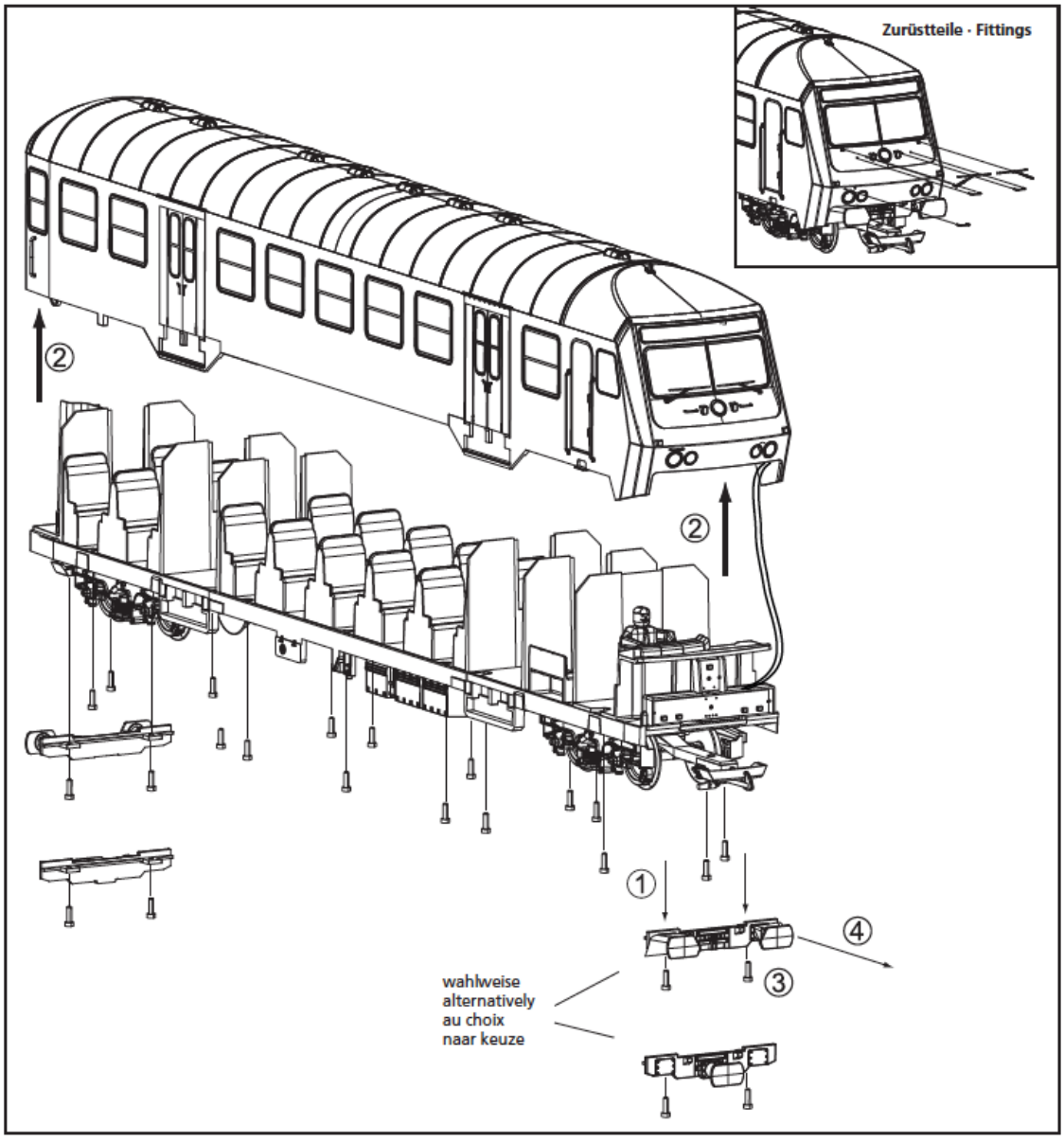
# Installation function decoder #56126 for G-scale control car #37635

**Important information:**
**Please read the instruction for the decoder #56126 before the installation and please pay attention to the notes in the instruction of the control car #37635!**

**Note:**
**The function decoder is “only“ equipped with 4 function outputs (A1-A4) that can be used without the need of further components.**
**The outputs A5-A8 are unamplified processor outputs.**
**A separate control of the train direction indicator and the interior lighting is not possible with this type of decoder.**

## 1. Step

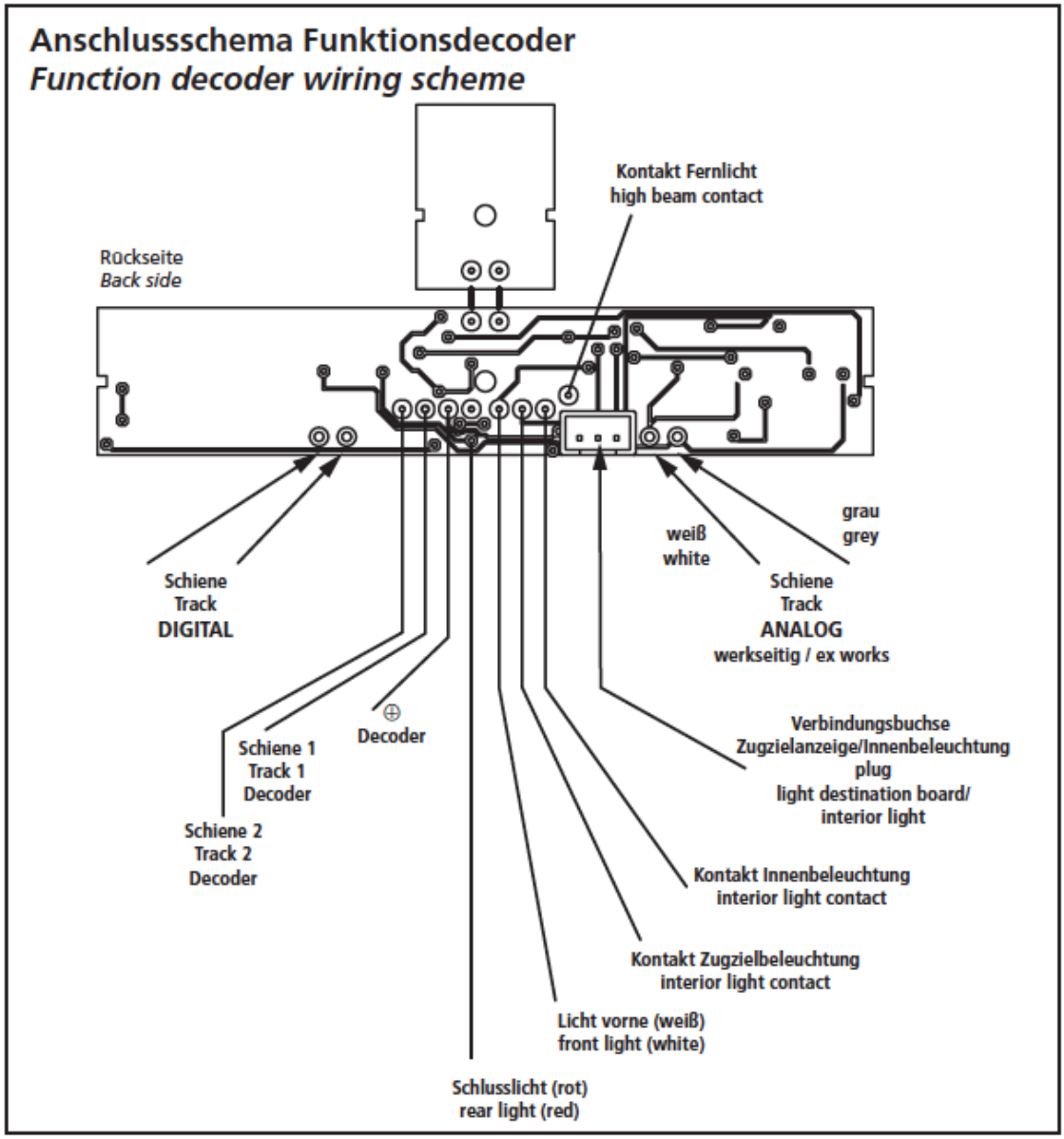
**Please carefully disassembly the car as described in the manual.**

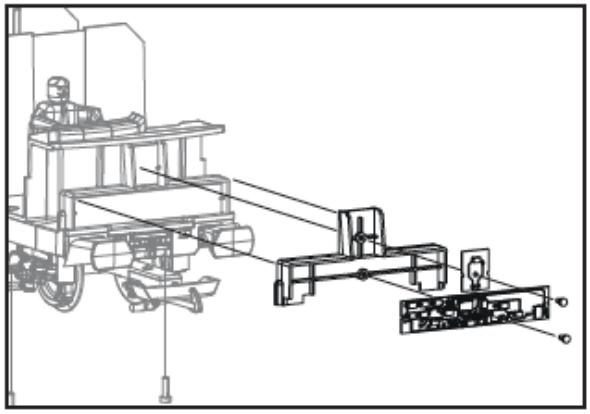


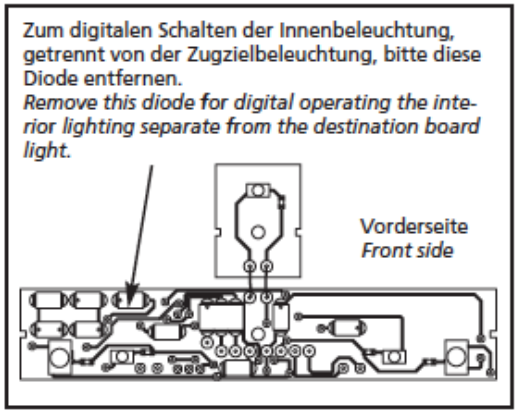
## 2.Step

**Please disassembly the circuit board of the lighting to ensure an easy access for the upcoming soldering operations.**

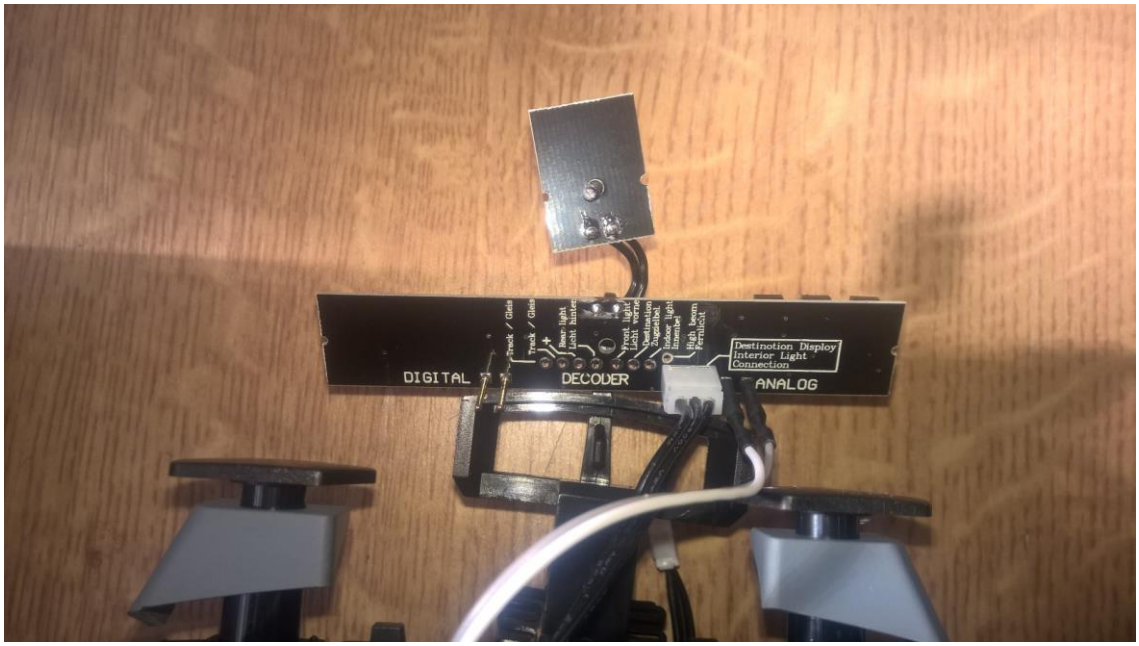
**See instruction**



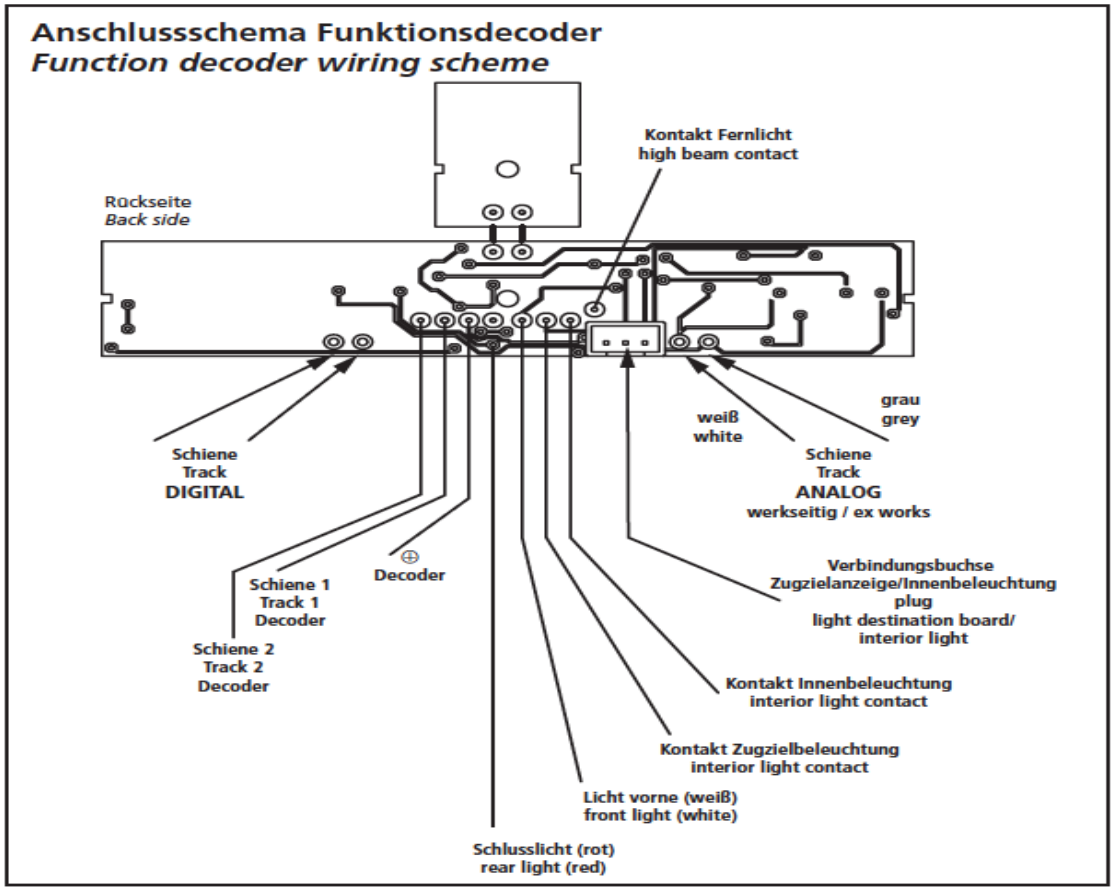


**Pictures for help:**

**3.Step**

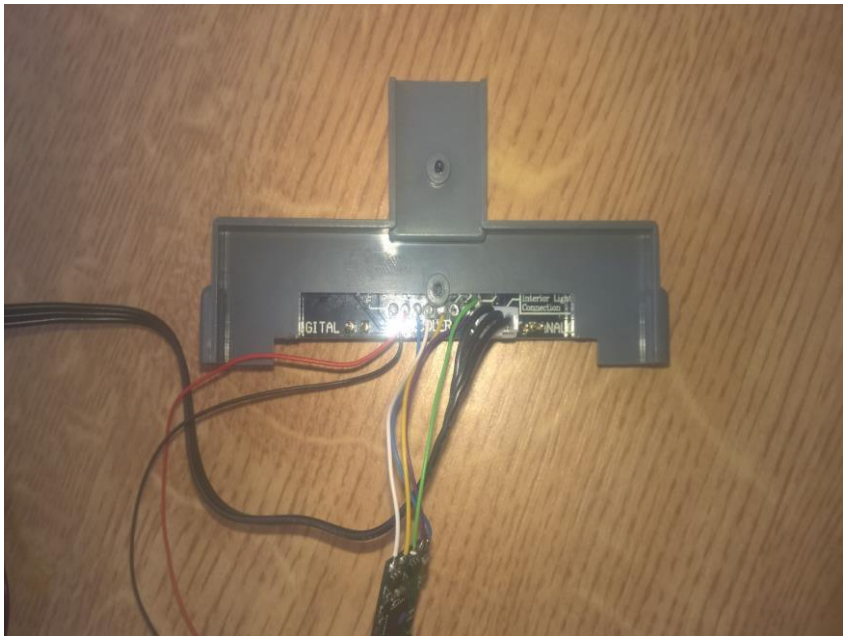
**Now, please connect the function decoder to the provided soldering points as described in the manual.**




**Pictures for help**

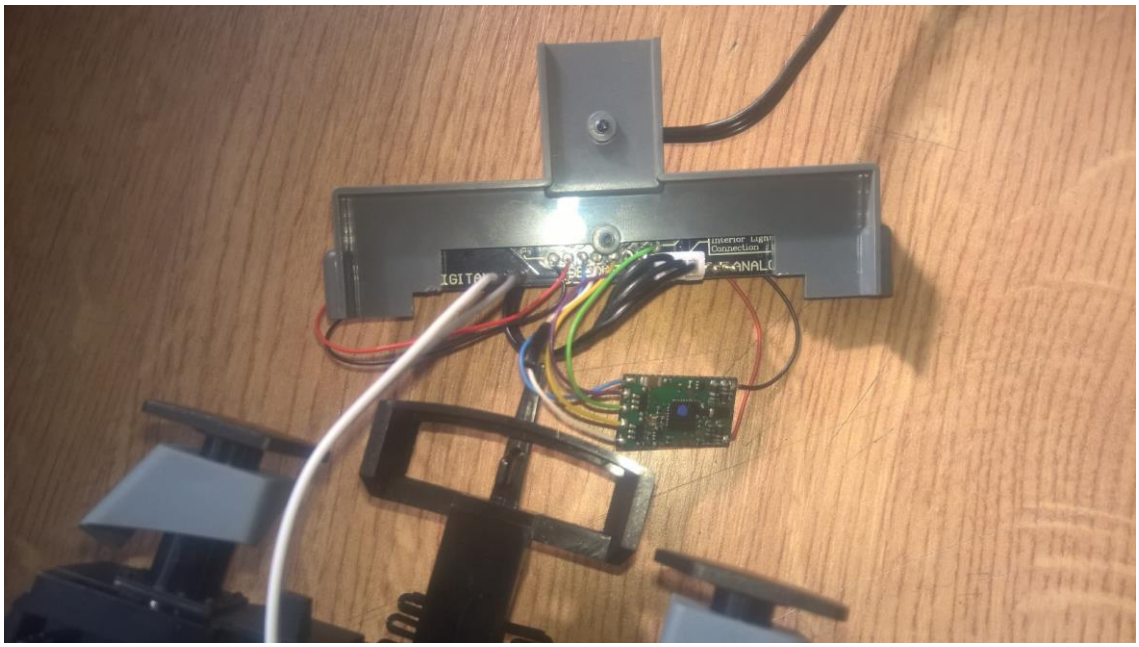

| **Decoder** | **Vehicle** | **Colour (Example)** |
|---|---|---|
| *Track right* | *Track 1* | *red* |
| *Track left* | *Track 2* | *black* |
| *20 V* | *Decoder +* | *blue* |
| *A1* | *Rear light* | *white* |
| *A2* | *Front light* | *yellow* |
| *A3* | *Contact full beam* | *green* |

*A4* *Contact interior light* *purple*



**4.Step**
**Please reassembly the cars.**

**Please note that the grey and white cables of the wheel sets have to be connected to the left pins now. (Digital)**



**If you have done everything correctly, you can start the fun-filled digital railway operation.**

**Notes about the function**

**Since the car #37635 is a control car, there usually is a locomotive at the other end of the train that is pulling or pushing the train.**

**That means that if the loco is pulling the train (backwards) the control car is moving backwards.**
**If the train is pushed by the loco, the control car is moving forward.**

**This fact is important, since the loco and the control car are usually controlled via the double heading control of the digital central station.**

**Here are some examples of this function:**

**The decoder is set to factory settings (address 3).**

**When all functions are turned off, there are no working functions at the control car.**

**If F0 is turned on and the controller is set to “backwards” the head lights of the control care are flashing.**


**If F0 is turned on and the controller is set to “forward”, the rear lights of the control care are flashing.**


**When F3 is turned on, the full beam of the control car is turned on.**

**(Tip – When CV52 is set to 6, the full beam automatically stops when the train changes direction)**


**When F4 is turned on, the driving direction indicator of the control car is flashing.**
**(if the control car is equipped with interior lighting #36139, it will also flash)**