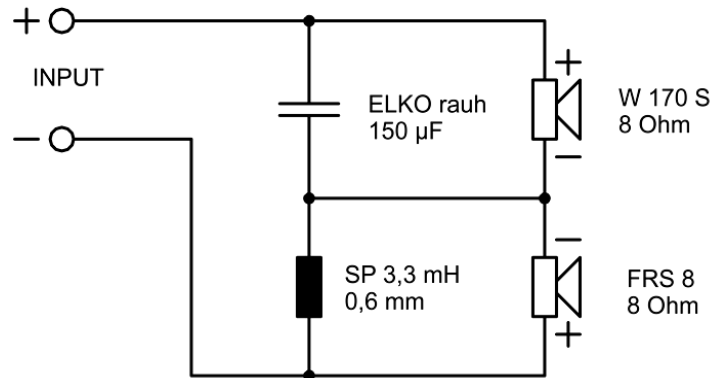


Instructions for connection STELLA LIGHT

Note: supplied parts may differ.

STELLA LIGHT - Stand 28.05.2009



The following tools are needed to connect up the wires and assemble the crossover:

- Soldering iron, 30–50 watts
- Solder for electronic components
- Side-cutters
- Hot glue or comparable
- Tape measure

First, cut the wires to the correct length according to the table below.

	Crossover
FRS 8 (Fullrange)	150 cm
W 170 S (Woofer)	150 cm

Next, strip 10 mm of the insulation from all ends, twist the strands together and tin the ends. To avoid wiring mistakes it makes sense to mark the cables (e.g. mark with „FRS 8 +“ etc.).

Since the crossover consists of only two components and since the kit "Stella Light" was to be reasonably priced, the intention was not to use a board. In order to guarantee an optimum and very easy service, it is recommended to stick the frequency point components directly onto the connection terminal "ST 77" with hot glue. The coil "SP 3.3 mH" can be stuck directly onto the back of the terminal and can be soldered to the negative pole of the terminal. To avoid the loosening of the components of the terminal, the product sticker of the terminal should be removed before. Now the capacitor „ELKO 150 µF“ can be glued directly to the coil and be soldered with one end to the positive pole of the terminal. For the gluing of both components the positioning of the components at the back of the terminal is important. The parts must not look over the edge of the terminal. Otherwise an easy positioning of the terminal in the speaker cabinet is no longer possible.

Now the open ends of the coil and the capacitor have to be soldered together. Due to the longer pins of the capacitor this is possible without using any additional cable.

Now the cables are soldered according to the crossover chart (see above). The positive pole of the „FRS 8“ can be soldered directly to the negative pole of the terminal, the positive pole of „W 170 S“ can be soldered directly to the positive pole of the terminal. The cable ends of both loudspeakers which are still open now are soldered to the connection between coil and capacitor. Please pay attention that no short circuit occurs to a neighbouring cable. Moreover, it is important to solder the marked and the unmarked wires of the cables according to the marks in the connection plan. Finally, please check again the completed construction of the points, comparing them with the connection plan. For additional safety open wires can be fixed with hot glue.

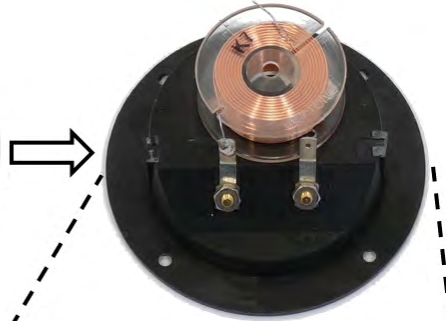
Then the cables are stuck into the loudspeaker case so that enough cable length is reaching out of the openings for comfortable handling.

When connecting the wires to the speaker, it is essential to make sure that the polarity is correct.

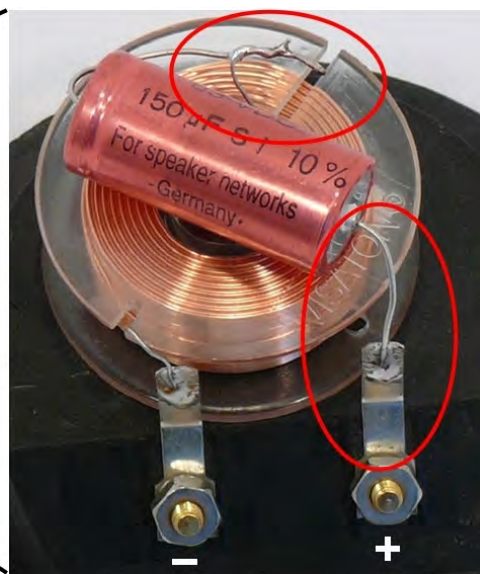
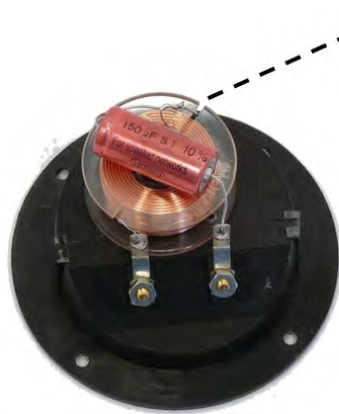
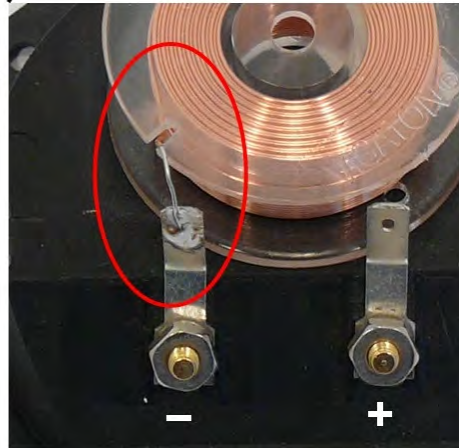
Stand 14.09.09



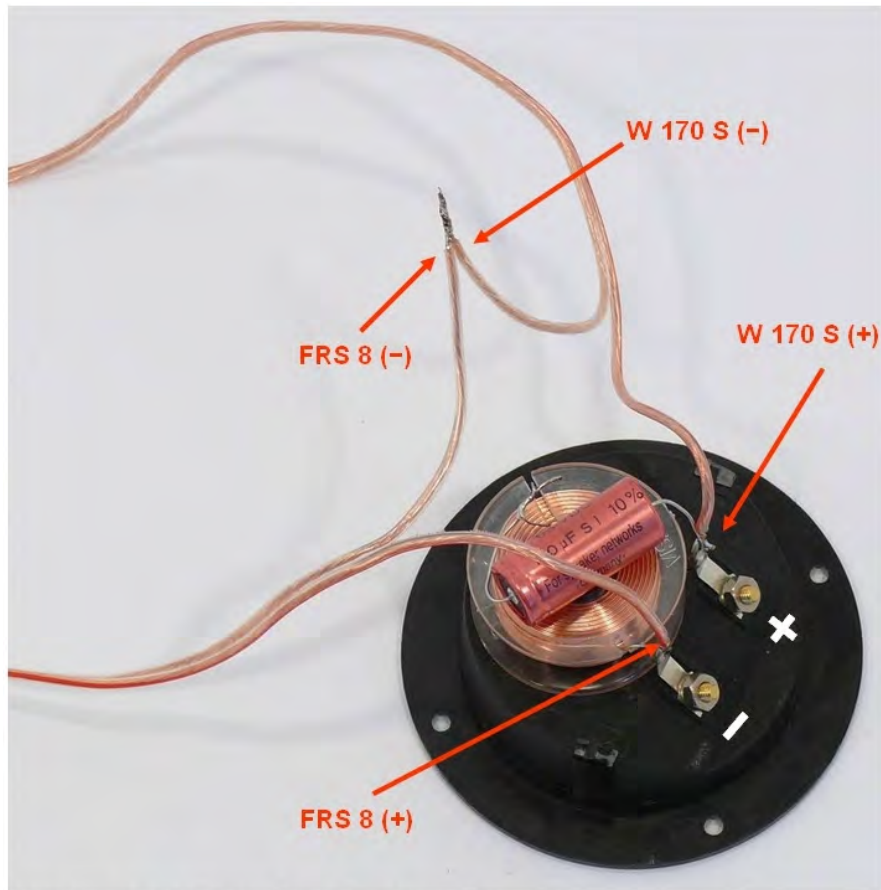
↓ Aufkleber entfernen /
remove label



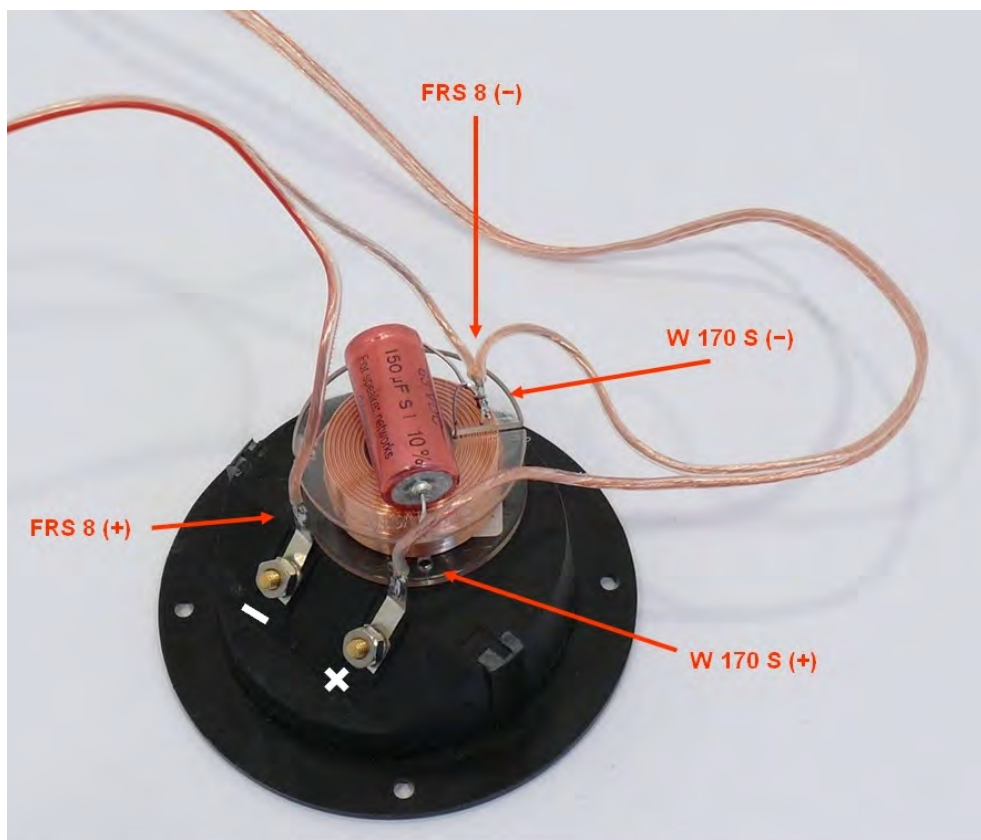
Spule aufkleben und mit
Minuspol am Terminal verlöten /
glue coil on terminal and solder it
with Minus pole



Kondensator aufkleben
und mit Pluspol am Terminal,
sowie mit dem offenen Ende der Spule verlöten /
glue capacitor on coil and solder it with Plus pole and coils open end



Anlöten der Kabel / soldering of the cables



Anlöten der offenen Enden an die Verbindung „Spule – Kondensator“ / soldering of the open cable ends on connection between coil and capacitor