



INSTALLATION INSTRUCTION

Edition A	Language English	Operation no. 370-903	Issuer RHA	Date 2026-09-03	Page 1/6
Kit no.				Option no.	
Applies to models R60E, R60E 5, R70E 5					

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".

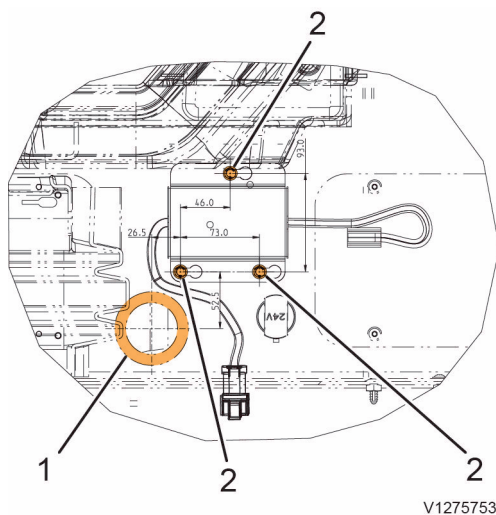
Volvo Construction Equipment will not accept any responsibility if any lifting devices, tools or working methods are used other than those described in this publication.

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.
- 2 Drill three 7mm holes as shown, measuring from the centerline of the grommet hole.

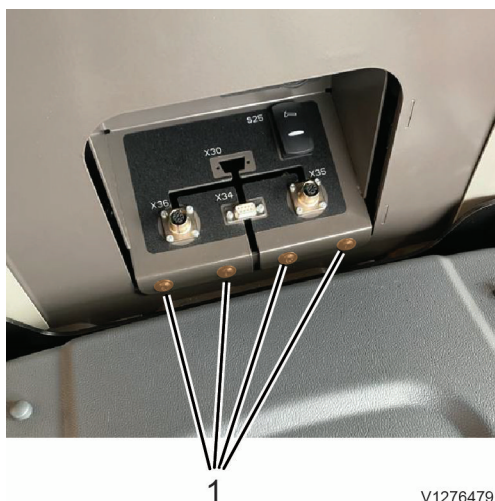


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Fig.1

- 1 Grommet hole
- 2 Hole positions

Edition A	Language English	Operation no. 370-903	Issuer RHA	Date 2026-09-03	Page 2/6
Kit no.				Option no.	

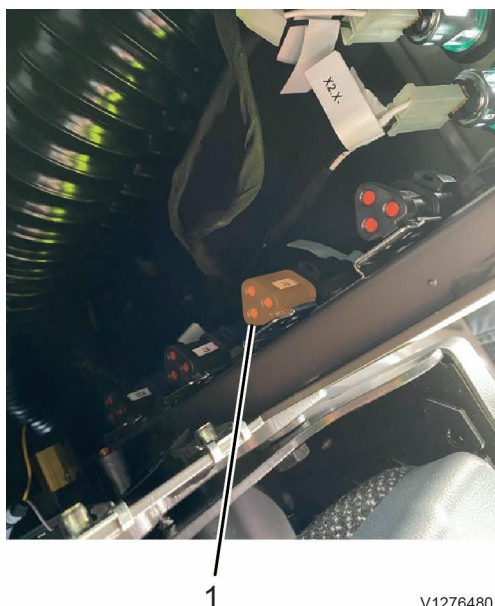


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Fig.2

1 Screws

- 3 Flip down passenger seat using toggle handle located on the RHS to access diagnostic plate.
Remove the 4 screws allowing access to termination resistors located behind.



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Fig.3

1 3-pin connector plug

- 4 Remove 3-Pin connector plug from R1 termination resistor. Connect X201 of new harness to existing R1.X plug of the cabin harness.
Route harness down the back side of the passenger seat into the fuse box.

Edition A	Language English	Operation no. 370-903	Issuer RHA	Date 2026-09-03	Page 3/6
Kit no.				Option no.	



Fig.4

1 Screws

- 5 Reset passenger seat back to its original position using toggle handle located on the RHS.
Remove the 4 screws allowing access to fuse board as shown.

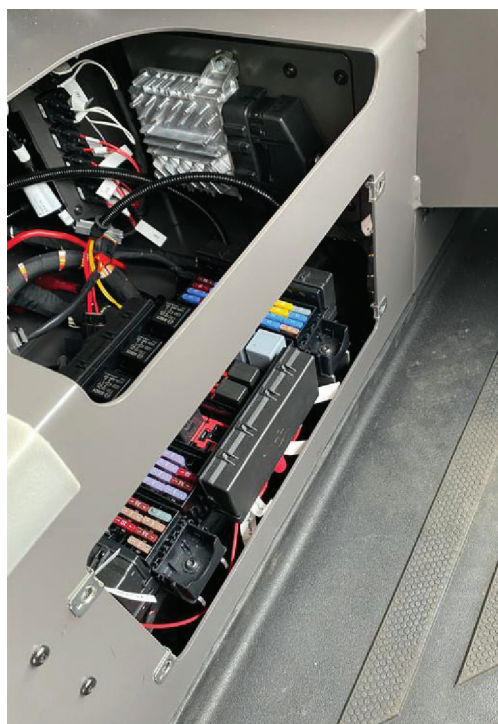
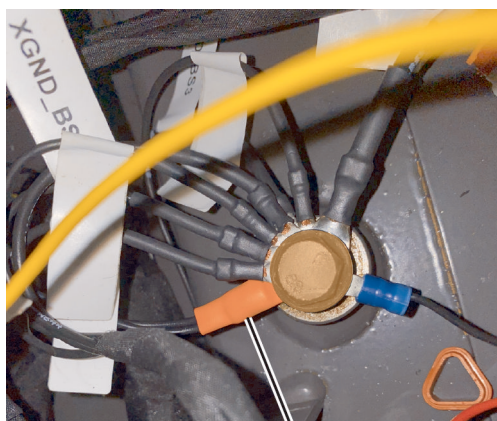


Fig.5

- 6 Using toggle handle located on RHS of passenger seat, lift passenger seat to the position shown, exposing, and allowing greater access to the fuse box.
Pull/ route wiring harness down and through from the back of the box, such that ring terminals XGND_BS6, X199, X200 are visible and position for ease of connection to busbars.

Edition A	Language English	Operation no. 370-903	Issuer RHA	Date 2026-09-03	Page 4/6
Kit no.				Option no.	



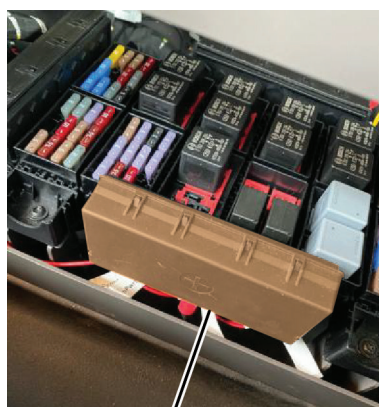
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- 7 Remove XGND_BS1 stud as shown - located behind the fuse box to the LHS of the main relay busbar as shown below. Connect new black cable eyelet XGND_BS6 from new harness and retighten securely

Fig.6

1 XGND_BS1



1

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- 8 Remove black cover from the Main Relay permanent supply busbar.

Fig.7

1 Main relay busbar cover



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- 9 Loosen nut from MainRlyBBar.1, add eyelet X199 from new harness to the busbar and retighten nut to secure. Replace busbar cover back to original state on completion ensuring clips are firmly secured

Fig.8

1 MainRlyBBar.1 nut

Edition A	Language English	Operation no. 370-903	Issuer RHA	Date 2026-09-03	Page 5/6
Kit no.				Option no.	

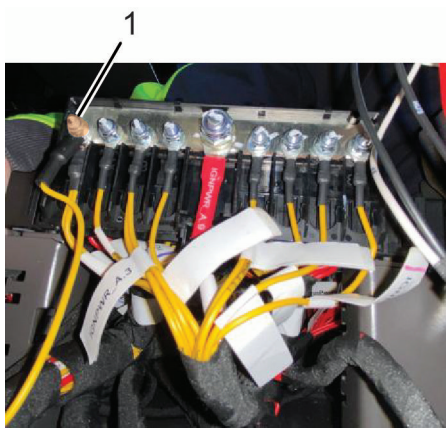


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Fig.9

1 Ignition supply A busbar cover

10 Remove black cover from Ignition supply A busbar.

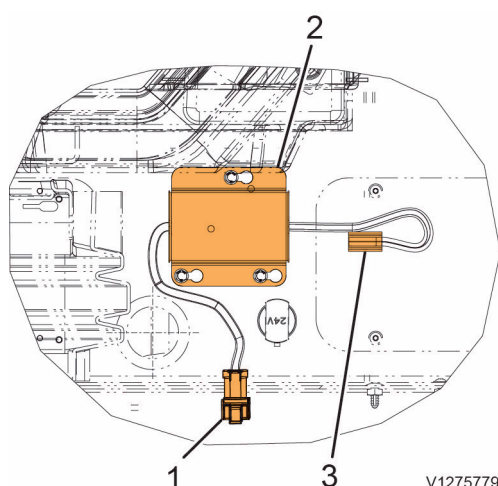


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Fig.10

1 IGNPWR_A.1 nut

11 Loosen nut from IGNPWR_A.1, add eyelet X200 from new harness to the busbar and retighten nut to secure. Replace busbar cover back to original state on completion ensuring clips are firmly secured.



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Fig.11

1 8-pin connector
2 Control box
3 6-pin connector

12 Fit control box to the previously drilled holes.

13 When 6-way connector is not in use, secure with tie wrap as detailed in installation drawing on previous sheet.

Edition A	Language English	Operation no. 370-903	Issuer RHA	Date 2026-09-03	Page 6/6
Kit no.				Option no.	



- 14 Connect 8-way Deutsch connector K93.X should be fed through large grommet on the center console behind the driver seat and connected to CAN interface module as shown.
- 15 Pass 8-way connector back through the grommet such that connectors are hidden.

Fig.12
1 8-pin connectors, connected

CAN Signal Description

Message name	Cycle Time (ms)	29-bit ID	Start bit	Length (bit)	Signal names	Scaling	Offset	Description	Unit
VP2	20	0x0CFF0227	32	16	Vehicle Speed	1	0		kph
Hours	1000	0x18FEE527	0	32	Machine Hours	0.05	0		Hours
MCU1	100	0x18FF2927	4	2	Body Position	1	0	0 - Body is up 1 - Body is not up 2 - Error 4 - Not available	
ETC2	1000	0x18F00527	32	8	Active Gear	1	-125	0 -> Neutral >0 -> Forward <0 -> Reverse	
LFE	100	0x18FEFC27	16	1	Fuel Consumption Total	0.05	0		L/Hr
EEC1	20	0x0CF00427	16	32	Engine Speed	0.125	0		rpm
DD	1000	0x18FEFC27	8	8	Fuel Level	1	0		