

INSTALLATION INSTRUCTIONS FOR AUTOLINE SAND SPREADERS

MODELS: C50 - Y60 - V70 - S90

It is assumed that the model of sand spreader chosen is the most appropriate one for the vehicle on which it is going to be installed.

Three models of Autoline sand spreaders are available: S90-C50-V70-Y60

See enclosed page of TECHNICAL SPECIFICATIONS and the enclosed brochure.

The V70 and Y60 model has a right-hand side container and a left-hand side container. The containers for the S90 and C50 models are the same for both sides.

All of the models utilise the same standard mounting brackets, which can be installed in several different ways.

The distance the containers are mounted from the wheels will vary from vehicle to vehicle. In each case one must assess how much distance needs to be allowed for chains and any other equipment.

AUTOLINE

Autoline AS - Voktor, N-9475 Borkenes, Norway

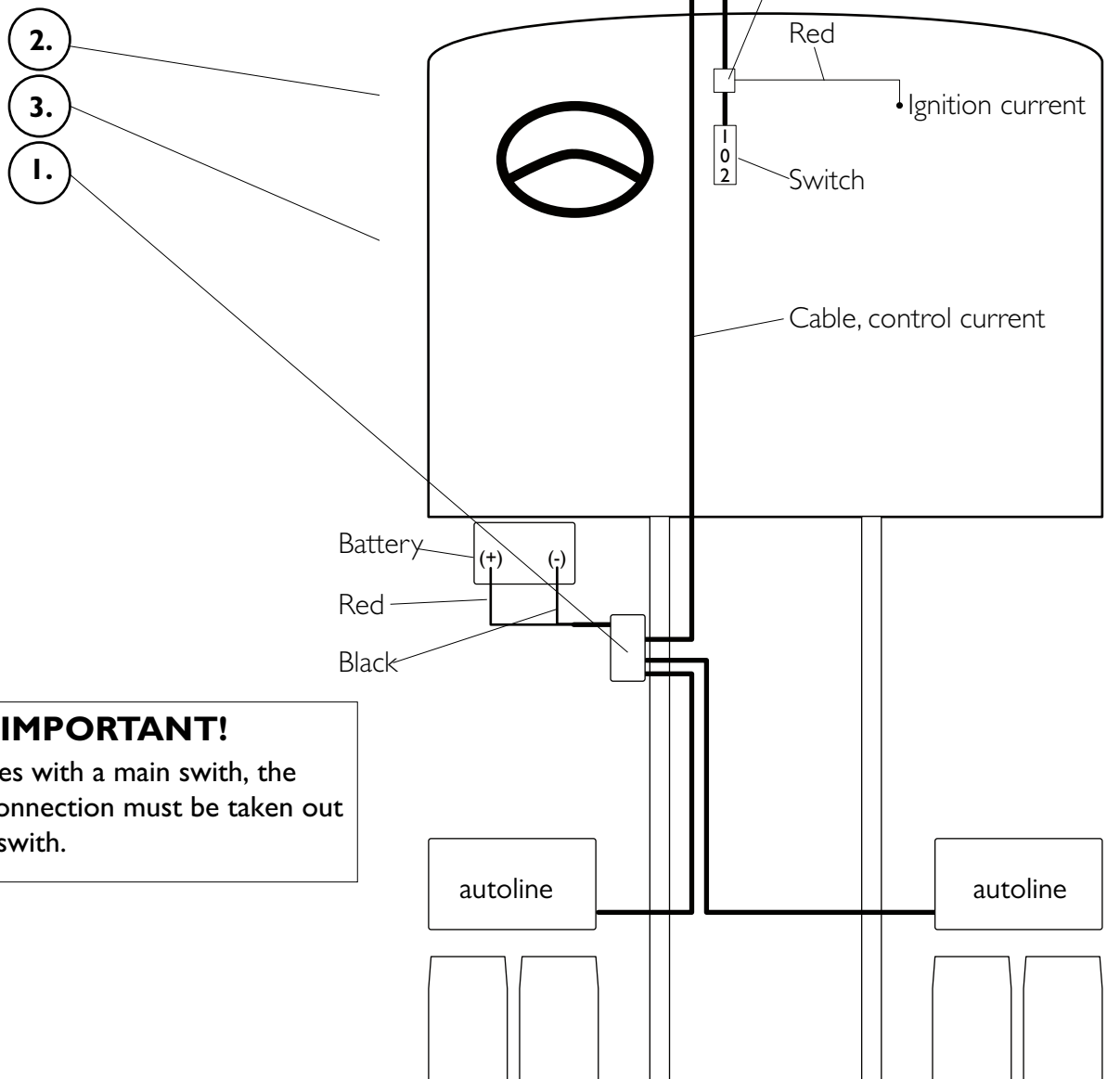
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Installation of electrical control system “ESS 2024”

1. The control unit should be installed next to the battery. It is important to install the cable that runs between the battery and the control unit in a manner that ensures the cable is not subjected to rubbing or pinching that could result in interruptions to the current/short-circuits. The unit must also be installed in a manner that makes it possible to open its cover.
2. Install the switch to the right-hand side of the steering wheel. Experience has shown that the best location has proven to be next to the switches for interlocking and lifting the trailer. The red wire leading from the switch must be connected to the ignition current.
3. The control current cable must be run up to the switch and connected colour to colour to the wires leading from the switch.

Fig. 10



IMPORTANT!

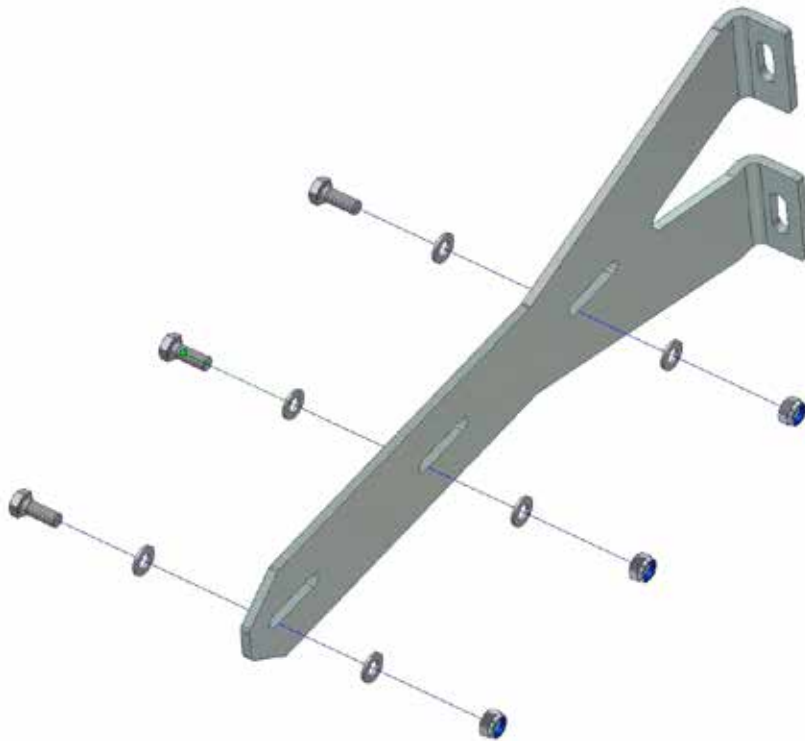
On vehicles with a main switch, the current connection must be taken out from the switch.

MOUNTING BRACKET WITH BOLTS

Models: S90 - C50 - V70 - Y60 Part no.: 2896001

The brackets are made from steel and are galvanized.

Fig. 9



INSTALLATION OF AUTOLINE S90

Allow an equal distance for the container and the frame.

Fig. 1

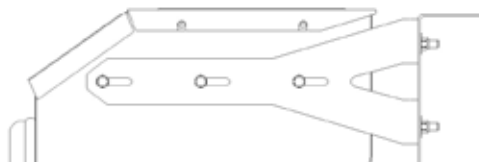


Fig. 2

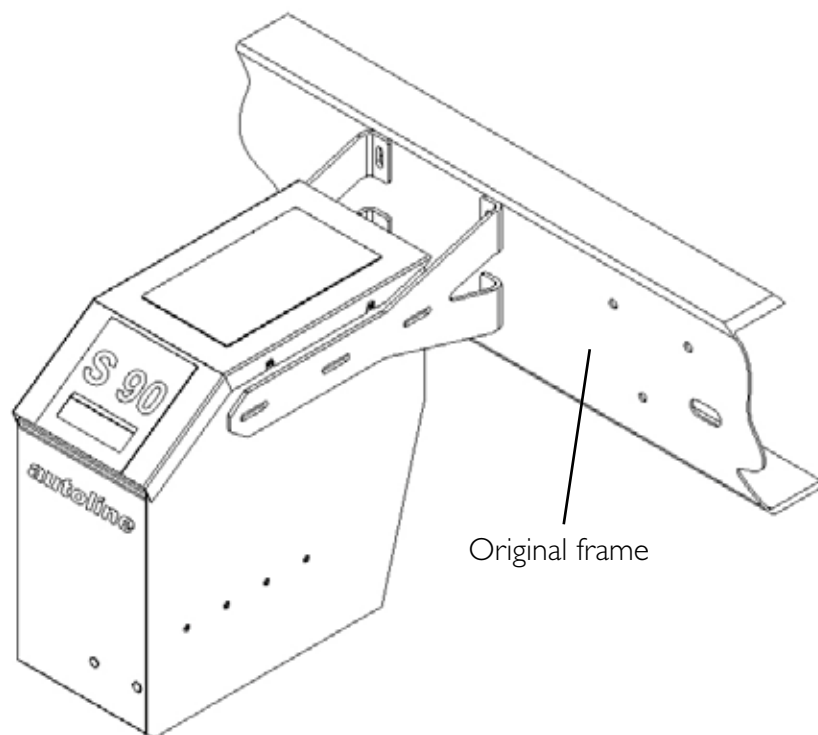


Fig. 3



INSTALLATION OF AUTOLINE V70

Fig. 4

The Autoline V70 does not have predrilled holes for the mounting brackets.

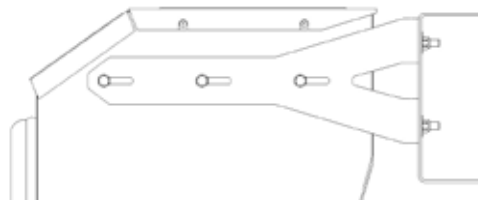


Fig. 5

The height of the mounting brackets can be varied.

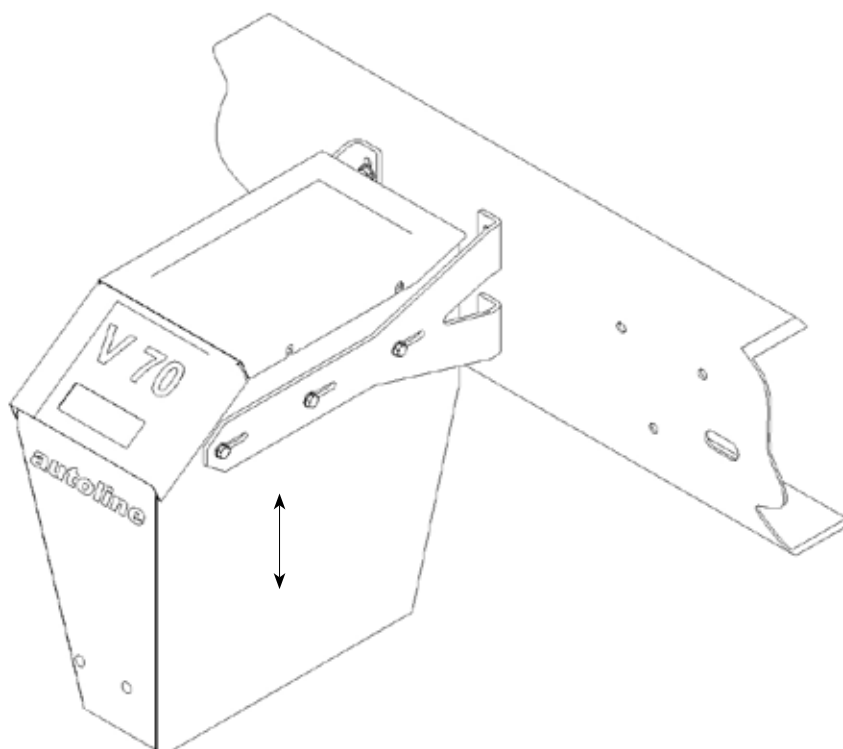
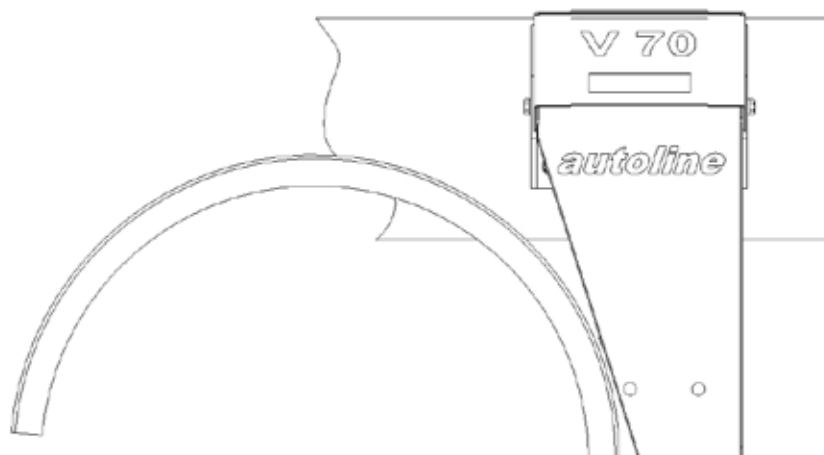


Fig. 6

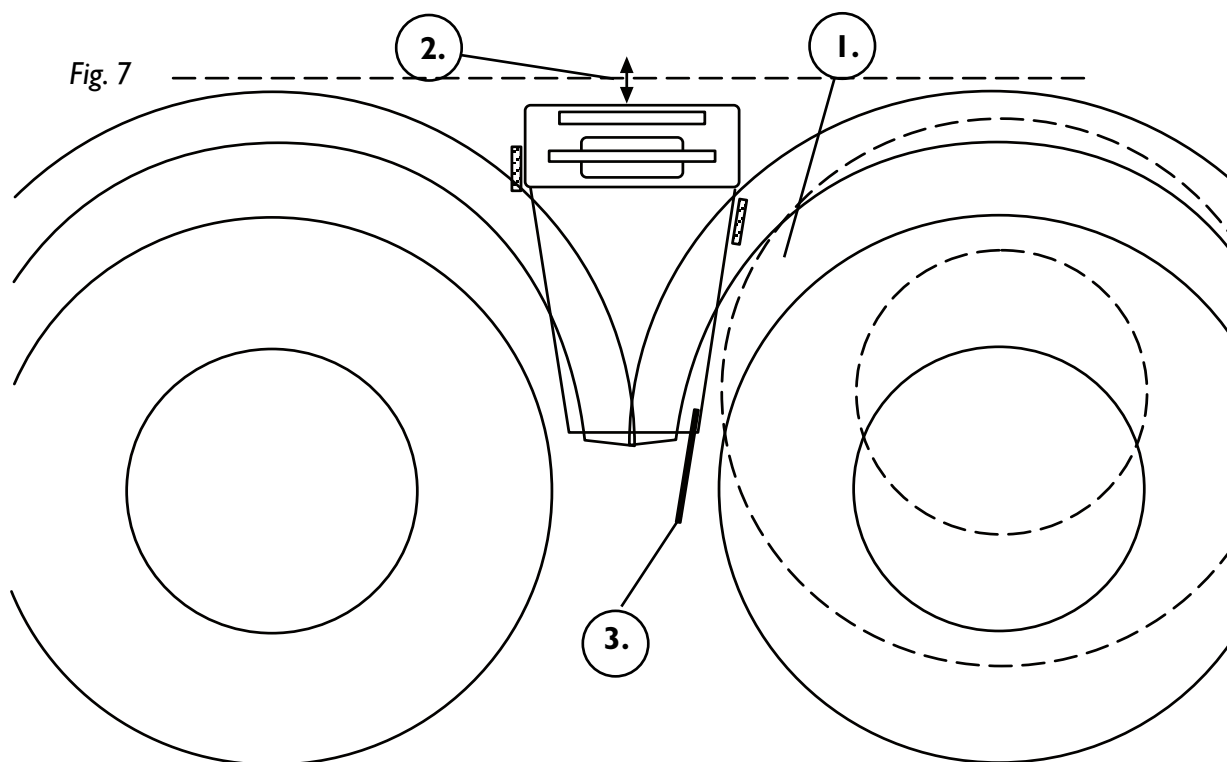
If so desired and it is possible, the Autoline V70 can be installed higher up and thus take up less space in front of the wheels.



INSTALLATION OF AUTOLINE Y60

The height of the Autoline Y60 can be varied depending on the height of the "Fifth Wheel"

1. Install the container as close to the wheel on the pusher axle as possible.
The wheels must not touch the containers or the mounting brackets when the axle is at maximum lift and the turning circle is as tight as possible.
2. The height of the containers must be adjusted in relation to the turntable.
The top of the containers should not be higher than the top of the mudguards.
Please note that mudguards are flexible and bend when pressure is applied from above; the sand spreaders do not.
3. The spatter guard should be installed to avoid mud and snow from the wheel getting on the pusher axle.

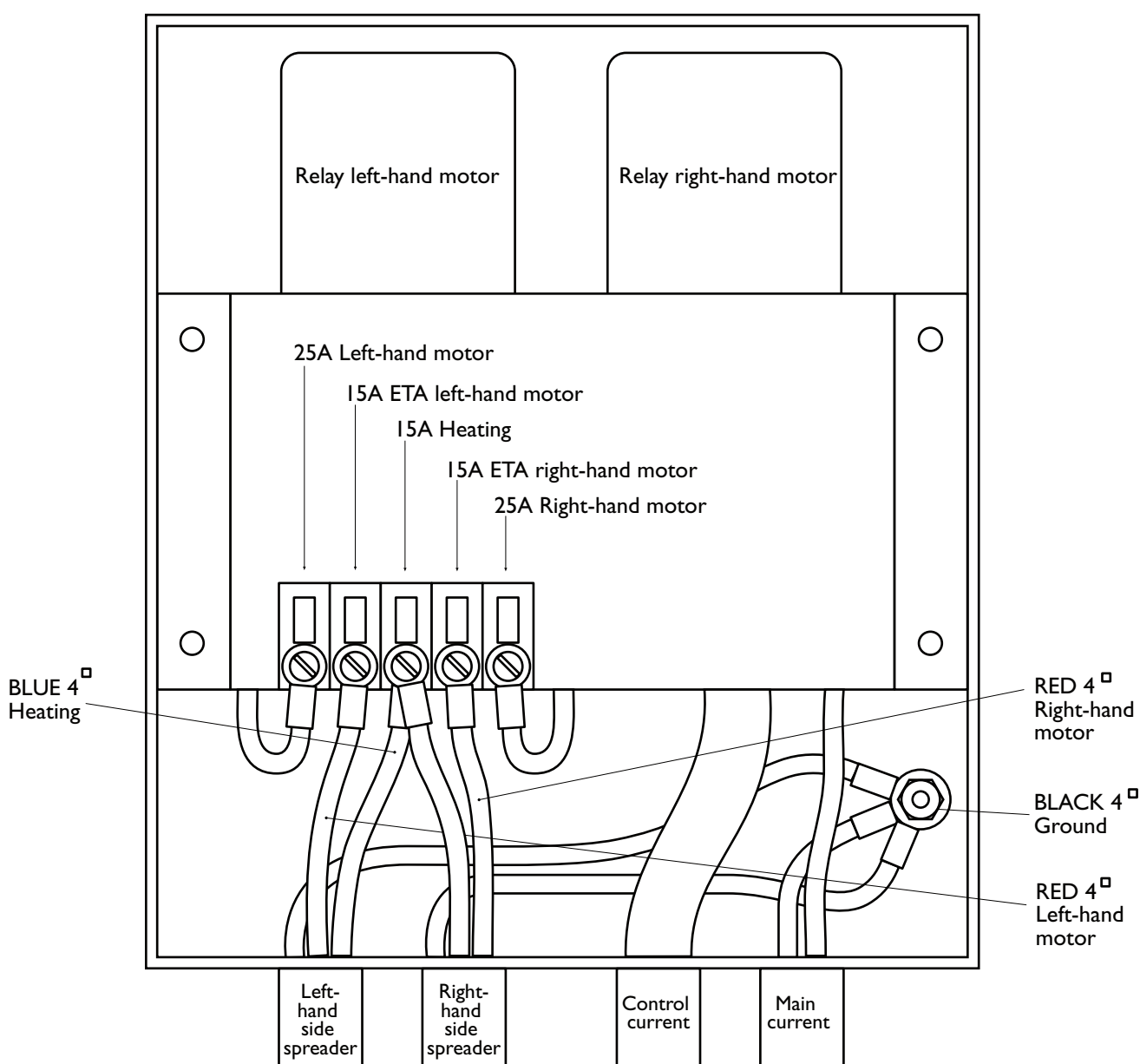


Connection of wires in “ESS 2124”

Adjust the length of the wires from the sand spreaders and pull the wires into the unit: install the cable terminals (enclosed) and the wires as shown in the diagram.

It is important to ensure the cable terminals are properly tightened onto the wires. The ground wire must be fastened with a bolt as shown in the diagram.

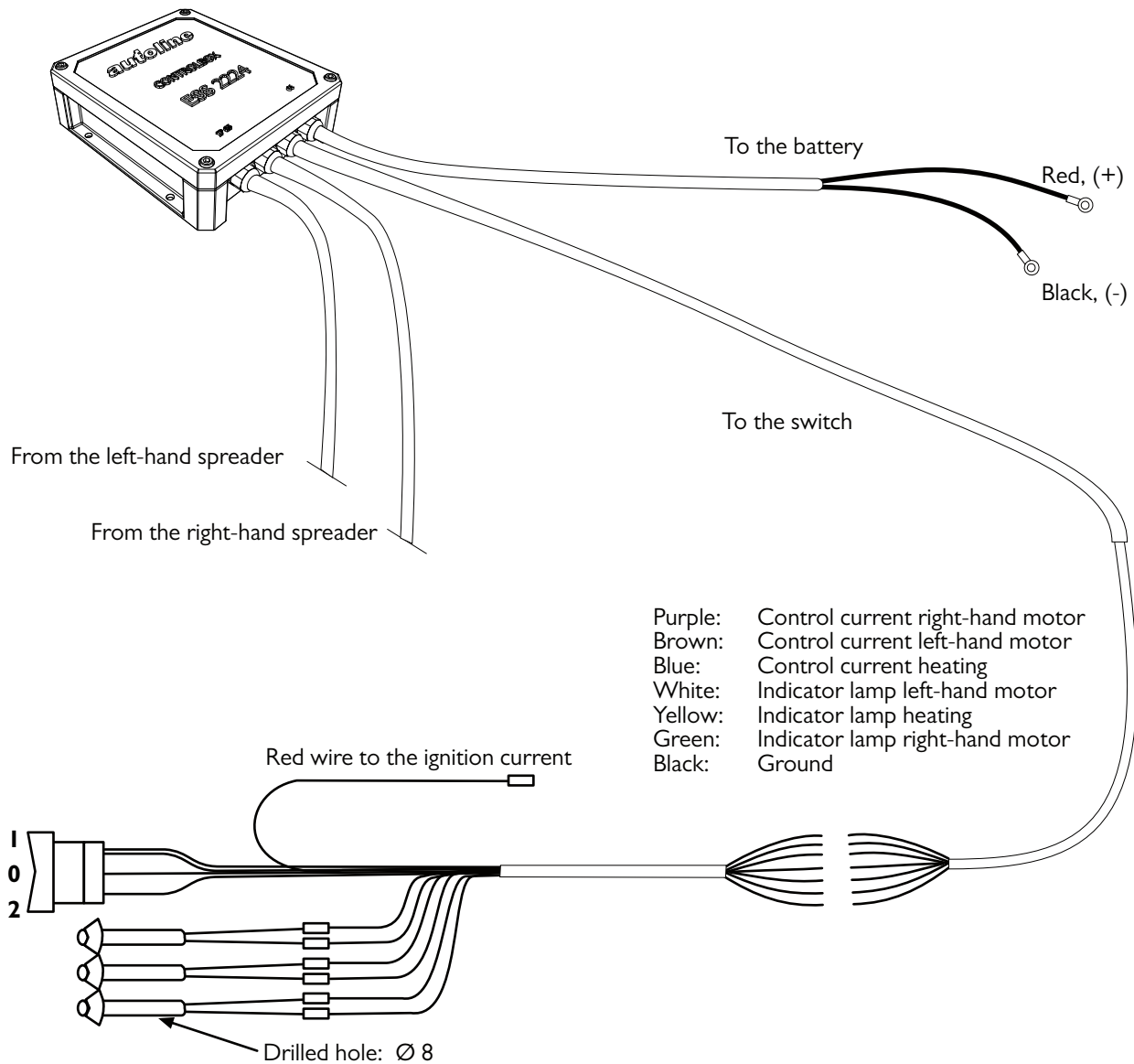
There are two types of fuses: ETA fuses are automatic and engage and disengage automatically. Ordinary safety fuses are used to protect against short-circuits and other faults in the electrical system.



THE PIPES MUST POINT DOWNWARDS!

ESS 2224

Electrical control system for Autoline sand spreaders



Installation of switches and indicator lamps

Install the indicator lamps next to the switch so the red lamp for the right-hand sand spreader is on the right and the red lamp for the left-hand sand spreader is on the left.

A yellow lamp is used in some vehicles, e.g. Scania.

Some vehicle makes have built in yellow indicator lamps in the switch, e.g. Volvo.

When "single control" is installed the control current wires for the motors are connected together (purple and brown).

If "separate control" is going to be installed afterwards, i.e. one switch for each sand spreader, then two switches must be used.

In this case the switches are installed next to each other and the purple and brown wires' connections are changed, with the purple wire on the right-hand side and the brown wire on the left-hand side.

If the sand spreader is delivered from the factory with "separate control" these will already be connected properly.