

Congratulations! You have just pur-chased what many people regard as the finest headset in the world. Since 1976 Chris King has been supplying serious cyclists with the best made, most reliable headsets you can buy. With proper in-stallation and maintenance you can ex-pect to enjoy the many years of the leg-endary quality and performance built into each and every component we make.

Installation

Please Note: To ensure proper installation, adapter kits are recommended. Sizes are available to fit all popular headset pressing and setting tools. Our press adapters help to correctly align the cups with the head tube and prevent damage to the bearings by directing pressure only and evenly over the cups. The crown race adapters prevent damage to the base plate by protecting the conical bearing contact surface from the crown race setting tool. Installation

- contact surface from the crown race setting tool.

 Preparation of Head
 Tube and Installation
 of Bearing Cups

 Proper preparation of the head tube is essential for best headset performance. Ream and face the head tube as necessary to ensure that the ends are square and parallel to each other, and the bores are the proper dimension (see chart below).

 Using a small file or sand paper, carefully remove any sharp edges or burs and slightly round, or chamfer, the inside edges of the head tube at the top and bottom to prevent shearing any metal from the cups during installation.

 Clean to remove any chips, shavings, and/or cutting oil.

 The proper press fit should be with no more than Imm (0047) of interference. See chart below for correct head tube bore size. Do not file or otherwise remove material from the cups to make them fit.

 Press in both bearing cups using a headset installation press fitted with our adapters. Check to assure the cups are seated flatly against the ends of the head tube.

Preparation of Fork

- and Installation Base Plate Base Plate

 Proper preparation of the fork is also important for best headset performance. Ream and face the crown race seal as necessary to ensure that the face is square with the steer tube and the press diameter is the proper dimensions (see chart below). Clean to remove any chips, shawings, and/or cutting oil. The proper press it is should be with no more than. Imm (0.041) of interference. See chart below for correct crown race seat size. Slide the base plate conical side up onto the steerer tube. With the beweld side of the base plate installation adapter against the base plate. When sizing the steerer legals. When sizing the steerer lube should protrude 11-14mm above the loop of the top bear-

steerer tube should protrude 1 14mm above the top of the top bea ing cup.			
		Head tube bore	Crown sea OD
	1"	30 1mm	26 5mm
	1' BMX	32,7mm	26.5mm
	1-1/8"	33,9mm	30.1mm

1-1/4' 36,9mm 33 1mm Assembly of Chris

- King GripNut King GripNut*

 Make sure the threads on the lock ing and the inside thread of the adjusting ring are ubricated thoroughly with an anti-seize compond or heavy grease. Also apply grease to the tapered surfaces of the threaded collet. Place the threaded collet into the threaded hole of the adjusting ring positioning the key on the collet in the corresponding slot. Screw the lock ring into the adjusting ring/collet assembly until the collet has very little float inside the assembly.

- Final Assembly and Adjustment

- Adjustment

 Once the GripNui* is securely on the steerer (about 4-5 turns and at least 1/8° prior to contacting the bearing), tighten the lock ring into the adjusting ring until it feels as shough the entire GripNui* assembly is draggling as it turns on the threads.

 Once you feel this drag advance the entire GripNui* assembly as a unit down to touch the bearing (using headset wrenches on both the lock and adjusting ring if necessary). Adjust the preload on the bearing and finish tightening the GripNui* lock and adjusting rings together to 130-150 in/lb.

 To test GripNui*. Using both wrenches by to turn the GripNui* as a unit in the loosening direction. It should be extremely difficult if not impossible, to turn. If it turns easily, continue to turn the netire unit 1/4 urin in the loosening direction and retorque.

torque

PLEASE NOTE: New seals will produce
some resistance in rotation for the first
50-100 hours of use. Avoid confusing
this with rubbing or binding that may result from improper installation or stems
that are not properly faced.

Maintenance CHRIS KING HEADSETS are designed to provide the maximum life of any headset with a minimum of maintenance. Besides an occasional adjustment, the only service necessary is an occasional cleaning and regreasing of the bearings. Riding conditions will dictate how often to service your headset. In wet conditions, ser-vice may be necessary as often as every 6 months, in dry conditions, up to every 5 years.

Service of Bearings

Service of Bearings
Our sealed bearings have removable
snap rings holding the seals in place.
Carefully remove snap ring and then
seal to gain access to the bearings
Flush with solvent. blow dry, then lubricate with a waterproof grease and
reassemble. Reuse seals and snap
rings unless damaged.
If necessary, seals and snap rings are
available through your dealer or directly from Chris King Precision Components.
ASE NOTE: Water is the most com-

Result from Aris and Pleasand Com-ponents.

PLEASE NOTE: Water is the most com-mon cause of problems with any sealed bearing. When water enters the frame through breather or other holes it can eventually work its way to the head tube and into the headset bearings. High pres-sure spray wash, transporting or riding the bicycle in the rain, or submersion in water while riding can quickly lead to this condition. Although the stainless steel bearings will resist corrosion, the grease will eventually deteriorate. Avoid these situations if possible or service as if in wet conditions.

Removal and Reinstallation

- Reinstallation
 Remove cups from head tube with a standard cup removal tool, taking care that tool contacts the inside edges of the cup, not the bearing. To remove base plate from fork, we recommend using a 1/4" or 3/8" drift punch alternating strikes on either side of fork crown to lessen the possibility of warping or bending. After removing base plate from fork, carefully Inspect for damage. Some warpage may flatten upon reinstallation. If not, or if bearing contact surface has become damaged, replace. Base plates and other parts are available individually through your dealer or directly from Chris King Precision Components.

Warranty

Chris King Precision Components warrants its bicycle headsets to be free from defects in materials or workmanship for a period of 10 years from the original date of purchase. Any Chris King precision Components to be defective in materials or workmanship will be repaired or replaced at the sole discretion of Chris King Precision Components to the defective in materials or workmanship will be repaired or replaced at the sole discretion of Chris King Precision Components providing it is returned to the factory freight prepaid. This warranty does not cover damage or failure resulting from misuse, abuse, alteration, neglect normal and reasonable wear and tear, crash or impact, failure to perform routine maintenance as instructed or use other than that for which the product was intended. Warranty

Intended.

If a defect is found, our entire liability and your sole remedy shall be, at our option, free repair or replacement. Chris King Precision Components shall not be held liable for any indirect, special, or consequential damages. The warranty does not cover any Chris King Precision Components product where the serial number has been altered or removed. This written express warranty is in lieu of all other warranties, implied or expressed, and does not cover any representation or warranty made by dealers beyond the provisions of this warranty. This warranty gives you specific legal rights, and you may also have other rights which vary state to state.



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