



1 Safety

The present installation instructions are intended for users with previous knowledge of automotive electrics and support safe installation of the adapter for use according to the intended application:

The adapter is used to bring together individual 2-pin connection cables for the ejection signal [A] and the supply voltage [B] to the 3-pin connector [A/B] of the PowAirBox II. The PowAirBox II is a system for feeding current and compressed air to emergency vehicles.

2 Package contents

Component	No.
Y-adapter 2 x 2-pin socket to 1 x 3-pin plug, item no.: 1549000013	1 x

3 Connection cable installation

To connect 2 separate cables for the ejector [A] and the supply voltage [B], follow the steps below:

CAUTION! Reversing the connections [A] and [B] will cause the unit to malfunction.

If you already have separately installed cables (e.g. when replacing a PowAirBox I with a PowAirBox II), continue with the section "Y-Adapter Installation".

Ejector [A]

1. Lay the 2-pin connection cable for the ejector between the installation opening and the connection point in the vehicle.
2. Connect the red positive cable of this 2-pin connection cable to terminal 50 (starter control) or terminal 15 (ignition starter switch) for the transmission of the ejection signal. Protect this cable as close as possible to the connection point with a fuse (according to ISO 8820-3) (12 V: 3 A/24 V: 6 A).
3. Connect the black earth wire to the negative terminal of the starter battery.

Supply voltage [B]

1. Lay the 2-pin connection cable for the supply voltage between the installation opening and the connection point in the vehicle.
 2. Connect the red positive conductor of this 2-pin connection cable for the permanent supply voltage of the unit to the positive terminal of the starter battery. Protect this cable as close as possible to the starter battery with a fuse (according to ISO 8820-3) (12/24 V: 1 A).
 3. Connect the black earth wire to the negative terminal of the starter battery.
- ⇒ The connection cables for the socket [A/B] are installed.

4 Y-adapter installation



Reverse polarity can damage the equipment

Incorrect polarity of the connection cables will lead to a short circuit.

1. Before plugging the connection cables into the adapter, make sure that they are correctly polarised according to the specified pin assignment.



Fig. 1: Y-adapter connections

1	Plug [A/B], 3-pin	2	Labelling of the sockets
3	Socket [A] for ejection signal, 2-pin	4	Socket [B] for supply voltage, 2-pin

- ✓ The connection cables for the ejection signal [A] and the operating voltage [B] are correctly installed.

1. Connect the plug of the connection cable for the ejection signal to the socket of the adapter marked with the letter [A].
 2. Connect the plug of the connection cable for the operating voltage to the socket of the adapter marked with the letter [B].
- ⇒ The 3-pin plug [A/B] of the adapter is installed and ready for connection to the socket [A/B] of the PowAirBox II.

5 Pin assignment

Connection	Pin	Signal
Socket [A] (ejection signal)	1	+12 V/+24 V ignition switch or starter signal
	2	Ground
Socket [B] (operating voltage)	1	+12 V/+24 V permanent operating voltage
	2	Ground
Plug [A/B] (ejection signal and operating voltage))	1	+12 V/+24 V ejection signal
	2	+12 V/+24 V permanent operating voltage



Connection	Pin	Signal
	3	Ground