

LGB 2x841 Saxonian IV/k

Retrofit of a "Saxonian IV/K" with D-Gear (4-Pin) and DCC-Interface with an eMotion XLS Sounddecoder. (Picture1)

The locomotive has a standard of 3 headlamps front and rear, an interior light and a smoke generator.

In addition, four 24-volt lamps were installed for an engine light.

The connection are made via the existing 10-pin DCC interface.

The rebuilding effort is very low.

This is a modification of a proposal H.Hauschild.

[Here](#) is the connection diagram to the old decoder interface.



Pict. 1: LGB Saxonian IV/k

Needed Parts:

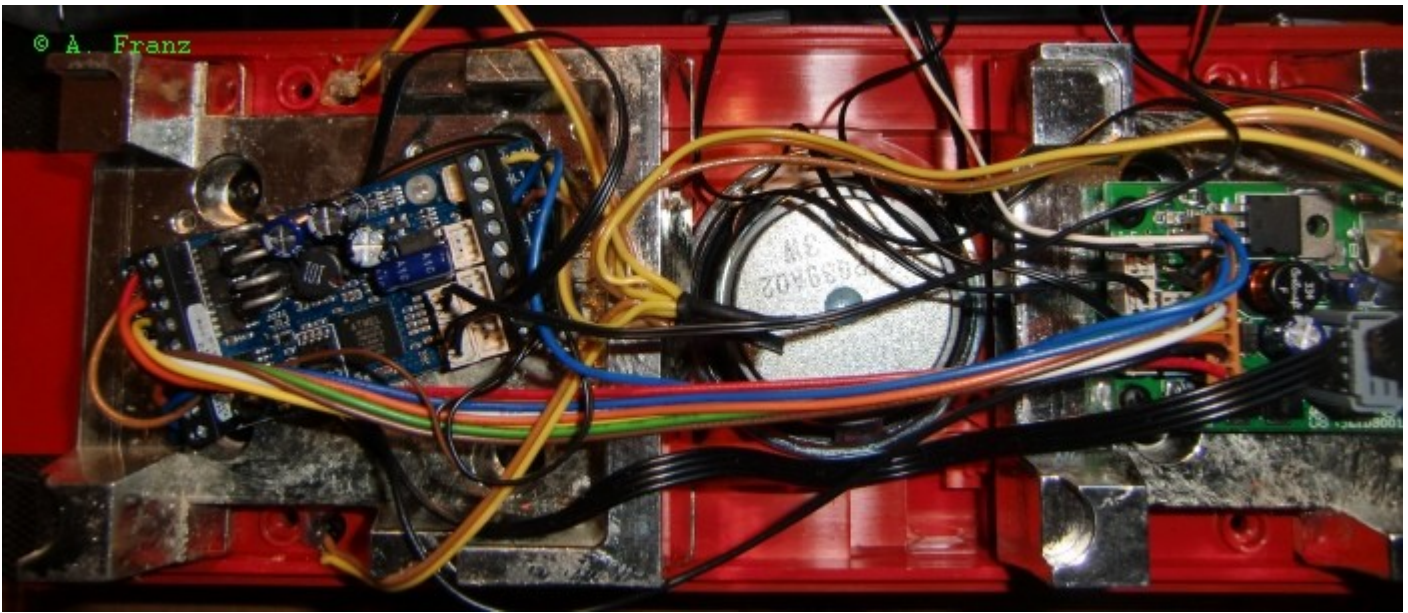
1x 8210084 XLS-Sounddecoder Saxonian IV K

1x 8312062 Massoth Interface Cable

4x Sockets with 24 volt bulb and cord

Retrofit:

- Dismantle loco (Total 6 screws in the vehicle floor must be removed).
- Install speaker at the designated place (Pict. 2).

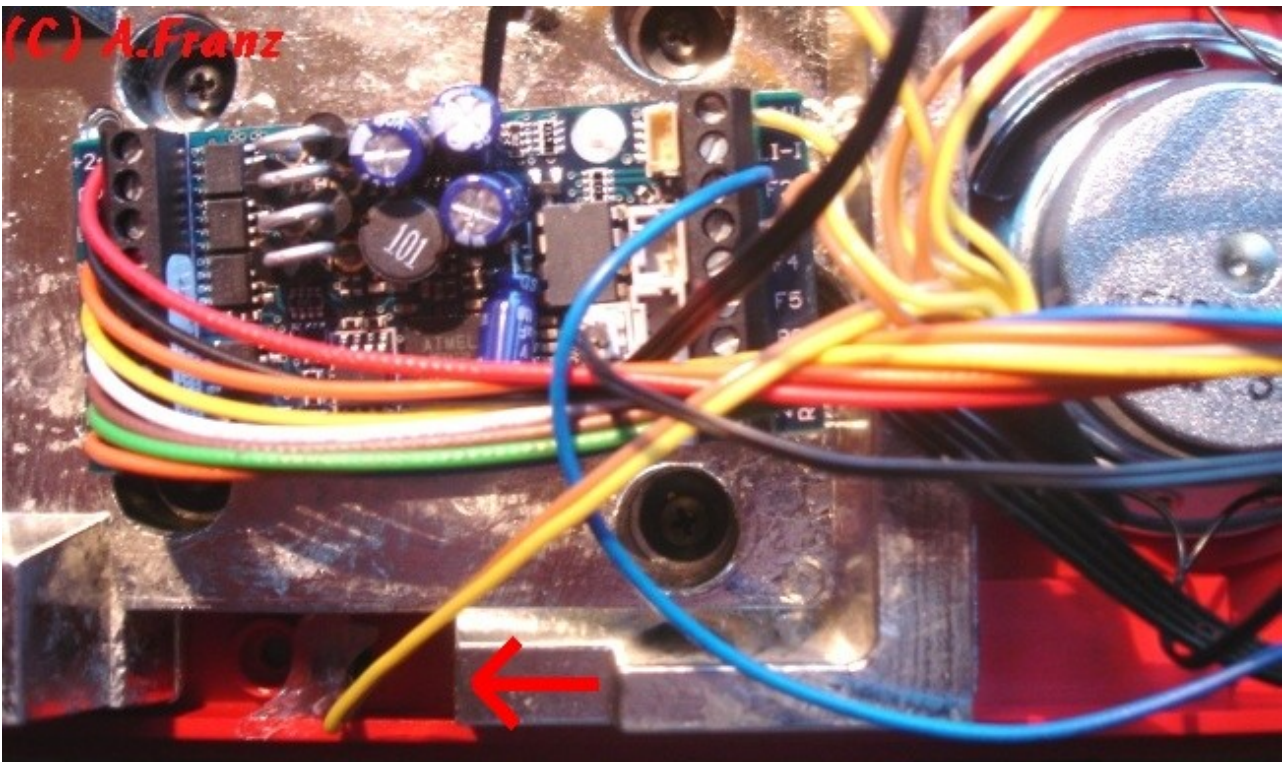


Pict. 2: Installation of decoder and speaker

- Screw the DCC-Interface cable like described in the manual to the decoder plug it to the DCC-Interface (Pict. 3).
- Before final assembly of the loco you should now test it.

(Factory setting : Steam On/Off = F7)

- Loco completely reassemble in reverse order.



Pict. 3: Connection of decoder and Anschluss des Dekoders und engine light

Enhanced retrofit:

Who wants to equip its IV / K with a locomotive engine lights must still above the two bogies, drill 4 small holes in the frame of the locomotive.

Here then the sockets are glued with hot glue.

Connection is made via output F3 on the XLS.

To place the two lamps for the rear engine, you need the boiler back panel (2 screws) to be dismantled.

Only then a placement in the center of the rear engine is possible.

To get a exemplary lighting, match output can be dimmed.

CV Programming:

- Since the lamps are supplied 5V via the interface is a control of the lighting is not necessary.

(Who the lighting is too bright, however, can dim CV 50 (Value 15 – 20.)

- CV 112 = 84 (Engine light at F3 dima to 60%)
- CV 113 = 2 (Engine light at F3 switch with button 2)
- CV 132 = 0 (Since F2 switches the engine light and the brake squeals automatically, the brake button will be deactivate)