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Tachograph connection:

- **Basic connection**
- **Connection of DAF**
- **Connection of SCANIA**

Basic connection

- Basic connection is used for **Siemens VDO** and **Stoneridge** tachograph. A tachograph version is required for functional remote archiving, required is about **Siemens VDO** version 1.3a and higher and about **Stoneridge** version SE5000 and higher. Next, it is necessary to have enable downloading data on the tachograph for CAN line (performed by AMS - Authorized Metrology Center).
- For older tachographs, it is necessary to connect voltage ignition on KL15 to the pin 3 of the connector D (depend on how the tachograph is programmed), see picture 2. If we measure the voltage at this input, it is not necessary to connect wire KL15 on the tachograph, connector D, pin 3.

Connectors:

Picture. 1. connector **C (red)** - **remote download** (remote archiving of the tachograph)



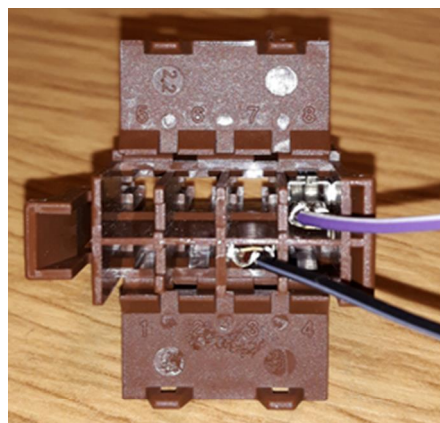
CONNECTION:

position **C5** = **orange/green** - signal CAN_H

position **C7** and **C8** = **orange/brown** - signal CAN_L

Between position **C7** and **C8** is necessary to use a jumper!!!
(activating internal resistance)

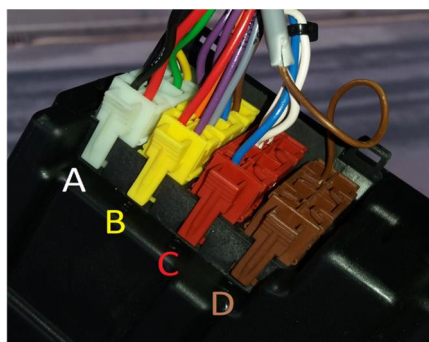
Picture.2. connector **D (brown)** - **info-line** (D8, connect if requested reading of card driver and AETR, wire (ignition on) on the pinu 3 connected due to the non-measurement of the required voltage on the tachograph)



CONNECTION:

position **D8** = **violet/white** - signal UAR

position **D3** = voltage of ignition on, KL15, signal IGN
(only to connect if is not measured voltage on the tachograph)



The positions and colors of the connectors are identical for the Siemens VDO and Stoneridge tachographs.

Connection of DAF

For DAF vehicles is possible to connect tachograph from **green FMS connector**. This connector is located near the front passenger's fuse box.

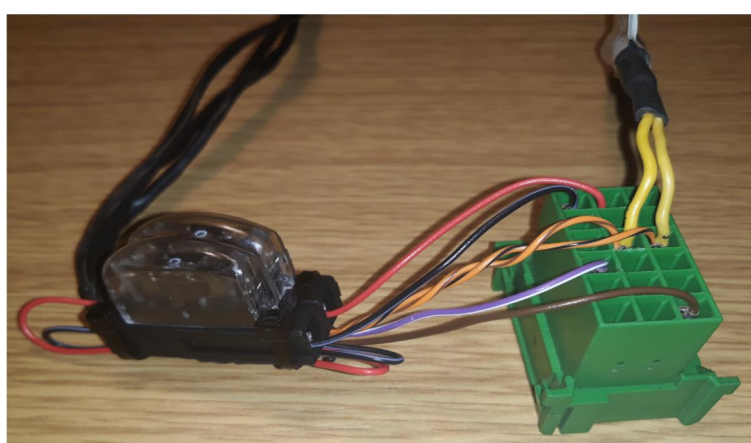
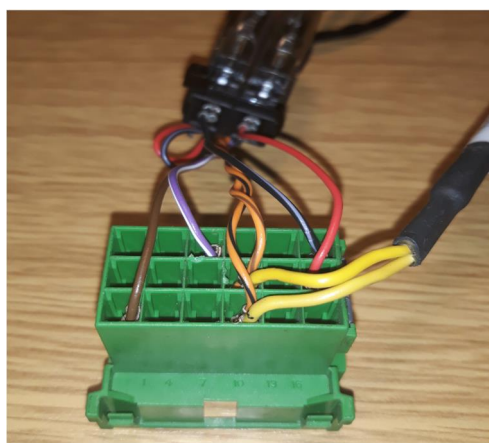
In the 18 pins FMS connector we can find:

- Connector **C (red)** - **remote download** (remote archiving of the tachograph)
- Connector **D (brown)** - **info-line** (D8, reading of card driver and AETR)
- Power the unit: 31 GND (-), **30 PWR (+)**, **15 ING (+)**
- All information from CAN-BUS

Positions of FMS connector:

Positions FMS	Name FMS	Cabling of unit	Color of wire
1	31 GND (-)	(pin 1) GND	brown
9	info-line (D8, reading of card driver and AETR)	(pin 22) UAR	violet/white
10	CAN_H (C5,CAN-BUS)	(pin 32) CAN1_H	orange/black
11	CAN_L (C7 a C8, CAN-BUS)	(pin 31) CAN1_L	orange/brown
17	30 PWR (+)	(pin 1) PWR_IN	red
18	15 IGN (+)	(pin 12) IGN	black/gray

Pictures:



Connection of SCANIA

For SCANIA vehicles is possible to connect tachograph (remote archiving of the tachograph) from **green FMS connector**. This connector is located near the front passenger's fuse box. **Info-line** (D8, reading of card driver and AETR) it is necessary to pull the cable to the tachograph, connector D, position D8, the same as other vehicles except DAF.

In the 12 pins **green** FMS connector we can find:

- Connector **C (red)** - **remote download** (remote archiving of the tachograph)
- Power the unit: **31 GND (-)**, **30 PWR (+)**, **15 ING (+)**
- It can be all information from CAN-BUS FMS, depends on the vehicle manufacturer's settings

Positions of FMS connector:

Positions FMS	Name FMS	Cabling of unit	Color of wire
1	31 GND (-)	(pin 1) GND	brown
6	CAN_H (C5, remote archiving of the tachograph)	(pin 32) CAN1_H	orange/black
9	CAN_L (C7 a C8, remote archiving of the tachograph)	(pin 31) CAN1_L	orange/brown
10	15 IGN (+)	(pin 1) PWR_IN	black/gray
12	30 PWR (+)	(pin 12) IGN	red

- Connector in tachograph **D (brown)** - **info-line** (reading of card driver and AETR))



CONNECTION:

position **D8** = **violet/white**

Pictures:

