

Installation manual for the Stebel Magnum TM/2, Super horns Twin set

Warning.

- Before starting the installation, the battery needs to be disconnected. First disconnect the mass (-) connection and only then disconnect the plus (+) connection. This minimises the chance of a short circuit. Make sure that the cables will not accidentally rebound off the battery poles. A folded towel in between should suffice.

General instructions.

- Use a wire of at least 2.5 mm² to connect the horn.
- Use fitting, isolated faston plugs and clips. Clasp this onto the wire using the correct tools. The plugs should be fastened in such a way that they cannot be disconnected from the wire by hand.



Faston female



Faston male



Faston eye



Branch clamp

- Make sure that the wires cannot be damaged mechanically. Secure them with binding straps. Pay extra attention to places where they might come into contact with sharp elements of the frame.
- Always make use of the included relay. The horns together use 12 Ampere. A standard horn switch cannot process this power and will quickly burn out.
- Place the relay with contacts facing down where water and dirt can reach it as little as possible.
- In the installation manual, we work with coloured wires. Naturally, you can use all black wires, but that does mean you will have to be more careful.

Installing the horn.

- Remove the old horn.
- Place the new horn where water and dirt can reach it as little as possible. Place the horn slightly forward (approximately 5 degrees). Possible moisture can exit the horns (also see the guide on the packaging).

Electric connection.

- 1) Find a place to install the relay. The place of the old horn is probably fine, as long as the relay cannot be damaged by water and dirt.
- 2) Move or extend the 2 wires that went to the old horn and connect these to the connections 85 and 86 of the relay (order does not matter). In order to extend the wires, you make two pieces of wire with faston males on one side and faston females on the other.

Remark: If the old horn only has 1 connecting wire, it uses the frame as mass. In this case, the wire should be connected to connection 86 of the relay. Subsequently connect a short piece of wire to one side with a faston female and to the other side with a faston eye. Move the faston female to connection 85 of the relay. Screw the faston eye onto a spot on the frame (mass). The place of the old horn is a good spot. Use a knurled ring to secure a good electrical contact. Such a ring has probably turned up when removing the old horn.

- 3) Draw a (black) wire from one of the two new horns to a suitable mass point. This should preferably be the mass (-) connection of the battery. Clasp a faston eye on the battery side and a faston female on the other end of the wire.
- 4) Draw a (red) wire from the same horn in step 3 to connection 87 of the relay. Place faston females on the ends of the wire.

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- 5) Branch out the wire from step 3 with a junction block and draw this to the other horn. Clasp a faston female on the end.
- 6) Branch out the wire from step 4 with a junction block and draw this to the other horn. Clasp a faston female on the end.
- 7) Draw a (red) wire from connection 30 of the relay to a place near the plus (+) connection of the battery. Place a faston female on both ends.
- 8) Connect the wire to the fuse holder of the floating fuse to the battery side. You can stick the fuse holder to the side of the battery with double-sided tape.
- 9) Place a 25A fuse in the fuse holder.
- 10) Draw a (red) wire between the plus (+) side of the battery and the floating fuse. Make sure that this wire is as short as possible and is mechanically well protected. Clasp a faston female on the fuse side and a faston eye on the battery side.
- 11) Reconnect the battery, including the new wires. It is safest to first connect the plus (+) and then the mass (-) side. Put back the protective caps on the battery poles.
- 12) Now, the switch can be turned in the contact and the horn can be pressed. Both horns should now be working. If one or both horns are silent, switch both wires at the bottom of the horn(s).

Installation scheme.

