bearing press. You can use a wooden or rubber mallet if you do not have a bearing press.
- Lay the frame on a workbench or something strong to support it while installing the bearing cup.

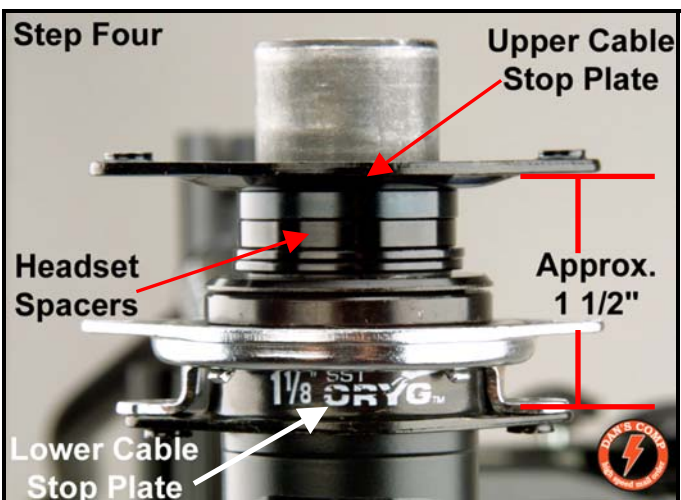
### Installing the Bearing Unit

- Slip the bearing unit over the upper headset cup and lower cable stop plate.
- The two small L shaped tabs go on the bottom (See picture).
- The bearing unit is designed to allow dirt and water to pass through it. DO NOT grease the bearings.

### Step Three



### Step Four

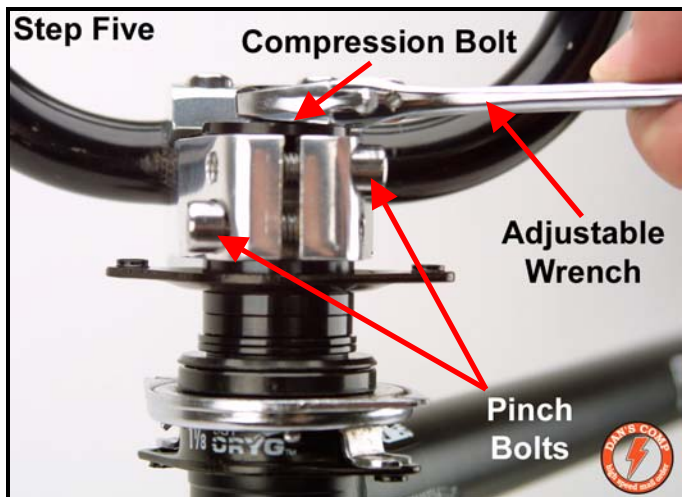


### Installing the fork and upper cable stop plate

- Grease both upper and lower cups and bearings.
- Slip the bearing over the steerer tube of the fork and place it on the lower fork race.
- Insert the steerer tube of the fork into the headtube of the frame.
- Insert the upper bearing in the cup.
- Slide the upper bearing race and compression ring over the steerer tube.
- Add headset spacers (*not included*). You should have approximately 1 1/2" between the top of the lower plate and the bottom of the upper plate (See Picture).
- Slip the upper cable stop plate onto the steerer tube. The recessed side of the plate faces up.

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## SST Oryg Install

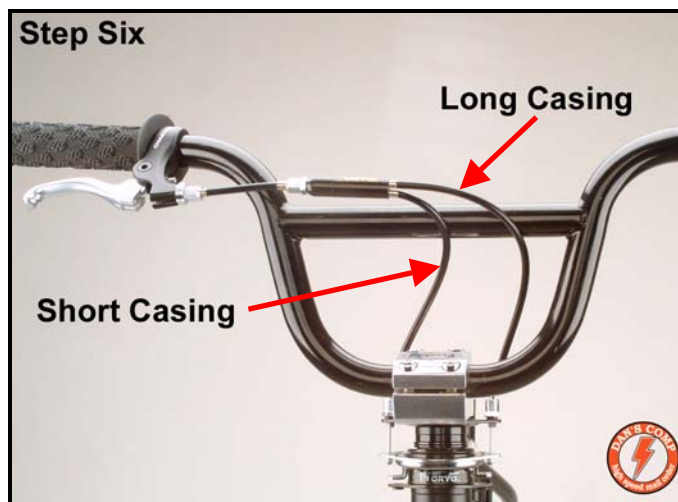


### Installing the stem

- Place a 3 - 5mm headset spacer (*not included*) on top of the upper cable stop plate.
- Loosen the pinch bolts of the stem with an allen wrench.
- Slide the stem onto the steerer tube. DO NOT grease the steerer tube. Lightly tighten the pinch bolt. This will help hold everything together.
- Thread the compression bolt into the top of the steerer tube. And tighten with an adjustable wrench (*See Picture*).
- Spin the fork and handlebars as you are tightening the compression bolt to make sure the bearings spin smoothly and this will also help determine if the headset is tight.
- Align the stem, upper cable stop plate and fork as much as possible. You can re-align them later.
- Tighten the pinch bolts on the stem with an allen wrench.

### Installing the upper cable

- Make sure the lock nuts are threaded all the way on the adjusting barrels.
- Completely thread both of the adjusting barrels of the upper cable into the upper cable stop plate. The short cable casing goes on the same side as the rear brake lever (*See Picture*). Do not tighten the lock nuts yet.
- Route the cable through the handlebar (*below the crossbar*).
- Insert the lead barrel end of the upper cable into the slot in the rear brake lever and thread the adjusting barrel all the way in.
- Slip the two small lead ball ends of the cable into the upper tabs on the bearing unit.
- Do not adjust at this time.

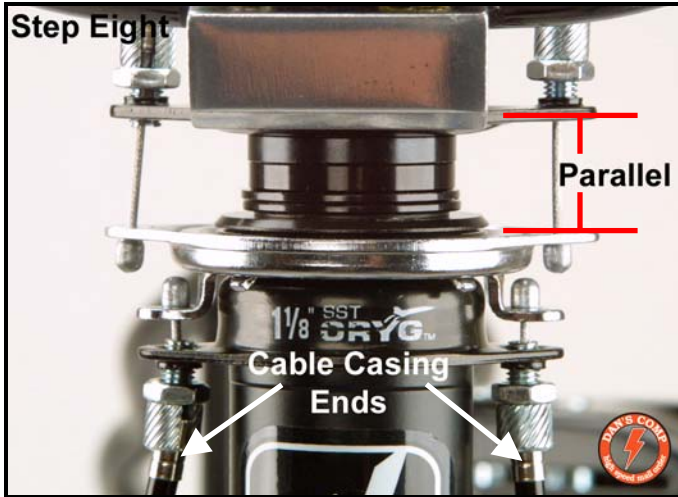


### Installing the lower cable

- Make sure the lock nuts are threaded all the way on the adjusting barrels
- Completely thread both of the adjusting barrels of the lower cable into the lower cable stop plate. Do not tighten the lock nuts yet.
- Slip the two small lead ball ends of the cable into the lower tabs on the bearing unit.
- Determine how long the casing needs to be. This will vary depending on the frame and type of brake being used. Be sure you pull the casing off the inner cable when cutting to the desired length. Slide the inner cable back into the casing and route the cable through cable guides on the frame or use cable ties if your frame does not have welded cable guides.
- Connect the cable to the rear brake. Do not adjust the brake yet.

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## SST Oryg Install



### Adjustments

- Screw the adjusting barrels on the upper plate in or out until the bearing unit is as far down as possible without resting on the lower plate or the adjusting barrels in the lower plate.
- Check to make sure all of the cable casing ends are seated completely into the adjusting barrels.
- Use the adjusting barrels on the upper plate to make the bearing unit parallel to the upper plate (*See Picture*).
- Screw the adjusting barrels on the lower plate in or out until they are close to the lower tabs of the bearing unit.
- Screw the adjusting barrels on the cable splitter of the upper cable and the rear brake lever out until all of the slack is removed. Do not thread the adjuster in the splitter out more than 8mm. Use the adjusting barrel in the lever if more adjustment is needed.
- Check for bearing flop by placing the handlebars in the normal riding flop. Rotate the bars about a 1/8 turn. If the bearing flops, turn the adjusting barrels on the lower plate in or out until the flop goes away. Make sure the bearing unit is not resting on the lower plate or the adjusting barrel.

### Finally...

- Tighten the lock nuts on the upper and lower cables using a 10mm open-end wrench (*See Picture*). Hold the adjusting barrel with one hand to keep it from turning with the lock nut.
- Rotate the handlebars 360 degrees and recheck for bearing flop.
- If bearing flop occurs, loosen the lock nuts and re-adjust the adjusting barrels.
- Check the alignment of your forks and handlebars.
- Make sure the pinch bolts in the stem are tight.
- Finish adjusting the rear brake.



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