



VOLVO CONSTRUCTION EQUIPMENT INSTALLATION INSTRUCTION

Edition A	Language English	Operation no. 370-903	Issuer CEX	Date 2026-09-03	Page 1/4
Kit no.				Option no.	
Applies to models EC65F, ECR90F, EW65F					

CAN bus interface for EU Data Act Direct Access

Introduction

Read and understand the safety instructions in the Operator's Manual and Service Information for the machine.

The Installation Instruction is based on the use of special tools, E-tools and standard tools generally available.

Regarding bolted joints which are not listed here, see "Volvo standard tightening torques".

Volvo Construction Equipment will not accept any responsibility if any lifting devices, tools or working methods are used other than those described in this publication.

Volvo works with continuous improvement of the machine's environmental performance.

Description

The machine CAN bus interface can be used when it is necessary to send information from machine in a machine-readable format. This is a one-way communication from the machine.

- 1 Make sure the battery disconnect switch is switched off.

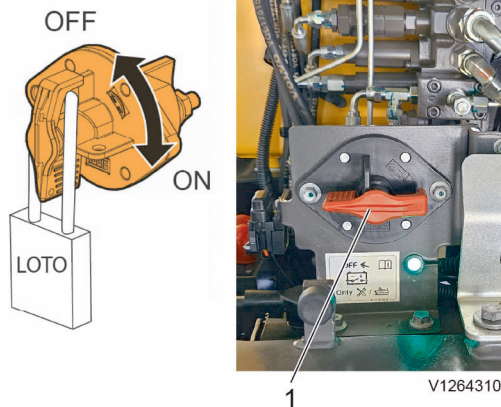


Fig.1

- 1 Battery disconnect switch

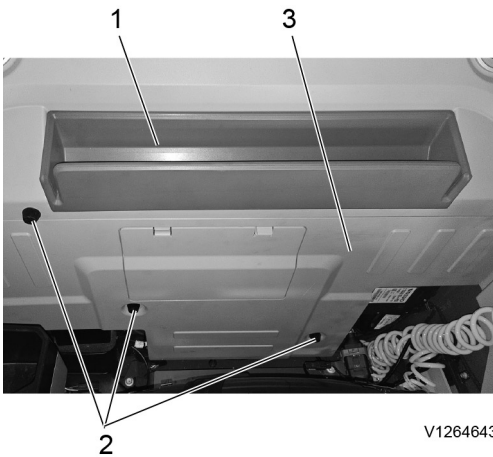


Fig.2

- 1 Rubber mat
- 2 Screw
- 3 Cover

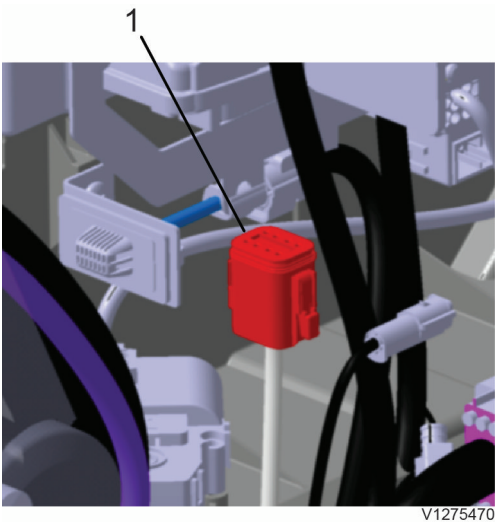
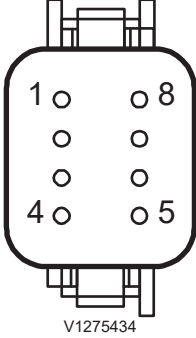


Fig.3

- 1 8-pin connector

2 Remove the rear cover.

3 Connect the external device to the 8-pin connector on the cab cable harness.

		DT04-8PA-CE02	
		PIN	FUNCTION
8P		1	INT KEY
		2	INT BAT+
		3	INT CAN LOW
		4	INT GND
DT P/N	DT06-8SA-CE10	5	INT GND
VOLVO P/N	874091	6	INT CAN HIGH
WEDGE	W8S-P012	7	INT BAT+
VOLVO P/N	874110	8	NC

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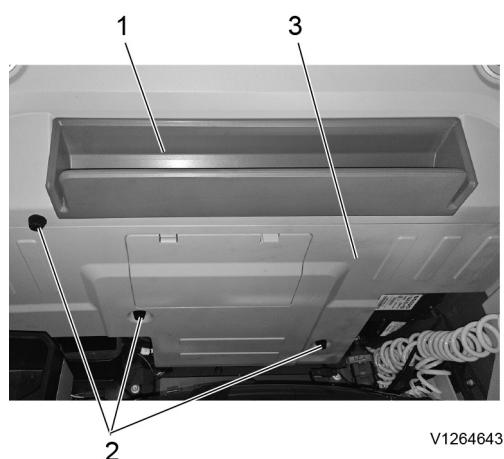


Fig.4

- 1 Rubber mat
- 2 Screw
- 3 Cover

4 Reinstall the rear cover.

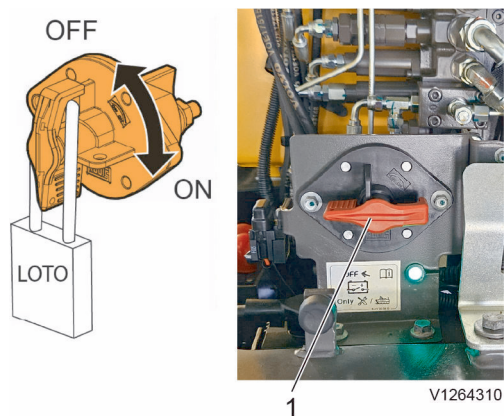


Fig.5

- 1 Battery disconnect switch

5 Turn on the battery disconnect switch.

6 Turn on the ignition.

7 Data is available.

CAN Signal Description

Signal Name	Cycle Time (ms)	29-bit ID	Start bit	Length (bit)	Factor	Offset	Min	Max	Unit
EngineSpeed_Gy	100	0x18FF37D9	0	16	0.125	0	0	8192	rpm
EngineFuelRate_Gy			16	8	1	0	0	125	%
ErrorLEDstatus_Gy			24	2	1	0	0	3	deg
FuelLevel_Gy			26	7	1	0	0	127	%
TotalVehicleHours_Gy	100	0x18FF38D9	0	32	0.05	0	0	214748365	hr
EngineTotalFuelConsumed_Gy			32	32	1	0	0	4.295E+09	litre

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Signal Name	Cycle Time (ms)	29-bit ID	Start bit	Length (bit)	Factor	Offset	Min	Max	Unit
SecondsUTC_BB2_Gy	100	0x18FF39D9	0	8	0.25	0	0	63.75	Seconds
MinutesUTC_BB2_Gy			8	8	1	0	0	255	Minutes
HoursUTC_BB2_Gy			16	8	1	0	0	255	Hours
MonthUTC_BB2_Gy			24	8	1	0	0	255	Month
DayUTC_BB2_Gy			32	8	0.25	0	0	63.75	Days
YearUTC_BB2_gy			40	8	1	1985	0	2240	Years
GPSTData_Latitude_ISig_9	1000	0x18FEF362	0	32	0.0000001	-210	-210	219.49673	deg
GPSTData_Longitude_ISig_9			32	32	0.0000001	-210	-210	219.49673	deg