

prius inverter gen 3 + toyota rear motor

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Abricosvw 10 mW

prius inverter gen 3 + toyota rear motor

Jul 09 2018 7:30pm

hi ...

i am from NJ ... ((if someone is nearby??))

my new project I want to run prius inverter gen 3 + toyota highlander rear motor ... ((homemade hybrid))

I want to install all this set on to 96 vw passat B4 on rear wheels ... ((at an early date))

I do not have much experience and no education but I have a lot of interest ...

my first steps i got highlander rear motor 50KW

on the video, I just test it works or not ((12V cheap chinese driver))

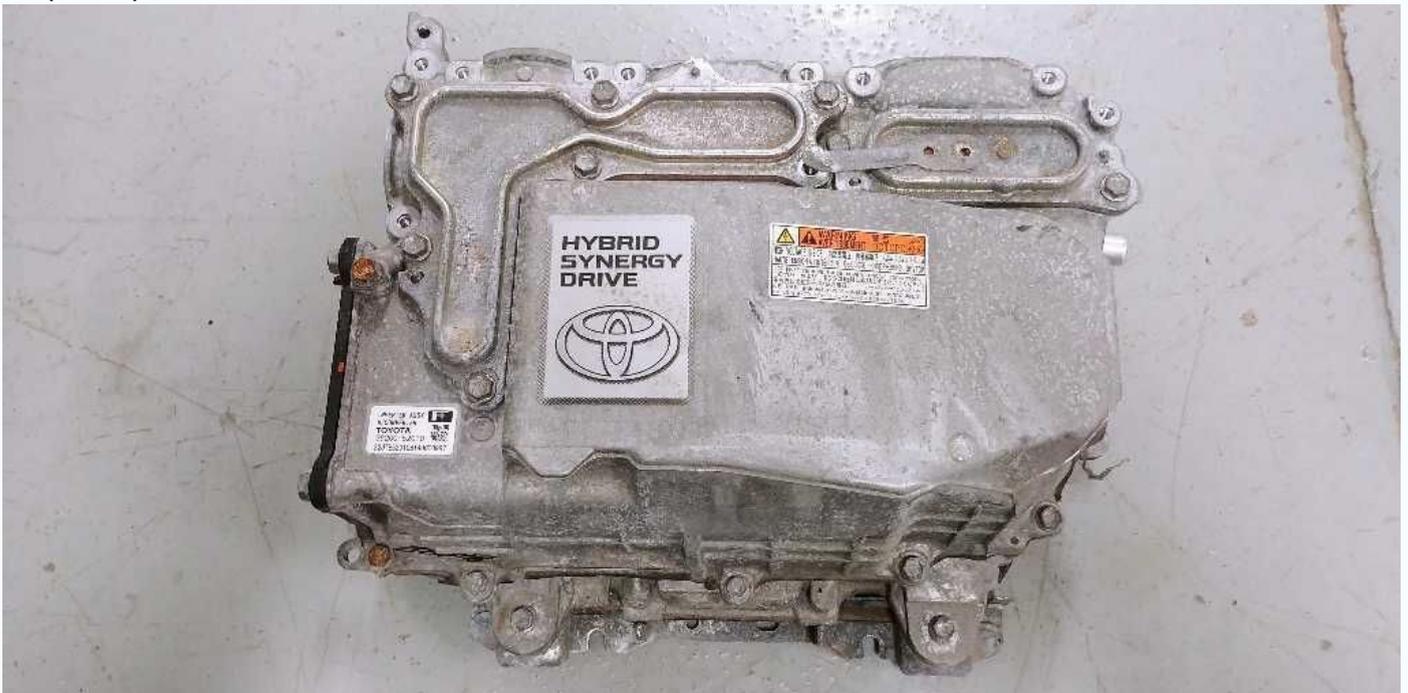
[youtube]<https://youtu.be/xrGgDHG6X7w>[/youtube]Last edited by [Abricosvw](#) on Jul 09 2018 7:32pm, edited 1 time in total.**Abricosvw** 10 mW

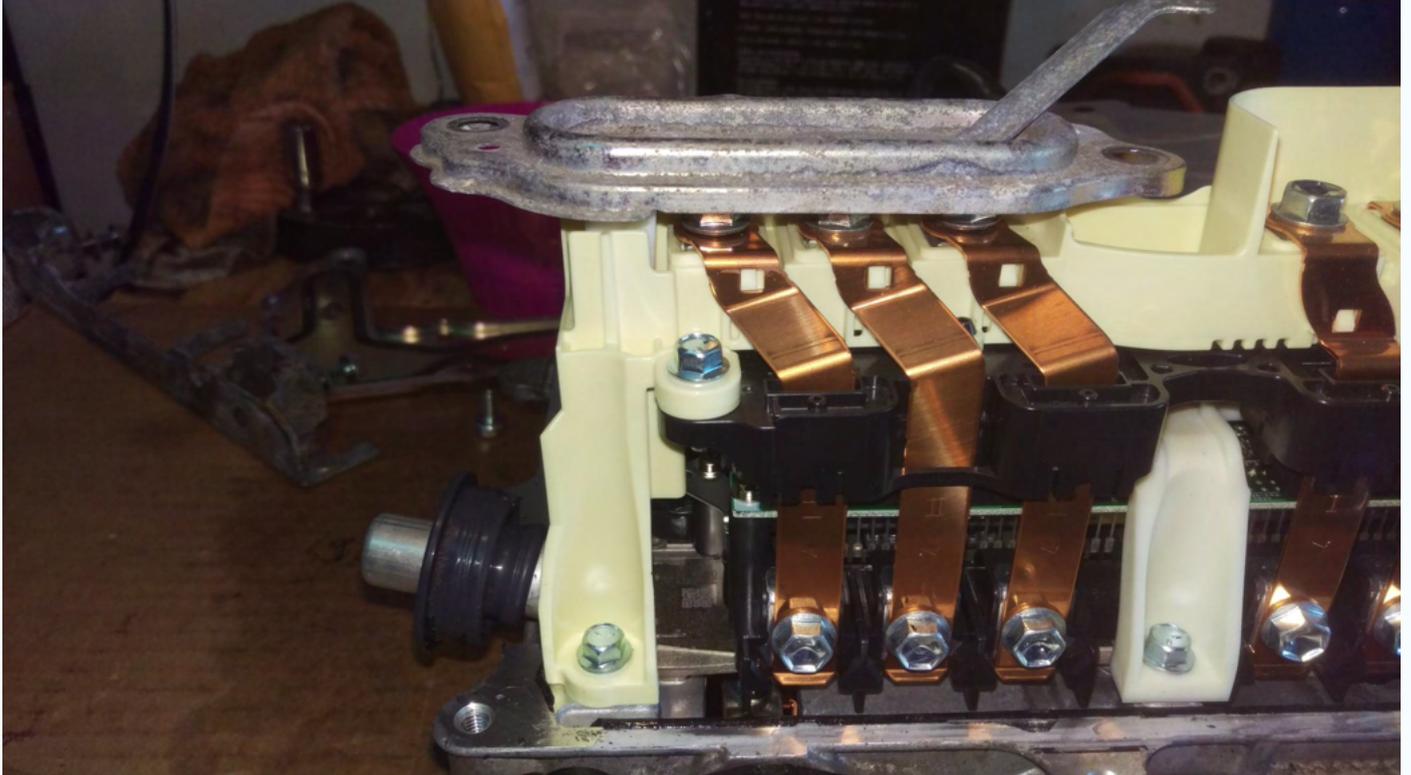
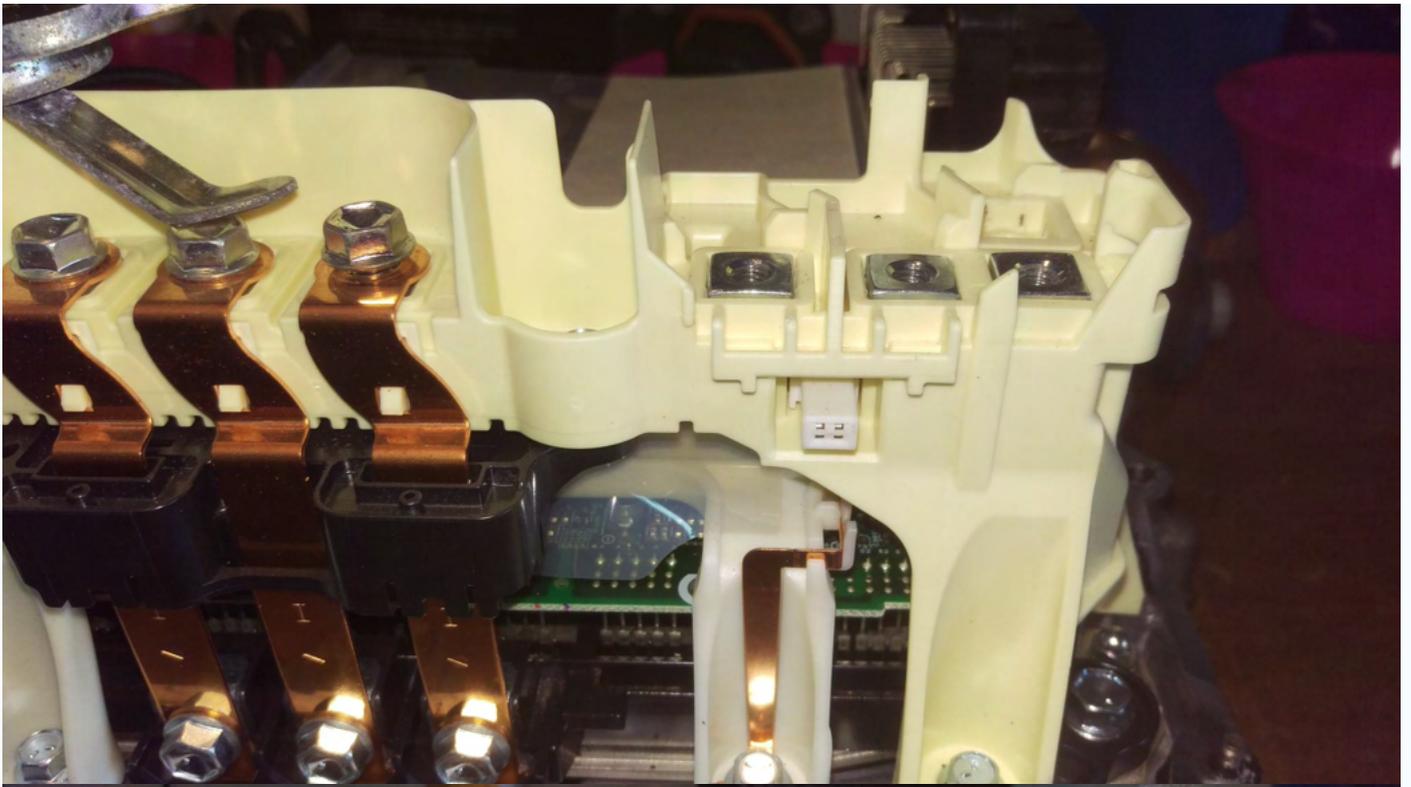
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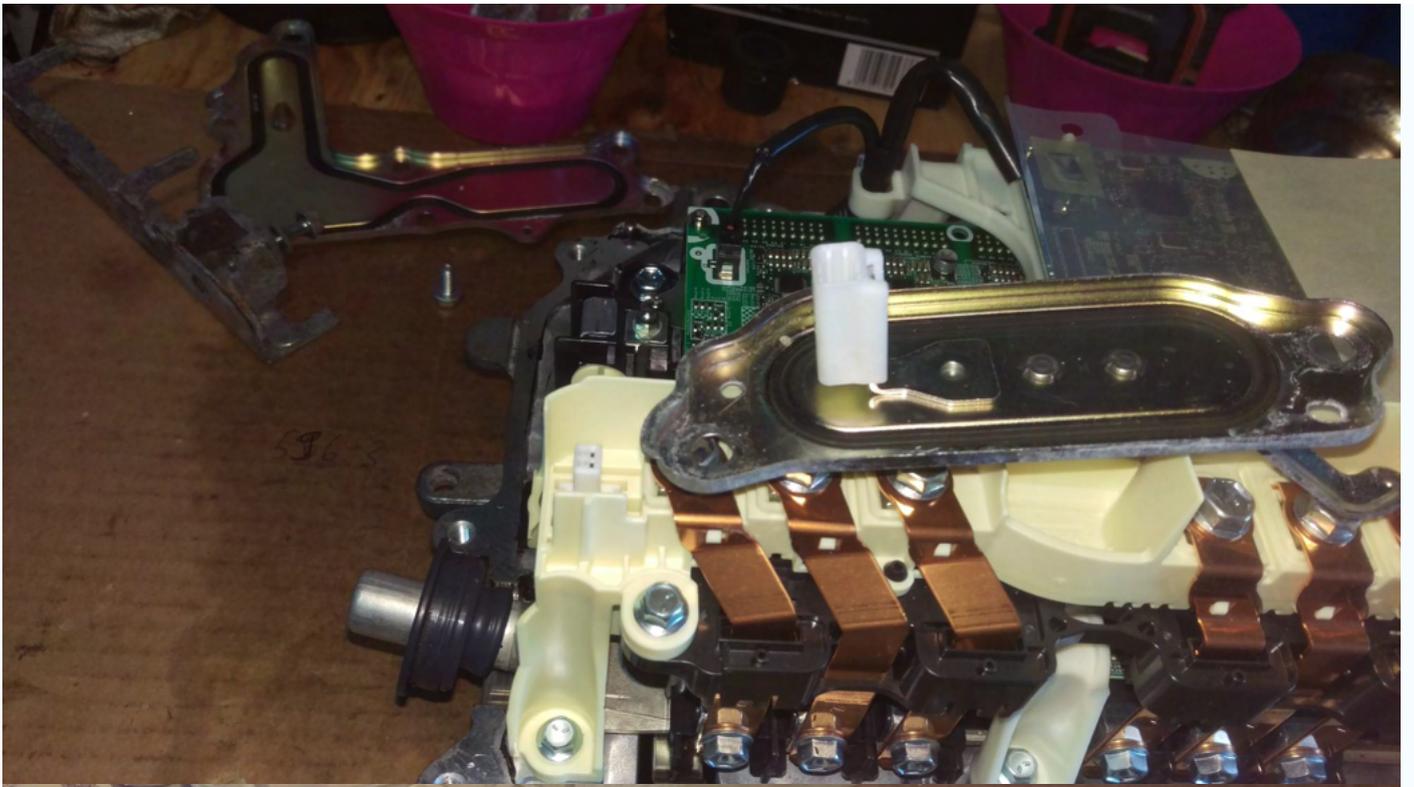
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step two prius inverter gen 3 100KW

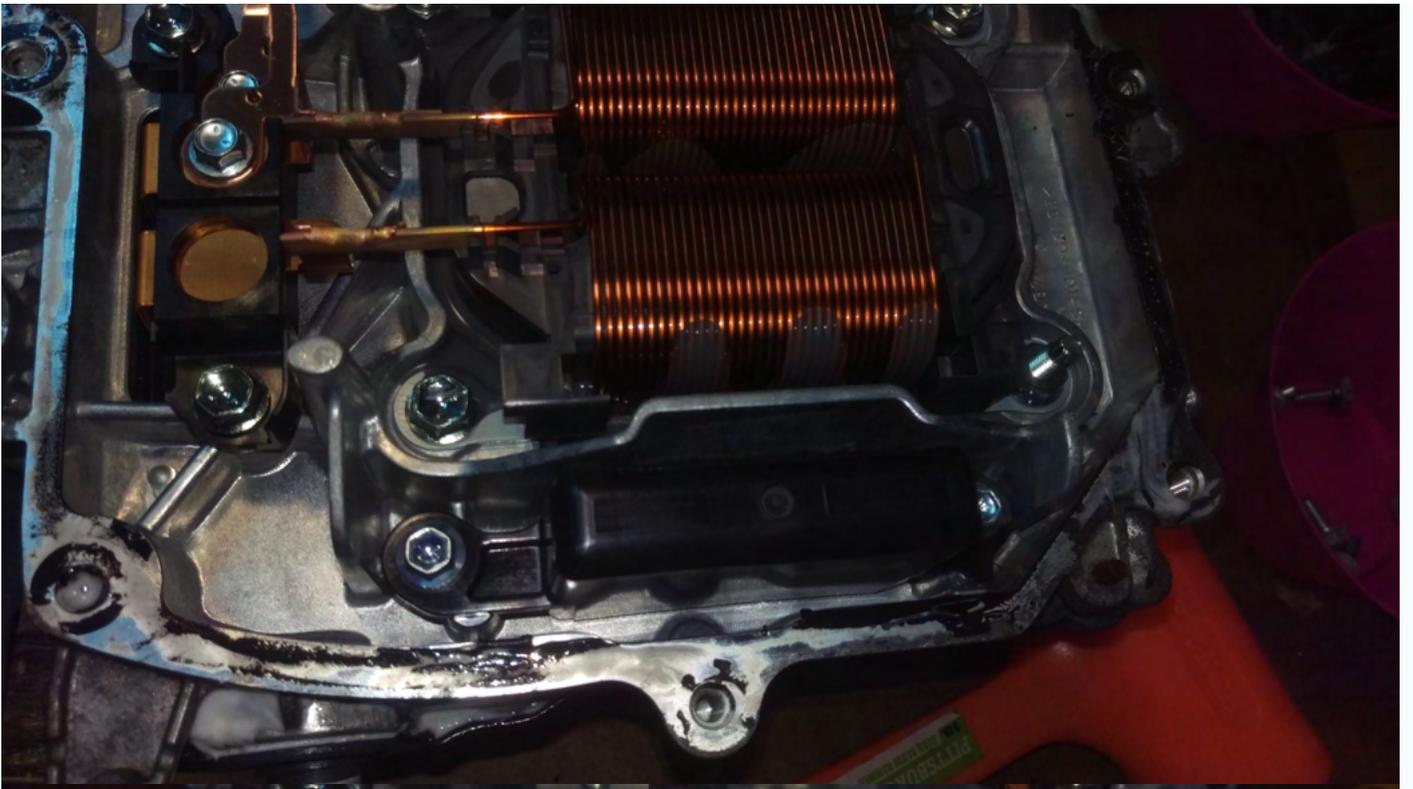
couple of photos

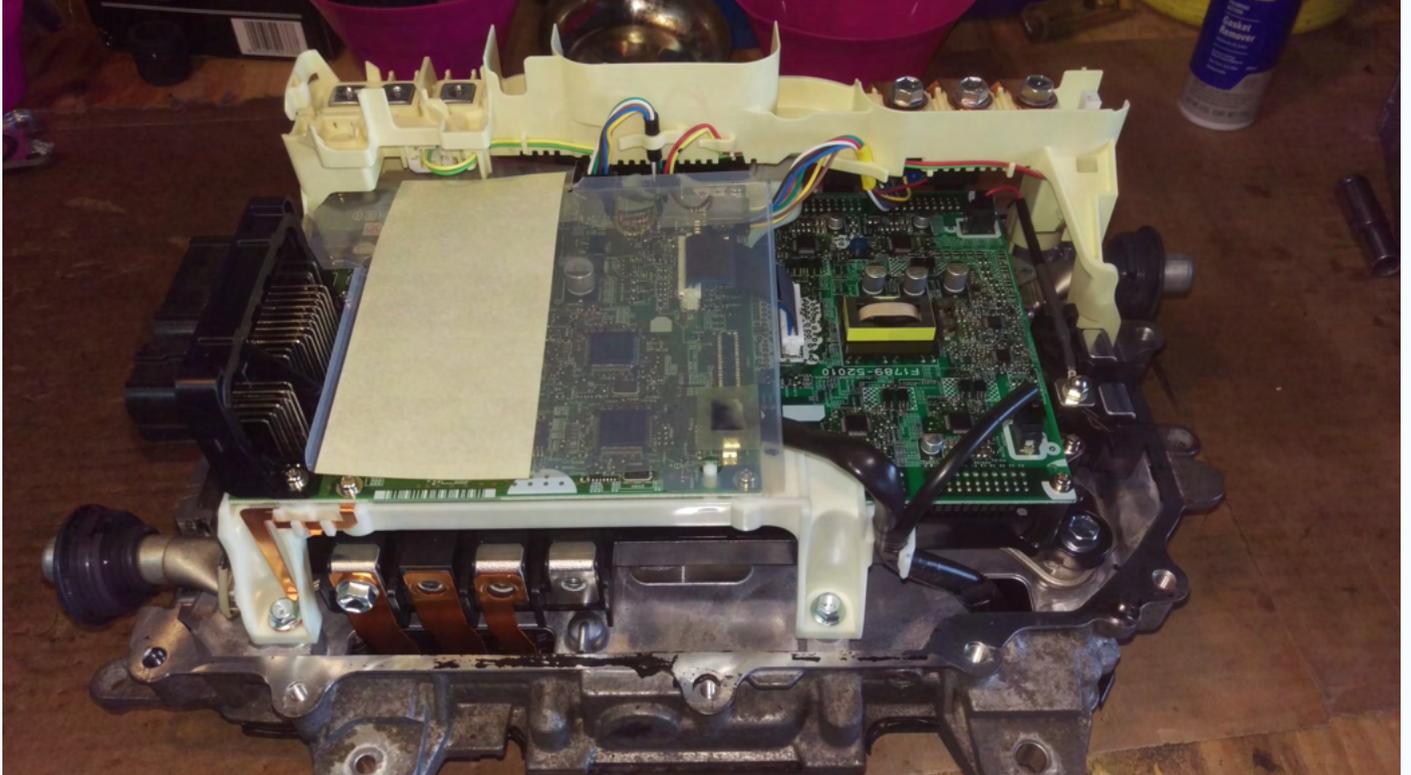
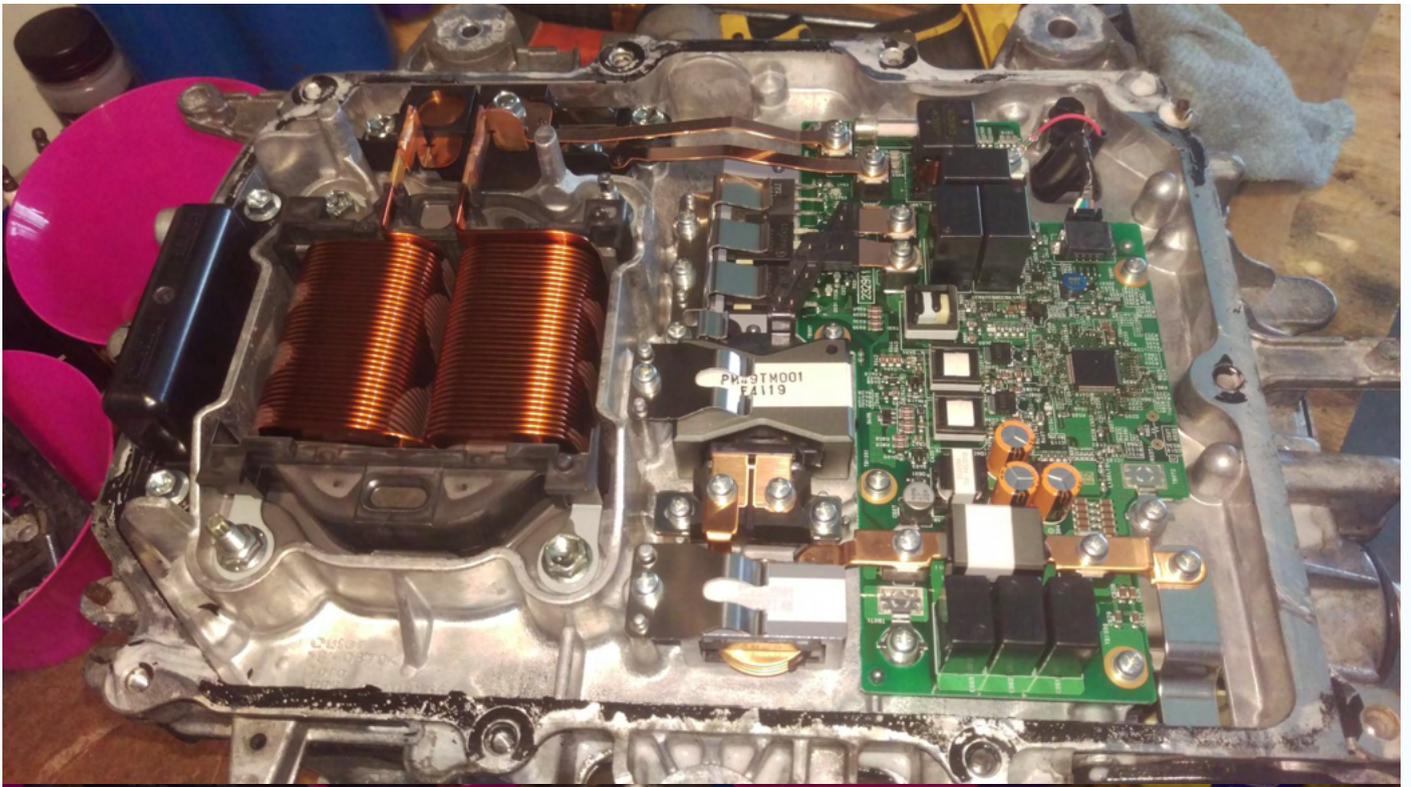




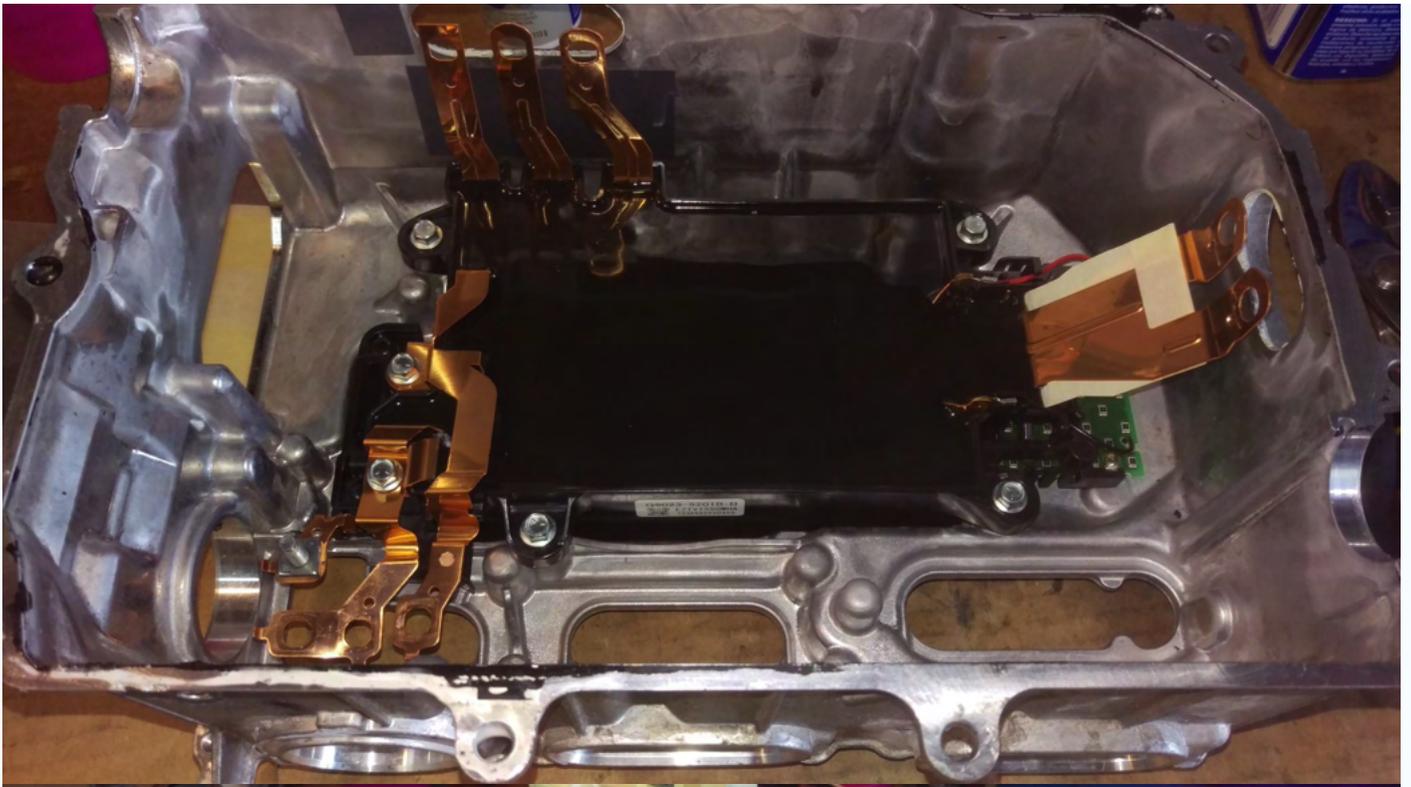












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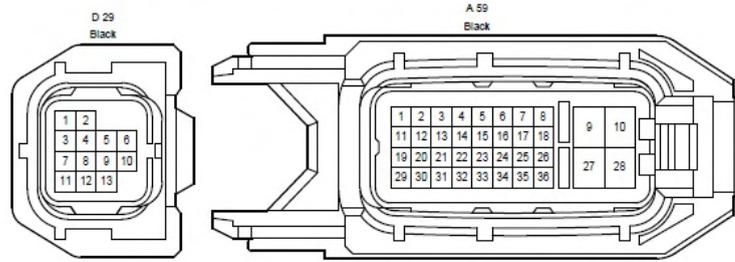
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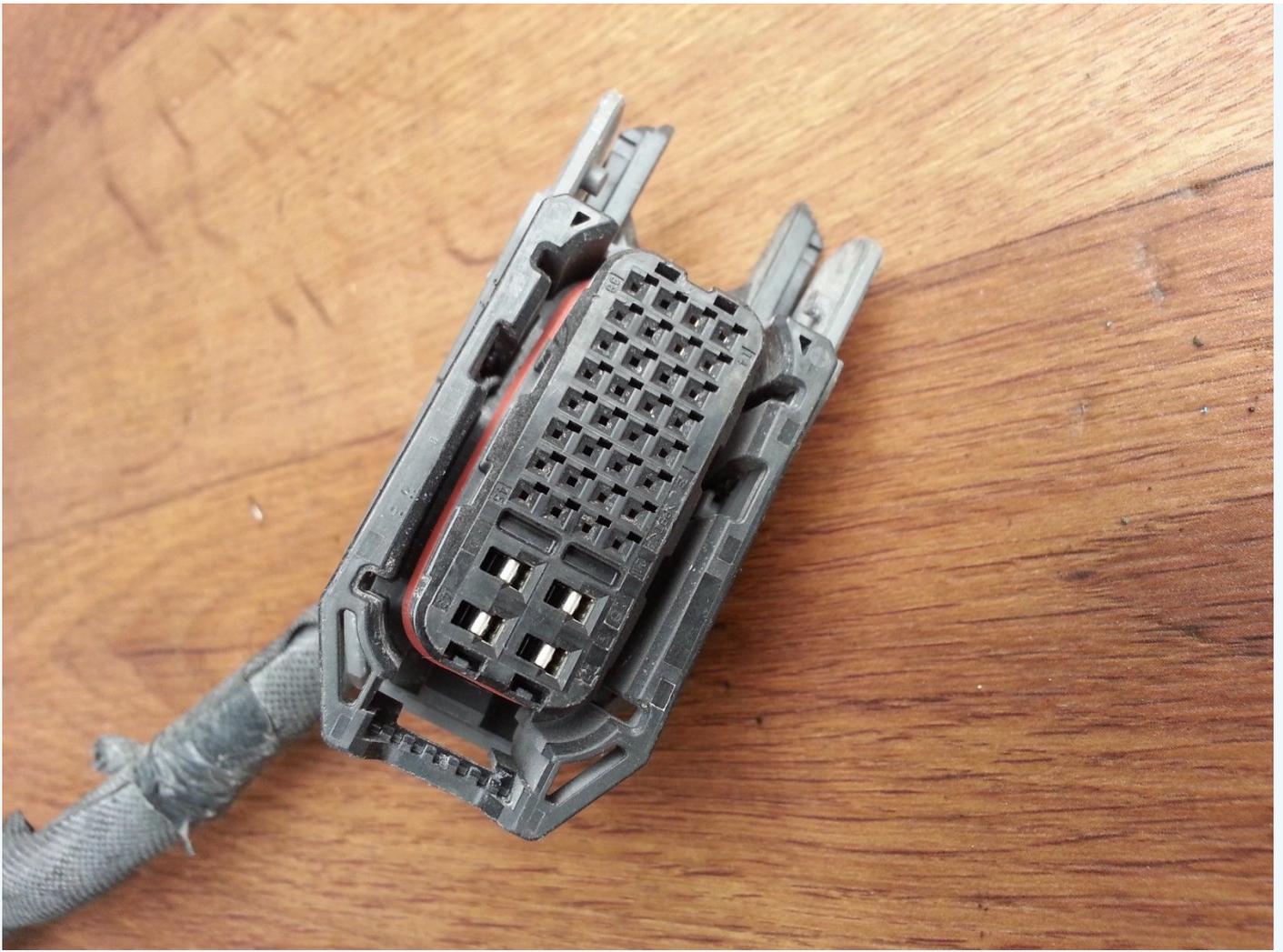
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step three inverter connector + pigtail

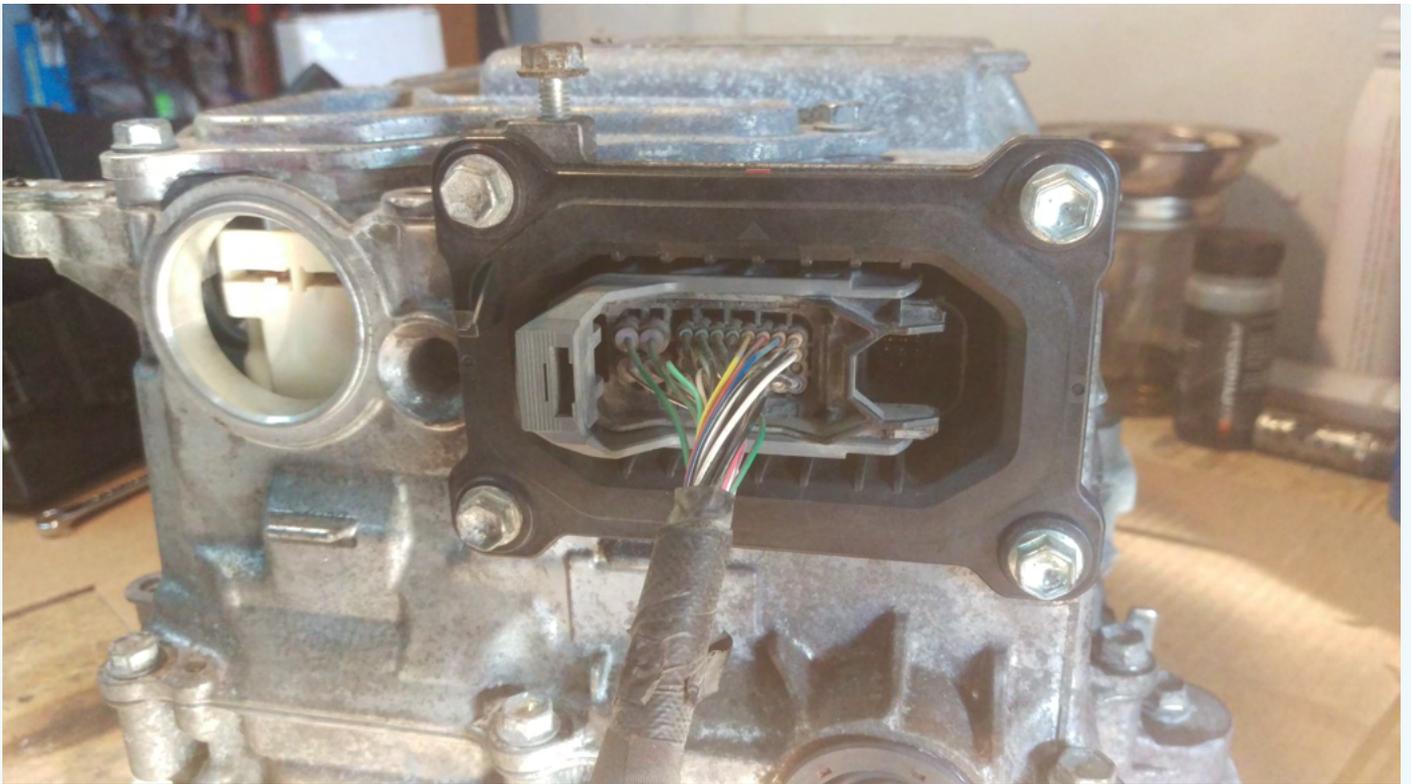
pigtail from inverter connector is attached to fuse box







I do not have connector from resolver encoder ((sensor))



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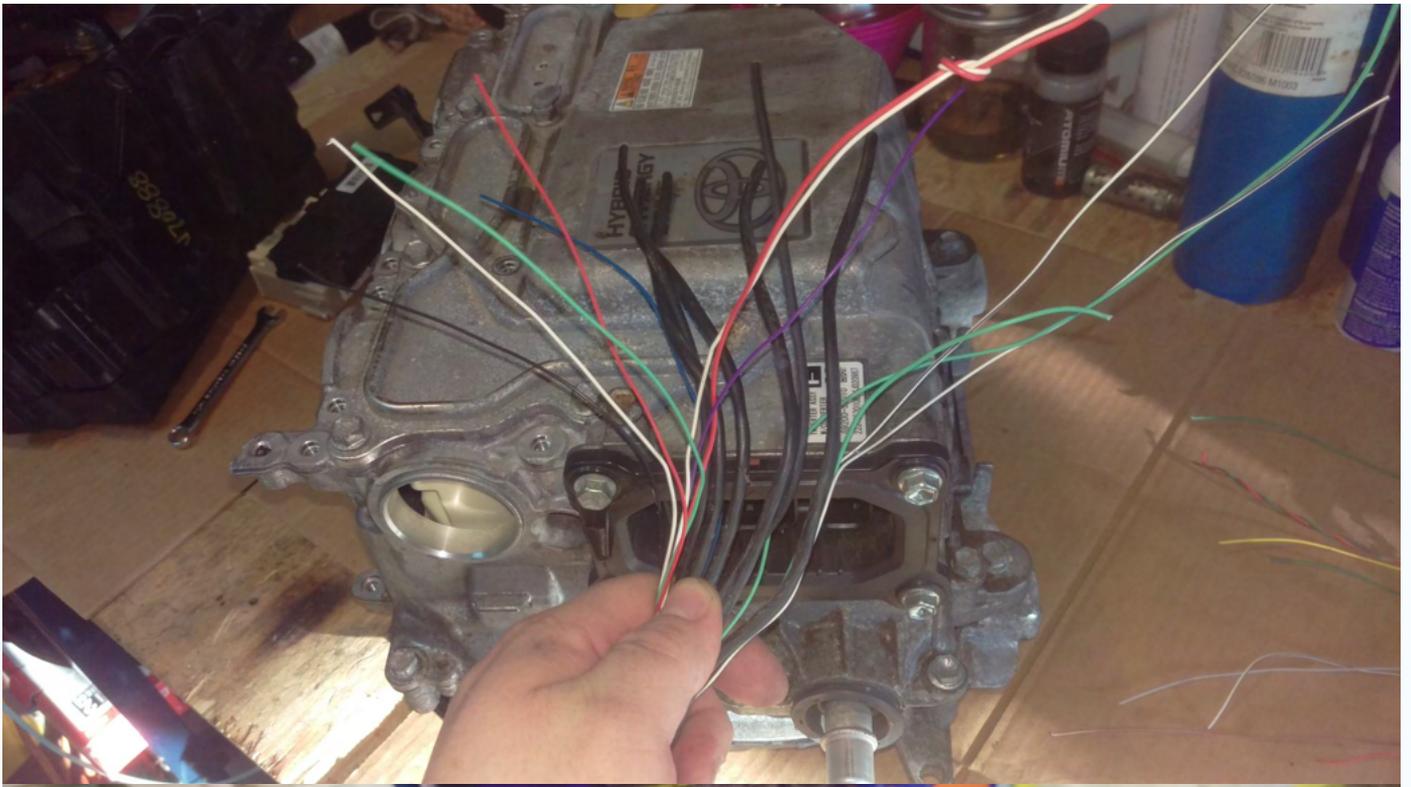
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step four

we need to understand what kind of wires ((enter and exit to the inverter))





if you pay attention to the blue electrical tape ...
there is a twist of wires and a change in the color coloration ...

 Image



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“

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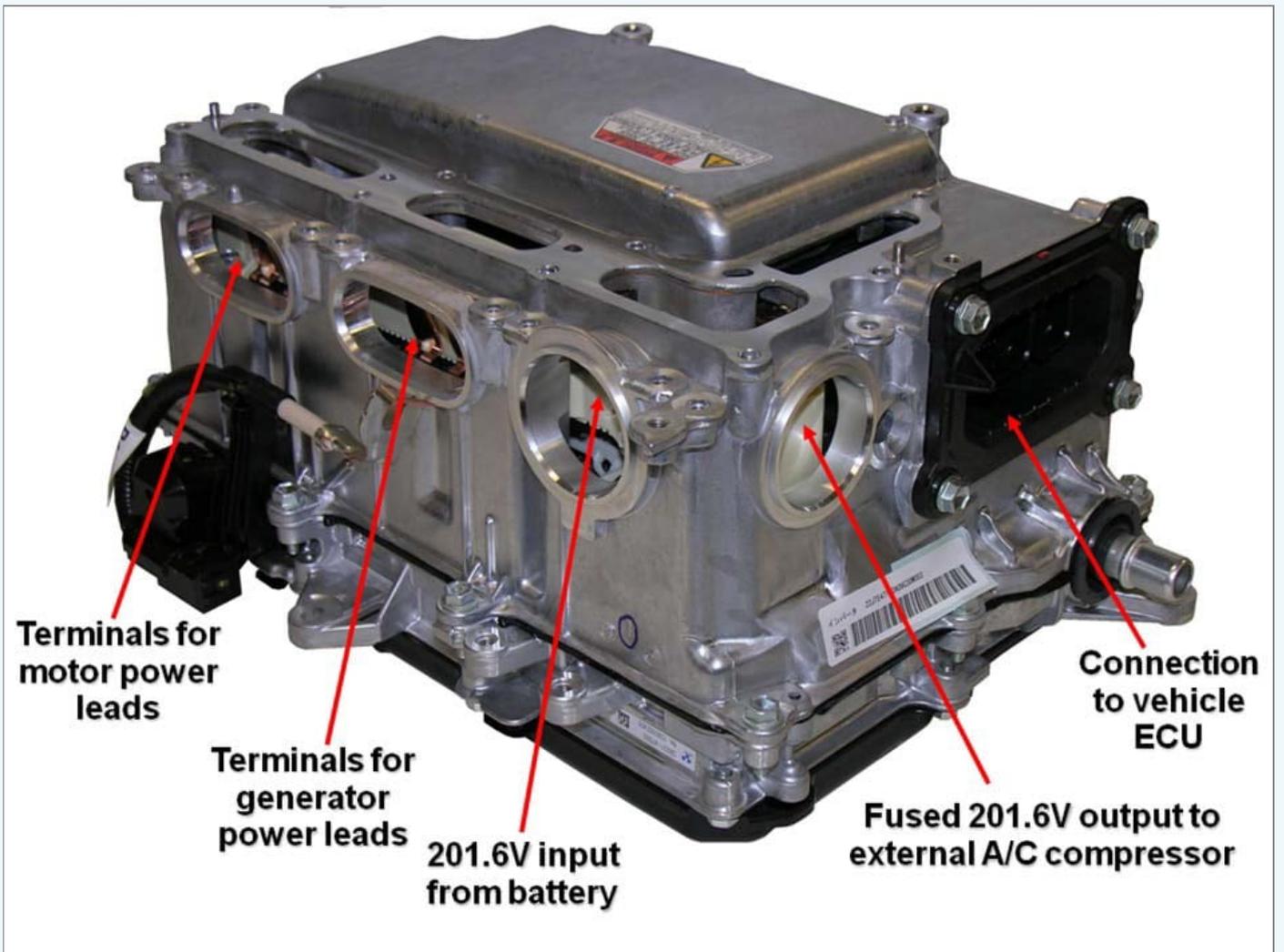
Now we need to understand which connector ((who is who)) ...





 **New Bitmap Image (2).jpg**

New Bitmap Image (2).jpg (145.12 KiB) Viewed 1963 times



New Bitmap Image.jpg (88.08 KiB) Viewed 1963 times

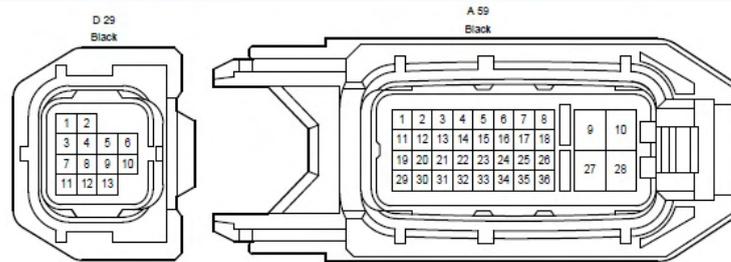
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now the most important thing we need to understand how to control the inverter ...
we need a diagram and pinout from connector which on the side ((enters)) in inverter ...
in attached pdf file we are interested connectors D29 A59



 [inverter diagram gen3.pdf](#)

(1.04 MiB) Downloaded 217 times



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Jul 30 2018 5:03pm

now we need to somehow manage the inverter (driver) ...
so that you can manage and change settings and customize how your electric motor should rotate and work ...

we need Electronic control unit ...

I chose Lebowski's motor control [viewtopic.php?f=30&t=57877&hilit=Lebowski+Brain+board](#)

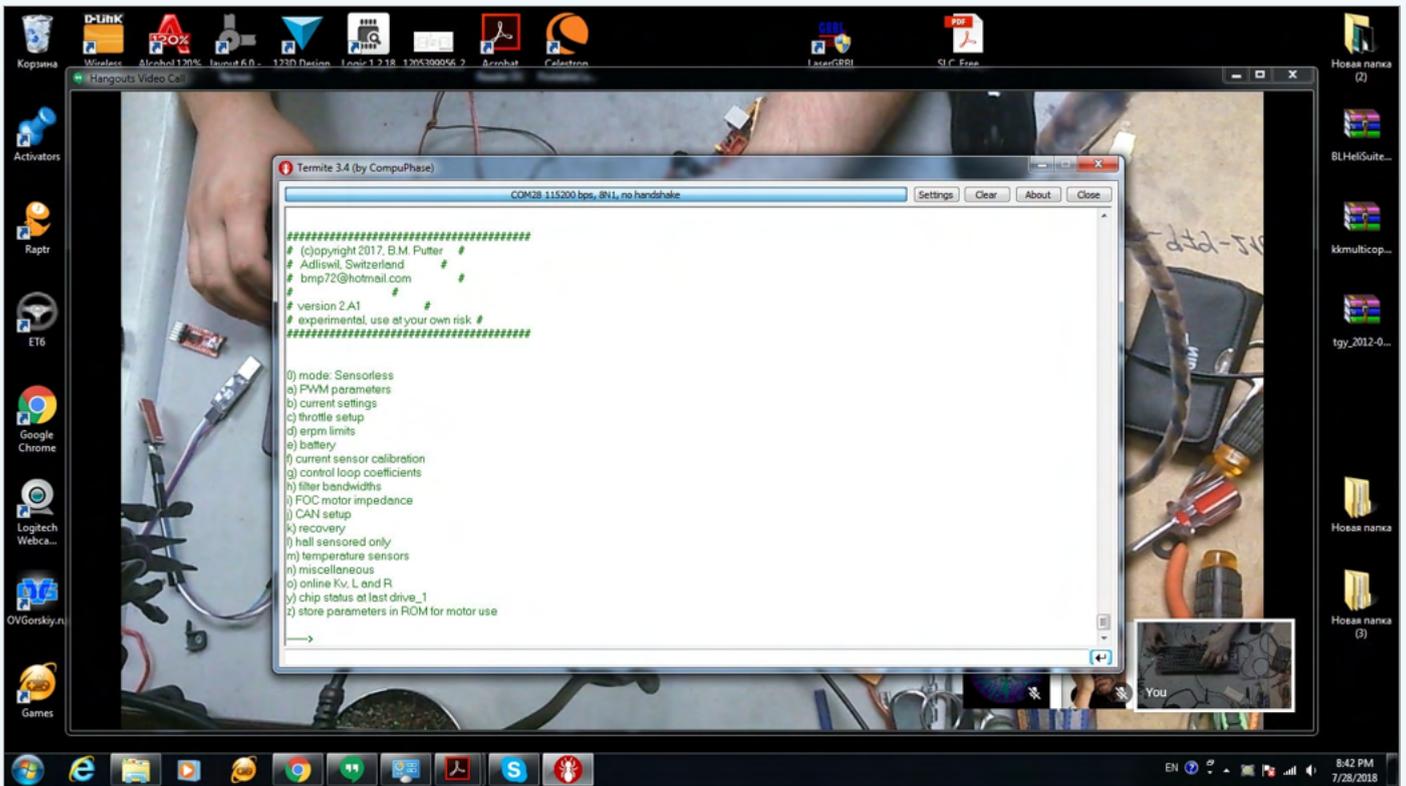
in our option We only need Lebowski(chip brain) ... and an expansion board ...

read the documentation how to manage the program [download/file.php?id=108834](#)

for windows 10 download Termite version 3.4 - complete setup

https://www.compuphase.com/software_termite.htm

If you follow the instructions in the PDF file you will have same as in the photo below



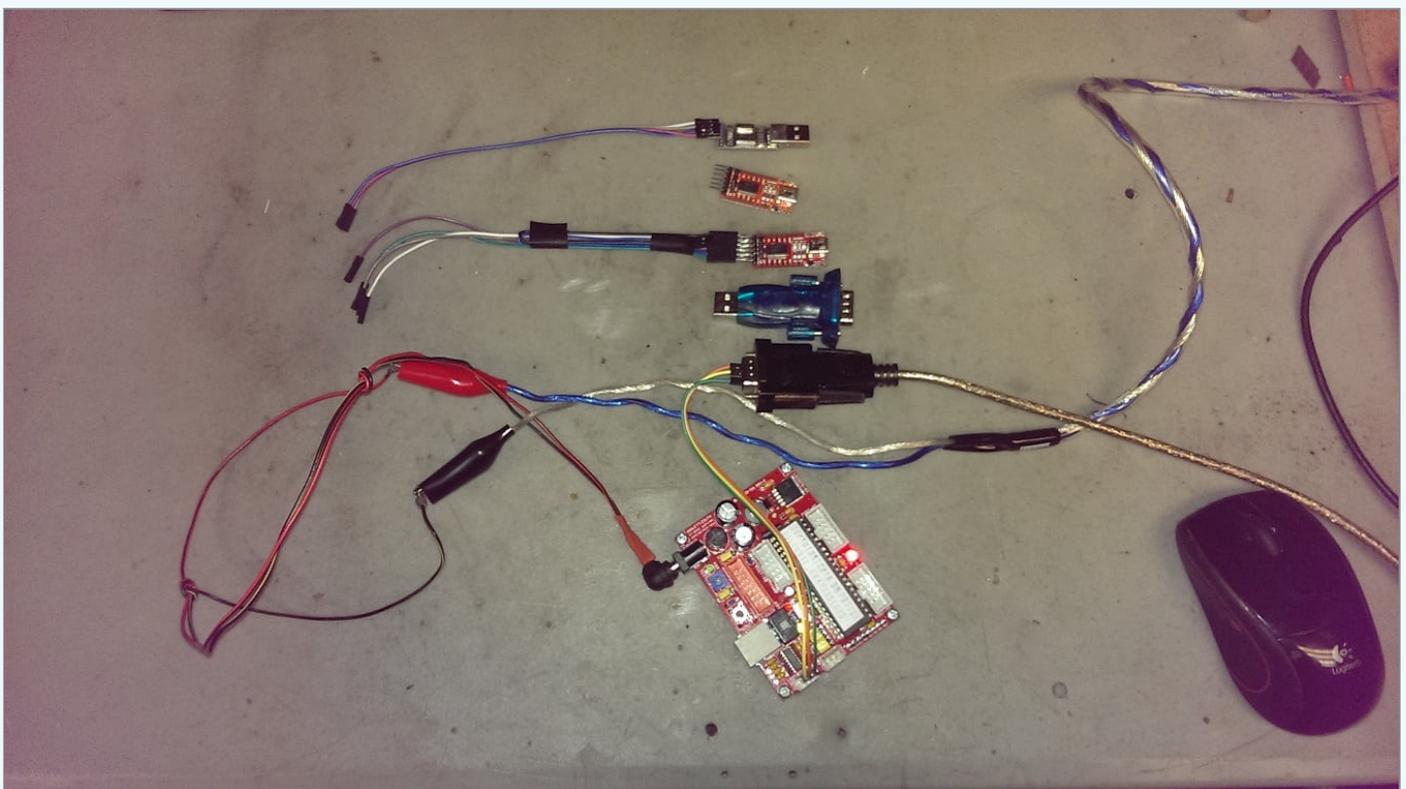
Новый точечный рисунок.jpg (182.47 KiB) Viewed 1845 times

🇧🇪 note 🇧🇪

I had a few problems

the first as I understood my laptop does not have ground wire ... I started using a desktop PC the noise was gone ...

there was also a problem with cheap RS232 Serial Port from 5 different worked only one



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