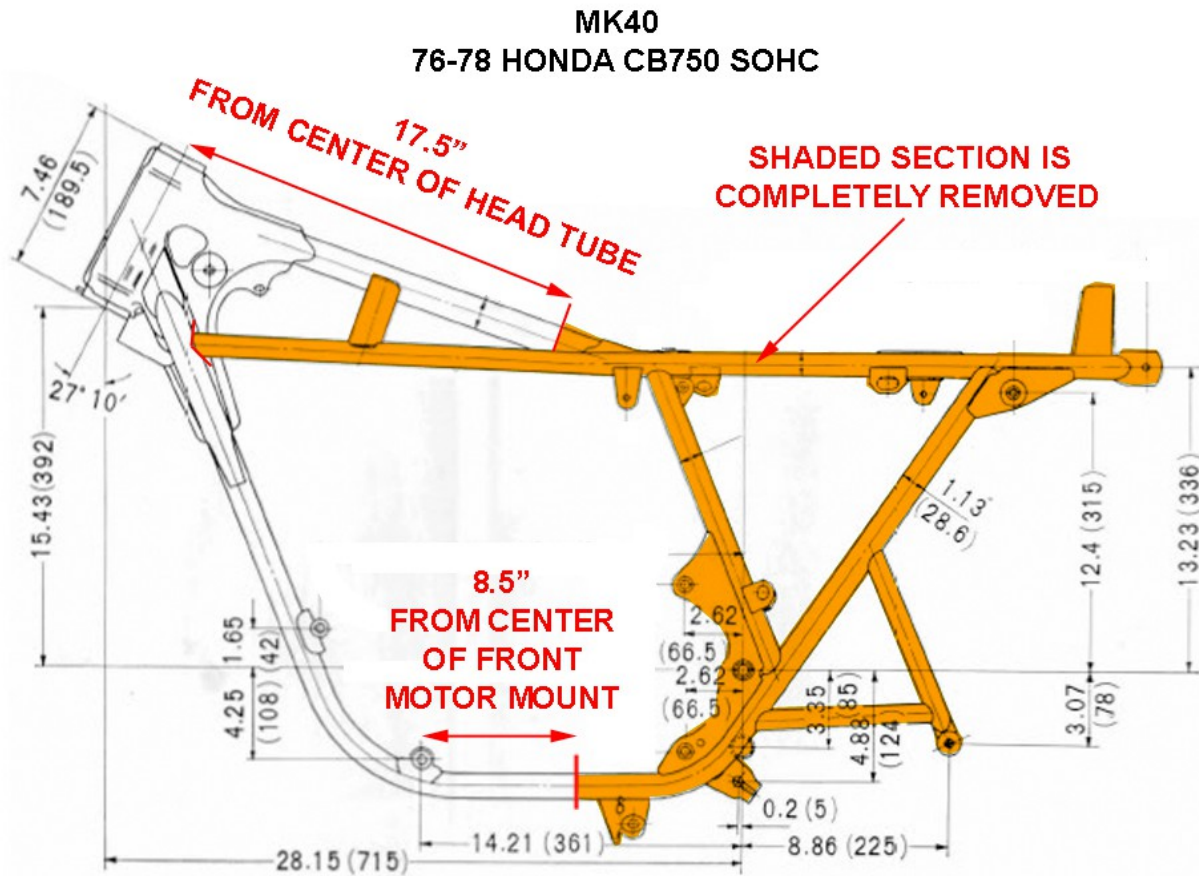


INSTRUCTIONS for the Voodoo Vintage
MK40 hardtail for the CB750 SOHC

Thank you for purchasing the MK40 weld on hardtail for the Honda CB750 SOHC frame.

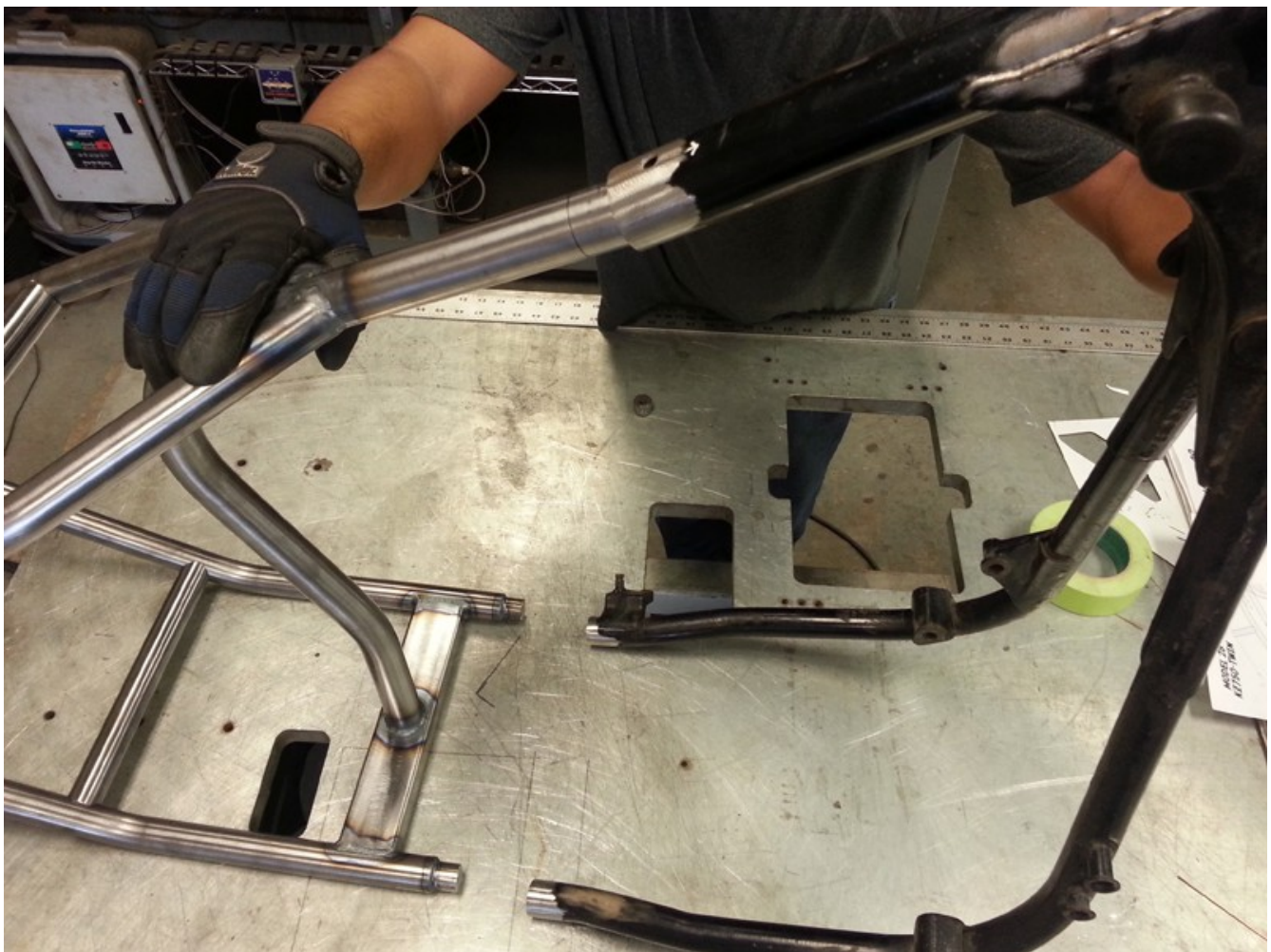
You will begin by cutting your stock frame and preparing it for hardtail installation. Using a hand grinder with a cutting wheel or a power saw, cut at the dimensions provided below. Attention to the sections that require complete removal.



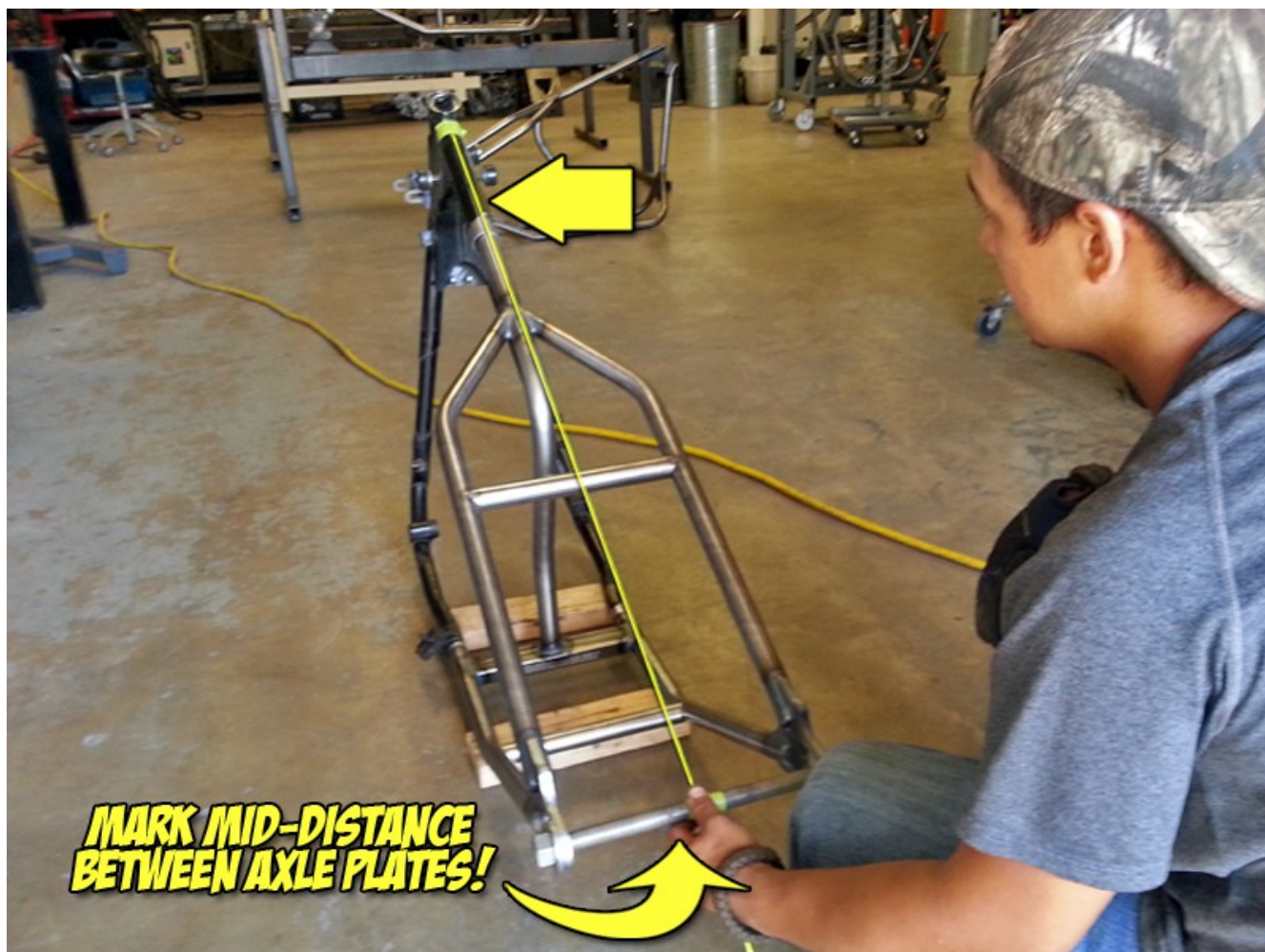
Once your cuts are complete, you will need to prepare the surfaces for welding. Begin by cleaning around the OUTSIDE and INSIDE of your cuts with sand paper or a Dremel type tool. Drill a small hole (around 1/4") no more than 1 inch away from the cut line. This will be used to weld a slug anchor once the hardtail is installed. Repeat the process on the lower two rails as well...



Although this photo is showing a different hardtail, you will install yours in the same manner by sliding the large solid slug in at the top and then aligning and installing the two smaller slugs at the bottom. Once all three slugs are started, you can adjust the hardtail toward the frame until a tight fit is achieved.



Once the hardtail is in place, you will check the alignment of the hardtail to the factory frame. Do this by securing a string to the very top dead center of your frame's head tube. Using a ruler, find the center point between your axle plates. Run the string from your head tube to the center point between the axle plates and adjust the hardtail left or right until the string becomes aligned with both the factory frame and the backbone of the hardtail as shown:



After aligning the backbone, make sure that the axle plates are 90 degrees horizontal to the frame. This does not require laser technology... Just use your good "eye" and verify that your rear wheel will mount straight up and down and not angled to one side or the other...

Once everything looks good, begin by tack-welding your hardtail into position and then re-check all your alignments. If anything is off, now is a good time to grind your tack-weld and correct the problem!!!



Now that your hardtail is tacked into position, you will temporarily install your motor in place by blocking it up in the back until the (included) motor mounts fit nicely to the motor and the rectangular cross stay on the hardtail.

We've used a JIG instead of a motor, but this is similar to the result you should get...



As a precaution... We suggest placing a washer BETWEEN the motor mount plates and the motor before tacking the mounts in place. Once the mounts are tack-welded in place, remove your motor and apply full welds to the mounts inside and out.

At this time, you can finish welding all the remaining connections on the hardtail.

You have just completed your hardtail installation!

Your CB750 SOHC should now look something like this...



I'm sure you noticed that the upper cross bar (seat stay) was simply tacked in place when we shipped it to you. This is so that you can cut the tacks, and position the seat stay according to the size and design of your seat and springs (if any).

The same applies to the bottom cross bar (chain stay). We recommend not welding the chain stay in place until the bike is fully mocked up. Make sure you have proper chain clearance (at least an inch) from your chain to avoid contact under drive load.

And the rest is up to you my friend!

Good luck with your build and we would LOVE to see some project photos as well as a nice finished photograph of you and your show winning bike!

Take care and talk to you soon.