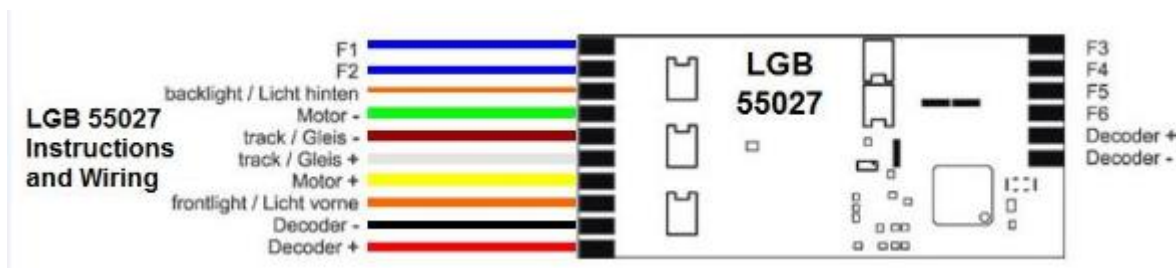
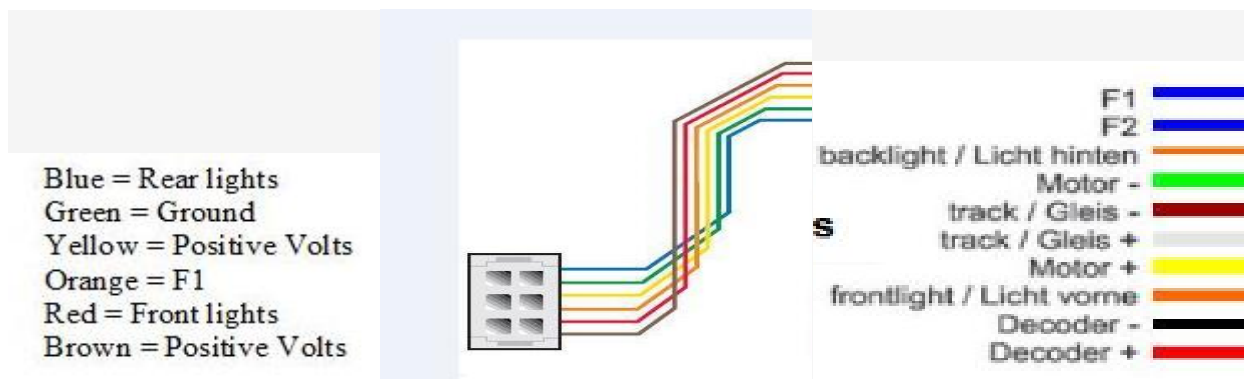


Installation of 55027 Decoder to Early LGB F7 with Decoder Interface (2)

- 1) Engraved "D" on bottom side of gear is marking a 4-pin-gear.
Here are all 4 contacts for digitalization existent. Without "D" you have to rebuild.
- 2) Old Interface for 6 pol. interface cable.
The decoder will be connect with the 4 gear cables and the 6 pol. cable.
- 3) Direct decoder interface for LGB-55021 (or eMotion L)
The decoder will be connect with his pins headfirst in the PCB.
- 4) OnBoard-Decoder for analogue and digital.
This loco can be driven without any changes analogue and digital.
- 5) New 10-pol. DCC-Interface.
With the new 10-pol. interface cable you can connect a decoder very easily.



1. Cut the LGB DCC Interface female connector from the end of the LGB 55027 wiring harness.
2. Strip the ends of the wires for Track +, Track -, Motor +, Motor -, Front Headlights, Rear Headlights, Decoder + (a.k.a. V+), Decoder - (a.k.a. Ground), and F1
3. Solder / splice pairs of Green/Yellow/Brown/White wires to each of the appropriate output wires from the decoder. Green and Yellow are Motor leads. Brown and White are Track leads. Placed heat shrink tubing of each of the four solder splices.
4. Solder LGB female metal pin connectors to the unconnected ends of each of the GreenX2, YellowX2, BrownX2, and WhiteX2 wires (8 off Total).
5. Connect the (eight) Green, Yellow, Brown, and White wires to the F7A unit Decoder Interface Board. Find the array of 8 male pins, arranged in 2x4 orientation. Plug the wires from the 55027 decoder into each column of four pins labelled, ws=white, gn=green, ge=yellow, br=brown. (Plug the female metal pin connector to the corresponding male pins.)
6. Cut the LGB female metal pin connectors from the end of the LGB 55026 Decoder Interface Cable.
7. Solder / splice the decoder's Front Headlight, Rear Headlight, Decoder +, Decoder - (Ground), and F1 wires to the appropriate 55026 wire. (Wire colours do not match and Decoder + is connected twice.) Cover the joints with heat shrink tubing.



55026 wiring to 55027 wiring.

Blue to Orange(backlight) Green to Black Yellow to Red Orange to Blue(F1) Red to Orange Brown also to Red

8. Set DIP switches to OFF
9. Plug the 2x3 connector on the end of the LGB 55026 Decoder Interface Cable into the A unit's Decoder Interface Board.
10. When mounting the Decoder, ensure it is fully insulated and cannot come into contact with anything conductive.
11. F7 B Unit – Set number 1 DIP switch to OFF for MTS (Serial operation – 14 steps).

