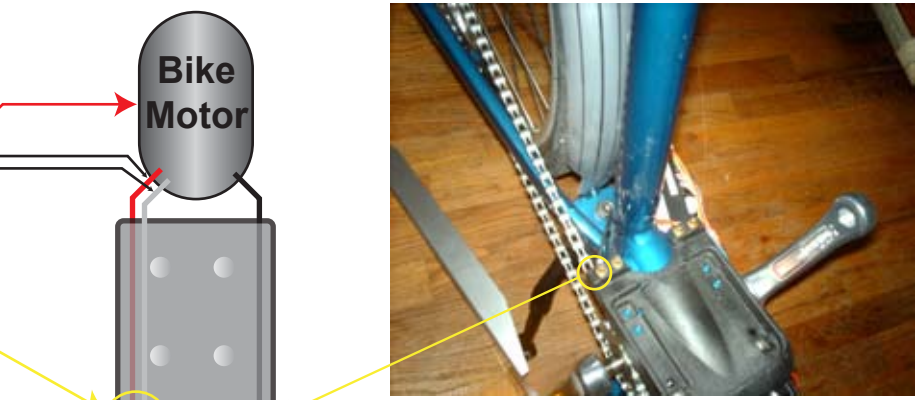
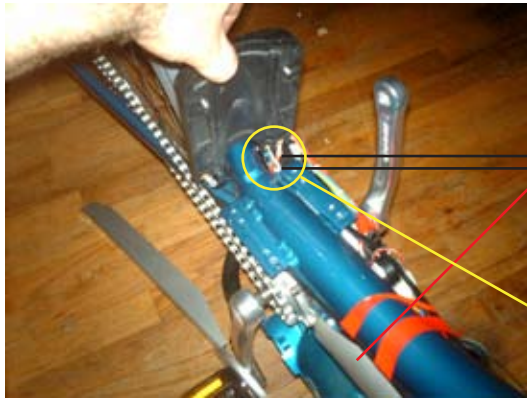


My Merida 550 Electric Bike Project

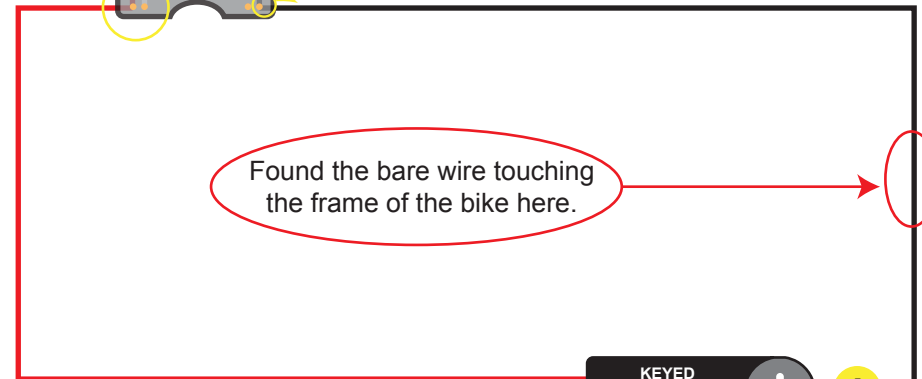
I've been wanting an electric bike for some time. I've looked at and drooled over all the various conversion kits out there and almost bought one. Maybe I should have. Anyway, I saw this bike on ebay. It was brand new but didn't have the battery pack that goes with the bike. I got it dirt cheap! Now I'm trying to get the battery pack rigged up. I bought a SONEIL battery charger from Electric Rider and a wiring harness. I bought 2 - 12 Volt, 18 AH batteries from BatterySpec and I assembled the whole thing last night.

I turned on the key switch and there was an immediate POP sound! I investigated and discovered my 40 amp fuse burned completely through. I am wondering what I have done wrong?



I double checked all my wiring to make sure I hadn't mixed up the POSITIVE or NEGATIVE connections. All I found was a spot where I had a BLADE connection in the wires and the bare blade connection was touching the frame of the bike. Would this have caused my fuse to blow?

I am also curious if anyone knows what the WHITE wire is for? It was connected to the second screw on the POSITVE side of the battery plate and appears to go to the controller board mounted below the battery plate on one side of the bike.



Found the bare wire touching the frame of the bike here.

