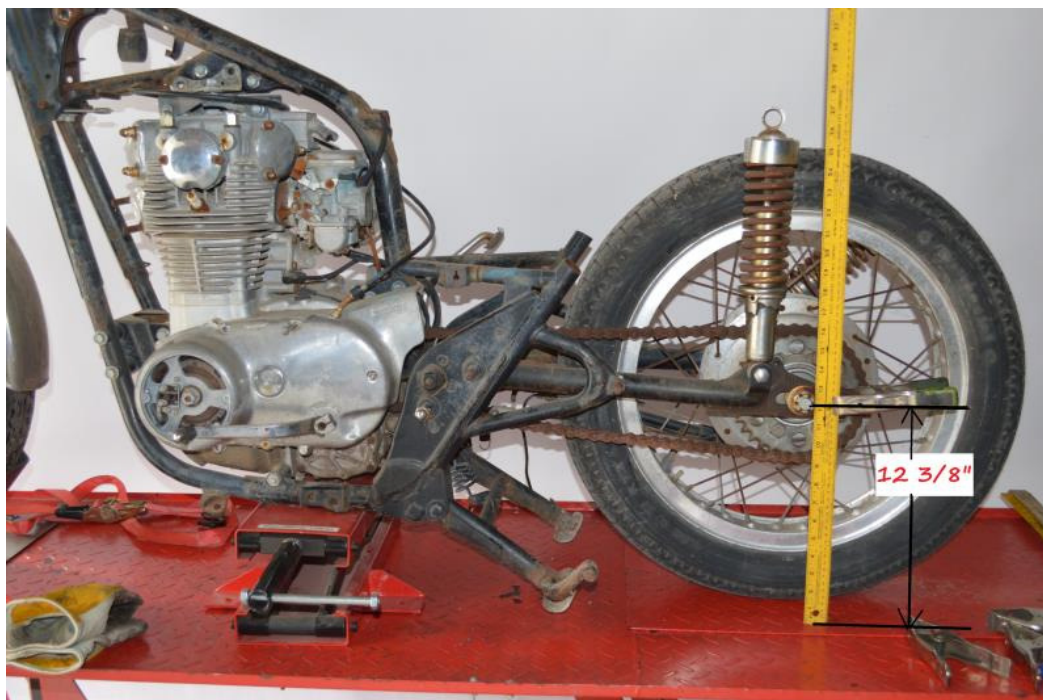


This is the process that I go thru when developing a new product. I do this to give myself a visual of what I want to make. I think this will also be helpful for figuring out what stretch and drop you might want. In these pictures I'm using an old Yamaha xs650 that already has some stuff cut off of it. But this will apply to any bike.

Start by supporting the bike at ride height. The swingarm should be level or slightly downhill. Axle center in this example is at 12 3/8".



Here I have cut some cheap yard sticks and clamped them to mock up where the hardtail will be with the rear axle still in place. This is a 0" stretch with 0" drop.





(NOTE AXLE CENTER TO SWINGARM PIVOT. THIS ONE IS 19")

Support the swingarm at ride height so it is fixed and will move with the rest of the bike. Now remove the rear axle, chain, shocks, brake stay and rod. With the rear wheel setting in the stock position lower the bike so you have 2" from the swingarm slot to the axle center.



Now re-clamp the yard sticks as shown and stand back and take a look. This is a 0" stretch with 2" drop.



If that's not what you want, try moving the wheel back to get a different look. Here I'm moving it back 4". And since we have not moved the position of the bike we now have a 4" stretch with 2" drop. By keeping track of a few dimensions you could move things around to get what you like best.



Remember at the start we noted the 19" axle center to swingarm pivot. At 4" stretch it is now 23"

