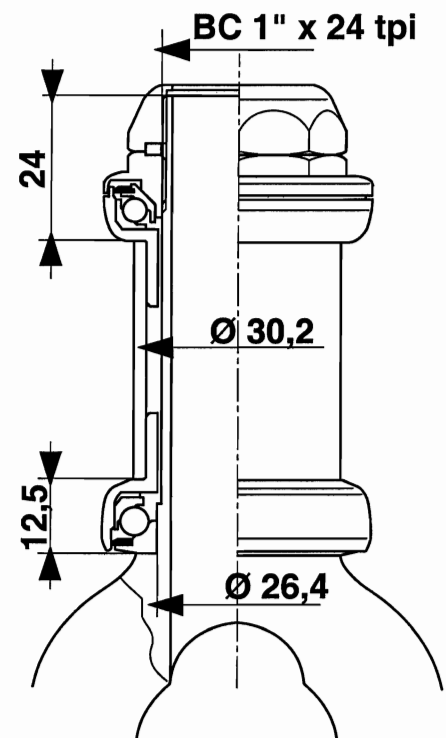
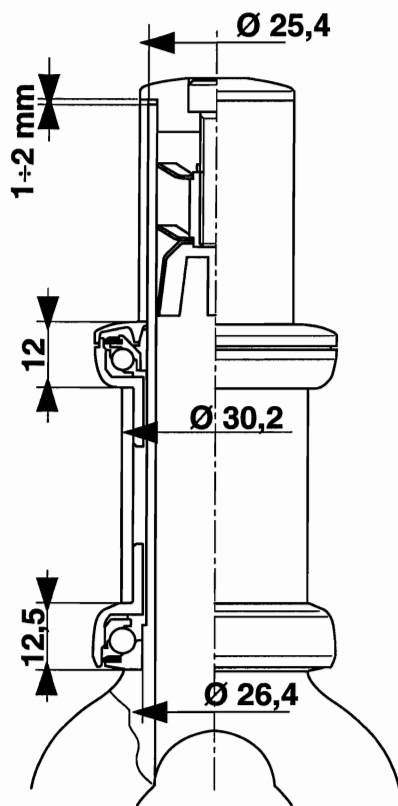


Campagnolo®



1993-2000 Headset Overhaul manual

THREADED HEADSET OVERHAUL INSTRUCTIONS

Tools needed:

1. 2 headset wrenches (Campagnolo tool # 712 & 712/1)
2. Headset press tool (Campagnolo tool #733)
3. Fork crown race removal tool (Campagnolo tool #729)
4. Headset cup remover (Campagnolo tool # 723)

Headset Disassembly & Removal

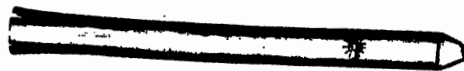
1. Remove front wheel from bicycle.
2. Disconnect all cables from shifters and brakes, then remove handlebars and stem from steerer tube of fork. It is not necessary to remove stem completely from the handlebars.
3. Using the headset wrenches, hold the upper cup steady while you loosen and remove the locknut and the lock washer.
4. Remove the upper cup. Be careful not to let the fork drop as the upper cup threads off the steerer tube.
5. Remove bearings from upper cone in the head tube and from lower cone on the fork. Set them aside.
6. Clean all cup and cone surfaces with a mild degreaser. Also clean the bearings very well.
7. Inspect all bearing surfaces, and the surfaces of all cups and cones. It is recommended that any worn or discolored parts be replaced. **DO NOT MIX NEW PARTS WITH OLD WORN PARTS!**
8. Always use the correct tools for replacing worn parts. To remove cups and cones from the head tube, use Campagnolo tool #723. To remove the lower cone from the fork crown, use Campagnolo tool #729. To reinstall cups and cones into the head tube, use Campagnolo tool #733.

Headset Reassembly & Adjustment

1. Inspect all parts of headset before reassembly. Also inspect head tube and steerer tube for any cracks or fatigue.
2. Reinstall any cups/cones removed from the head tube as well as the lower cone if removed from steerer tube.
3. Apply a generous coat of white lithium grease to lower cone. Slide bearings over end of steerer tube, and seat them on lower cone. Apply a generous coat of white lithium grease on the bearings.
4. Apply a generous coat of white lithium grease into the lower cup and onto the upper cone in the head tube.
5. Insert the steerer tube into the head tube being careful to keep the fresh grease on the lower bearings clean.
6. Slide upper bearings over end of steerer tube and seat them onto the upper cone, being careful to keep them clean.
7. Thread upper cup onto end of steerer tube and tighten until finger tight.
8. Install the lock washer, being sure it is seated into the keyed slot in the steerer tube.
9. Thread the lock nut onto the end of the steerer tube and tighten until finger tight.
10. Reinstall handlebars and tighten stem fixing bolt as you would during normal stem installation.
11. Reconnect front brake cable, while being sure calipers are straight.
12. While holding firmly on the front brake lever so as to lock the front brake; rock the bike from front to rear. At the same time, hand tighten the upper cup until there is no more "knock".
13. Once you have tightened the upper cup, tighten the lock nut down with the headset wrenches. It is best to use both wrenches. Use one wrench to hold the upper cup in place while tightening with the other.
14. Be very careful not to overtighten the upper cup as this will damage the headset and shorten its lifespan.

15. Reconnect all cables as they previously were. Check shifting and braking making any necessary adjustments.

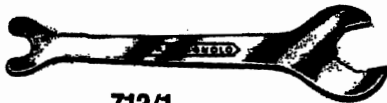
16. Reinstall front wheel being sure quick release is properly closed.



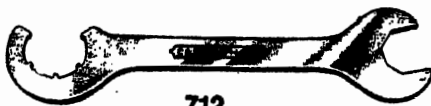
723



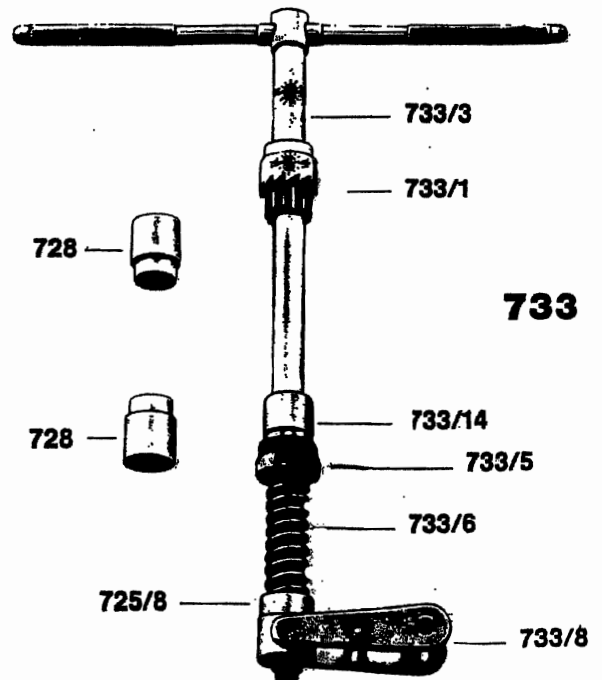
729



712/1



712



THREADLESS HEADSET OVERHAUL INSTRUCTIONS

Tools required:

1. Correct size Allen key for stem fixing bolt
2. 5mm Allen key
3. Headset press tool (Campagnolo tool #733)
4. Fork crown race removal tool (Campagnolo tool #729)
5. Headset cup remover (Campagnolo tool # 723)

Headset Disassembly & Removal

1. Remove front wheel from bicycle and set aside.
2. Disconnect all cables at the derailleurs and at the brake calipers. Remove the top cap of the headset with the 5mm Allen key.
3. Loosen the stem-fixing bolt enough to remove the stem from the steerer tube of the fork. You can leave the handlebars installed on the stem.
4. Press down on top of steerer tube while holding the fork at the fork blades. This will allow you to remove the bearing cover from the steerer tube. Be sure not to allow the fork to drop from the frame and become damaged.
5. Remove the clear plastic cone locator from the steerer tube. It may be attached to the cone itself, which is normal. Keep in mind, when you remove these from the steerer tube, you must hold the fork or it will fall to the ground.
6. Slide fork all the way out of the frame. Remove upper bearings from cup and set aside. You will notice that the lower bearings remain on the fork. Remove them and set them next to upper bearings.
7. Clean and inspect all components of the headset for wear or discoloration. Any worn or discolored parts should be replaced.
8. Use tool #723 to remove any cups or cones in the frame itself. Use tool #729 to remove the crown race.

Headset Reassembly & Adjustment

1. If you removed any cups from the frame, use tool #733 to reinstall them according to install instructions supplied with the headset.
2. Coat all cups and the fork crown race with a liberal coat of white lithium grease.
3. Install the lower bearings onto the crown race. **BESURE YOU HAVE THE LARGER SIZE BEARINGS ON THE CROWN RACE!**
4. Insert steerer tube into the frame. Slide upper bearings over the steerer tube and into place in the upper cup. Apply a liberal coat of grease to both upper and lower bearings at this time.
5. Slide upper cone over end of steerer tube and into position on top of upper bearings. Next slide clear plastic locator into position. Be sure to have notched side of locator up.
6. Slide the bearing cover onto the steerer tube **UPSIDE DOWN**. Use the bearing cover to seat the upper cone and plastic locator. Do this by pushing down firmly on the bearing cover.
7. Remove bearing cover and then reinstall it right side up. Slide stem back on to steerer tube.
8. Install top cap by screwing the center adjusting bolt into the star shaped fixing nut inside steerer tube.
9. Adjust bearings by tightening the adjusting bolt while checking for play in the bearings. You can do this by squeezing the front brake and rocking the bicycle forwards and backwards.
10. Continue to tighten until there is no longer any "play" in the bearing. **BE SURE NOT TO OVER TIGHTEN AS THIS WILL DAMAGE THE BEARINGS!**
11. Straighten handlebars and tighten stem-fixing bolt. Attach all cables and make any necessary adjustments to derailleurs or brakes.
12. Reinstall front wheel.