

Assembly instructions

Complete Set - Basic Vehicle Harness - Front and Rear

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30322558-02-EN

Read and follow these operating instructions.

Keep these operating instructions in a safe place for later reference.

Company details

Document

Assembly instructions

Product: Complete Set - Basic Vehicle Harness - Front and Rear

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1 For your safety

1.1 Basic safety instructions



Read through these safety instructions carefully before upgrading the ISOBUS rear socket.

- Only install the product if you are specially trained in the field of electronics. Otherwise, ask an expert.
- Use only components provided by Müller-Elektronik during retrofitting.
- Install the product as described in these instructions.

1.2 Intended use

The product is intended exclusively for use in agriculture. The manufacturer shall not be held responsible for any other use of the system.



The manufacturer cannot be held liable for any personal injury or property damage resulting from such non-compliance. All risk arising from improper use lies with the user.



The operating instructions form part of the product. The product may only be used in accordance with these operating instructions.

All applicable accident prevention regulations and all other generally recognized safety, industrial, and medical standards as well as all road traffic laws must be observed. Any unauthorized modifications made to the equipment will void the manufacturer's warranty.

1.3 Layout and meaning of warnings

All safety instructions found in these Operating Instructions are composed in accordance with the following pattern:

	 WARNING
	<p>This signal word identifies medium-risk hazards, which could potentially cause death or serious physical injury, if not avoided.</p>

	 CAUTION
	<p>This signal word identifies hazards that could potentially cause minor or moderate physical injury or damage to property, if not avoided.</p>

NOTICE

This signal word identifies hazards that could potentially cause damage to property, if not avoided.

There are some actions that need to be performed in several steps. If there is a risk involved in carrying out any of these steps, a safety warning will appear in the instructions themselves.

Safety instructions always directly precede the step involving risk and can be identified by their bold font type and a signal word.

Example

- 1. NOTICE! This is a notice. It warns that there is a risk involved in the next step.**
2. Step involving risk.

1.4**Disposal**

When it has reached the end of its service life, please dispose of this product as electronic scrap in accordance with all applicable waste management laws.

2 Product description

The complete front and rear basic vehicle harness set from Müller-Elektronik enables you to use two ISOBUS sockets in your vehicle. You can thus work with two ISOBUS-compatible devices.

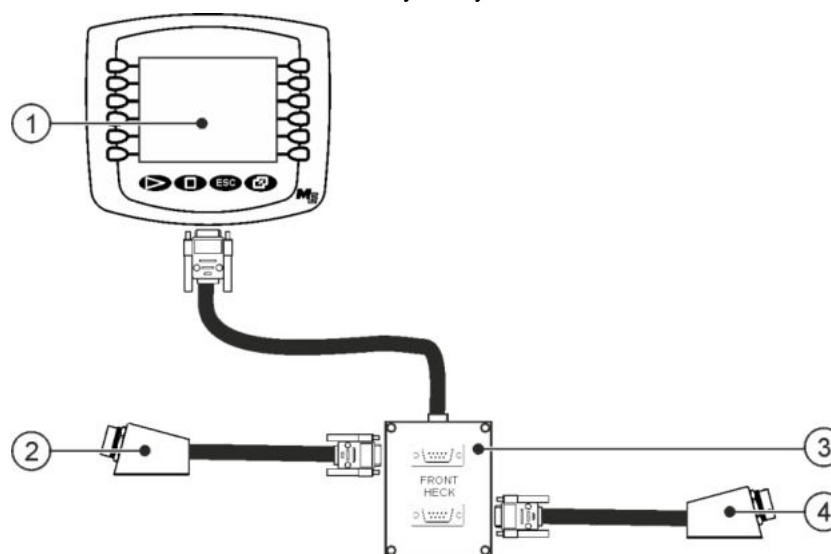
2.1 Scope of delivery

The complete set for fitting your vehicle with an ISOBUS front socket and ISOBUS rear socket consists of the following components:

- ISOBUS front socket
- ISOBUS rear socket
- Basic vehicle harness box for connecting two ISOBUS sockets
- Battery cable with fuse holder for connection to the vehicle battery
- Enclosures pack with parts for installing the components

2.2 System overview

The illustration below shows how your system will look like after installation:



①	Terminal	③	Basic vehicle harness box
②	ISOBUS front socket	④	ISOBUS rear socket

3 Assembly instructions

3.1 Installing the ISOBUS rear socket (Item number: 3132255201)

Before you can use the ISOBUS rear socket, the socket must first be installed.

Procedure

1. Install the ISOBUS rear socket in an easily accessible area in the rear of your vehicle.

3.2 Installing the ISOBUS front socket (Item number: 3132255501)

Before you can use the ISOBUS front socket, the socket must first be installed.

Procedure

1. Install the ISOBUS front socket in an easily accessible area in the front of your vehicle.

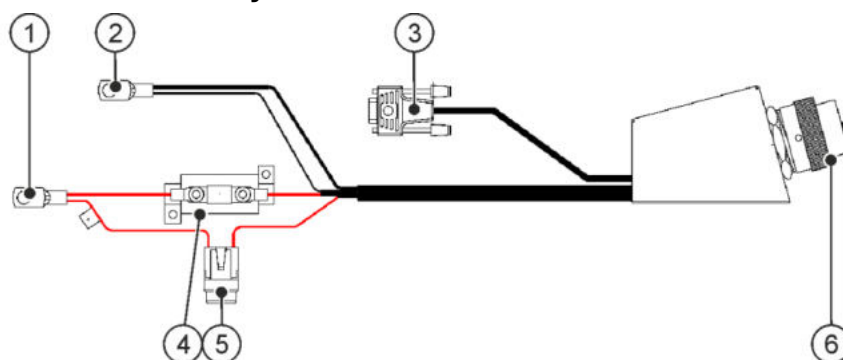
3.3 Installing the basic vehicle harness box

If you have fitted the vehicle with two ISOBUS sockets, you will need the basic vehicle harness box. The basic vehicle harness box connects the ISOBUS sockets with the terminal.

Procedure

1. Install the basic vehicle harness box in the vehicle cab. Choose a location which is protected from moisture.

3.4 Connect the battery cable



①	Ring tongue for connection to the positive terminal of the vehicle battery	④	Prepared fuse holder with 50A fuse
②	Ring tongue for connection to the negative terminal of the vehicle battery	⑤	Prepared fuse holder with 15A fuse
③	Terminal connection cable	⑥	ISOBUS socket

**WARNING****Risk of injury caused by short circuit**

Connecting the positive terminal and the vehicle mass when working on the battery terminals can cause a short circuit. This can cause burn injuries to persons.

- When working on the battery terminals, ensure that no connection is created between the vehicle battery and the vehicle mass.
- Remove metallic items such as watches and rings before starting work.
- When disconnecting the terminals, always begin with the negative terminal.
- Always begin reconnecting the terminals with the positive terminal.

**WARNING****Danger of injury from explosion of the vehicle battery**

If the battery terminals are loose fitting, starting the vehicle can cause the vehicle battery to overheat. The vehicle battery may then explode.

- Always tighten the battery terminals firmly after assembly.

NOTICE**Damage to the vehicle's electrical system**

Switching the polarity of the cables can cause damage to the vehicle's electrical system.

- Pay attention to the polarity of the cable cores and the terminals!

Procedure

To connect the battery cable:

- ☒ The vehicle is switched off.

1. Connect the ring tongue to the battery terminal of the vehicle battery. Pay attention to the polarity, start with the positive terminal.
2. Fasten the battery cable with the cable ties. You may not shorten the cable. When fastening, pay attention to sufficient distance from moving parts and parts that get very hot.

3.5**Connecting ISOBUS sockets with the basic vehicle harness box**

After installing all of the components, you must connect the ISOBUS sockets with the basic vehicle harness box.

Procedure

1. Connect the components exactly as shown in System overview [→ 6]. Note that the power supply will only function when an ISOBUS rear socket is connected.

4 Technical specifications

Operating voltage	9-16 V
Operating temperature	-20 - +70°C