v1.1

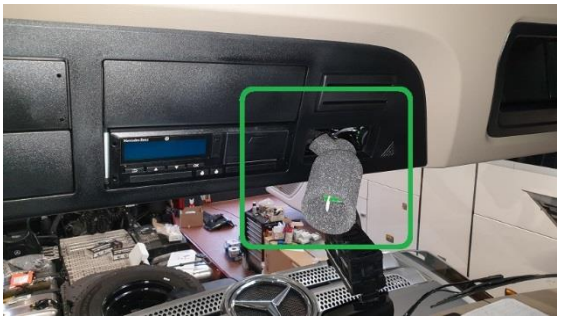
MB ACTROS (201. <)

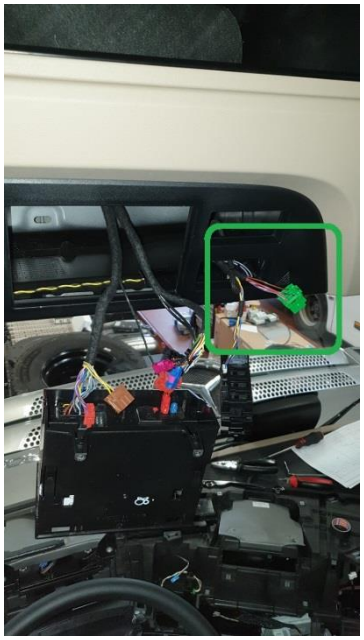
FMS and tachograph connection

Mercedes-Benz

FMS connection

- **Location of body connector FMS X167.1 (behind the tachograph):**





- **FMS connector connection:**

FMS connector X167.1 – 12pin				
Position FMS	**Position FMS**	**Position FMS**	**Unit cabling**	**Cabling color**
1	31 GND (-)	**brown**	**(pin 3)** GND	**brown**
6	CAN_High	**violet**	**(pin 32) CAN0_H**	**orange/black**
9	CAN_Low	**brown/white**	**(pin 31) CAN0_L**	**orange/brown**
10	15 IGN (+)	**black/blue**	**(pin 12)** ING	**black/gray**
12	30 PWR (+)	**red/blue**	**(pin 1)** PWR_IN	**red**

Manufacturer of connectors and pins: *TE CONNECTIVITY,* ***connectorr:*** *FLA-STE-GEH2,8 12P,* ***pin:*** *TAB 2.8x0.8 CONTACT CF SR*

PRINCIP a.s.
Member of W.A.G. payment solutions, a.s.
Hvězdova 1689/2a, 140 00 Prague 4, Czech Republic

Tachograph connection

For the MB ACTROS, the CAN of the tachograph can be directly on the **X167.1** body FMS connector (positions 6 and 9, as well as the FMS connection), **but it depends on the settings and equipment of the vehicle**.

If the CAN tachograph is not on the body FMS connector **(can be tested via web diagnostics: CAN0 → FMS + Tachograph download test)**, it is necessary to connect directly to the tachograph, connector **„C“**.

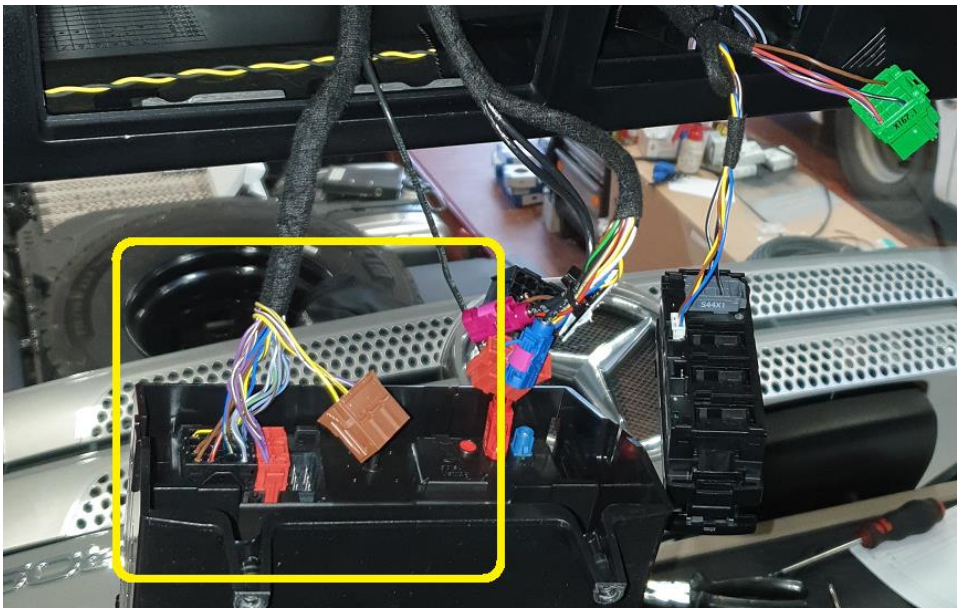
Infoline (AETR) is always connected to connector **„D“** position **„8“**.

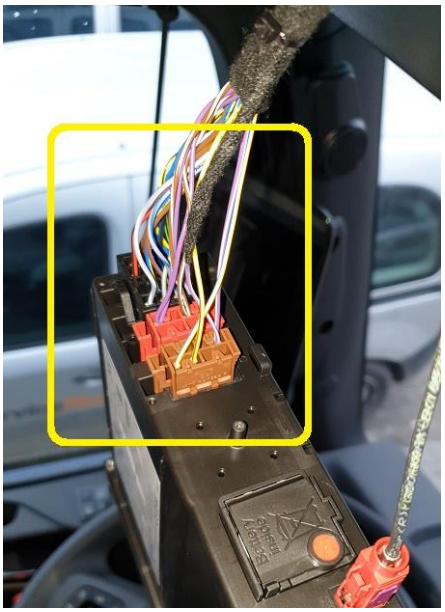
- **Connection in case of CAN tachograph availability in FMS connector:**

Tachograph connection - connector „FMS“ and „D“			
Position	**Position name**	**Unit cabling**	**Cabling color**
TACHO D8	Infoline, AETR	**(pin 22)** UAR	violet/white
FMS 6	CAN_High	**(pin 30) CAN1_H**	orange/green
FMS 9	CAN_Low	**(pin 29) CAN1_L**	orange/brown

If the CAN tachograph is not in the FMS body connector, it is necessary to connect it directly to the tachograph connector **„C“** and **„D“**.

- **Connection directly to the tachograph, connector „C“ and „D“:**

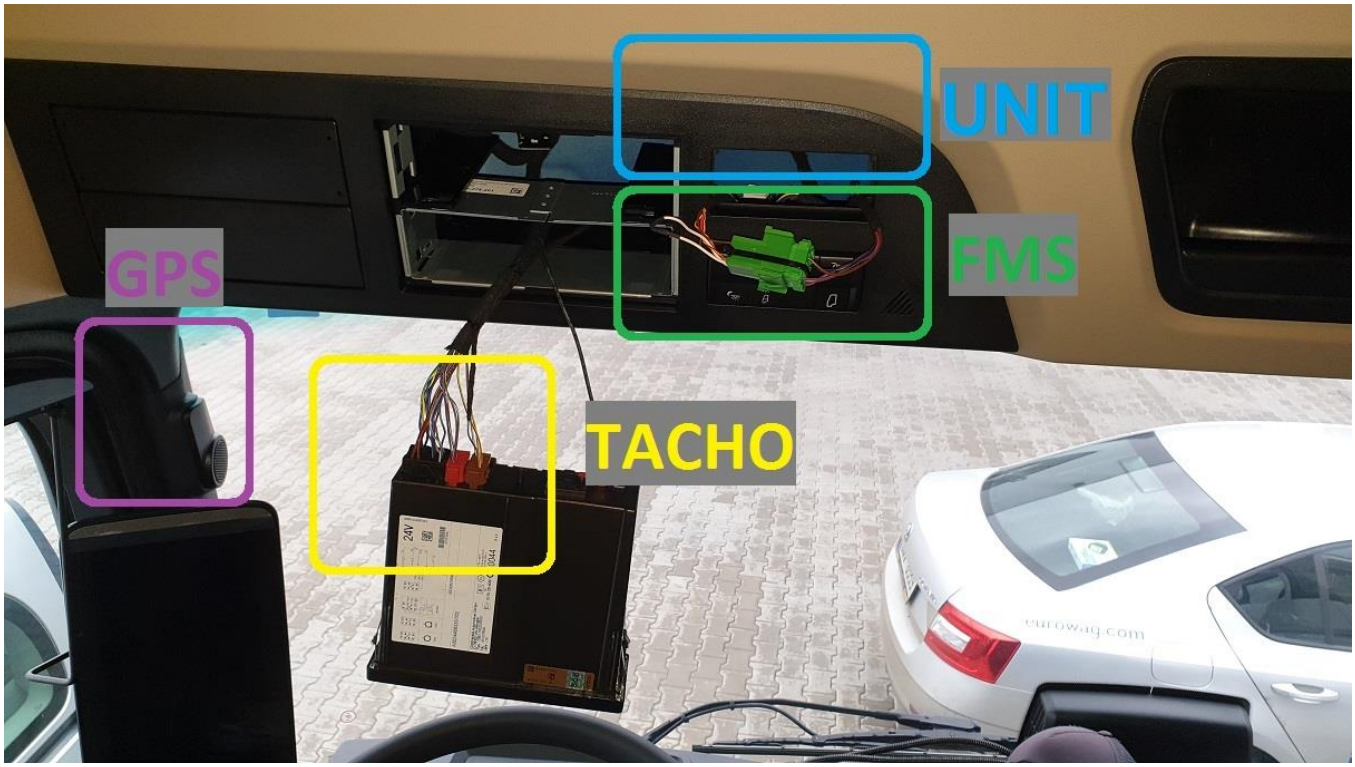




PRINCIP a.s.
Member of W.A.G. payment solutions, a.s.
Hvězdova 1689/2a, 140 00 Prague 4, Czech Republic

Tachograph connection - connector „C“ and „D“			
Position TACHO	**Position name**	**Unit cabling**	**Cabling color**
D8	Infoline, AETR	**(pin 22)** UAR	violet/white
C5	CAN_High	**(pin 30) CAN1_H**	orange/green
C7 and C8	CAN_Low	**(pin 29) CAN1_L**	orange/brown

Complete connection



Then it is necessary to perform settings and diagnostics on:

diag.princip.cz