

NOT Inreadset**

Congratulations! You have just purchased what many people regard as the finest headset in the world. Since 1976 Chris King has been supplying cyclists with the best made, most reliable headsets you can buy. With proper installation and maintenance you can expect to enjoy the many years of the legendary quality and performance built into each and every component we make.

Installation
Headse Installation requires specialized tools:
We recommend the procedure be performed
by a professional bioycle mechanic.
To ensure proper installation, the use
of headset cup press adapter kits are
recommended. Our press adapters help
to correctly align the bearing cups with
the head tube and prevent damage to
the bearings by directing pressure only
and evenly over the bearing cups. The
baseplate installation adapter prevents
damage to the baseplate by protecting
the conical bearing contact surface
from the crown race setting tool. Sizes
are available to fit all popular headset
pressing and setting tools.

Reaming and Facing of Head

pressing and setting tools.

Reaming and Facing of Head
Tube
Proper preparation of the head tube is
essential for best headset performance.
Every head tube must be reamed and
faced, even if the frame is new and appears to be prepared at the factory.

1.Ream the head tube to ensure that
the head tube bore is the proper
diameter, depth and roundness. Be
sure that the head tube bore (inner
diameter) is correct (see table below)
to ensure proper press fit. Minimum
ream depth is 10.0 mm into all head
tubes except 1.5, which requires a
20.0 mm ream depth.
2.Face the head tube to ensure that the
ends are square and parallel to each
other, and that all paint and enodization
material is removed from the frameheadset interface.

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

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

5.The proper press fit should be with
no more than 1 mm (0.04*) in 10.00.

5.The proper press fit should be with no more than .1 mm (.004") of interference. See table below for head tube bore specifications. Do not file or otherwise remove material from the cups to make them fit.		
	Head tube bore (ID)	Crown seat OD
1*	30.1 mm	26.5 mm
1" BMX	32.7 mm	26.5 mm
1-1/8*	33.9 mm	30.1 mm
1-1/4*	26.0 mm	22.1 mm

- 36.9 mm 33.1 mm 49.6 mm 39.8 mm
- .Be sure that surfaces of headset cup press adaptors are clean and free of burns to minimize risk of marring headset cup finish during installation. Press in both bearing cups using a headset cup finish during installation. Press in both bearing cups using a headset cup installation press fitted with Chris King headset cup press adapters. Check to assure the cups are seated fieltly against the ends of the head tube.

are seated to be.

Preparation of Fork and Installation of Baseplate Proper preparation of the fork is essential for best headset performance.

1. Ream and face the crown race seat to ensure that the crown race seat face is square with the steerer tube. See table above for crown seat outer dementer (OD) specifications. The present is should be to see the seater of the seater to the seater to

- - See table above oddiameter (OD) specifications proper base plate press fit show with no more than .1 mm (.004)
- proper base plate press with no more than .1 m interference. 2. Clean to remove any chand/or cutting oil. 3. Slide the baseplate, up, onto the steerer crown race setting to baseplate with the bevel baseplate installation at the baseplate installation at
- conical side tube. Use a ool to set the eled side of the adapter against

- the baseplate.

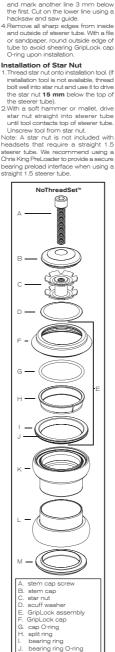
 Cutting of Steerer Tube
 Use extreme caution when cutting steerer tube to avoid injury.

 Insert fork, with baseplate installed, into frame.

 Slide GripLock cap assembly, then spacers (if needed), and then the stem over steerer tube. Scribe a line flush with top of stem.

 Remove items from steerer tube and mark another line 3 mm below the first. Cut on the lower line using a hacksaw and saw guide.

 4.Remove all sharp edges from inside and outside of steerer tube. With a file or sandpaper, round outside edge for sandpaper, round outside edge for



GripLock[®] Assembly
The GripLock is shipped pre-assembled, fit has been disassembled, fit assembly together as shown in diagram. Follow the procedure below.

1. Place thin bearing ring Oring into outer groove of bearing ring.

2 have self iring into begring ring.

- Process.

 1. Place thin bearing ring.

 2. Place split ring into bearing ring.

 3. Snap the bearing ring and split into the GrpLock cap.

 4. Feed cap O-ring into the grc created by the assembled parts.

 GripLock™ Installation, Final Assembly and Adjustment

 1. Remove all sharp edges from in and outside edges of the cut st tube with a file or sand pape avoid shearing the cap O-ring di installation.

 Inver of grease onto ng duri
- r tube. bly will e O-ring If cap O-ring hang edge of the steerer to shear the O-ring, cap O-ring to the si GripLock assembly using steady downwa a slight twisting or ro. Note: If GripLock a apart during installs brearly by the table care not perfect tube, take care not perfect the side and push the mbly onto the steen own are pressure an g or rocking motion. ock assembly come nstallation, go back embly section and the sale to the siber, then any spacer to steerer tube. Three we through stem ca nut. Tighten to 15 inub to rque using 5 mm.
 - - nent of stem and em according to the specifications. for proper adjustment. y adjusted, the fork oothly without play Some settling may ew rides; readjust as

matrium of maintenance, occasional adjustment, the necessary is an occasional regreasing of the bearings, ions will dictate how often to headset. In wet conditions,

- ng a small screwdriver, nife, remove the snap ng tool into split of snap ork pointed end of the ard bearing center unti groove. Follow the ring e tool until the snap ring
- woughly flush the bearing with light spray lubricant (e.g., WD-40 and blow dry. Wipe dirt and other contamination the seals and a Used snap rinor reinstallion.
- Wipe dit
 from the seals and s....
 Used snap rings and seals can
 reinstalled unless warped, punctu
 or otherwise damaged. If damag
 replacement seals and snap rings
 available from any authorized CI

 dealer or directly from Chris k
 sents.

- se.

 snap ring into ing race. Press until snap ring rall gap should oth ends of the edge uter b

nner race of bearing by hand to r binding. If bearings do not run th, repeat steps 1-8. Binding is a result of improperly seated

- val , stem and spacers Release GripLock side of steerer tube or rubber mallet. Do e from top, as this bearings.
- The cup swit, not the cup swit, not the cup swit, not the recommend using removal tool to lesser of warping or deforming if necessary, a 1/4" or 1.

remous of warping or dense. If necessary, a 1/4" or 3/8" unit, can be used instead. Be sure to alternate strikes on either side of fork crown to lessen the possibility of warping or bending. After removing the baseplate from the fork, check for deformities by placing it on a level surface. If the baseplate does not sit level on the surface and in any way appears to be warped or deformed, it must be replaced for optimal bearing performance. Saeplates and other headset parts re available from any authorized Ontsi ring dealer or directly from Chris King dealer or directly from Chris King recision Components by calling our Savyce number.

Precision Components by calling our Customer Service number.

Warranty

Chris King Precision Components werrants its bicycle headsets to be free from defects in between the original date of purchase. Any Chris King precision Components to be defective 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 providing at its returned to the factory freight prepaid. This werranty does not cover damage or failure resulting from misuse, abuse, alteration, neglect, normal and reasonable weer and tear, crash or impact, failure to perform routine maintenance as instructed, or use other than that for which the product was intended. If a defect is found, our entire liability and your sole remedy shall be, at our option, free repair or replacement of the Chris King product. 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 hall number has been altered or removed. This written express warranty is in leu 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 your purchase!

Thank you for your purchase!

Thank you for your purchase! Made in the USA All Chris King Precision Components products are manifectured in the USA using industry leading environmental and quality control standards. Printed with soy ink. Contains 100% post-consumer recycled paper fiber. Chris King Precision Component 2801 NW Nela Street Portland, Oregon 97210 800.523.6008 www.chrisking.com info@chrisking.com