

SAE J-Bus (J1939/J1708/J1587) Cable with DB9 Female Connector for GW1

(Part#: CBL-GW1-03GD)

Rev. A
July 2022

The cable (part #: CBL-GW1-03GD) equipped with two SAE J-Bus connectors and one DB9 female connector dedicated for Au GW1 devices.

One of the J-Bus connector is a 9-way green color round threaded plug (part #: AHD16-9-1939S8R). It can be connected to any vehicles (e.g. trucks and school buses) equipped with 9 pin diagnostic connectors. Power, Ground, CAN_H, CAN_L, J1708+ and J1708- are connected from / to the vehicle via this green Deutsch connector. Both J1939-11 250K network and J1939-14 500K network are compatible.

The other of the J-Bus connector is a 6-way Round threaded Plug (HD16-6-12S-B010). It can be connected with aged trucks which only equipped with J1708/J1587 networks.

DB9 female connector, which is designed for connecting with Au Gateway 1(GW1) devices. It will supply power, ground, CAN_H, CAN_L, J1708+ and J1708- connection to Au GW1 devices.



Compatible Devices:

CBL-GW1-03GD is compatible to the following Au GW1 devices:

Table 1

| Compatible Devices | Part # |
|--------------------------------------|--|
| J1939 to pluse Gateway | GW1- J1939-001, GW1-J1939-002, GW1-J1939-003 |
| J1708 to pluse Gateway | GW1-J1708-001, GW1-J1708-002, GW1-J1708-003 |
| OBD2 to pluse Gateway | GW1-OBD2-001, GW1-OBD2-002, GW1-OBD2-003 |
| J1939, J1708, OBDII to pluse Gateway | GW1-COMBO-001, GW1-COMBO-002, GW1-COMBO-003 |

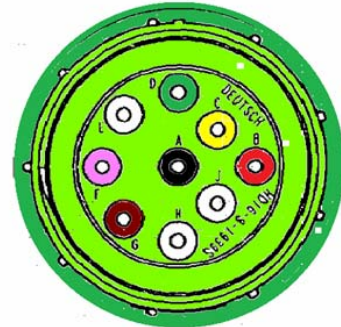
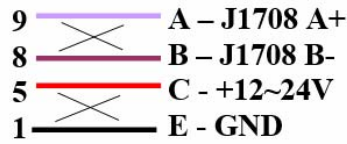
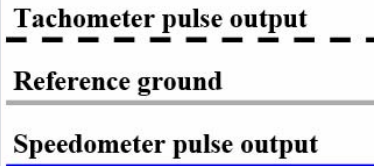
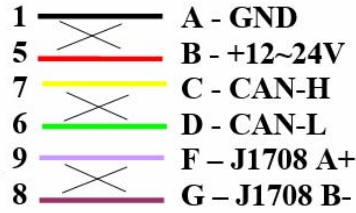
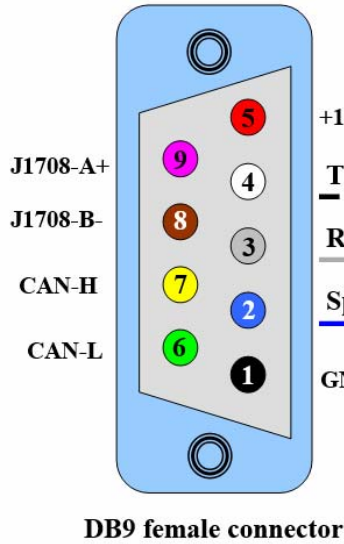
Pin out and wire diagram of CBL-GW1-03GD:

The relative pin-number, color-coding and signal definition of each wire is listed in Table 2.

Table 2

| Pin # On DB9 | Color Code | Signal Definition | Pin # on 9-way green round threaded plug | Pin # on 6-way grey round threaded plug |
|--------------|------------|--------------------------|--|---|
| 1 | Black | GND | A | E |
| 2 | Blue | Speedometer pulse output | | |
| 3 | Grey | Reference Ground | | |
| 4 | White | Tachometer pulse output | | |
| 5 | Red | +12V ~+ 24V | B | C |
| 6 | Green | CAN-L | D | |
| 7 | Yellow | CAN-H | C | |
| 8 | Brown | J1708-B- | G | B |
| 9 | Purple | J1708-A+ | F | A |

CBL-GW1-03GD Pin-Out



9-way round threaded plug (Green)



6-way Round threaded Plug (Grey)

Nominal cable length: 2 feet.