

prime

PRIMAVERA & DOYENNE

1-1/8" - 1.5" INTEGRATED TAPERED HEADSET

HEADSET FITMENT MANUAL



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This manual contains the instructions for the correct methods required to replace or upgrade the headset on your frame to the Prime Doyenne or Primavera tapered intergrated headset, as well as safety warnings and caution indicators to avoid any hazardous situation.


Please, read before attempting any form of repairs with any Prime components. Failure to follow the warnings and instructions may result in serious injury if not followed correctly.

It is always recommended that a trained bicycle mechanic perform any maintance required that involves any Prime component to avoid incorrect installation and prevent injury.

The use of the correct tools is required to perform any tasks on the Prime headset, the use of incorrect tools may damage the headset if not correct which can lead to premature failure of the product which may void warranty.

	WARNING
	When assembling or working on the any component from the Prime take care. Please, always wear protective, gloves and goggles, regardless of whether the component is connected to a battery.

	WARNING
	The Prime headset fitment manual is intended for professional mechanics. Persons without professional training in the assembly of bicycles or components must not handle or install any components on their own.


	WARNING
	Next guides show in detail what is required with specifications and associated information to replace a headset with a Prime equivalant. Assembly and replacement guides are also included along with the tools required for each procedure. Please note that the guide shows reccommend procedures and is intended to avoid possible errors in the process that could damage the system.

TOOLS


The following section goes through the tools required to perform the correct procedure to replace or upgrade a headset to a Prime intergrated headset.

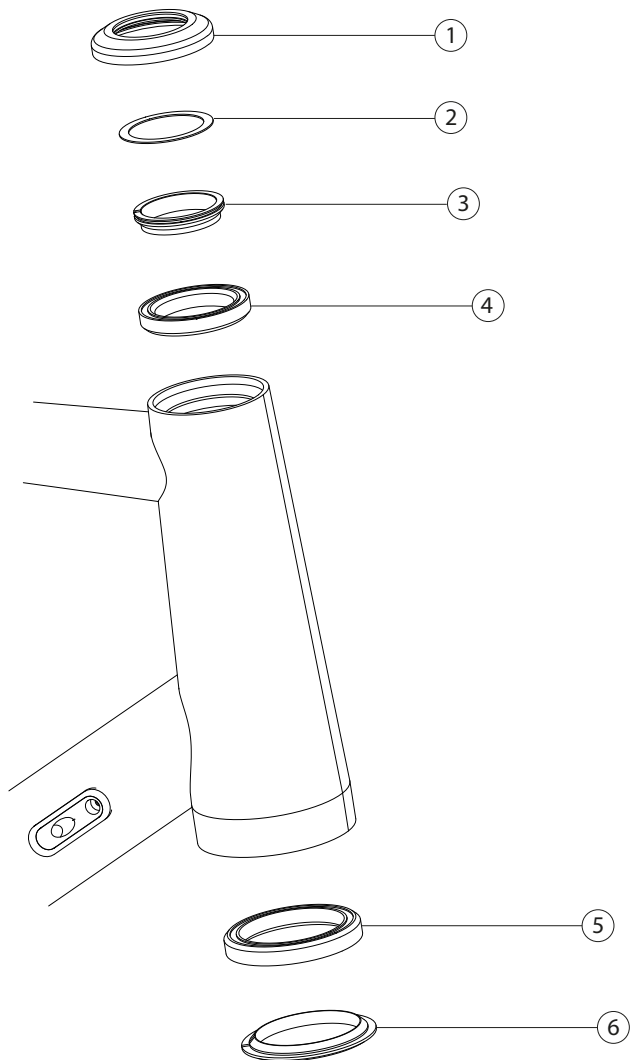
TOOLS AND CONSUMABLES REQUIRED FOR ASSEMBLY

- Isopropyl Alcohol
- Cleaning Cloth
- 4, 5 and 6mm Hex Allen Key
- T25 Torx Key
- Crown Race Removal Tool
- Torque Wrench
- Teflon Assembly Grease
- Workshop or Latex Gloves
- Protective Eye Wear


	WARNING
	Please note that the use of incorrect tools may cause damage to the frame or headset and will void all warranty. The above tools are recommend by Prime and are proven the correct tools to carry out the headset replacement.


DIAGRAMS

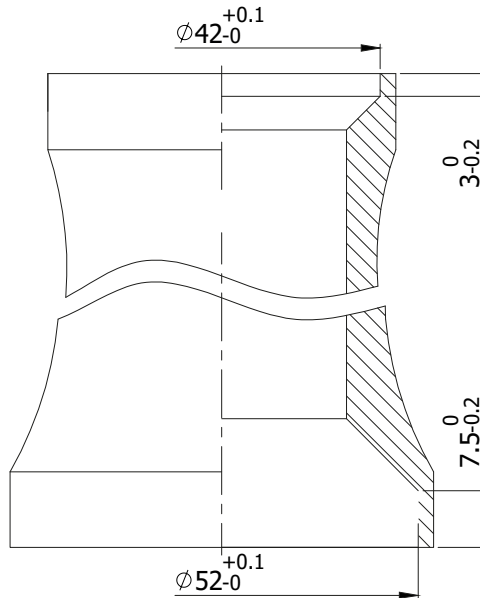
	WARNING
<p>Please note that the below diagram is for illustration purposes only, The top cap and compression ring design may differ between models or spec. Diagram is used purely for aiding with showing part names and descriptions that may be used throughout the guide.</p>	




Part #	Description	Quantity
1	Top Cap	1
2	Spacer	3
3	Compression Ring	1
4	Upper Bearing - IS42/28.6	1
5	Lower Bearing - IS52/39.8	1
6	Crown Race	1

	WARNING
<p>Depending on the frame and fork setup of the bike that the headset is being installed to, the crown race may not be required. This must be checked before installation. It is advised to contact the frame/fork manufacturer to confirm if the fork has a built in crown race</p>	

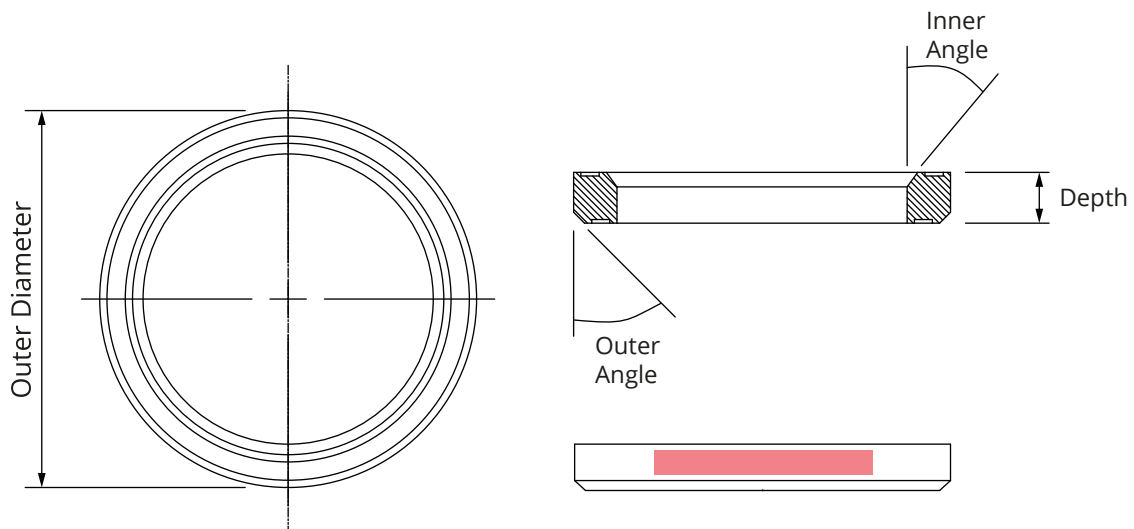
	WARNING
	<p>Please note that it is important to check key measurements on the frame that the Prime headset is being fitted to. Below diagram shows the key measurements required for all Prime headsets and must be followed. Failure to match these measurements may cause premature failure to the headset bearings or failure of the frame and void all warranty</p>



Headset Bearing Dimensions

	WARNING									
	<p>Please note that it is important to check key measurements on the your existing headset bearings before fitting the Prime headset. Below diagram shows the key measurements required for all Prime headsets and must be followed. Failure to match these measurements may cause premature failure to the headset bearings or failure of the frame and void all warranty.</p>									

Measurements (MM/DEG)	Headset Standard		Upper Bearing				Lower Bearing			
	Upper Bearing	Lower Bearing	Outer Diameter	Depth	Outer Angle	Inner Angle	Outer Diameter	Depth	Outer Angle	Inner Angle
Primavera Low Stack	IS42/28.6	IS52/39.8	41.8	6.5	45°	45°	51.8	7	45°	45°
Primavera Medium Stack				6.5				7		
Doyenne Medium Stack				8				7		



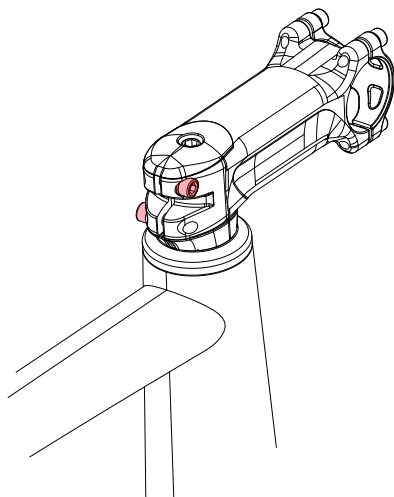
Please note: Bearing measurements can sometimes be found printed on the bearing in roughly the highlighted zone.

DISASSEMBLY

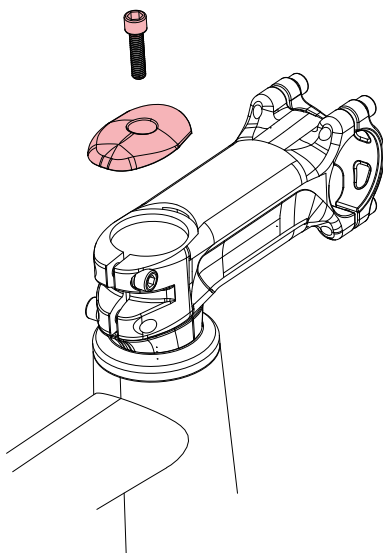
The following steps go through the disassembly of the headset for the purpose of replacing it with a Prime headset, each step should be followed precisely to avoid any error.

This manual is subject to the frame and fork being compatible with the Prime headsets and should be checked before either purchasing or performing the disassembly or replacement of the headset.

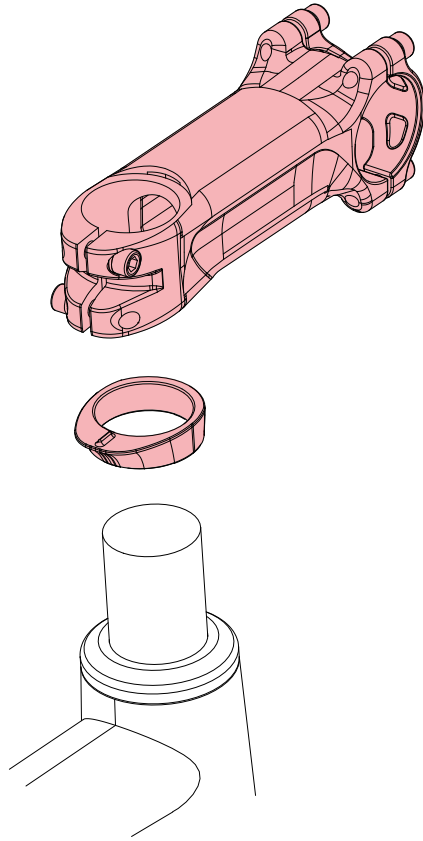
It is advised that through all the steps in the disassembly that frame and fork bearing surfaces should be cleaned before moving on to the assembly process.



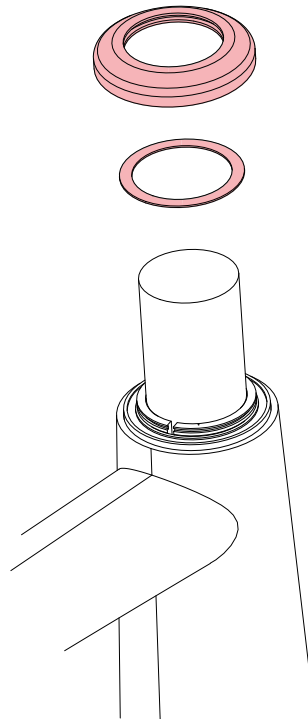
1. Using the required Hex Allen Key or Torx Key loosen the stem pinch bolts that clamp the stem to the steerer.



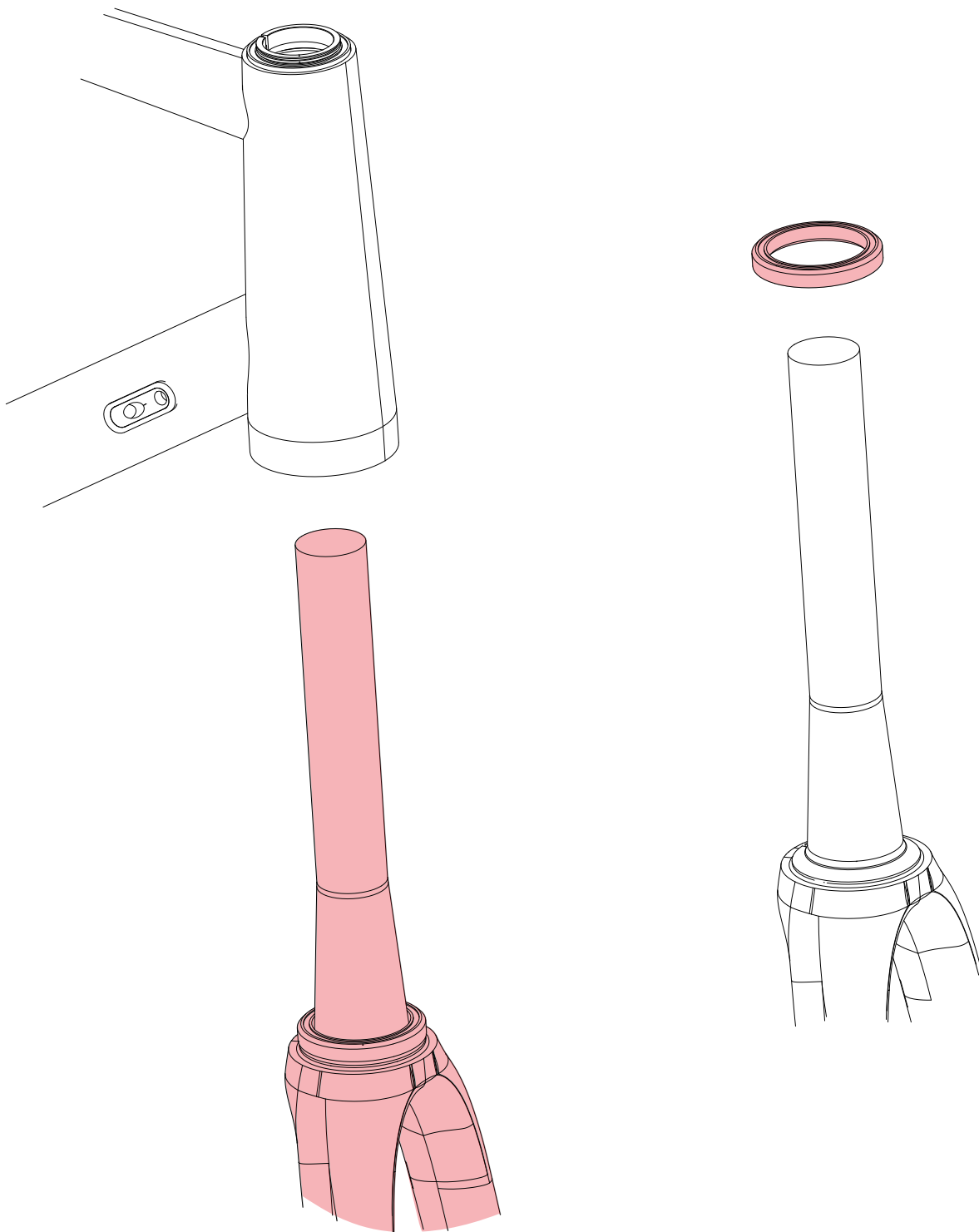
2. Using the required Hex Allen Key or Torx Key remove the stem compression top cap bolt by turning it counter-clockwise, then remove compression top cap.



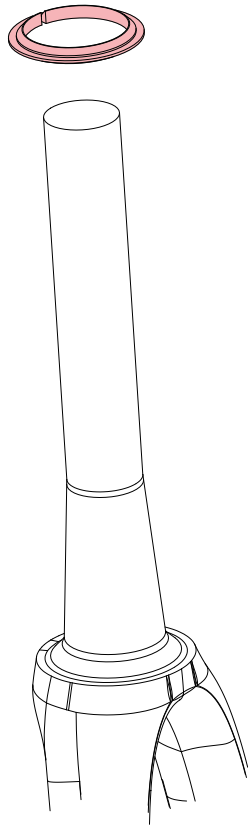
3. Slide off and remove the stem and any headset/stack spacers.



4. Remove the existing headset top cap and any thin top cap spacers.



5. Remove the forks from the frame by pulling these down. The lower headset bearing may come out at the same time. Either way remove this bearing from either the fork or from the lower cup of the frame.

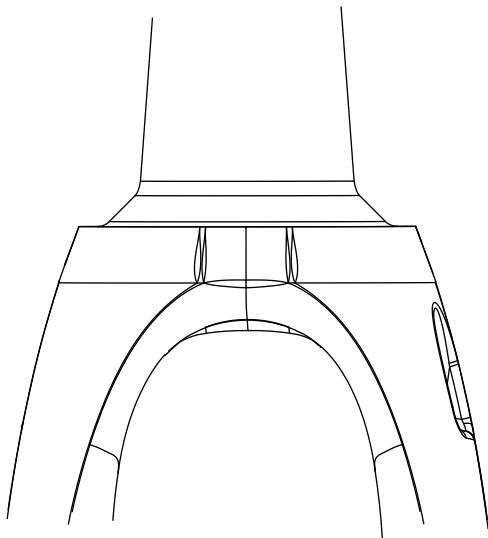


6. Remove the crown race of the fork steerer, the crown race removal tool may be required here depending on the design of the crown race.

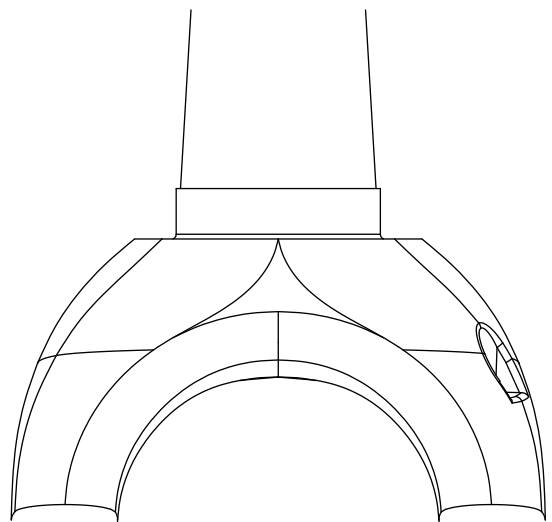


WARNING

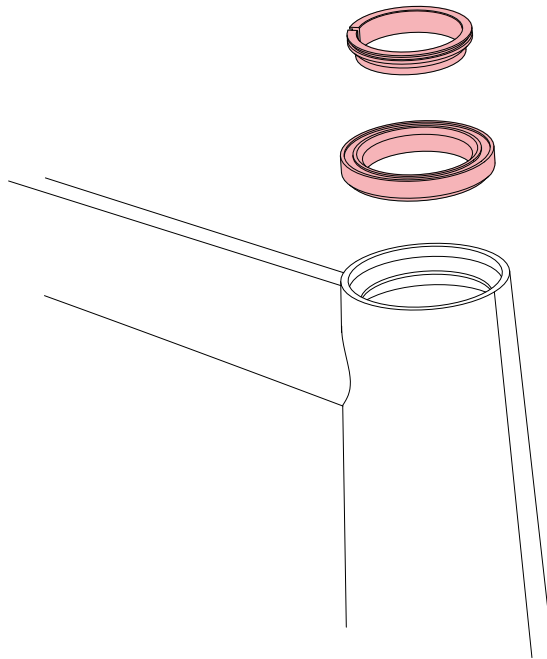
Please note that if the fork has a built in crown race step 6 will not be required. If you are unsure if your fork has a built in crown race it is advised to contact the fork manufacturer. Below image shows the two different forks. One with a built in crown race and one without.



BUILT IN CROWN RACE



NOT BUILT IN CROWN RACE



7. Remove upper headset bearing and compression ring.

This concludes the main dismantle of the existing headset within a frameset ready for replacement with a Prime headset.



WARNING

It is advised to fully clean both frame and fork bearing surface/cups before replacement headset is assembled. If frame and fork are not cleaned from any existing contaminants it could lead to premature failure of bearings or difficulty within the assembly process.

ASSEMBLY

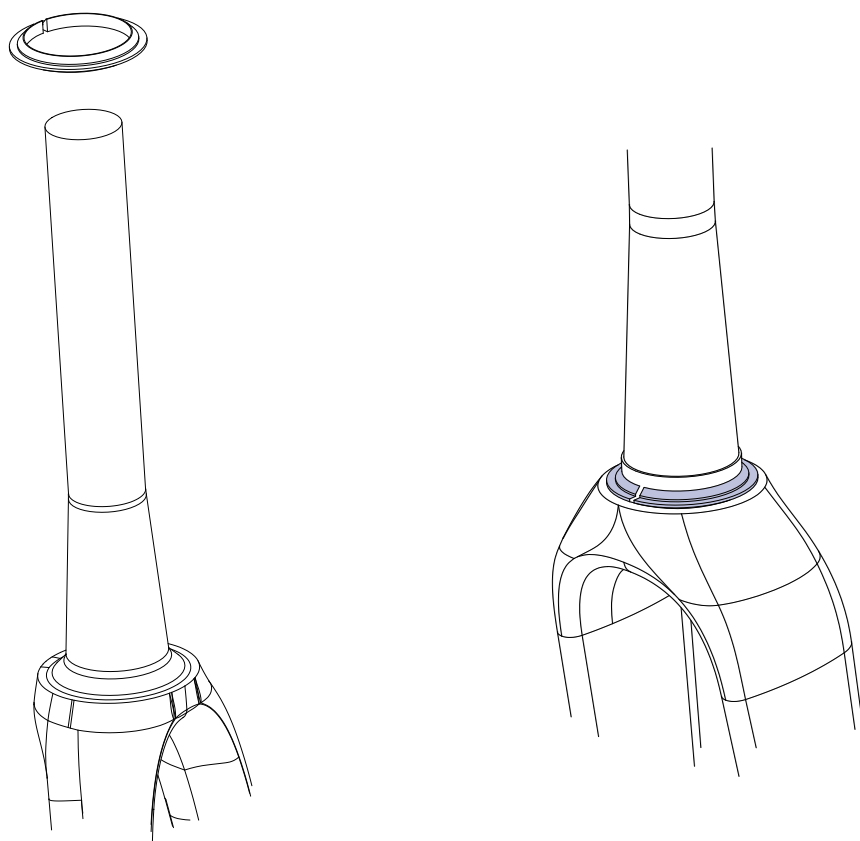
The following steps go through the assembly and replacement of a Prime headset, each step should be followed precisely to avoid any error.

It is advised that through all the steps in the assembly that frame and fork should be cleaned before re-fitment and that the correct grease should be applied where stated.



INFORMATION

The following steps illustrate the process to replace the headset on a compatible frameset with a Prime headset. This is purely for illustration purposes and the steps required to complete the process are the same across all types of Prime headsets.

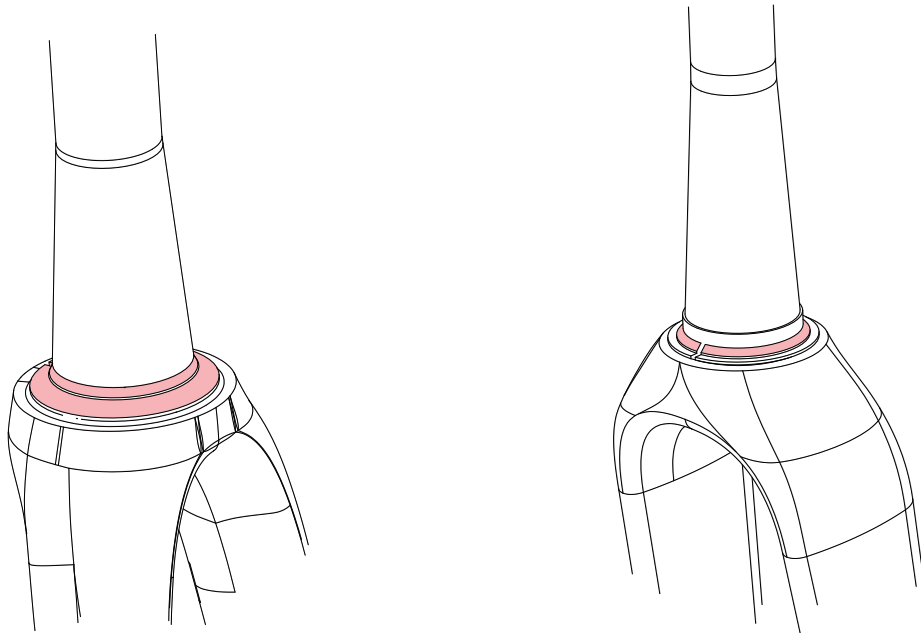


1. Slide the crown race over the fork steerer and slide into place. The crown race will have a slot in it to allow easy fitment so no additional tool is required.

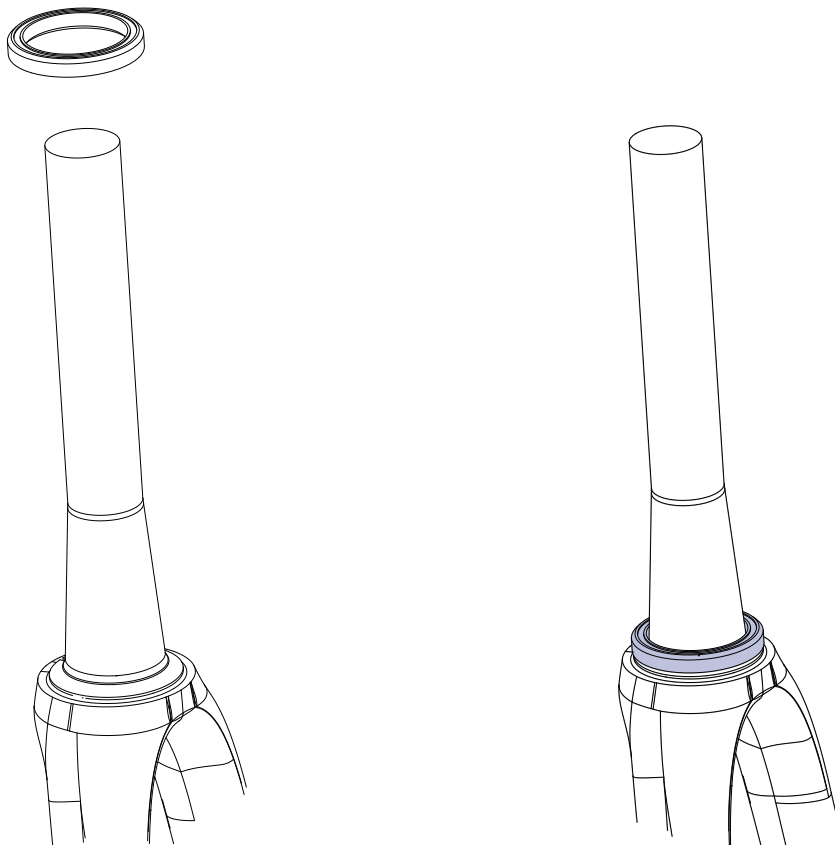


WARNING

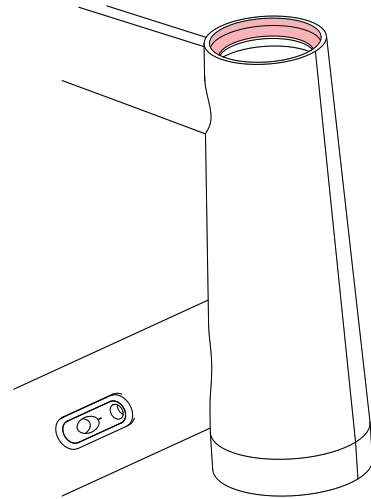
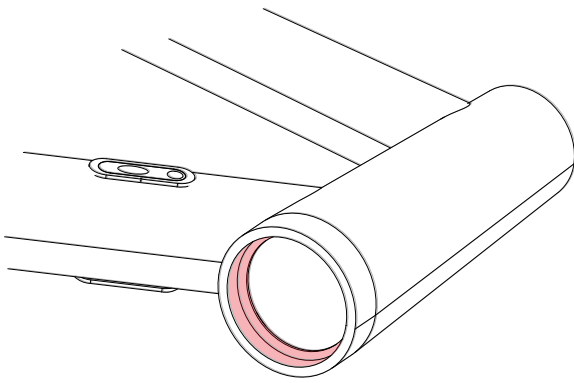
Step 1 only applies to forks that do NOT have a built in crown race. If there is any uncertainty refer to page 9 or contact the frame and fork manufacture.



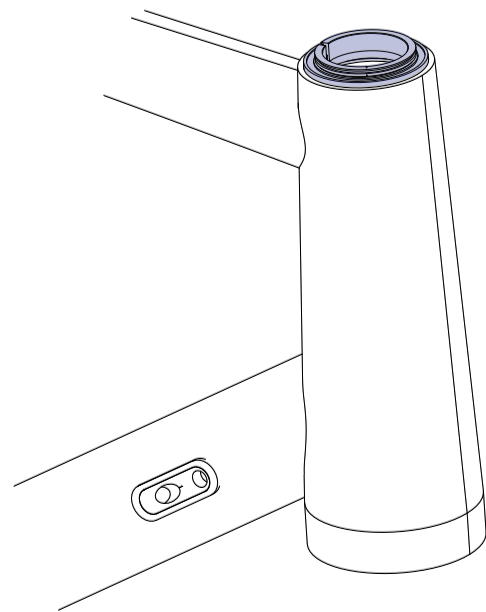
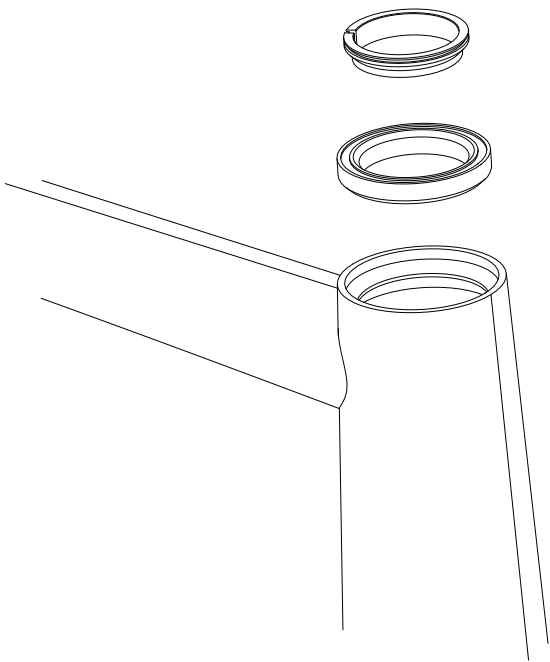
2. Apply assembly grease to the crown race or fork bearing surface.



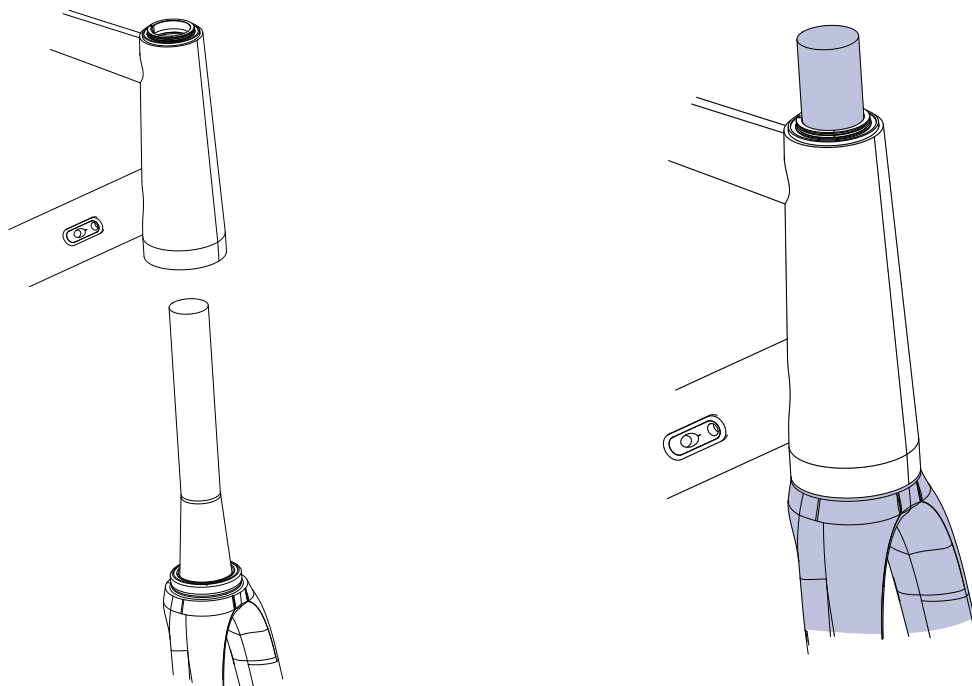
3. Slide the lower Prime headset bearing over the fork steerer and seat this onto the crown race/bearing surface. Ensure that the bearing is placed with the correct orientation.



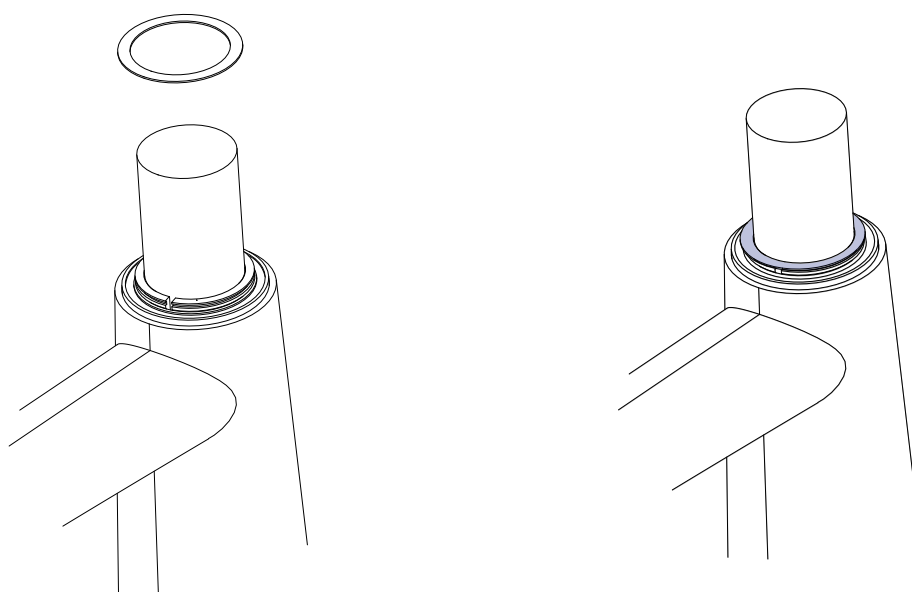
4. Apply assembly grease to the frame headset bearing cups as highlighted above



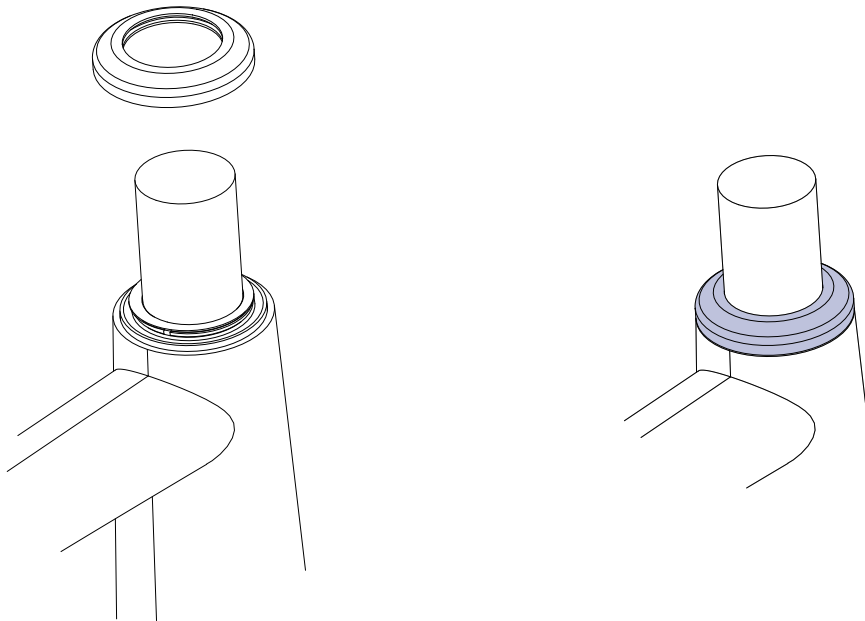
5. insert the top headset bearing into the frame ensuring that it is orientated correctly. Once seated press the compression ring into place within the top headset bearing.



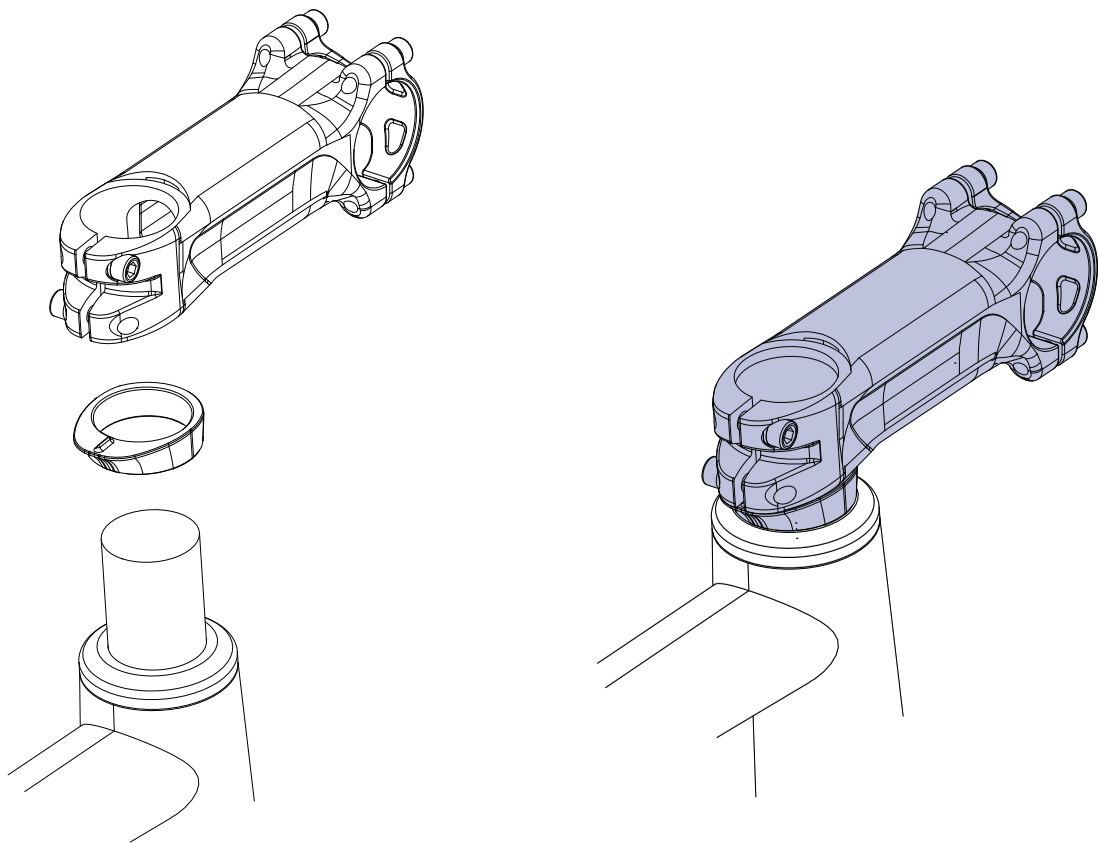
6. Insert the fork into the frame until the lower headset bearing that is on the fork seats fully into the frame.



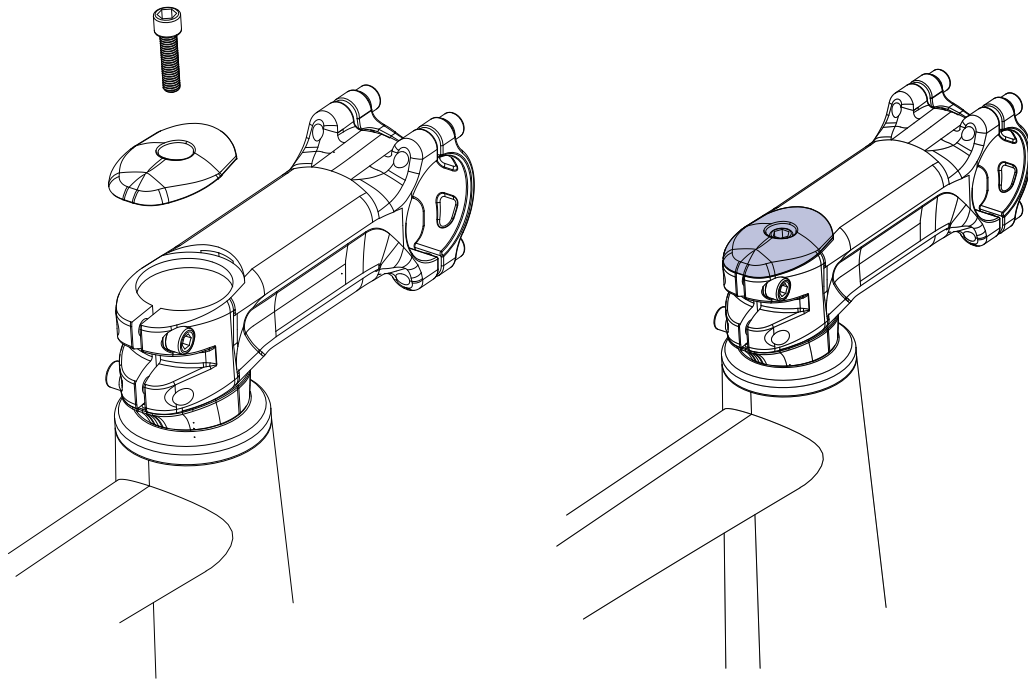
7. Slide the thin headset spacers over the steerer tube until it rests on the compression ring.



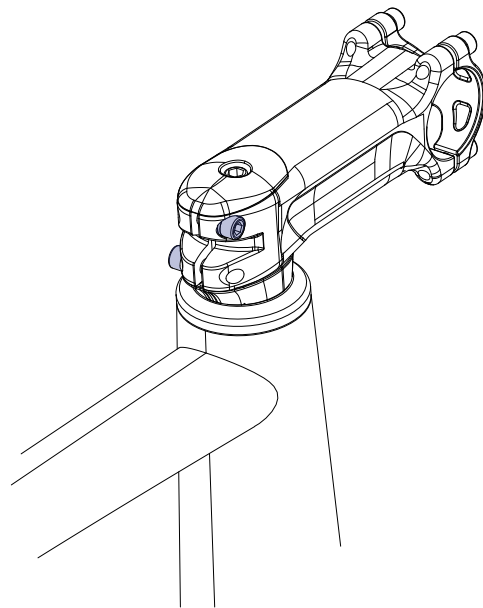
8. Slide the headset top cap on to the steerer tube until it sits against the thin headset spacers.



9. Slide on any headset stack spacers, followed by the stem.



10. Place the headset top cap onto the stem and begin to tighten the compression bolt. This bolt is a compression bolt and has no specific torque setting. Ensure all play is removed side to side and back forth.. The stem/handlebars should be able to spin freely without any play.



11. Ensure the stem is aligned correctly then tighten the stem pinch bolts up using the necessary hex allen key to the stem manufacturers recommended torque setting.

This concludes the assembly and replacement of a Prime headset.



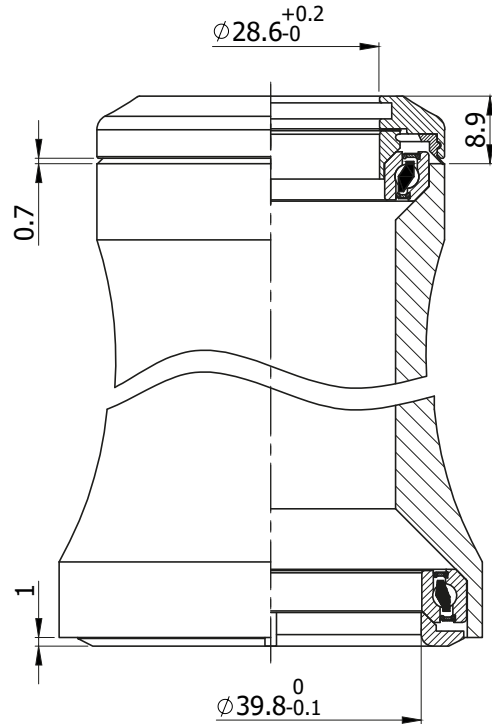
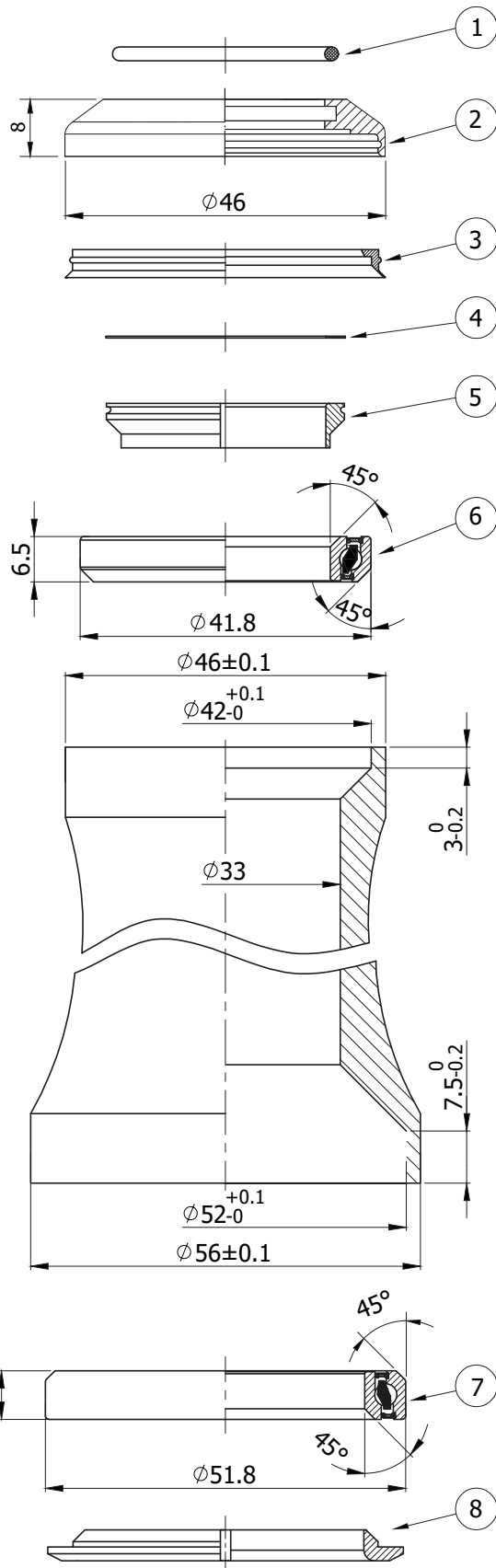
WARNING

It is advised that a test ride is performed once the headset re-assembly is complete to ensure that everything has been fitted correctly.
If performing a test ride it is advised that all necessary safety gear is used to prevent any form of injury.



CARBON 8

1-1/8"+1.5" Carbon Taper Integrated Headset



Stack Height 8.9+1.0=9.9mm

- Headtube OD: Taper 46mm/56mm
- Fork Steerer: Taper 1-1/8" to 1.5"
- Bearing: TS-Bearing

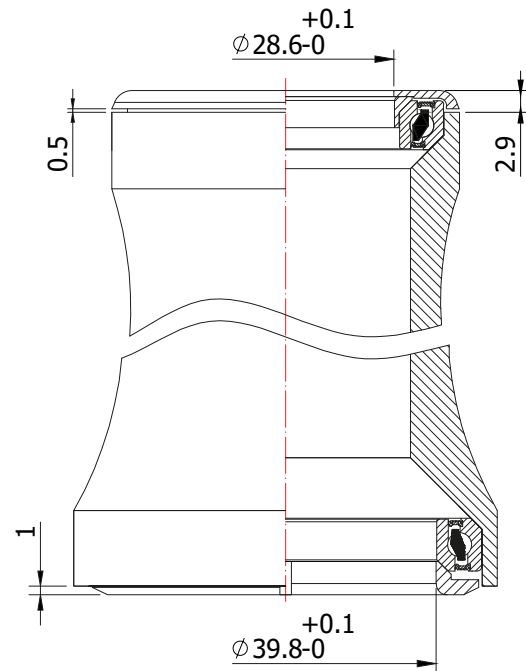
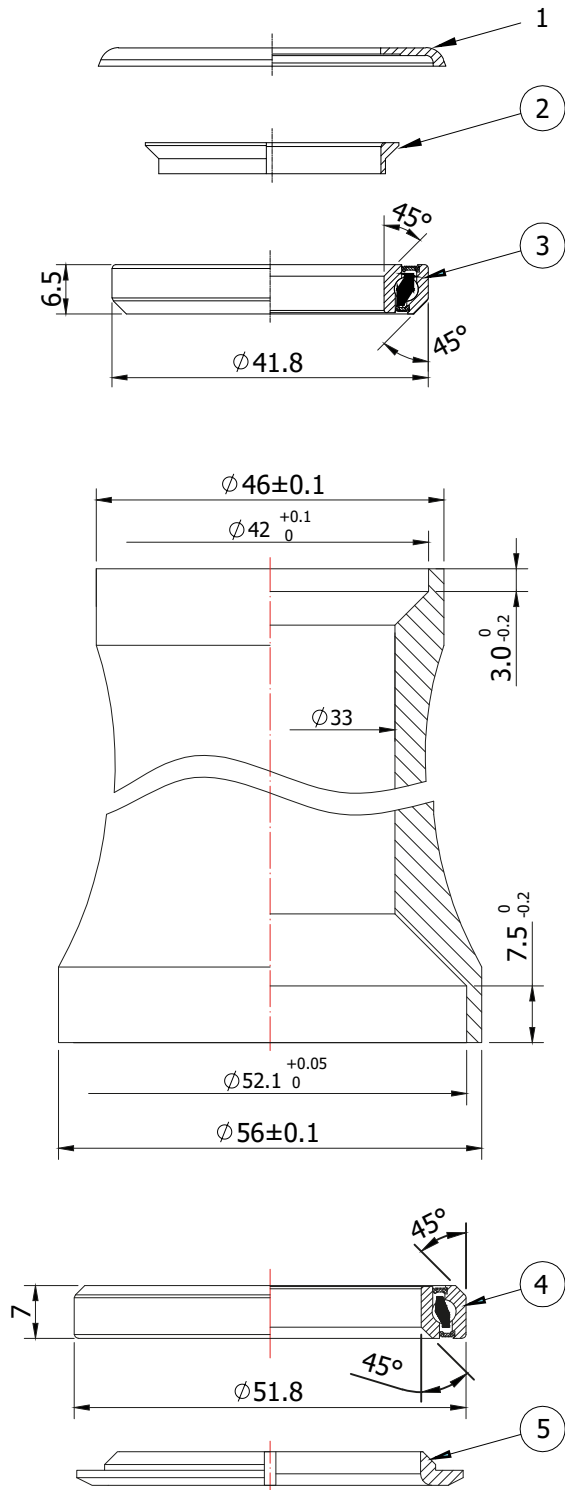
No.	Item	Q'ty
1	O-Ring	1
2	Top Cover	1
3	Seal	1
4	Spacer	1
5	Compression Ring	1
6	Upper Bearing IS42/28.6	1
7	Lower Bearing IS52/39.8	1
8	Crown Race	1

Unit: mm

Scale: 1:1

CARBON 3

1-1/8"+1.5" Tapered Integrated Headset w/ Carbon Top Cover



Stack Height: $2.9 + 1 = 3.9\text{mm}$

- Headtube OD: 46mm Upper / 56mm Lower
- Fork Steerer: 1-1/8" to 1.5" Tapered
- Bearing: TS Bearings

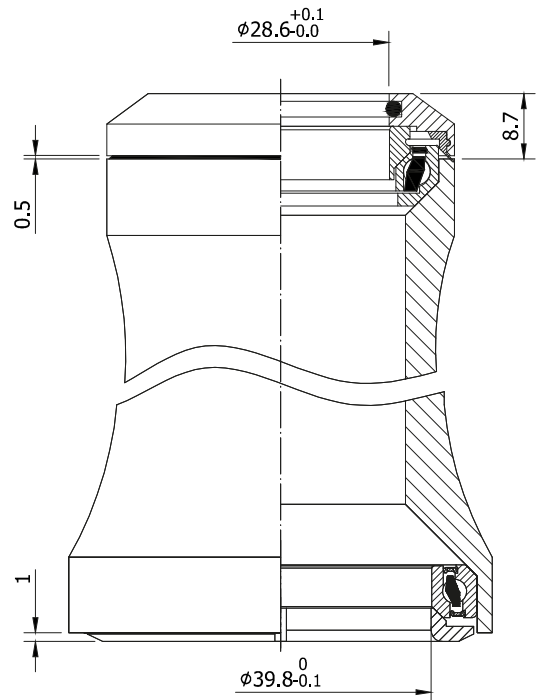
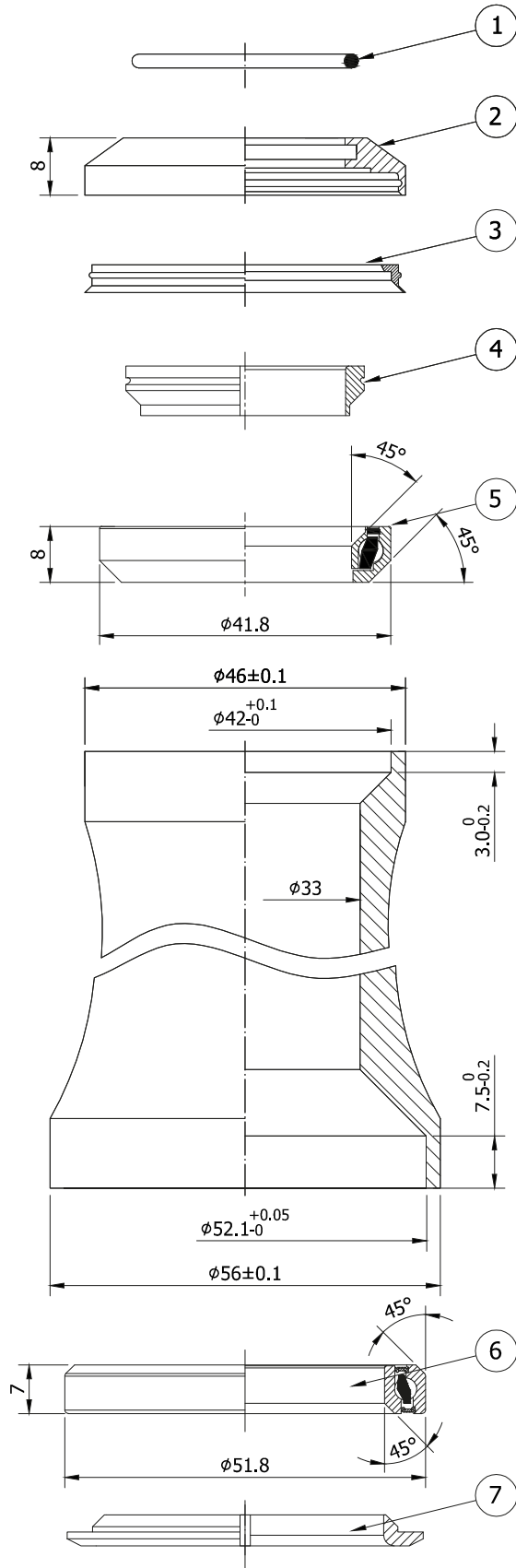
No.	Item	Q'ty
1	Top Cover	1
2	Compression Ring	1
3	Upper Bearing IS42/28.6	1
4	Lower Bearing IS52/39.8	1
5	Crown Race	1

Unit: mm

Scale: 1:1

ALLOY 8

1-1/8"+1.5" Taper Integrated Headset



Stack Height $8.7 + 1.0 = 9.7\text{mm}$

- Headtube OD: Taper 46mm/56mm
- Fork Steerer: Taper 1-1/8" to 1.5"
- Top Cover: Alloy 8mm
- Bearing: Premium Bearing
- Compatible: No.42/ACB

No.	Item	Q'ty
1	O-Ring	1
2	Top Cover	1
3	Water Seal	1
4	Compression Ring	1
5	Upper Bearing IS42/28.6	1
6	Lower Bearing IS52/39.8	1
7	Crown Race	1

Unit: mm

Scale: 1:1