

Installation Guide

Link 740

Before installation, please ask our customer service about the remote capability of the tachograph using the type (1381) or release number (VDO tacho version 1.3a or later and Stoneridge device from release 7.3):

+49 3641 22778 595 or ticket@dako.de

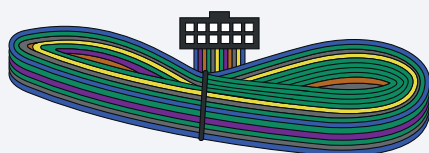
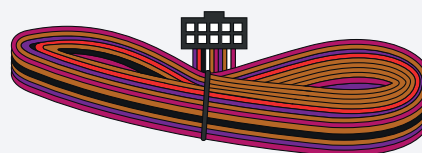
If difficulties concerning the installation of the telematic unit with the vehicle's tachograph should occur, please consult the manufacturer's manual for installing third-party telematics.

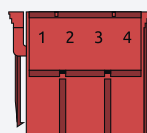
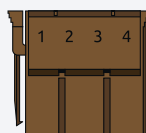
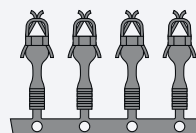
Preparation

Scope of supply:

Please note: All parts are required for installation!

☐ Link 740

☐ I/O cable (12-pole)

☐ Power cable (10-pole)

☐ Guide

☐ Red plug

☐ Brown plug

☐ Contacts

☐ Cable bridge


Required for installation:

☐ Testing device
for tachographs

☐ Workshop
card

☐ §57b certified staff
member

☐ If necessary, a 120
ohm resistor

The following information has to be available at the time of the final installation check:

Serial number Link 740: _____

Licence number: _____

Number of tachograph type: _____

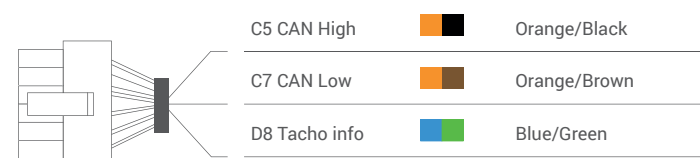
Tachograph has to be calibrated BEFORE installation
(Licence number/Vehicle identification number)

If the device originates from an end-of-life-vehicle, a reset is necessary. In order to do that, switch on the ignition and then press the reset button for 8 seconds.

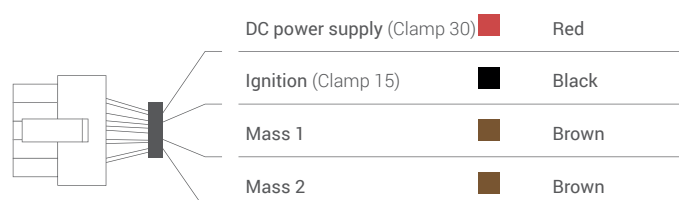
* For position, see red marking in the illustration in the „scope of delivery“ section

Please fill in the form and hand it over to the client after installation!

PIN configuration: ☐ I/O cable (12-pole)



☐ Power cable (10-pole)



Installation

Please follow the **installation sequence!**

1. Connect the Tacho Info cable (blue/green) with PIN D8 of the brown plug using a cable shoe (fig. 2.1).

Connect the CAN H (orange/black) to PIN C5 and connect CAN L (orange/brown) to PIN C7 of the red plug.
Mount a bridge (grey) between C7 and C8, to connect the internal termination resistor of 120 Ohm, if the pins C5 and C7 aren't wired by the manufacturer (fig. 2.2). (Check resistance with active ignition, fig. 2.3).

2. Please implement the following setup:

for VDO (testing device and workshop card)

- ☐ Deactivate CAN2 and then reactivate it.
- ☐ Deactivate CAN2 remote download and then reactivate it.
- ☐ Set CAN2 baud rate on 250 kBd.

OR

for Stoneridge (workshop card and tachograph)

- ☐ CAN selection on "C"
- ☐ D8 log SER/SRE

3. In case you ordered FMS data transmission (tank level, consumption, etc.), please connect FMS-CAN parallel to C5 and C7.

The resistance between CAN H and CAN L has to be 60,0 Ohm with ignition active (± 2 Ohm, fig. 2.3 and 2.4).

You can find out from our customer service team if FMS has been ordered.

4. Please call the DAKO customer service, **BEFORE** the link box and tachograph are installed again.

Please make sure that **the vehicle is standing outdoors**, if possible, and **the ignition is switched on** before contacting our team.

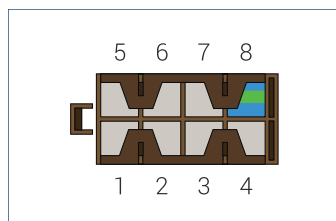


Figure 2.1:
Tacho info cable, plug D

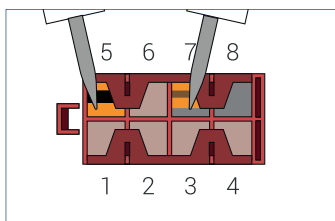


Figure 2.2:
With cable bridge, plug C

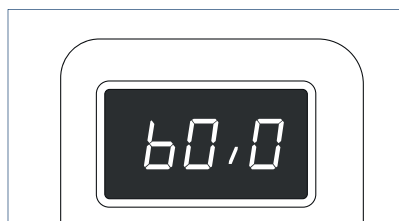


Figure 2.3: Multimeter on 60 Ohm (± 2 Ohm),
Measuring tips between C5 and C7

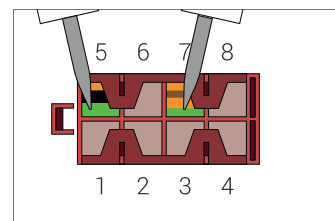


Figure 2.4:
FMS cable, plug C, without cable bridge

Troubleshooting

Status	Meaning of the green LED lighting	Meaning of the yellow LED lighting
OFF	Standby or not connected	No GSM coverage
ON and shortly OFF every 3 sec.	Ignition is off	No GSM coverage
Fast blinking	Problem with operating system	SIM card not inserted / defect or modem defect
Blinking	Device is not activated	Connection is getting established
ON	Application is running	Connected

Wiring

Standard installation without pre-wiring

The internal resistor is measured with the ignition switched off and the C plug disconnected.

On the red plug "C", only the Link box is connected using a cable bridge which connects the internal resistor.

First, it should be determined if the tachograph includes an internal resistor. This requires checking the resistance with a multimeter at Pin C5 and Pin C8 without a plug (fig. 2.5). If the testing device shows 120 ohm, an internal resistor is included which can be connected to Pin C7 and C8 with a bridge cable. If the measured value is in the mega ohm range, no internal resistor has been included. In this case, a 120 ohm resistor has to be placed between C5 and C7. The cable bridge between C7 and C8 becomes unnecessary.

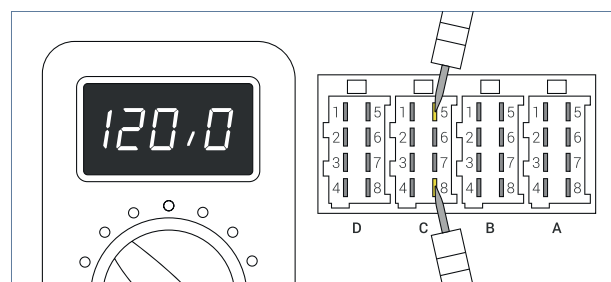


Figure 2.5: Checking the resistance