

Although we are still working on the "official" nice-looking instruction PDF, here is some information to get you through...

You will start prepping your frame by making the following cuts:

Measure 13" down from the outer edge of your head tube and scribe the backbone.

Notice that the TWO side tubes are marked for removal. Take care when cutting them not to get into the main down tubes.



Then, from the centerline of the motor mount, measure 6" toward the rear of the frame and scribe. The frame will then be cut top and bottom on all three marks.



Next, you will clean the INSIDE and OUTSIDE of all three cut locations and drill your plug holes for welding the hardtail in place.



Install the backbone into the hardtail as shown. Rotate the backbone until the bottom can be placed inside the cut hole on the cross member.



You will follow this procedure approximately...

**INSTALL THE BACKBONE SECTION INTO YOUR
TAIL AND MAKE SURE IT IS ALIGNED CENTERED
AXLE PLATES BEFORE
TACKING INTO PLACE...**



**TYP. BACKBONE
INSTALLATION**

Once your backbone is tacked in place, the hardtail section should resemble this...
Be sure NOT to fully weld the seat post connections (top or bottom) until the hardtail is fitted to the frame.



When installing the hardtail to the frame, make sure the complete assembly is IN LINE with the original frame and that the axle slots are PERPENDICULAR to the plane of the head tube. Use your "good eye"! :) Once everything looks great, tack the hardtail in place and then check again for alignment.



Although not shown, the next step is installing your motor and staging the rear motor mounts by bolting them in place.

Be sure that the bottom of the motor mounts are "somewhat" flat against the rectangular cross member.

Suggestion: I like to place a washer or two between the motor mount tabs and the motor itself. It makes it a TON easier for removal and installation and just in case the motor needs to be "tweaked" a little, you have room to shim it in place.



Once your rear motor mounts have been tacked in place, remove the motor for the final time and fully weld everything.

Don't forget to check your alignment again and again during this procedure. If necessary...

Sometimes you can "nudge" the hardtail back in place

before all welds are made. Your final installation should look something like this:



Best of luck to you in your build and please let me know if you need anything else my friend!



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