

This document shows a simple example showing you how to measure your current bike setup using readily available items from around the house and without the need of a plumb-bob. The four dimensions you are required to provide will allow us to translate your current position over to the most suitable hire bike we can supply. Our aim is to make the transition to your hire bike as quick and as smooth as possible by having it setup as close as we can to your own bike before your arrival.

Resources you will need

- A tape measure.
- A hard cover book of about A5 size (or around 21 x 15cm) is sufficient. Any other solid flat object of a similar size will also do.
- An external (90 degree) corner post or wall rising vertically from a flat surface (eg the floor or a paved area). This corner could come in the form of a square roof support post of reasonable dimensions (+ 90mm) or an external corner of a room or a wall. Note that trimmed door frames are usually not suitable as the architraves and door stops do not provide reliable surfaces from which to take the measurements.

Dimensions you do need to provide

- Distance from Floor to Top of Saddle
- Distance from Floor to Centre of Handlebars (near the stem)
- Distance from Front of Saddle to centre of Handlebars
- Distance from Centre of Bottom Bracket to Front of Seat

Other dimensions that may be useful

- Preferred Crank length
- Bottom bracket height (distance from floor to centre of bottom bracket)

Measure from floor to top of saddle

Stand the bike as upright as possible against a wall or post.
Place the hardcover book flat on top of the saddle as per figures 1 and 2.

Figure 1: Book on saddle – view from top.

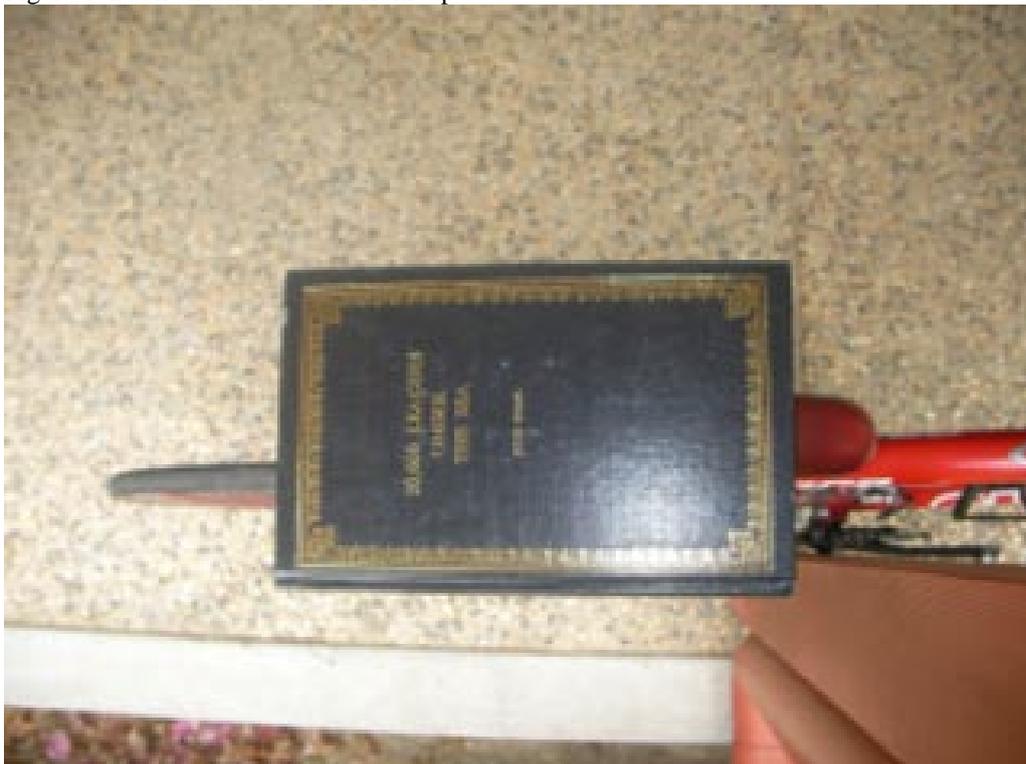


Figure 2: Book on saddle – view from side.



Take the measurement vertically from the floor to the bottom edge of the book as per figure 3.

Figure 3: Measure from floor to book.



Your measurement: _____ mm

Measure from floor to centre of handlebars

Still with the bike as upright as possible take the measurement from the floor to the centre of the handlebars close to the stem. Keep the tape as vertical as possible although small variations will not cause significant discrepancies as long as you measure to the centre of the bars as per figure 4.

Figure 4: Measure from floor to centre of handlebars.



Your measurement: _____ mm

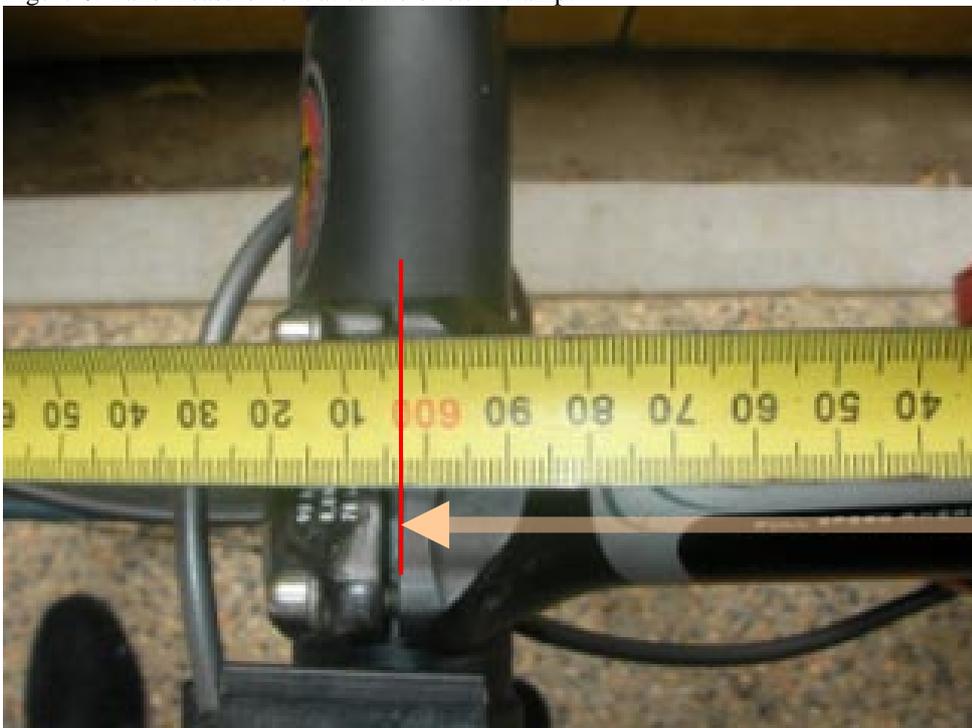
Measure the distance from saddle to handlebars

This measurement is taken from the tip of the saddle to the centre of the top part handlebars (centre of the handlebar to stem clamp) as per figure 5. You just need to keep the handlebars square to the frame (i.e. in the straight ahead position) and take the measurement to the centre of the clamp mechanism as per figure 6. Note that it is perfectly normal for this measurement to be taken at an angle to the floor or ground - i.e. it does not need to be kept horizontal to the ground – just keep the tape straight from the tip of the saddle down to (or up to as the case may be) the centre of the handlebar clamp.

Figure 5: Seat to handlebar centre measurement.



Figure 6: Take measurement at centre of stem clamp.



Your measurement: _____mm

Measuring from the bracket centre to the saddle

You will need to find a +90mm square support post or an external corner of a room or wall so that you can accurately perform a square measurement. Set the bike as upright as possible and move it so that the centre of the bottom bracket (or crank) is perfectly aligned at the corner of and with one side of the post or wall as per figure 7.

Figure 7: Align the bottom bracket or crank with the corner of the post or wall.



Now hold the book squarely along the side which is at right angles to the bike and ensure that it is overhanging the end so that it lines up with or overlaps the saddle sufficient to take a measurement as per figure 8. This may be easier to do with the help of another person.

You can substitute the book with any other straight object such as a block of wood or square steel bar for the purpose of these measurements. If you cannot find help and you have a suitable post to use then the wood or steel object could be clamped to the post at the height of the saddle for the purpose of taking the measurement as per figure 9.

Figure 8: Hold book or another straight object firmly and squarely along one side of post or wall.



Ensure that the bike has not moved and is still aligned with the corner as per figure 7 then measure the distance from the tip of the saddle to the edge of the book or other straight object being used as shown in figure 9.

Figure 9: Measure from tip of saddle to edge of book.



Your measurement: _____ mm