

Assembly Instructions

Complete Set - Basic Vehicle Harness - Front and Rear

Version: V9.20191001



30322558-02-EN

Read and follow these instructions. Keep these instructions in a safe place for later reference. Please note that there might be a more recent version of these instructions on the homepage.

Company details

Document

Assembly Instructions

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

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Original instructions

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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. In all other cases, have the work performed by a specialist.
- Use only components provided by Müller-Elektronik during retrofitting.
- Install the product as described in these instructions.

1.2 Intended use

The product is only intended for use in the agricultural sector. 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
	This signal word identifies medium-risk hazards, which could potentially cause death or serious physical injury, if not avoided.

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

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 appears 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 power sockets in your vehicle. You can thus work with two ISOBUS-compatible devices.

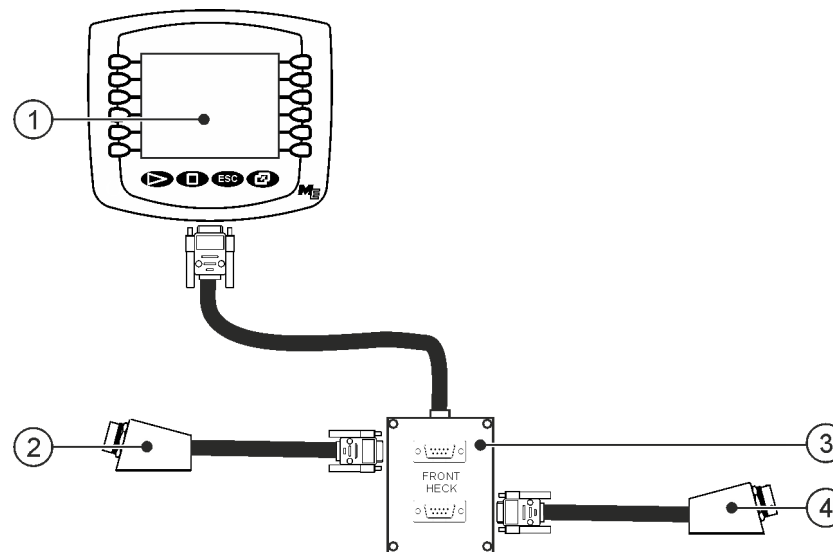
2.1 Scope of delivery

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 power sockets
- Battery cable with fuse holder for connection to the vehicle battery
- Accessories bag 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 front socket (Item number: 3132255501)

You may only install the ISOBUS power sockets in certain directions to prevent the penetration of water or other substances. If you install an ISOBUS power socket in a different direction, it is possible that water or other substances could enter the socket.

The following directions are possible:

Attachment at the bottom and inclined	Attachment at the left and inclined	Attachment at the right and inclined
		
<i>Front view</i>	<i>Front view</i>	<i>Front view</i>
		
<i>Side view</i>	<i>Side view</i>	<i>Side view</i>

Procedure

1. Install the ISOBUS power socket towards the front of your vehicle at an accessible location. In doing so, observe the possible correct installation positions and the cable lengths for later connection to the basic vehicle harness box. Always use 4 bolts to screw on the ISOBUS power socket.

3.2 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 towards the rear of your vehicle at an accessible location. In doing so, observe the possible correct installation positions and the cable lengths for later connection to the basic vehicle harness box. Always use 4 bolts to screw on the ISOBUS power socket.

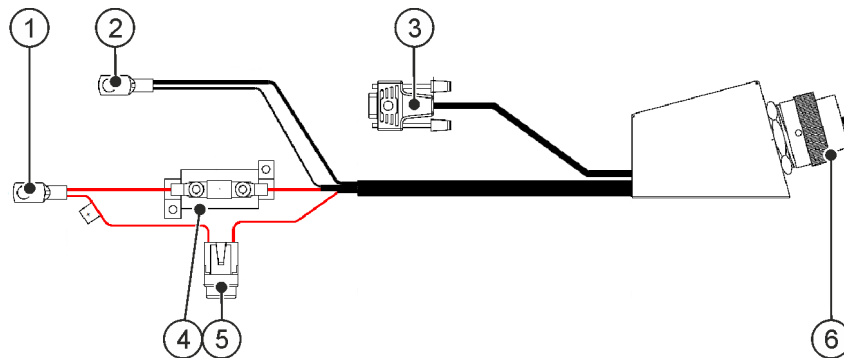
3.3 Installing the basic vehicle harness box

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

After installing all of the components, you must connect the ISOBUS power 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