TRUCKBOX 2

Truckbox basic cable set (21-05-TB-K)

IMPORTANT NOTES

- FMS and tacho data is only available after the engine has been started!
- The FMS interface needs to be activated in the truck!
- **NEW: For a mass memory download in trucks without FMS, the remote download cable set (21-05-TB-K-TRD) needs to be installed in addition!**

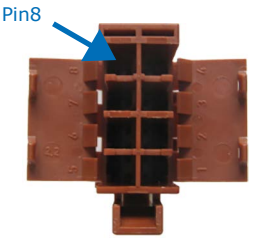
CONNECT THE FOLLOWING LINES OF THE BASIC CABLE SET

- red cable : connected to +24V **permanent positive** of the vehicle battery
- blue cable : to the vehicle mass
- black cable : connect to info interface of the digital tacho (plug D, Pin 8)
- green cable : connect to FMS interface **CAN-High**
- yellow cable : connect to FMS interface **CAN-Low**

INSTALLATION

1. We recommend that you first route all cables in the vehicle to the installation location of the Truckbox before crimping the contacts to the cables (a suitable crimping tool is required). **Do not connect the Truckbox yet!**

2. **CONNECTING THE TACHO LINE (5m)**
Route the **black** cable to the tachograph and crimp the spring contact to the cable.
Remove the tachograph, then remove the **brown** 8-pin connector D on the back of the tachograph, open the housing and insert the spring contact into the opening for **Pin8** and click into place. Re-lock the housing and connect the connector D to the tachograph.
If the connector B on the tachograph is missing, please use the supplied brown ISO housing.



3. **CONNECTION OF THE FMS LINES (1,5m)**
Connect the twisted **green/yellow** cable to the appropriate telematics connector (usually in the footwell on the passenger side or in the area next to the tachograph) and crimp the two **plug contacts** to the wires.
The two FMS cables are connected to the supplied 12-pin **green** ISO housing. The **yellow** cable of the Truckbox must be connected to the contact for **CAN-Low** (pin 9) and the **green** cable of the truck box to the contact for **CAN-High** (pin 6).
If the telematics plug is already occupied or if the enclosed ISO housing should not fit, another vehicle plug and possibly other crimp contacts must be used. In this case, please contact the authorized service center.
As an accessory to the basic cable set, TIS offers vehicle-specific ISO housings and crimp contacts for **Mercedes** (21-05-TB-K-DAI) and **DAF** (21-05-TB-K-DAF).

4. **CONNECT POWER SUPPLIES (1.5m)**
Connect the **red** cable either to the supplied **green** ISO housing (pin 12) or to a sufficiently protected place on the vehicle battery (+ 24V **permanent voltage**). Connect the **blue** cable either to the **green** ISO housing (pin1) or to a suitable location on the vehicle body. Use the supplied **plug contacts**.
If **no fuse** is available, the supplied 1A fuse **must** always be installed in the **red** battery cable of the Truckbox.

File: Installationsanleitung Truckbox Basiskabelsatz (21-05-TB-K) Stand: 17.03.2017

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5. Before the truck box is plugged in, the correct installation should be checked with the T**ruckbox cable set installation test kit** (21-05-TBI2).

6. **CONNECTING THE TRUCKBOX**
   To do this, fix the truck box at the installation location and connect it to the 8-pin black plug. The **status LED** of the truck box now lights up **green** for a few seconds and then flashes **3x** (TB Premium) or **5x** (TB Plus) **yellow**. A **red** continuous light signals the deletion of the internal truckbox memory after the initial installation or after a vehicle tag change.
   The color changes as follows:
   red = Bluetooth connection, **yellow** = FMS data, **green** = Tacho data.
   If none of these signals are present, the LED **flashes red briefly** every 6 seconds.
   NOTE: The FMS and tacho data are only available after the ignition is switched on.
   If the Stoneridge SE5000 is configured incorrectly (see table below), the LED will light up as follows:
   8 seconds **yellow**, 2 seconds **off**, 8 seconds **yellow**, etc.

7. Reinstall the digital tachograph, fasten the Truckbox and route all the cables from the Truckbox cable set in the vehicle in a suitable manner, e.g. to existing cable harnesses.

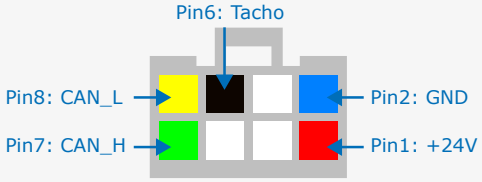
8. **ATTENTION:** Depending on the manufacturer or model of the digital tachograph, the info interface may need to be enabled. See the following table:

Tacho manufacturer/model	Conditions / Activation
Stoneridge / SE5000	The executing workshop must be able to carry out a "test of tachographs and control devices according to paragraph 57b StVZO". The corresponding test device is called Stoneridge MKII (pronounced "Mark2"). The following setting options are available for pin D8: • "2400 on" • "SRE on" • "off" The setting **"SRE on"** is necessary for the truck box! Tested version: Software code = I7R7, software version = A15TT02
Siemens VDO / DTCO1381	No adjustment required Tested version: Version = 1.02.0E, hexadecimal info interface version number in data stream = 0x00
other models	in preparation / on demand

CABLE SPECIFICATION, PINS OF TRUCKBOX AND TELEMATIC PLUG:

- FLRY vehicle line
- -40...+105°C
- Diameter 0,75mm²
- Isolation Soft PVC
- ISO 6722
- Class B, Unleaded

Truckbox connector (view cable side)



ISO connection (view cable side)

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