

**Installation of the  
Stebel Magnum TM80/2 Air horn (12V)  
Horn button wired negative (-)**

***Important – Check the type of contact!***

Before installation disconnect the battery. Unintended short circuits may cause cable fires.

Switch ignition on and using a voltmeter grounded against the motorcycle frame measure both contacts of the installed horn without pressing the horn button. If the voltmeter deflects on one contact, the horn button is grounded and the horn is under a permanent voltage of 12 V when the ignition is on.

However, if the voltmeter does not deflect, then one wire should be disconnected from the horn and both lines on the horn measured again with the horn button **pressed**, as described above. Now a line should show a voltage if the horn button is wired to positive 12V connection.

The following description describes the installation with a horn button that switches the **connection to negative (-)**.

**Mechanical installation:**

The air horn is to be installed at a place that is neither exposed directly to water spray or excessive vibration. We recommend that the installation always be performed with locking nuts or screw locking dopping.

**Designation of relay contact:**

Connecting tabs on the relay are standardized in the EU and always so identified. Connecting tabs 85 and 86 are the connections for the relay coil. When voltage is applied here the relay closes and switches. The connecting tabs 30 and 87 are the power switch and switch the relatively high current to the air horn when the relay coil is supplied with voltage. A direct connection of the air horn with the horn button would destroy the latter when actuated since the current accepted far exceeds the power capacity of the horn button.

**Electrical installation:**

- Connect the positive terminal of the battery with a wire of at least 1.5 qmm cross section to the connecting tab 30 of the relay. A temporary fuse of at least 20 A must be included in this line. Make sure that this line does not rub against any part of the frame and cause a short.
- The line from the horn button is connected to the connecting tab 86 of the relay.
- Connect the connecting tab 85 to the connecting tab 30 of the relay.
- Connect the connecting tab 87 of the relay to the positive (+) connection of the air horn.
- Ground the negative (-) connection of the air horn to the motorcycle frame.

GOOD LUCK! !

Diagram for grounding the horn button – Horn button wired negative (-)

