

Working instructions for generator relais conversion kit

Edition: B from 12.4.2006

Concerning: all FK9, FK12, FK14 equipped with GR3 or GR5

necessary material: conversion kit, tin solder

necessary tools: soldering iron, stripping pliers, hand crimping pliers, heatgun

Important: Before starting to work disconnect all wires from +pole of the battery!

a) Dashboard main switch panel:

- check if generator fuse holder is damaged, replace if necessary
- replace old generator fuse with new 0,2A-fuse
- unsolder yellow 2,5qmm wire from generator fuse holder and mainswitch (keyswitch) and remove.
- cut the solid wire link between the fuse holders at the the generator fuse holder, bend both ends straight and solder them to the nearest contact of the generator fuse holder. White 0,5qmm and red 0,5qmm wires remain at the other contact or have to be soldered there if necessary.
Cover soldered connections with heat shrink sleeves.

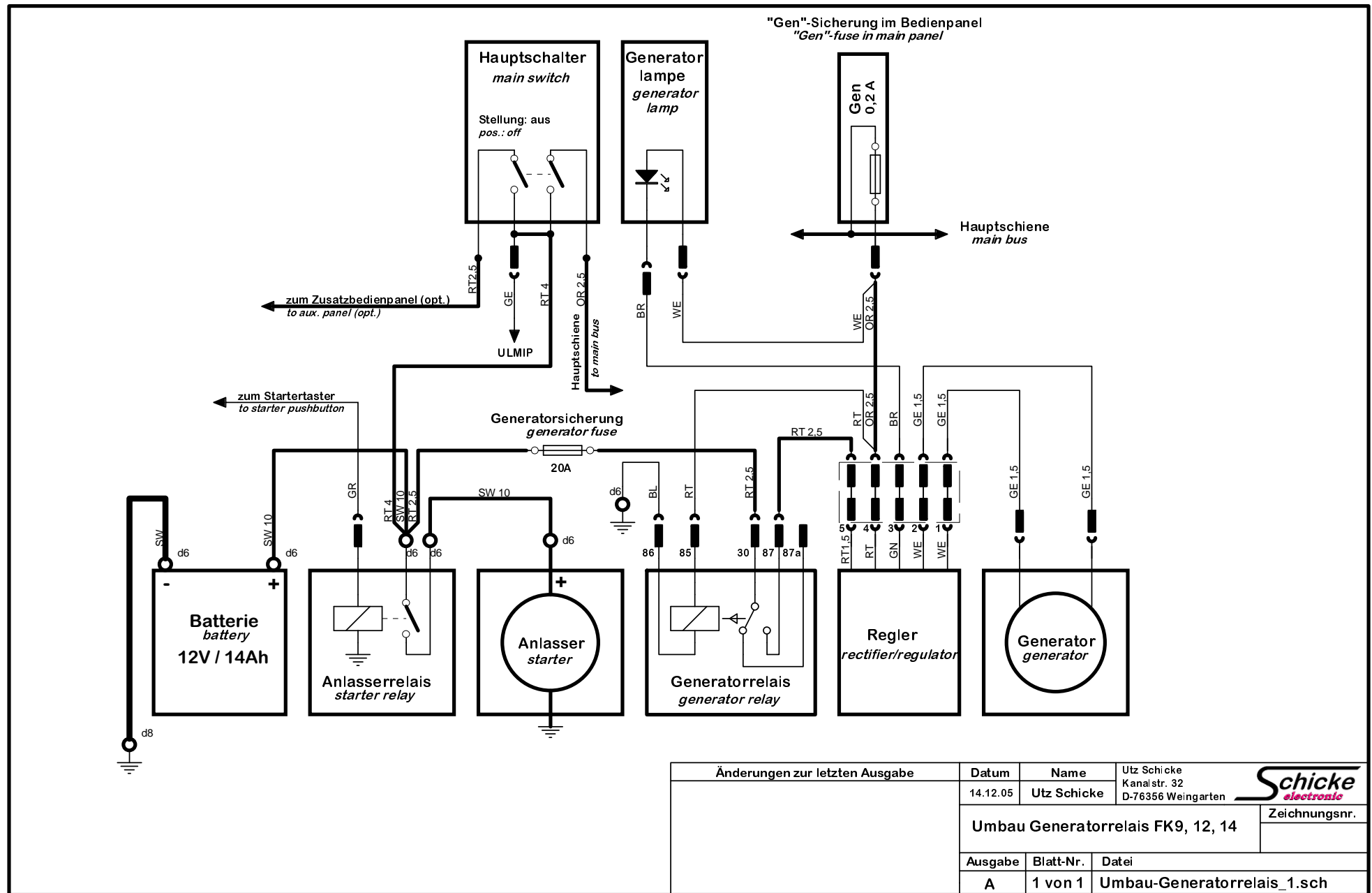
b) Engine compartment:


- Cut off and remove both connectors at the regulator (regulator and wiring harness sides).
- Crimp female tab terminals 6,3mm to the wires of the regulator an cover with heat shrink sleeves.
- Connect regulator contacts to the tab terminal strip in following order: white, white, green, red (thin), red (thick).
- Mount the generator relais to the firewall, most likely using one of the screws of the starter relais. If this is not possible drill a hole \varnothing 5,2 mm and attach the generator relais with a separate M5 screw. Do also fix the lug of the thin blue wire with that screw making sure that it has a good ground contact.
- Route both red wires from the relais to the regulator.
- Cut the thin red wire to length and crimp it together with the original red wire 2,5qmm (coming from the main switch panel) into one tab terminal, cover the terminal with heat shrink sleeve and connect it to the tab terminal strip in such way that it is connected to the thin red wire coming from the regulator.
- Crimp each of the yellow wires (generator) and the brown wire (generator control lamp) to a female tab terminal, cover it with a heat shrink sleeve and connect it in such way to the tab terminal strip that the yellow wires are connected to the white ones from the regulator and the brown wire with the green one from the regulator.
- Connect the thick red wire (coming from the relais) to the remaining contact of the tab terminal strip so that it is connected to the thick red wire from the regulator.
- Reconnect the wired fuse holder together with all other wires to the +contact of the battery.

c) Functional test:

- Mainswitch (keyswitch) on. Generator relais must click.
- Start engine and check if charging control lamp indicates correctly and battery is charging.

For further information contact Schicke electronic, tel. +49(0)7244/706445



Änderungen zur letzten Ausgabe	Datum	Name	Utz Schicke Kanalstr. 32 D-76356 Weingarten	
	14.12.05	Utz Schicke		
Umbau Generatorrelais FK9, 12, 14				
Ausgabe	Blatt-Nr.	Datei		
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