

### **Installation of diode isolation blocks:**

**Important:** Be sure to use fuses between the wires to generator and batteries. Prevent connection between connector and heatsink! A short-circuit can result in a fire!!

This type of diode isolation block has a very low voltage drop which, in most cases, makes the use of a compensation diode unnecessary. The higher the load current, the lower the voltage drop.

**Important!** These diode isolation blocks can only be used in systems with negative earth. Always use wires of sufficient diameter.

- Mount the diode isolation block as close as possible to the generator / alternator.
- Detach the cable that leads to the generator / alternator.
- Connect the positive pole of battery 1 to terminal A1 on the diode isolation block, the positive pole of battery 2 to terminal A2, etc.
- Connect the generator / alternator to connection G of the diode isolation block via a wire.
- Reconnect the earthing cables to the batteries to complete the installation.

### **Connection of the compensation diode (if present)**

Make the connection as described previously, except for the reconnection of the earthing cables.

### **For Bosch generators/ alternators:**

- Remove the voltage regulator from the generator / alternator by taking out the 2 screws.
- Take a piece of wire (20cm X 1.5mm<sup>2</sup>) and solder it to the lug of the regulator which normally makes contact with a spring contact. Wind the wire round the lug, bend the lug and tighten it.  
**Important!** Make certain that the lug cannot make contact with the 'spring.'
- Re-attach the voltage regulator to the generator / alternator with the wire outside.
- Connect the other side of the wire to terminal C on the diode isolation blocks.
- Also connect the wire to the dashboard lights to terminal C.
- Reconnect the earthing cables to the batteries to complete the installation.

### **For Generators / alternators with external voltage regulator:**

- Cut the D+ wire of the regulator to a length of approx. 5cm from the regulator. Connect the wire at the regulator to the C terminal of the diode isolation block.
- Also connect the wire to the dashboard lights to terminal C.
- Isolate the open wire that comes from the generator / alternator.
- Reconnect the earthing cables to the batteries to complete the installation.

Type	Battery charger (Lader) max	Alternator (Generator) max.	Batteries (Accu's)
702 (C)	50A	70A	2
703 (C)	50A	70A	3
902 (C)	70A	90A	2
903 (C)	70A	90A	3
1202 (C)	80A	120A	2
1203 (C)	80A	120A	3
1602 (C)	110A	160A	2
1603 (C)	110A	160A	3