

Features

- Connector SAE-J1939 or SAE-J1708
- Deutsch waterproof connectors
- Resistant to oil, fuel etc.

Description

The CBLHDx connects ISAAC Instruments Recorder to the data bus of the vehicles equipped with a 6 or 9 contacts diagnostic connector (SAE-J1708 or SAE-J1939). A connection is also available to provide power to ISAAC Instruments' Recorder.

The CBLHDx-xxx-Yxx allows connecting the Recorder to the vehicle data bus while leaving one diagnostic plug available for other diagnostic tools.

Different models for different applications:

Part Number	Length	Description
CBLHD6-101-005	5'	1x power, 1x J1708
CBLHD6-101-012	12'	1x power, 1x J1708
CBLHD6-101-Y05	5'	1x power, 1x J1708 1x plug diagnostic (extension)
CBLHD9-101-Y05-CAT	5'	1x power, 1x J1939 (for CAT engine)
CBLHD9-111-005	5'	1x power, 1x J1939, 1xJ1708
CBLHD9-111-012	12'	1x power, 1x J1939, 1xJ1708
CBLHD9-111-Y05	5'	1x power, 1x J1939, 1xJ1708 1x plug diagnostic (extension)
CBLHD9-011-005	5'	1x power, 1x J1939
CBLHD9-011-012	12'	1x power, 1x J1939
CBLHD9-101-005	5'	1x power, 1x J1708
CBLHD9-101-012	12'	1x power, 1x J1708

Installation

- Connect the diagnostic receptacle to the vehicle diagnostic plug (usually mounted under the dashboard – at the driver's side)

Or

In the case of CBLHDx-xxx-Y01, detach the diagnostic plug on the vehicle and replace it with diagnostic plug of the CBLHDx-xxx-Y01. Connect the diagnostic receptacle of the CBLHDx-xxx-Y01 to the plug that was originally on the vehicle. Hide this connection under the dashboard

- Do not bend cable with curvature radius smaller than 40mm (1.60")
- Route the cables at least 20cm (8") away from high interference electrical devices, such as: ignition coils, plug leads, high-current leads, high emission electronic modules or antennas



CBLHD6-101-005



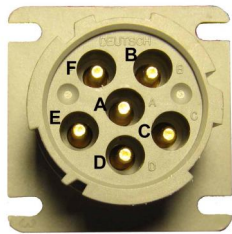
CBLHD9-011-005



CBLHD9-111-Y05

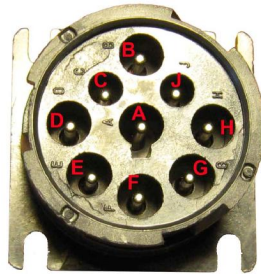
- Verify that the cable is not pinched or stretched by moving parts
- Connect the connector labeled CAN to the Recorder CANx port. (in the case of J1708, connect to the J1708 of the Recorder)
- Connect the connector labeled PWS to the Recorder PWS port.

Pinouts of the diagnostic connector



6 contacts diagnostic connector (CBLHD6)

#	Signal
A	J1708(+)
B	J1708(-)
C	V+
E	GND



9 contacts diagnostic connector (CBLHD9)

#	Signal
A	GND
B	V+
C	J1939(+)
D	J1939(-)
E	J1939 SHD
F	J1708(+)
G	J1708(-)

Specifications

Description	Symbol	Min	Typ	Max	Unit
Cable characteristics Gauge Insulation Dielectric strength		16 AWG extruded Ethylene-TetraFluorEthylene (ETFE) Min. 1500V RMS			
Connector Operating Temperature Cable Operating Temperature	T _{Oper}	-30 (-22) -55 (-67)		85 (185) 150 (302)	C (F)