

Installing AMP-wiring in a New Beetle

Vehicle used: New Beetle 2.0i Type 9C (1999)

Used set of cables: Dietz 35mm² power cable, double shielded Dietz chinch cable („35mm² Professional Line“)

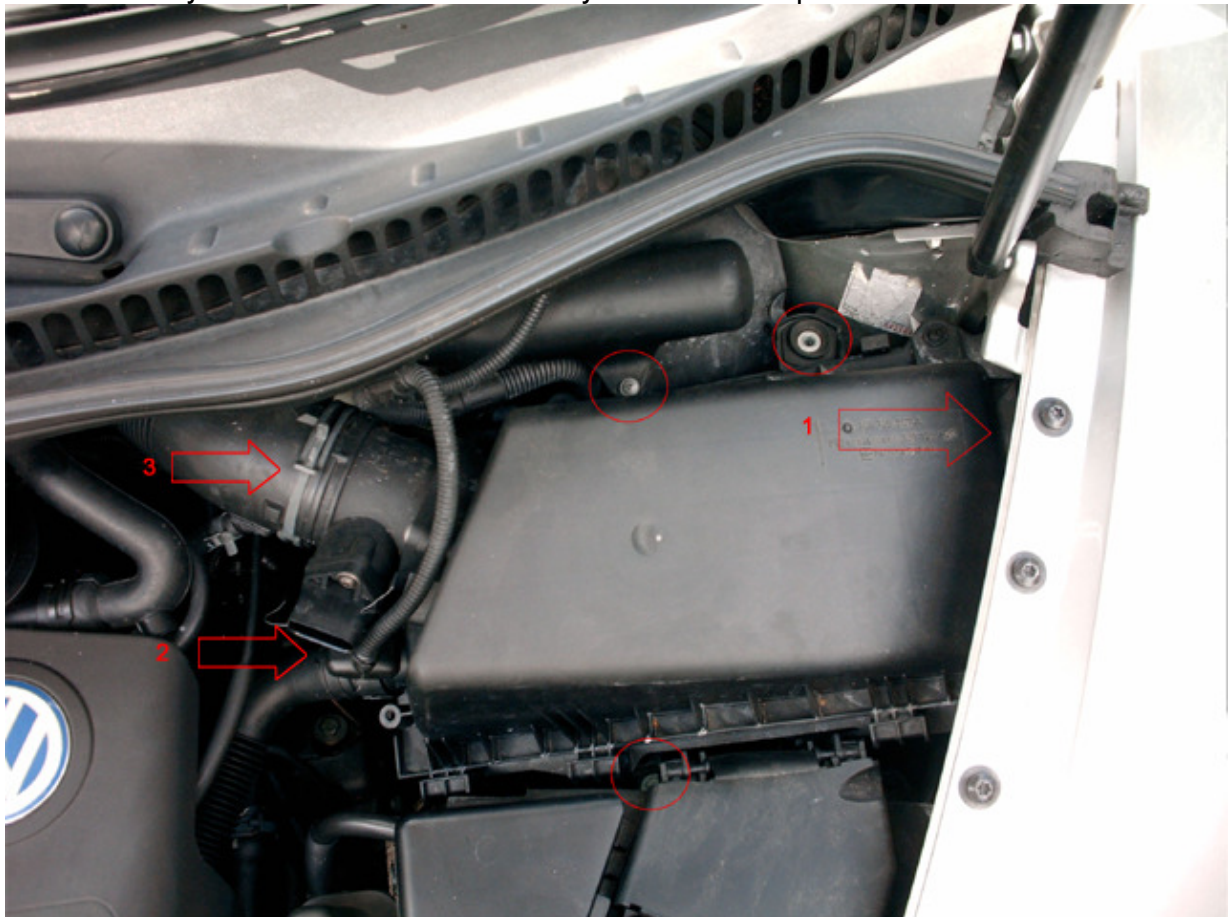
First of all: how to install the power cable. It's recommendable to install it on the driver's side of the car, as here's also the car's cable harness – on the other side – not. Would you install the chinch cable on the driver's side where all the conducting wires are it could lead to background noises. That's why you should install the chinch cable on the right side of the car and the power cable on the left.

Now to the actual installation: I've put it through the cable channel (there's really plenty of space) and afterwards through the door sill to the trunk.

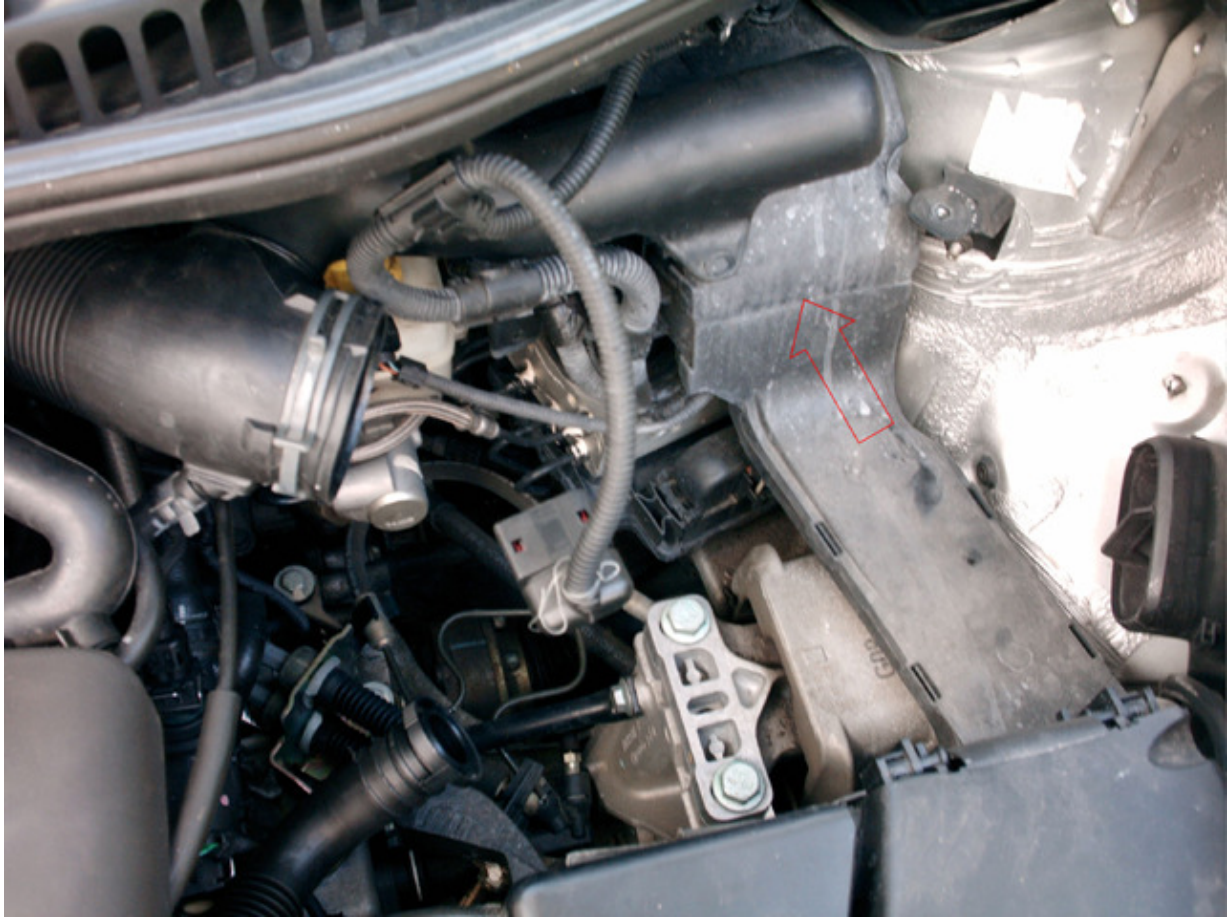
Here more detailed with pictures:

The power cable:

First you have to remove the air filter box to get to the cable channel. The air filter box is held by two screws and secured by an additional pin.



In the circles are the screws, at the arrow (1) is the pin. (2) Is the airflow meter – you got to pull it of. At (3) there's a ring you got to remove to be able to remove the tube from the box. When you remove the box, you can disassemble it (two screws at the upper circle) – that might help – it definitely does when you put it pack in! Now you can remove the air filter box carefully.



Now it should look like this. Where the air filter box used to be is a big hole now. Where the arrow is should be a cover which is only held by clips (like many things in a beetle).



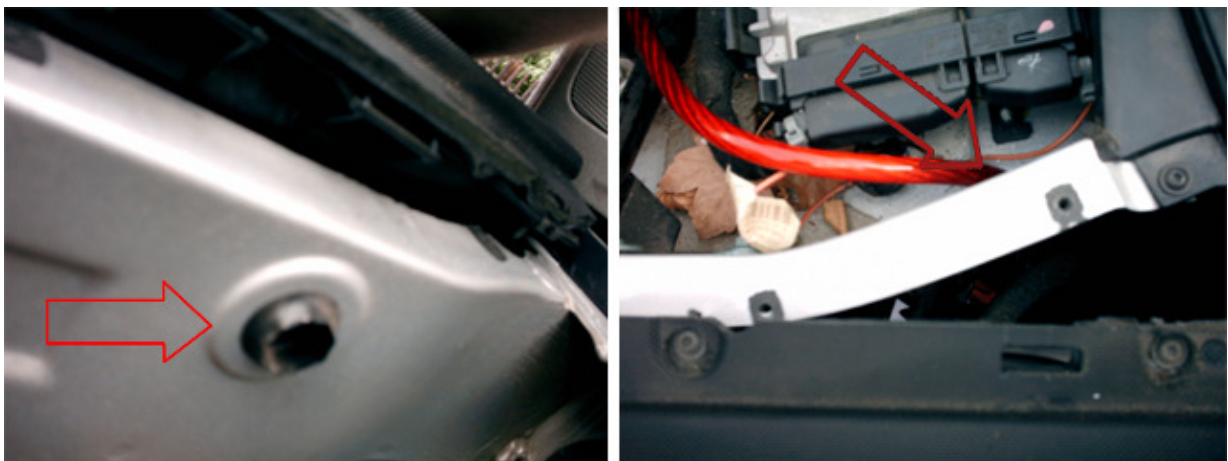
Just pull it of (super easy – no force needed at all!) and you see some thick harnesses going through some rubber blocks. Push the rubber things out from the inside – I took a big flat screwdriver. You can get almost any power cable through this channel you just have to fit the rubber blocks (from $\sim 25\text{mm}^2$ upwards). I took a sharp knife and just cut a piece (about $7 \times 7\text{mm}$ right at the edge). The 35mm^2 cable I installed fitted perfect. Just push it in and start pulling from the inside.



Now you have to start disassembling your dashboard ☺ Just push the centre part towards the windshield. Then you see this. Just remove the marked screw. Now you can remove the left part of the dashboard – it's only held by clips. From now on you will only meet these screws with star profile.

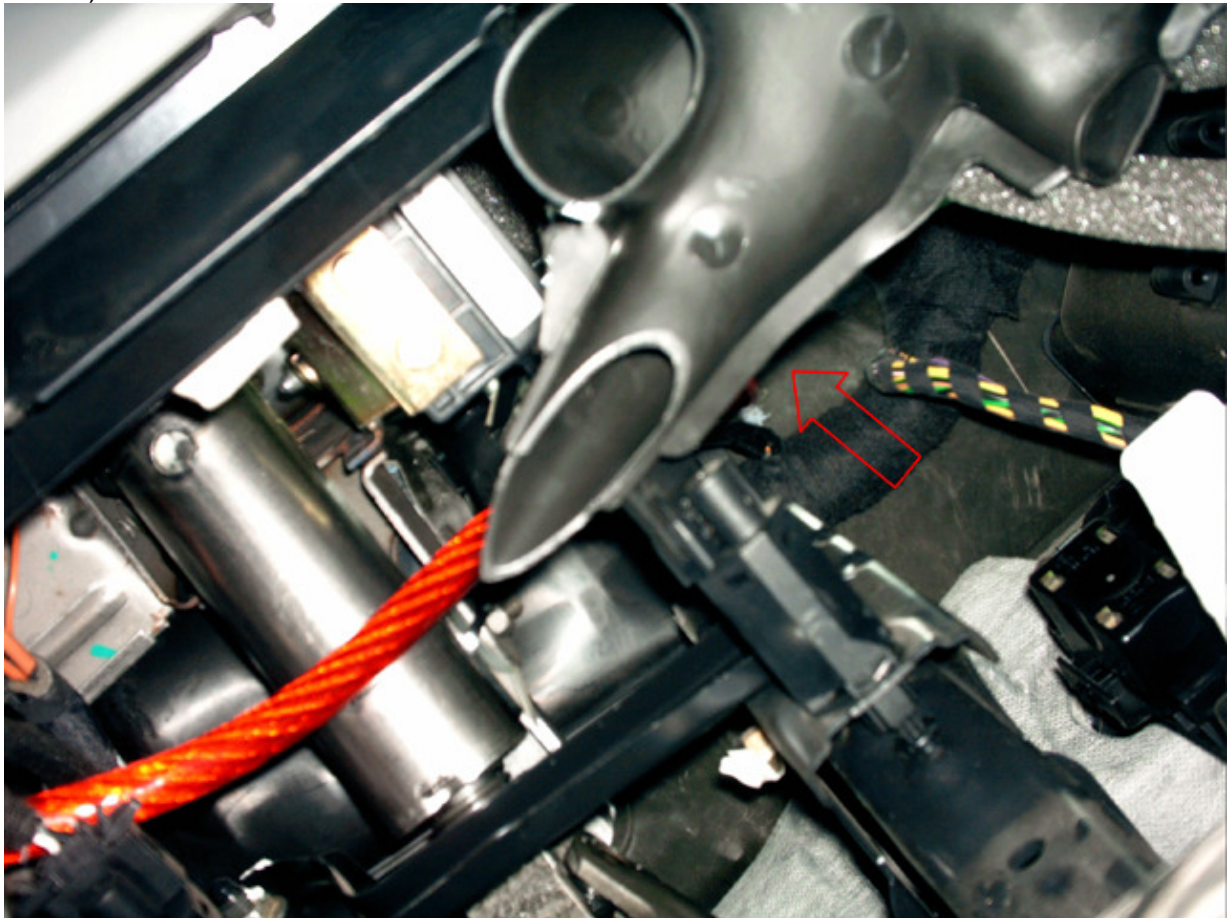


Now I missed taking a picture. You have to remove five more screws. Then you can remove a second cover. Nothing is held by clips here. Then you'll see this here. Your power cable will be there where the arrow is. Just pull – but don't pull too much – you'll still need a bit of the cable to get to the battery – otherwise it will be hanging around in the engine department and might block your transmission (definitely not good). You better also take a vacuum cleaner and remove the perished rainforest in there. I really don't know where these leaves come from^^



Now there are two possibilities to get the power cable downwards. Once there is this blind plug (left picture). That didn't work for me and my 35mm² cable. So I chose plan B. Drilling. Take a drill machine and a drill that fits your cable (right picture). Now you can let the cable fall down. You can reach it easily – just remove the cover (held

by three or four screws). You'll find the cable next to the throttle (arrow in the picture below).



Now just take the cable and pull it above the bars towards the door. You don't need to fear the cable falling on the pedals – there's still the other cover which comes back on there.



Now let the cable fall behind the cover behind the opener for the hood. You can pull it through from the driver's door when you slightly remove the cover.



Now just remove the door sill cover (again it's only held by clips) and put the cable between the seal and the foam. Works fine.



Again I missed taking some pictures. I completely removed the rear seats (also easy and done in no matter of time) and turned down the back rests. Now take the door panel where it ends towards the trunk and pull it out (towards the top of the door). Don't worry – it sounds bad but nothing breaks. Now just putt he cable in the corner and let it come out where it does on the picture. Reassembling the door panel is tricky. I installed the clips first and then put he panel on the upper clips near the window – then the rest. The cable can be put over the (momentarily not available) seats and next to the black bracket through into the trunk. The cable won't be squeezed here. Now just put the door sill cover and you are done 😊 plus cable installed!

The minus cable can be screwed to the car body. Just search a screw in the trunk and remove the paint around it a little (for a good contact).

Now the chinch cable:



Now just remove the cover at the glove box (also just held by clips). You will find two screws there – remove them, the other two in the glove box and the ones under the glove box. Now remove the screw in the middle above the ashtray under the small cover and one under the switches. Take off the pod with the switches for the seat heating, ESP and the emergency flasher (two screws on the bottom one under each cover next to the seat heating logo and the last screw (right) for the glove box). Now take out the glove box and put it somewhere safe. Now you got enough space to install the chinch cable at the bottom where the glove box used to be (there are already some other cables). One end of the chinch cable is installed the same way as you installed the power cable under the cover of the door sill (not yet!). The other end has to be plugged into your radio. Now it depends on the radio. You have to know how it fits best with your radio. If you don't have any short chinch cables coming out of your radio as pre-amp-outs (instead you might have just chinch plugs at the rear of your radio integrated) you might want to remove the radio first and let the chinch cable fall down through the radio slot. Now you can take this end (which is not plugged in the radio) and put it under the cover of the door sill and back in the trunk. Now reassemble your beetle (glove box, pod for the switches, dashboard and air filter box). Is everything done and all cables plugged into place – add an amp and subwoofer and have fun. I hope this helps you installing the cables. It took me about 4 hours – you should expect taking that long. Now have fun working 😊

Picknicker (Registered at beetlefun.de beetle-forum.de and newbeetle.org)
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