



INSTALLATION INSTRUCTION

Edition A	Language English	Operation no. 370-903	Issuer WLO	Date 2026-08-31	Page 1/5
Kit no.				Option no.	
Applies to models JL120H, JL120HZ, L110H, L120H, L350H, L60H, L70H, L90H					

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".

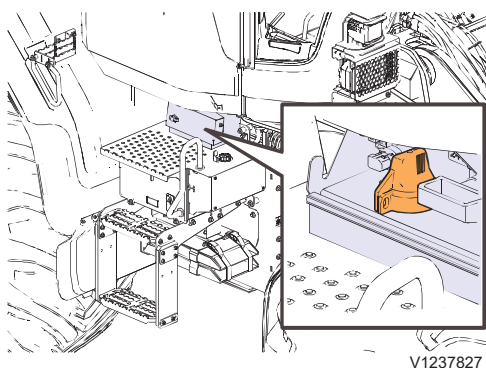
Volvo Construction Equipment will not accept any responsibility if any lifting devices, tools or working methods are used other than those described in this publication.

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.

Edition A	Language English	Operation no. 370-903	Issuer WLO	Date 2026-08-31	Page 2/5
Kit no.				Option no.	



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

Fig.1 L60H, L70H, L90H, L110H, L120H, JL120H, JL120HZ

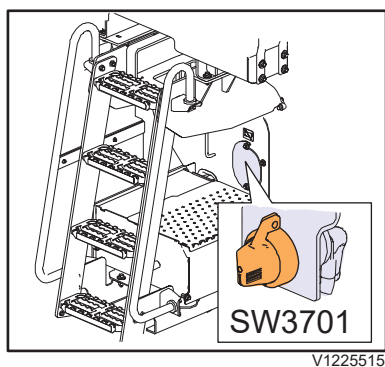


Fig.2 L350H

- 2 Open the lid on the right-side panel.

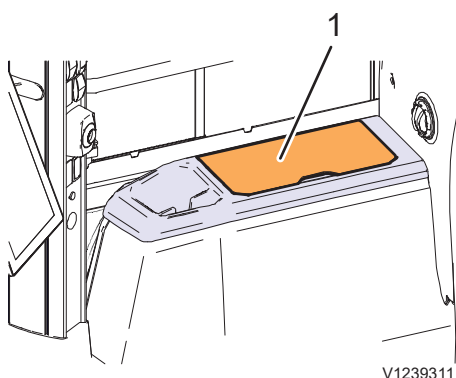
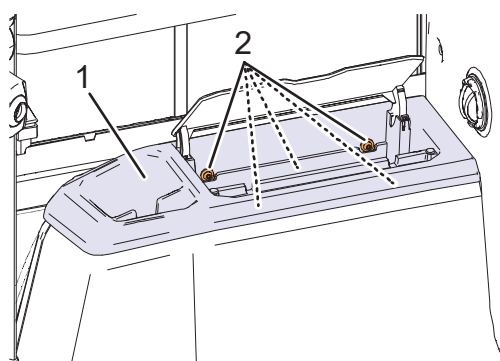


Fig.3

- 1 Lid

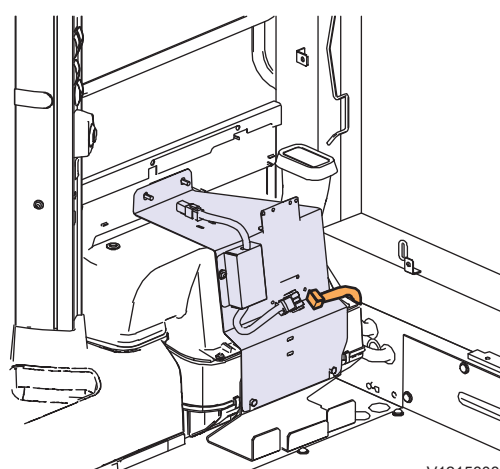


V1239312

Fig.4

- 1 Glove compartment
- 2 Screws

- 3 Remove the screws holding the glove compartment.
Remove the glove compartment.



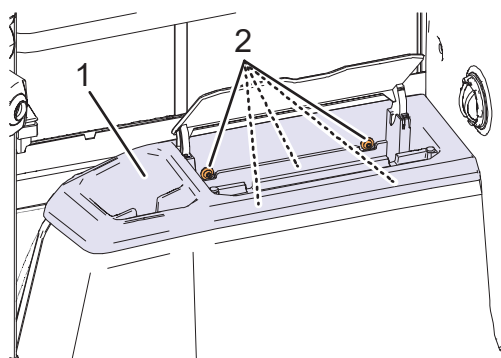
V1215808

Fig.5 Connector

- 4 Connect the external device to the 8-pin connector on the cab cable harness.
CAN bus interface connector (DT06-08SA-CE10) pinout:

Pin 3	CANL
Pin 6	CANH

Mating connector (for the user): DT04-08PA-CE02



V1239312

Fig.6

- 1 Glove compartment
- 2 Screws

- 5 Reinstall the glove compartment.
- 6 Turn on the battery disconnect switch.
- 7 Turn on the ignition.
- 8 Data is available.

CAN Signal Description

Edition A	Language English	Operation no. 370-903	Issuer WLO	Date 2026-08-31	Page 4/5
Kit no.				Option no.	

Table 1. L60H — L350H

Messa ge Name	CycleTime(ms)	29-bit ID	Startbi t	Len ^g th(bit)	Signal names	Scalin g	Offse t	Description	Unit
CCVS	100	0x18FEF191	2	2	Parking brake switch			0 -> Parking brake released, 1 -> Parking brake engaged	Parking brake status
			8	16	Wheel Based Speed	0.00390625	0		kmph
VEP1	1000	0x18FEF7D8	32	16	Battery Potential	0.05	0	Battery voltage, 24V system	Voltage
HOURS	1000	0x18FEE500	0	32	Engine Total Hours Of Operation	0.05	0		Hours
VDHR	1000	0x18FEC1D8	0	32	High Resolution Total Vehicle Distance	5	0		Meter
AMB	1000	0x18FEF5D3	24	16	Ambient Air Temperature	0.03125	-273		Degree Celsius
ETC2	100	0x18F005D3	24	8	Current Gear	1	-125	0 -> Neutral >0 -> Forward <0 -> Reverse	Gear
DM1	1000	0x18FECAD3	2	2	Amber Warning Lamp			0 -> Not active, 1 -> Active	Check notification
			4	2	Red Stop Lamp			0 -> Not active, 1 -> Active	Warning notification
TD	1000	0x18FEE6D8	0	8	Seconds	0.25	0		Seconds
			8	8	Minutes	1	0		Minutes
			16	8	Hours	1	0		Hours
			24	8	Month	1	0		Month
			32	8	Day	0.25	0		Day
			40	8	Year	1	1985		Year
EEC1	20	0xCF00400	24	16	Engine Speed	0.125	0		rpm
LFE	100	0x18FEF200	0	16	Fuel Rate	0.05	0		Liter/hour

Edition A	Language English	Operation no. 370-903	Issuer WLO	Date 2026-08-31	Page 5/5
Kit no.				Option no.	

Messa ge Name	CycleTime(ms)	29-bit ID	Startbi t	Lengt h(bit)	Signal names	Scalin g	Offse t	Description	Unit
DD1	1000	0x18FEF CD8	8	8	Fuel Level 1	0.4	0		Percent
At1T1I	1000	0x18FE56 D3	0	8	Aftertreatment 1 Diesel Exhaust FluidTank 1 Level	0.4	0		Percent

Table 2. JL120H

Message name	Cycle Time (ms)	29-bit ID	Start bit	Lengt h (bit)	Signal names	Scaling	Offset
Detected Ambient Temperature	1000	0x18FEF5D 2	24	16	FMS_AmbientTemperature	0.03125	-273
Charging Status to TGW	1000	0x18FEB8D 2			FMS_HVChargingStatus		
Remaining Charging Time	1000	0x18FA60D 2	24	16	FMS_HVTimeToCharge	10	
BMS SOC	1000	0x18FCB7D 2	0	16	FMS_HVStateOfCharge	0.0025	
System Voltage	1000	0x18FEF7D 2	16	16	FMS_V24BatteryVoltage	0.05	
Actual Gear	100	0x18F005D2	24	8	FMS_ActiveGear	1	-125
Machine Hours	1000	0x18FEE5D 2	0	32	FMS_MachineHours	0.05	
Machine Speed	100	0x18FEF1D 2	8	16	FMS_MachineSpeed	0.003906 25	
Parking Brake State	100	0x18FEF1D 2	2	2	FMS_ParkingBrakeEngaged		
UTC Time	1000	0x18FEE6D 2	0	8	FMS_SecondsUTC_TD	0.25	
UTC Time	1000	0x18FEE6D 2	8	8	FMS_MinutesUTC_TD		
UTC Time	1000	0x18FEE6D 2	16	8	FMS_HoursUTC_TD		
UTC Time	1000	0x18FEE6D 2	24	8	FMS_DayUTC_TD	0.25	
UTC Time	1000	0x18FEE6D 2	32	8	FMS_MonthUTC_TD		
UTC Time	1000	0x18FEE6D 2	40	8	FMS_YearUTC_TD		1985
YellowTelltale	1000	0x18FECAD 2	2	2	FMS_YellowCentralCheckAct ive		
Red Telltale	1000	0x18FECAD 2	4	2	FMS_RedCentralWarningActi ve		