# OBD2 Harness

Standard OBD2 Harness
PSA OBD2 Harness

Install GPS trackers faster and easier with **OBD2 Harness**.

**OBD2 Harness** is used to install FM-Tco4 LCV trackers to light commercial vehicles. CANbus data reading is available using OBD2 harness. Connection via OBD2 can be also used as a power source.

**OBD2 Harness** is available in Standard and PSA versions. The PSA version is used to install GPS trackers into Peugeot and Citroen vehicles.

## Key Features

- **Faster and easier installation**
- **Professional installation**
- **Minimize risk of faulty installations**

## Compatibility

| | | |
|---|---|---|
| ⊘ FM-Tco4 HCV | ✔ FM-Tco4 LCV | ⊘ FM-Pro4 |
| ⊘ FM-Eco4 | ⊘ FM-Eco4 S | ⊘ FM-Plug4 |

# Detailed specifications

| | Standard OBD2 Harness | PSA OBD2 Harness |
|---|---|---|
| **Environmental specifications** | | |
| **Temperature range** | -35 to +75 °C | |
| **Electrical specifications** | | |
| **Voltage range** | Up to 32 V DC | |
| **Physical properties** | | |
| **Connector type** | OBD2 (Type B 24V, 16 pin) | |
| **CAN interfaces** | 1 | 2 |
| **Wire cross sectional area** | 0.5 mm² (20 AWG) | |
| **Cable length** | 1 m | |
| **Accessory wire length** | 0.5 m | |

## Standard OBD2 Harness Pinout
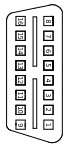
### OBD2 connector

| Pin | Wire color | Function |
|---|---|---|
| 4 | Black | Ground |
| 5 | Grey | Version detection |
| 6 | White/Red | CAN High |
| 7 | Brown | K-Line |
| 7 | Green | L-Line |
| 14 | Blue/Red | CAN Low |
| 16 | Red | Power supply |
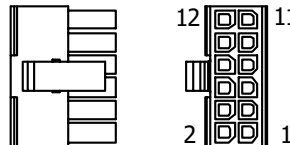
### 12 pin connector

| Pin | Wire color | Function |
|---|---|---|
| 1 | Red | Power supply |
| 2 | Black | Ground |
| 3 | Pink | DIN1 |
| 4 | Grey | AIN1 /Version detection |
| 5 | Blue | DIN2 |
| 6 | Green | AIN2 |
| 7 | White | DIN3 |
| 8 | Purple | DOUT1 |
| 9 | Yellow | DIN4 |
| 10 | Orange | DOUT2 |
| 11 | Blue/Red | CAN Low |
| 12 | White/Red | CAN High |
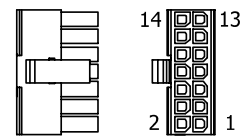
### 14 pin connector

| Pin | Wire color | Function |
|---|---|---|
| 1 | Yellow | PortB-232 RX |
| 2 | Black | Ground |
| 3 | Orange | PortB-232 TX |
| 4 | Red | 1-Wire power |
| 5 | Purple | PortA-232 RX |
| 6 | Green/Yellow | 1-Wire data |
| 7 | Pink | PortA-232 TX |
| 8 | White | CAN High |
| 9 | Green | L-Line |
| 10 | Blue | CAN Low |
| 11 | Brown | K-Line |
| 12 | Black | Ground |
| 13 | White/Red | RS-485 A |
| 14 | Yellow/Brown | RS-485 B |

# Detailed specifications

## PSA OBD2 Harness Pinout
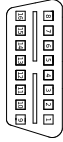
### OBD2 connector

| Pin | Wire color | Function |
|-----|-----------|----------|
| 1 | Yellow | Ignition |
| 3 | White | CAN1 High |
| 4 | Black | Ground |
| 5 | Grey | Version detection |
| 6 | White/Red | CAN2 High |
| 7 | Brown | K-Line |
| 7 | Green | L-Line |
| 8 | Blue | CAN1 Low |
| 14 | Blue/Red | CAN2 Low |
| 16 | Red | Power supply |
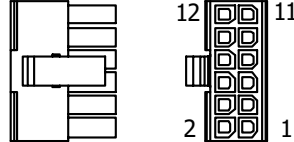
### 12 pin connector

| Pin | Wire color | Function |
|-----|-----------|----------|
| 1 | Red | Power supply |
| 2 | Black | Ground |
| 3 | Pink | DIN1 |
| 4 | Grey | AIN1 /Version detection |
| 5 | Blue | DIN2 |
| 6 | Green | AIN2 |
| 7 | White | DIN3 |
| 8 | Purple | DOUT1 |
| 9 | Yellow | DIN4/ Ignition |
| 10 | Orange | DOUT2 |
| 11 | Blue/Red | CAN Low |
| 12 | White/Red | CAN High |
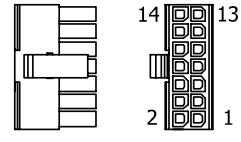
### 14 pin connector

| Pin | Wire color | Function |
|-----|-----------|----------|
| 1 | Yellow | PortB-232 RX |
| 2 | Black | Ground |
| 3 | Orange | PortB-232 TX |
| 4 | Red | 1-Wire power |
| 5 | Purple | PortA-232 RX |
| 6 | Green/Yellow | 1-Wire data |
| 7 | Pink | PortA-232 TX |
| 8 | White | CAN High |
| 9 | Green | L-Line |
| 10 | Blue | CAN Low |
| 11 | Brown | K-Line |
| 12 | Black | Ground |
| 13 | White/Red | RS-485 A |
| 14 | Yellow/Brown | RS-485 B |

# Ordering information

| Standard OBD2 Harness | OBD2 harness for installation into light vehicles |
|-----------------------|---------------------------------------------------|
| **PSA OBD2 Harness** | OBD2 harness for installation into Peugeot and Citroen light vehicles |