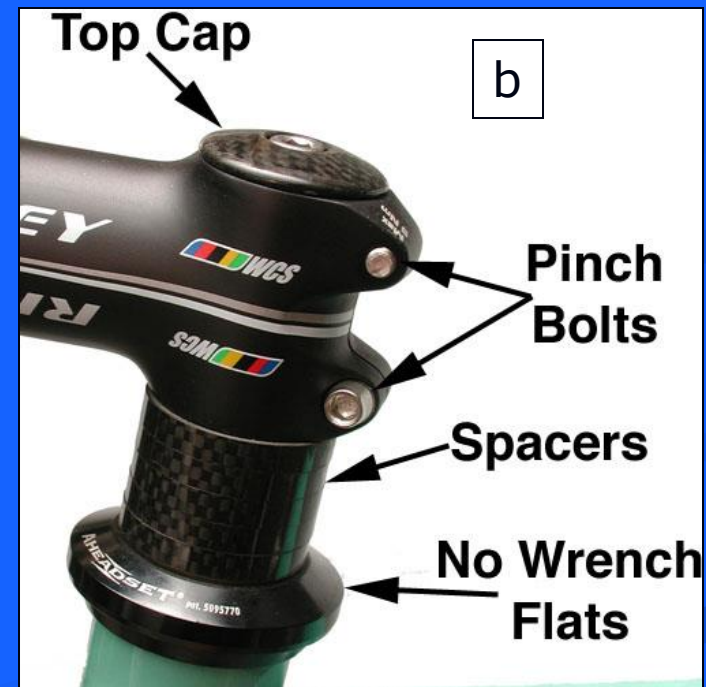
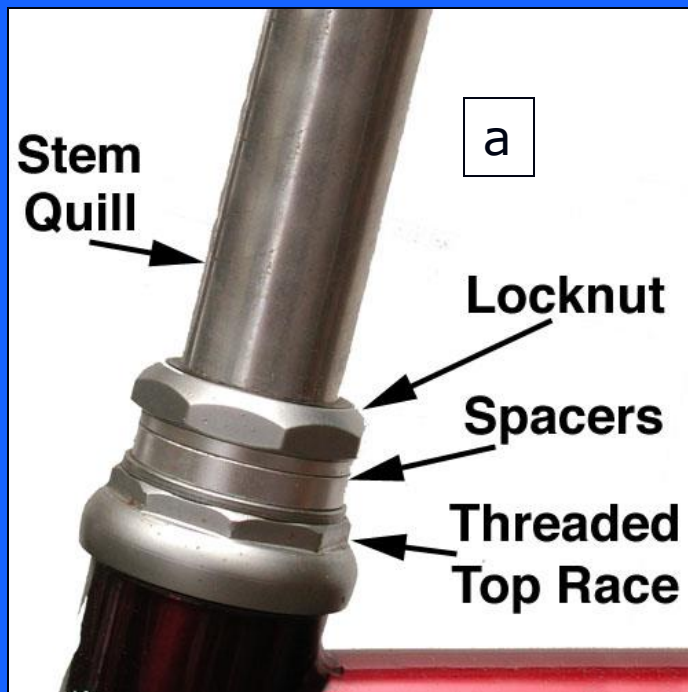


Headset Bearings

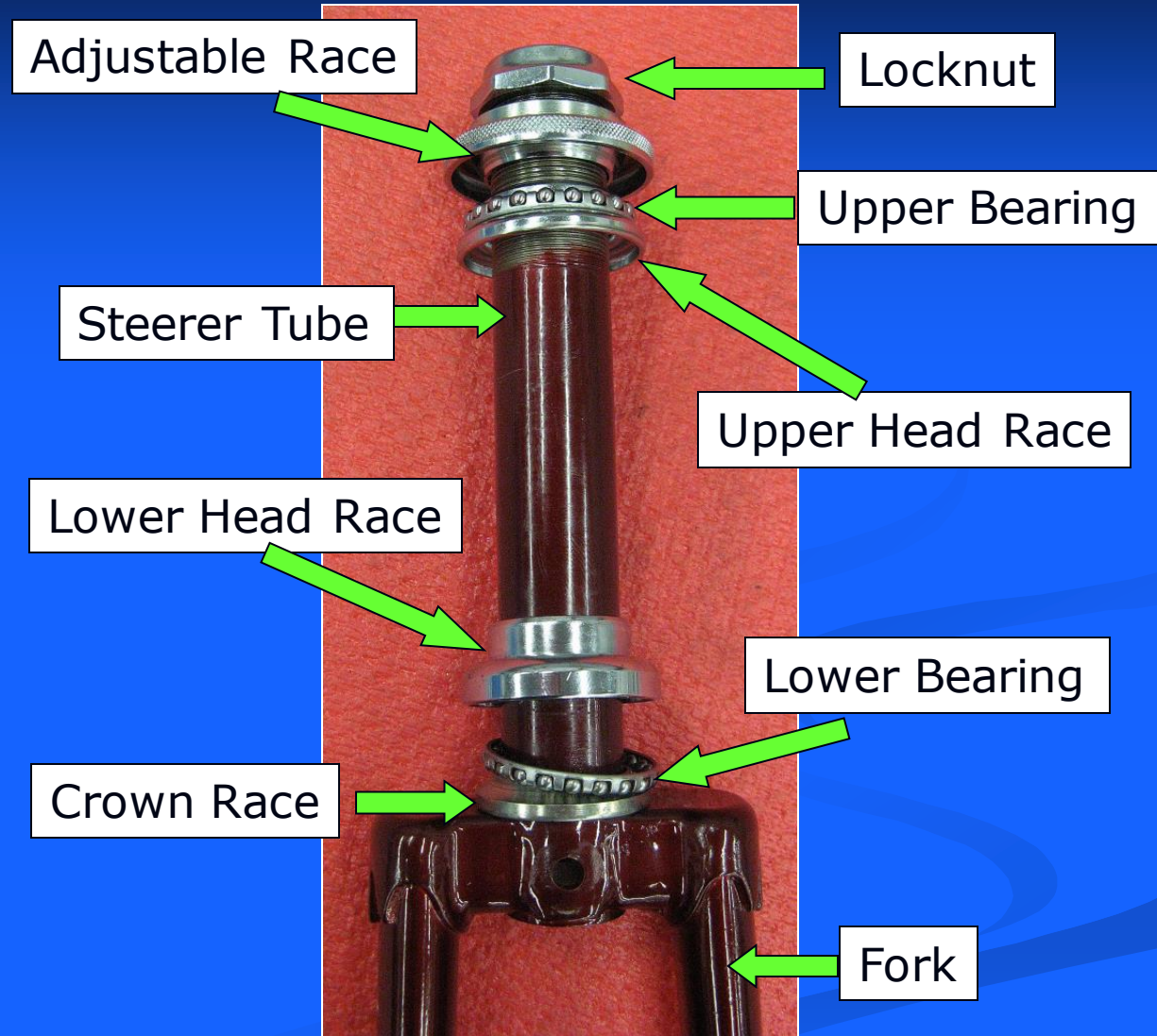
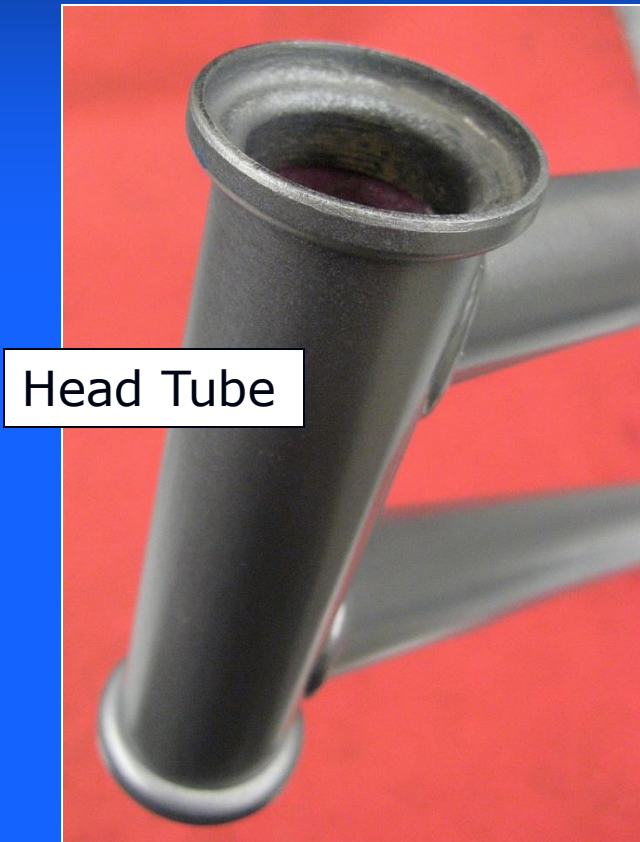


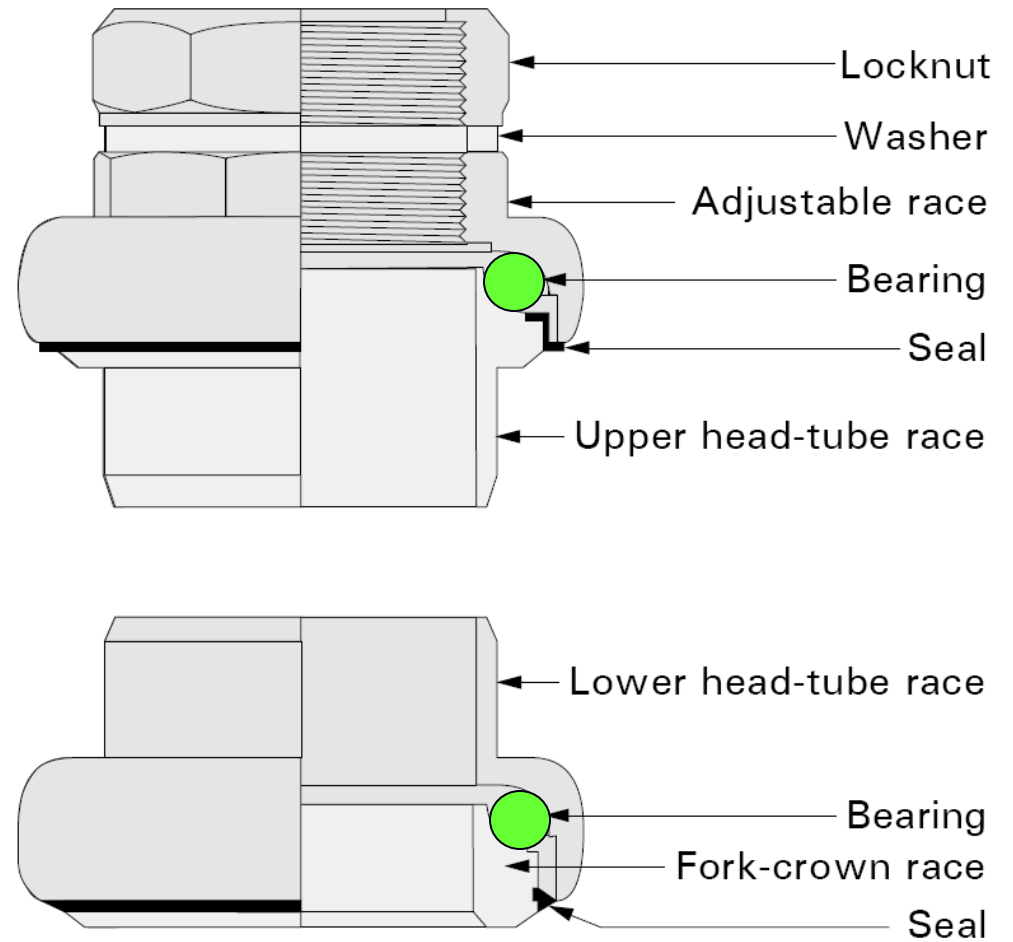
Headset

- The "headset" is the bearing assembly that connects the front fork to the frame
- it allows the fork to turn for steering and balancing
 - older bikes used "threaded" forks and "threaded" headsets (fig. a)
 - newer bikes (since the 1990s) use "threadless" forks and "threadless" headsets (fig. b)



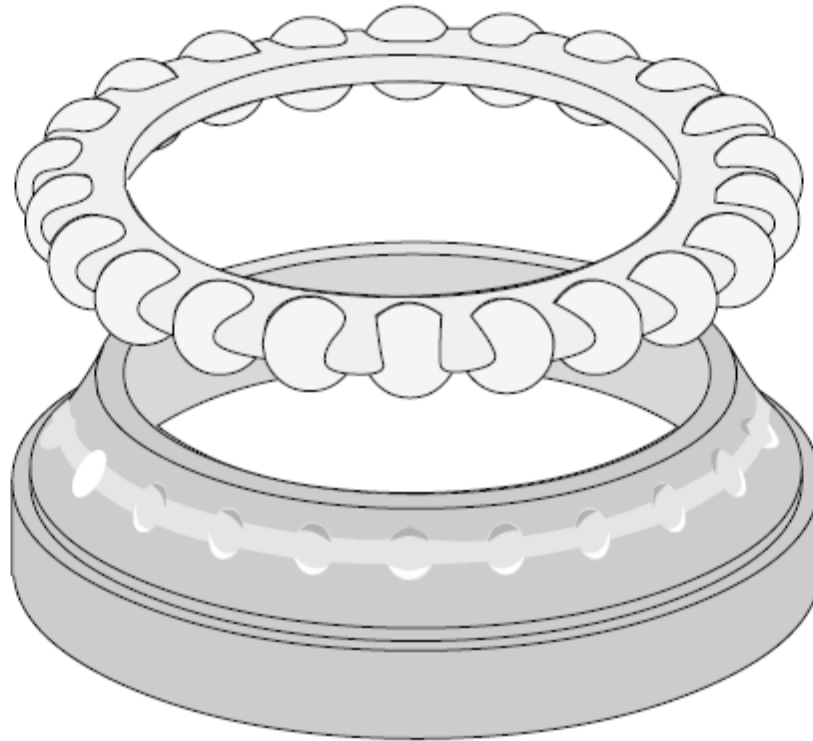
Components – Threaded Headset



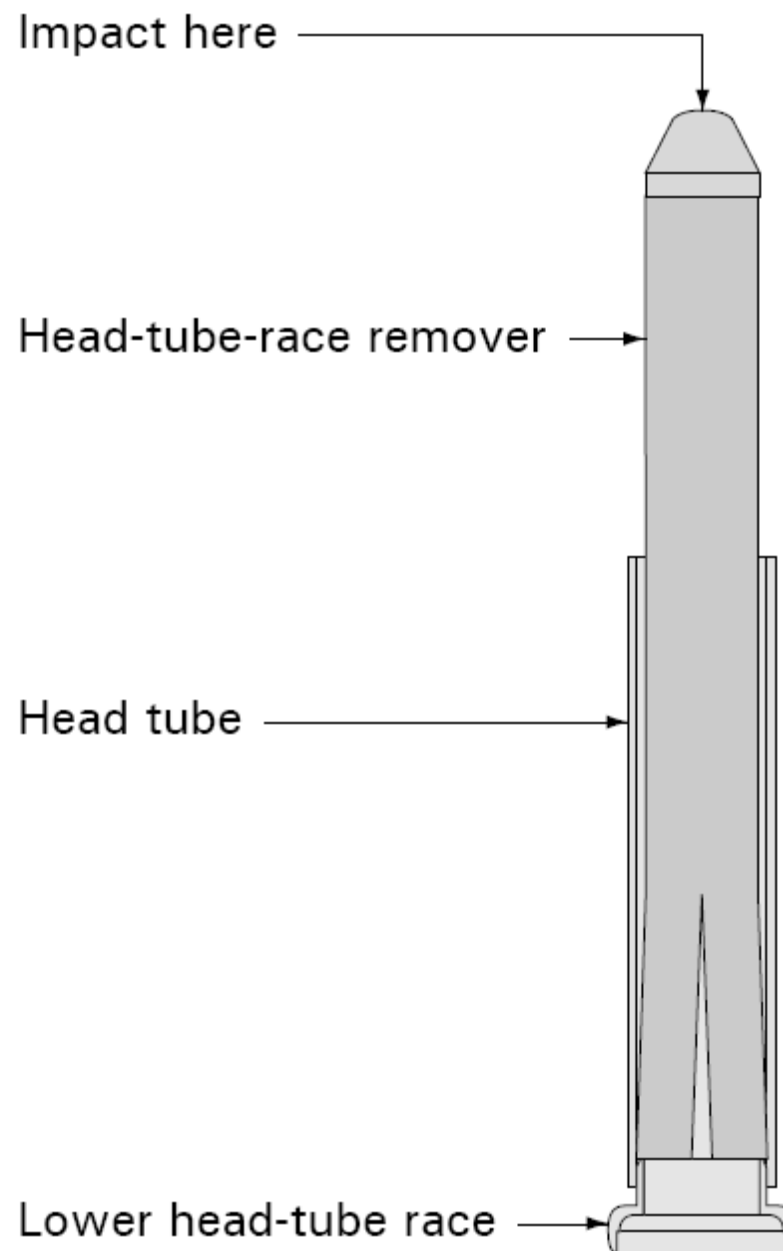


11.1 Parts in a traditional threaded headset.

Inspect Bearing Races



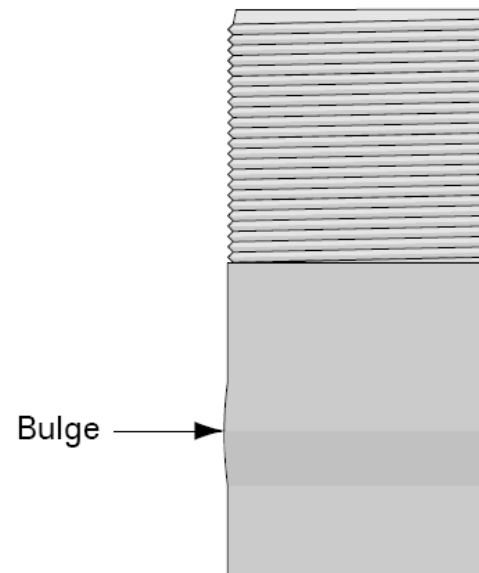
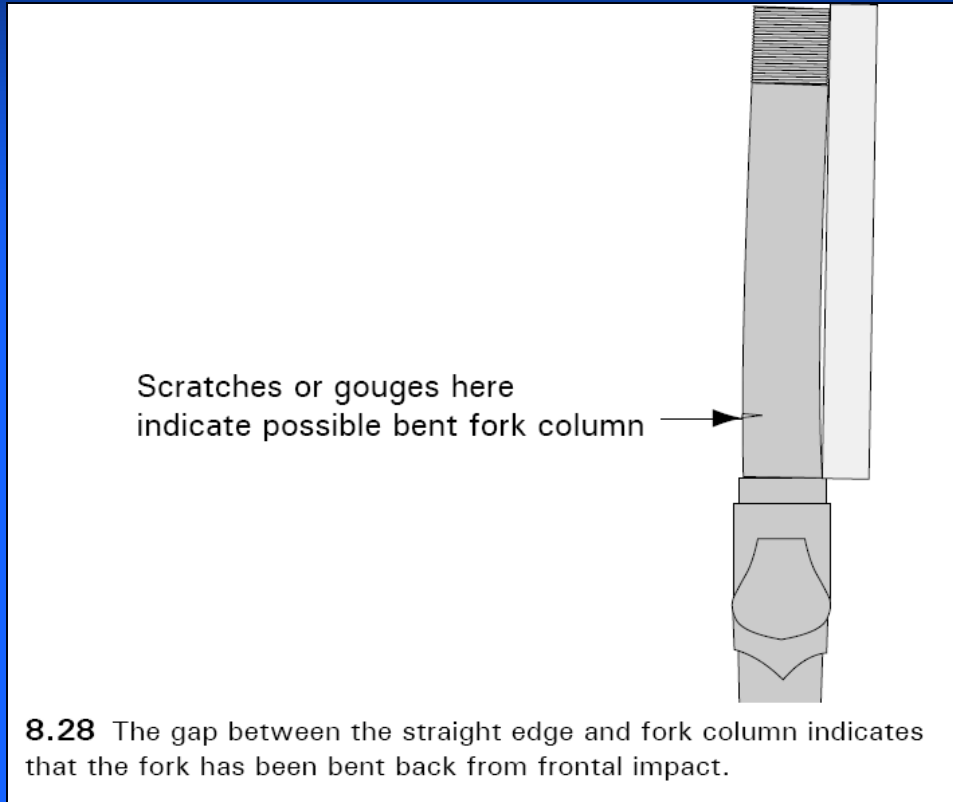
11.8 Dents in these races are called brinelling and are cause to replace the headset. Note that the positions of the dents correspond to the spacing between the ball bearings created by the retainer.



11.10 Removing the lower head-tube race.

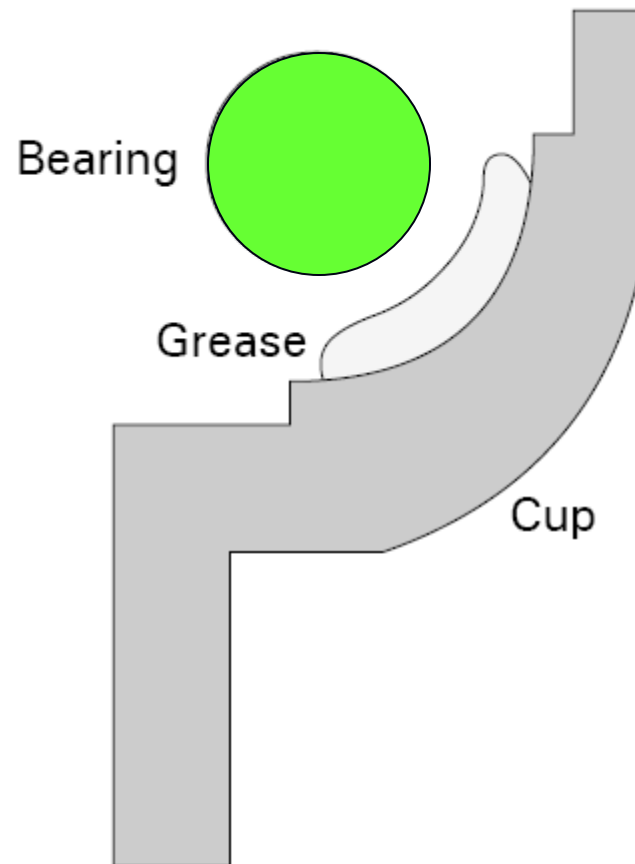
Steerer Tube

- inspect steerer tube for damage...



8.29 Bulge indicating fork column has been destroyed by a too-tight stem-binder bolt.

Lubricating Head Set Bearings



11.19 Put a light layer of grease in each cup. The thickness of the layer of grease should be less than $\frac{1}{2}$ the diameter of the ball bearing.

Adjusting Headset Bearings

- as with hub bearings and bottom bracket bearings, adjust headset
 - loose enough to allow freedom of movement
 - tight enough that steerer tube doesn't rock in the head tube

