



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

Instruction No	Version	Part. No.
31454723	1.0	31439424

Towbar, hitch



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

Special tools

999 5919 PULLER (SEAL-PINION,CAM-CRANKSHAFT)B200-6304

Tool number:999 5919

Tool description:PULLER (SEAL-PINION,CAM-CRANKSHAFT)B200-6304

Tool boards:46

Materials

Designation

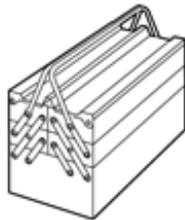
Part number

Masking tape

Rust inhibitor

Equipment

VIDA



IMG-242205

IMG-345497



IMG-239664

Nm
lbf.ft



IMG-239667



IMG-240693

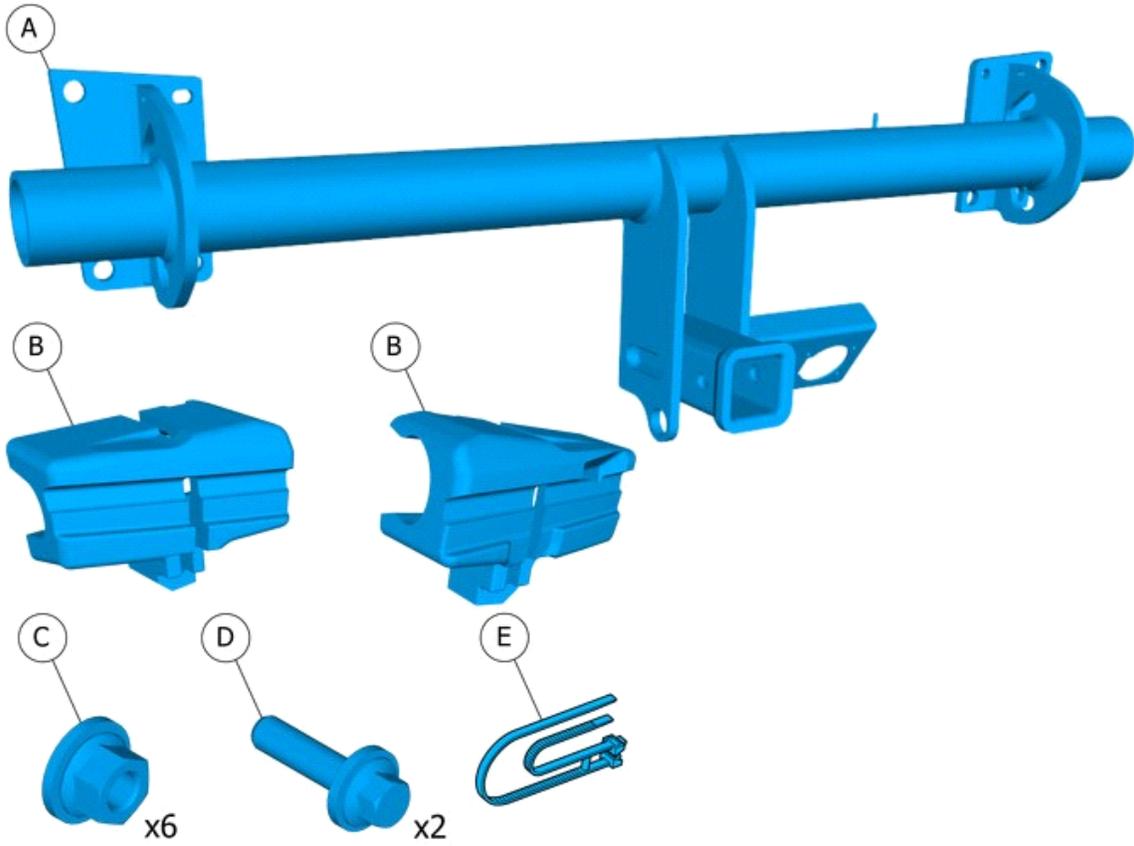


IMG-268803



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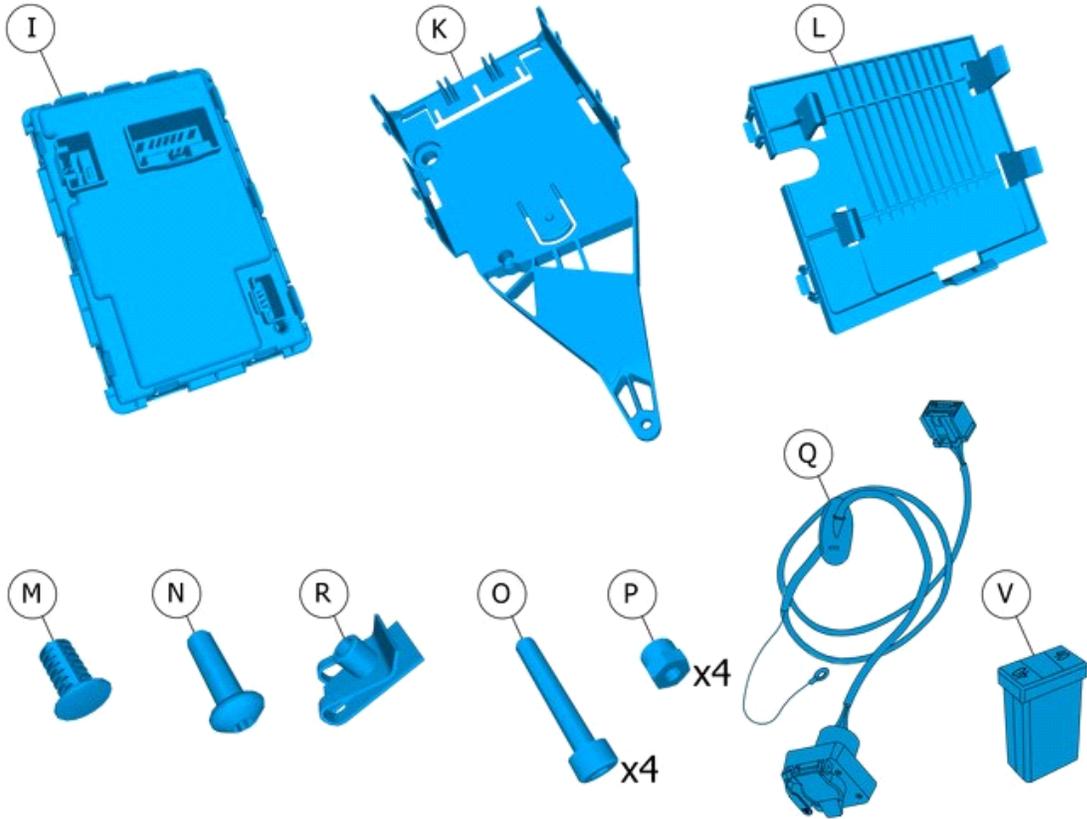


IMG-428348



Installation instructions, accessories

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IMG-428351



Installation instructions, accessories

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Information

1

Read through all of the instructions before starting installation.

Notifications and warning texts are for your safety and to minimise the risk of something breaking during installation.

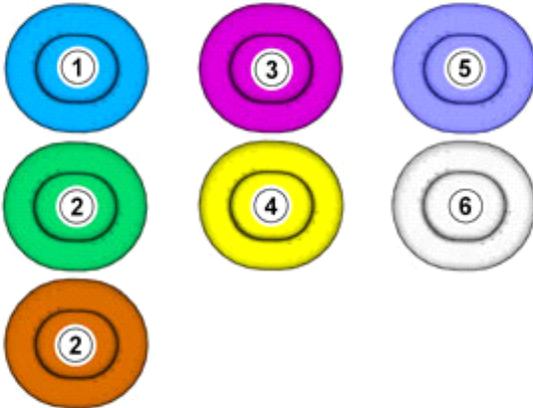
Ensure that all tools stated in the instructions are available before starting installation.

Certain steps in the instructions are only presented in the form of images. Explanatory text is also given for more complicated steps.

In the event of any problems with the instructions or the accessory, contact your local Volvo dealer.

Color symbols

2



IMG-363036

Note!

This colour chart displays (in colour print and electronic version) the importance of the different colours used in the images of the method steps.

- Used for focused component, the component with which you will do something.
- Used as extra colors when you need to show or differentiate additional parts.
- Used for attachments that are to be removed/installed. May be screws, clips, connectors, etc.
- Used when the component is not fully removed from the vehicle but only hung to the side.
- Used for standard tools and special tools.
- Used as background color for vehicle components.

Removal



Installation instructions, accessories

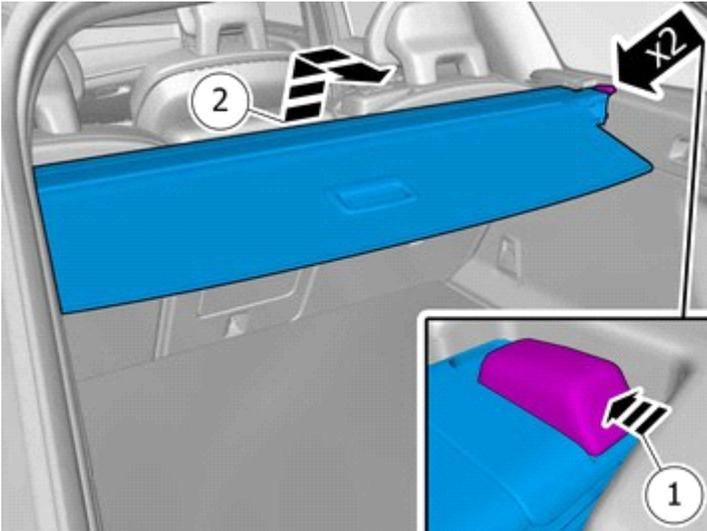
Volvo Car Corporation Gothenburg, Sweden

3



IMG-420155

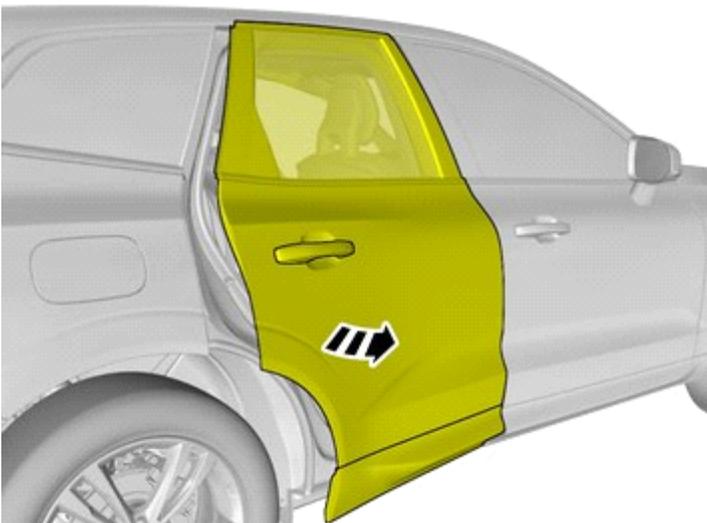
4



Remove the marked part.

IMG-414611

5



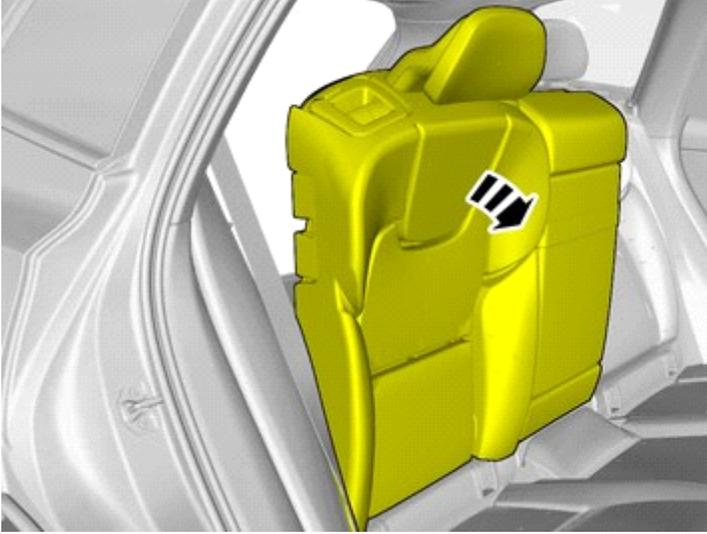
IMG-421070



Installation instructions, accessories

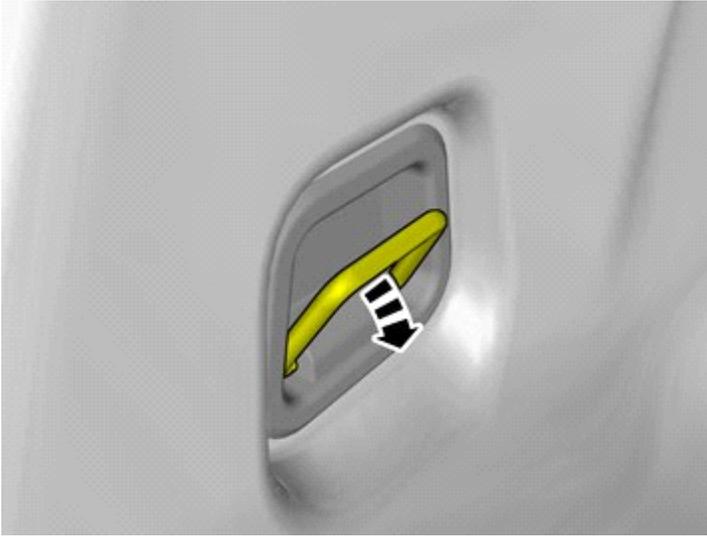
Volvo Car Corporation Gothenburg, Sweden

6



IMG-421142

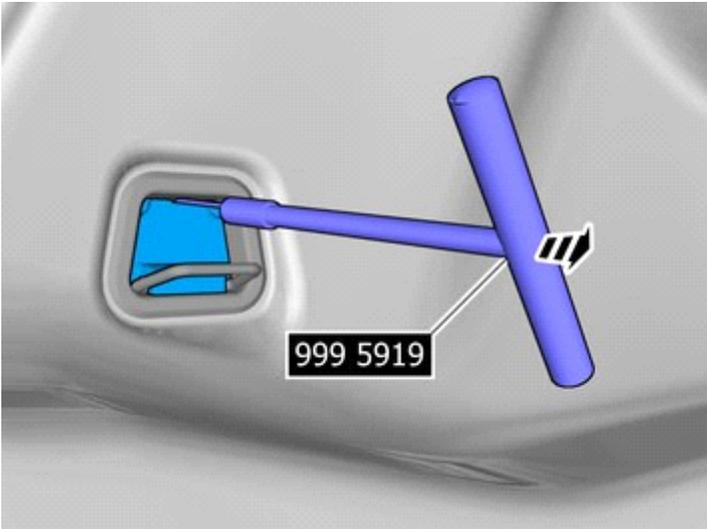
7



IMG-411349

Fold marked part to one side.

8



IMG-411350

Remove the marked part.

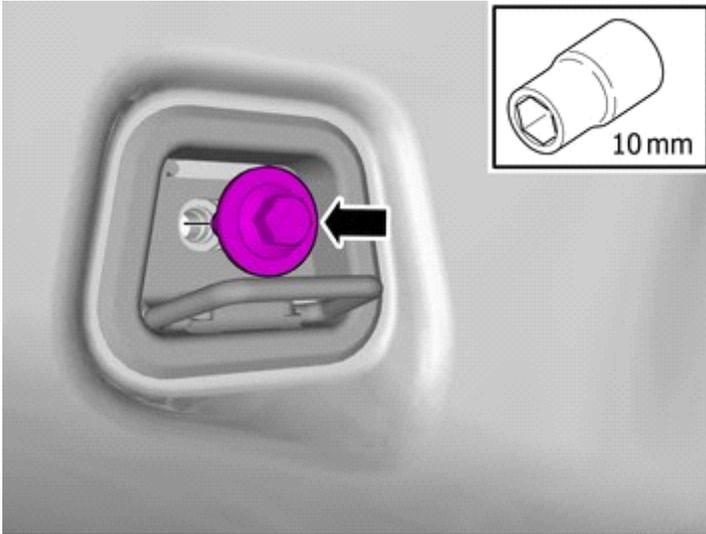
Use special tool: T9995919, PULLER (SEAL-PINION,CAM-CRANKSHAFT)B200-6304



Installation instructions, accessories

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9

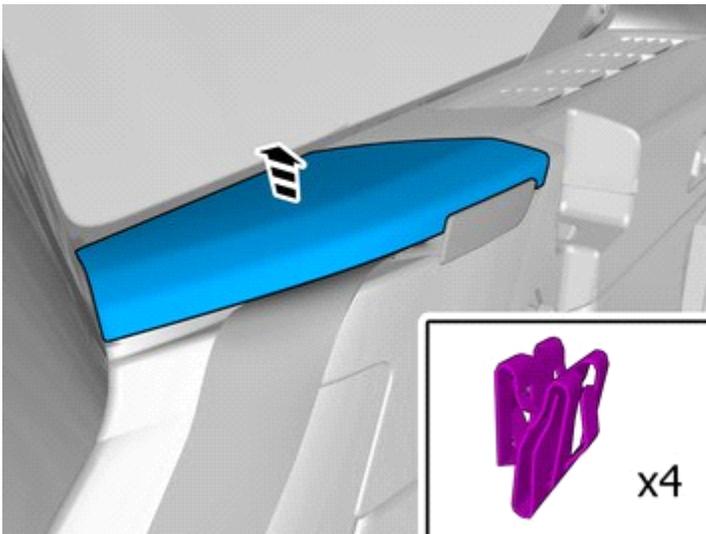


IMG-411351

Remove the screw.

Tightening torque: M8 , 24 Nm

10



IMG-414614

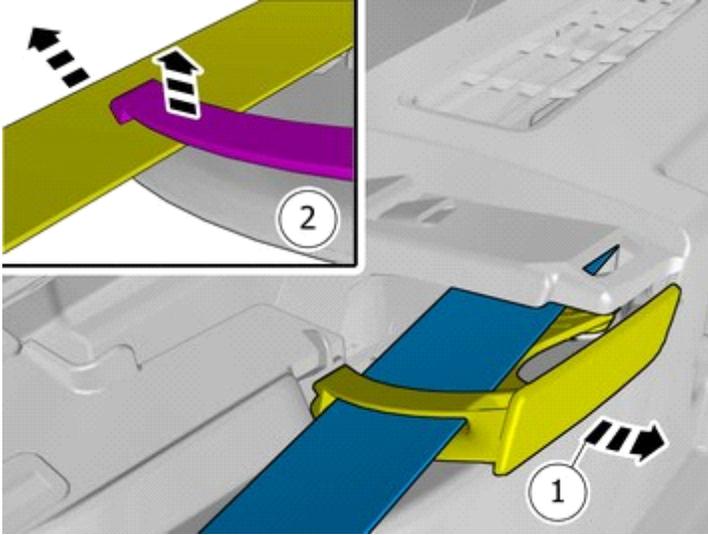
Remove the marked part.



Installation instructions, accessories

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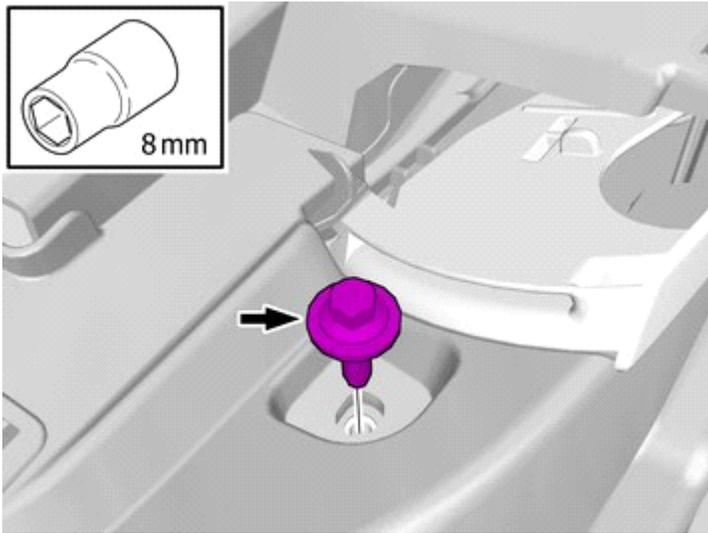
11



IMG-421173

Fold marked part to one side.

12

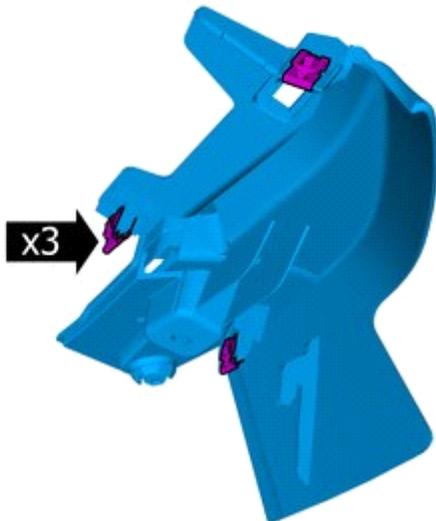


IMG-421174

Remove the screw.

Tightening torque: Seat belt guide, to Bracket , 4.4 Nm

13



IMG-415046

Note!

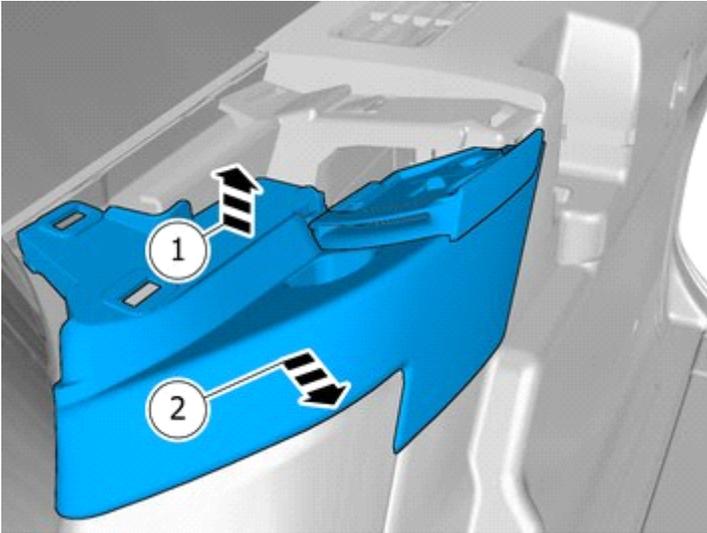
The graphic shows the back of the component before removal.



Installation instructions, accessories

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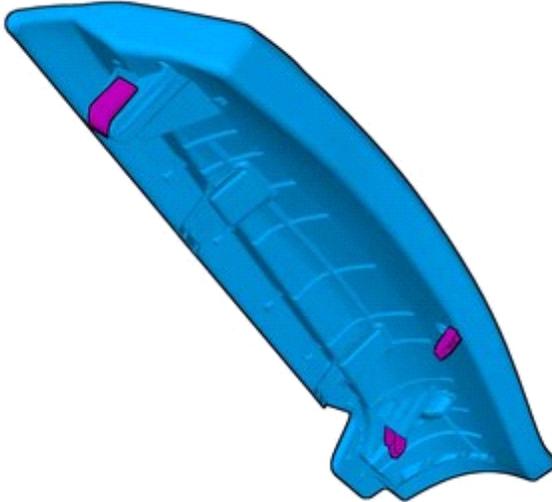
14



IMG-421175

Remove the marked part.

15

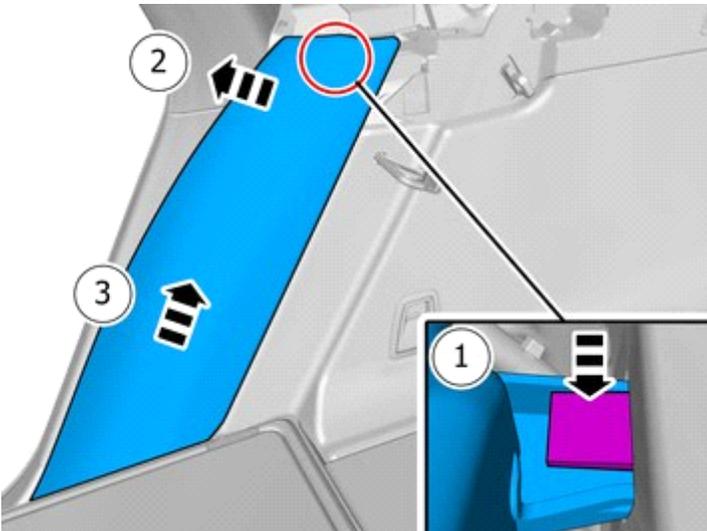


IMG-415048

Note!

The graphic shows the back of the component before removal.

16



IMG-415049

Release the catch.

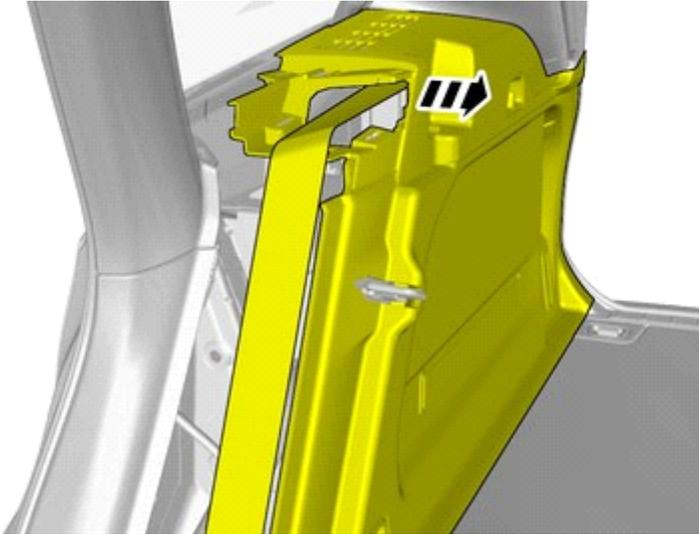
Remove the marked part.



Installation instructions, accessories

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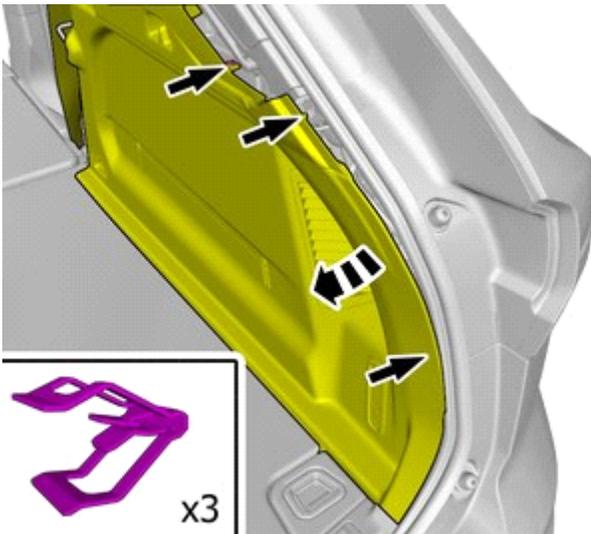
17



IMG-421218

Detach the panel.

18



IMG-421219

Detach the panel.

Accessory installation

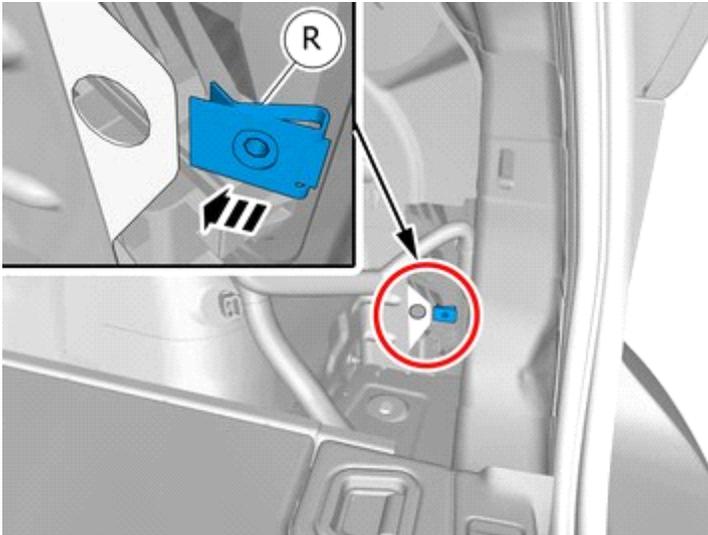
Vehicles with manually operated tailgate



Installation instructions, accessories

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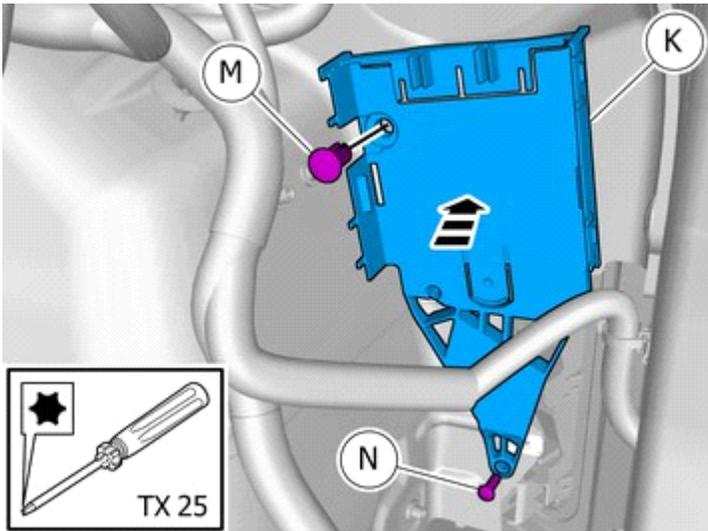
19



IMG-431325

Install component that comes with the accessory kit.

20



IMG-427975

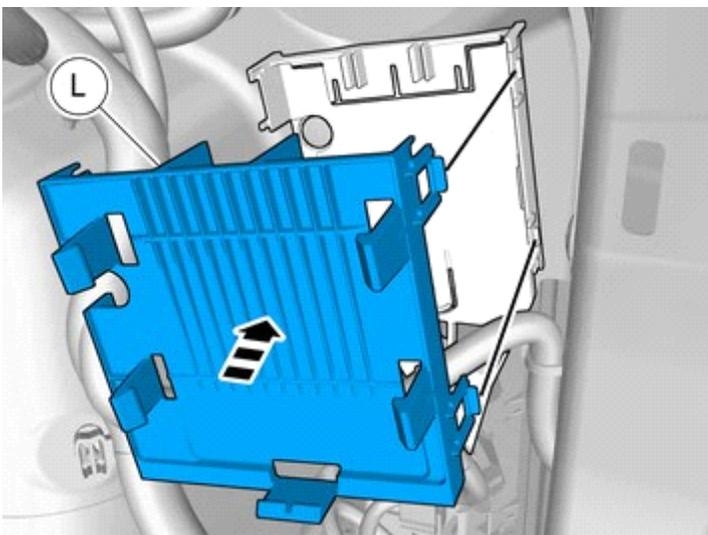
Install component that comes with the accessory kit.

Install the clip(s).

Install the screw.

Tightening torque: M5 , 5 Nm

21



IMG-427945

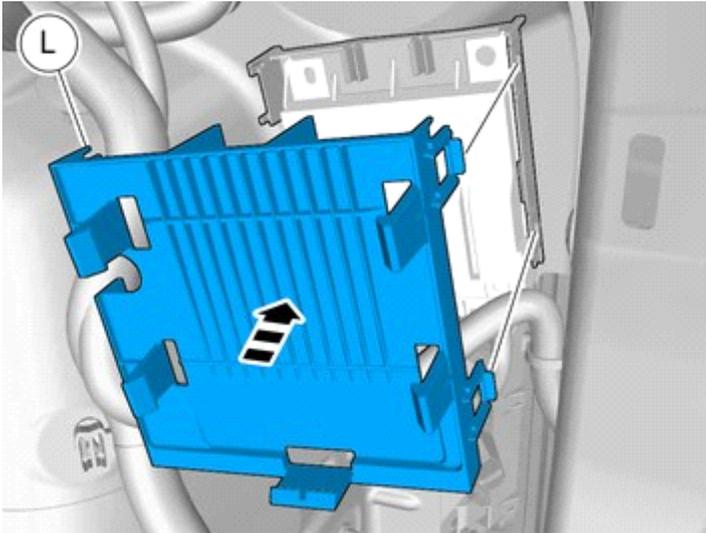


Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

Vehicles with power liftgate

22



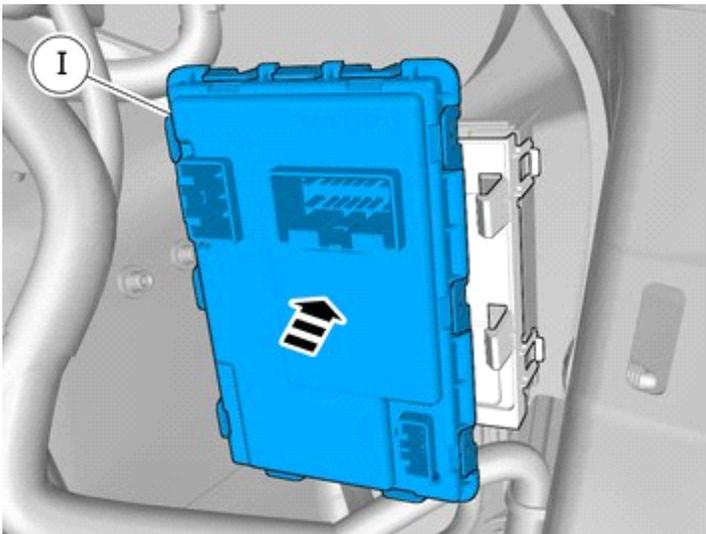
IMG-421237

Install component that comes with the accessory kit.

Ensure that all clips engage.

All vehicles

23



IMG-428045

Install component that comes with the accessory kit.

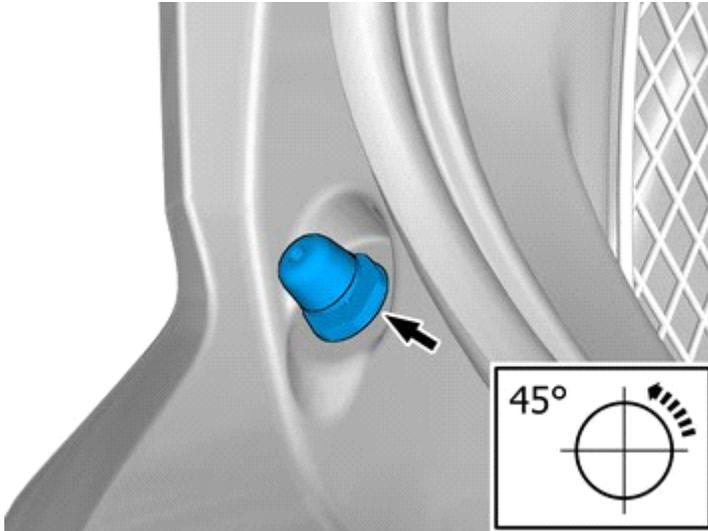
Removal



Installation instructions, accessories

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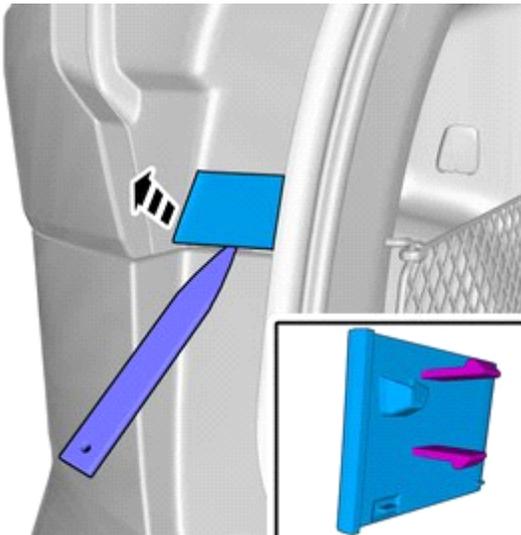
IMG-420410

Make sure that the components are not mixed up at the installation.

Remove the marked part.

Use hands only.

25

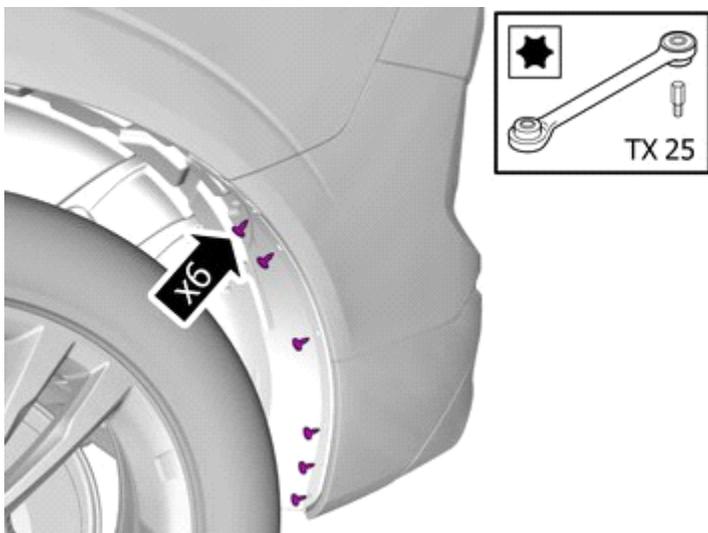


IMG-420425

Remove the marked part.

Use: Interior trim remover

26



IMG-420406

Remove the screws.



Installation instructions, accessories

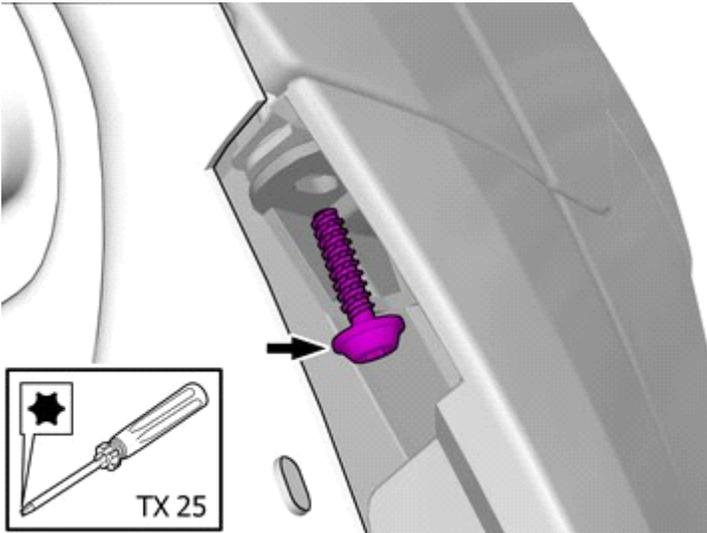
Volvo Car Corporation Gothenburg, Sweden

27 Fold the wing liner to one side.



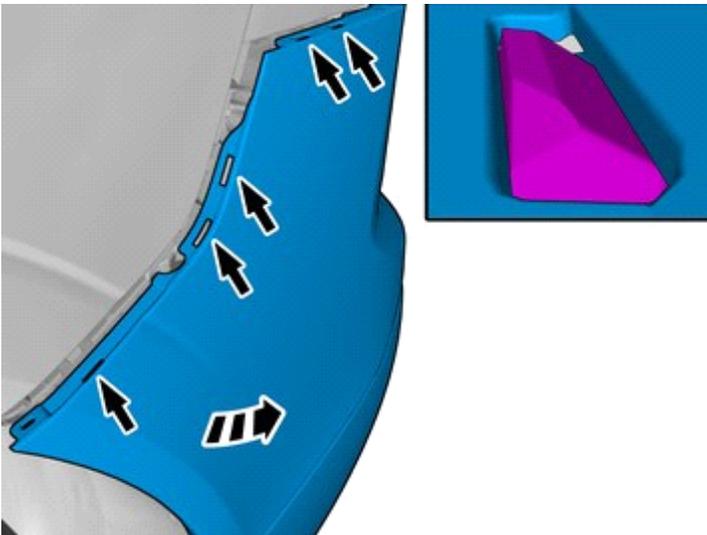
IMG-420407

28 Remove the screw.



IMG-420411

29 Remove the part carefully



IMG-420412



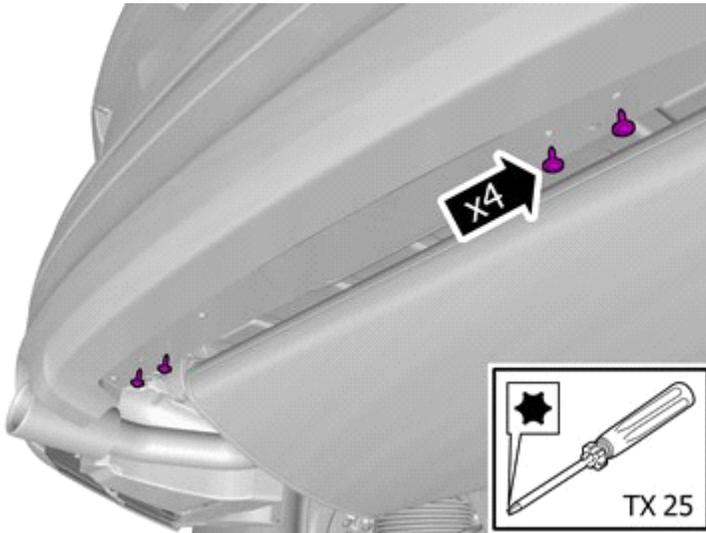
Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

30

Repeat the steps when removing on opposite side.

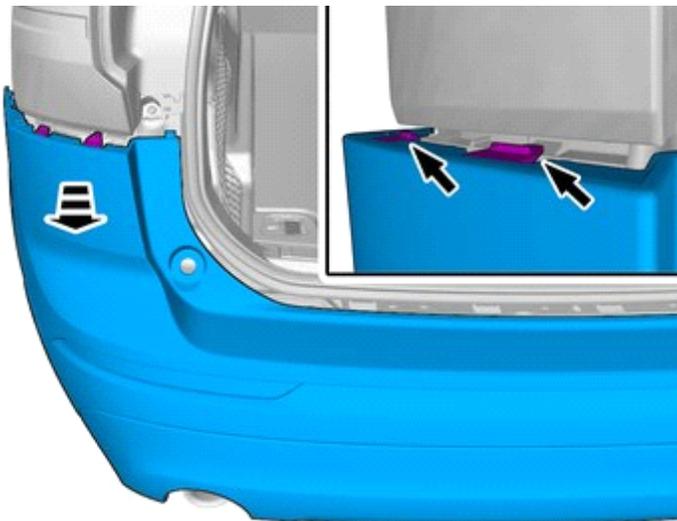
31



IMG-420415

Remove the screws.

32



IMG-420438

Note!

This step is easier with two people.

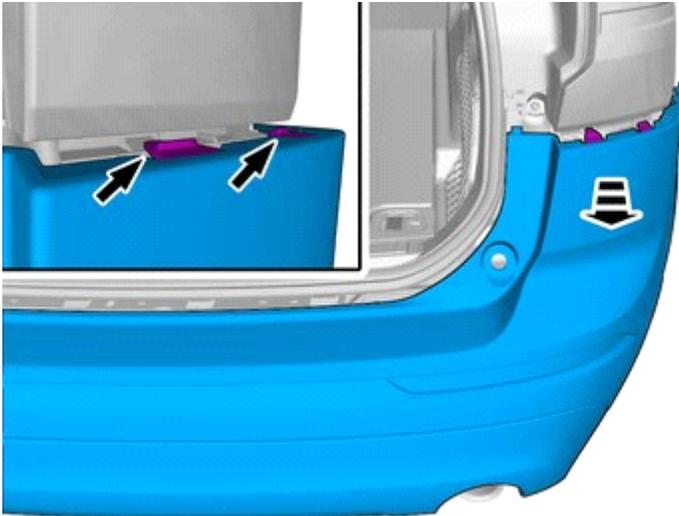
Loosen the component indicated. Do not remove it.



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

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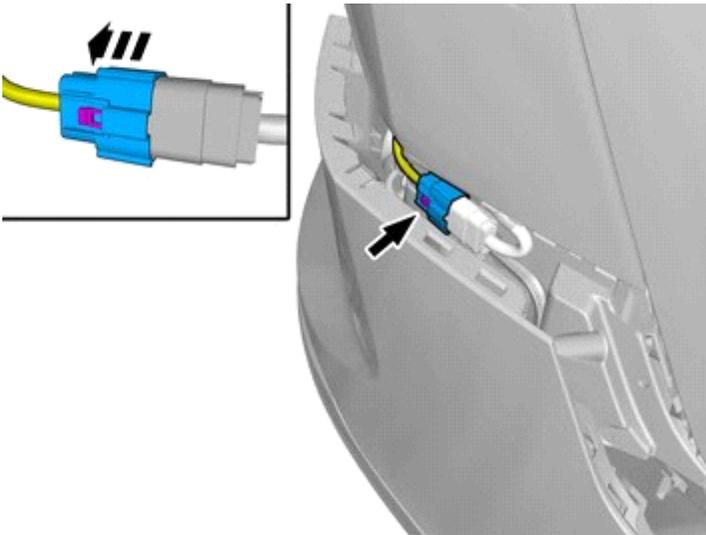
IMG-420439

Note!

This step is easier with two people.

Loosen the component indicated. Do not remove it.

34



IMG-420405

Release the connector's catch.

Disconnect the connector.

35



IMG-420262

Caution!

Place the Bumper Cover on a suitable surface.

Note!

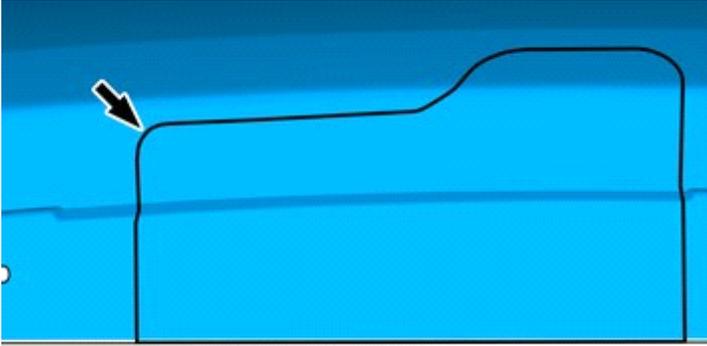
This step requires the aid of another technician.

Remove the marked part.

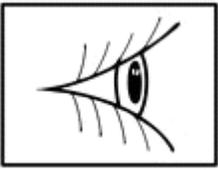


Accessory installation

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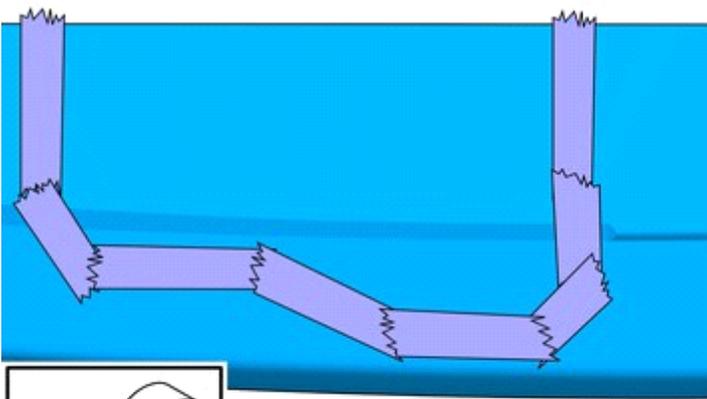


Locate relevant marking.



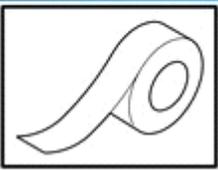
IMG-428431

37



Apply tape to the other side, opposite the marking lines.

Use: , Masking tape



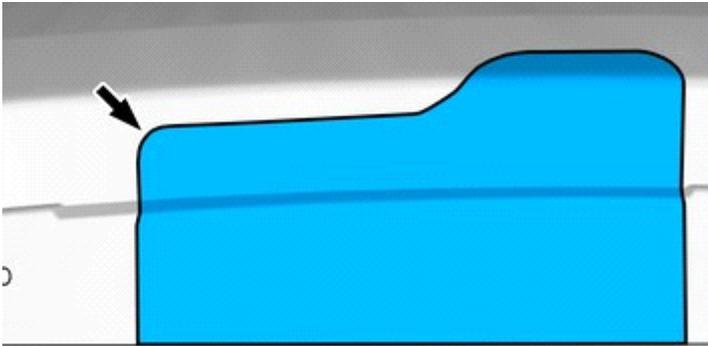
IMG-428464



Installation instructions, accessories

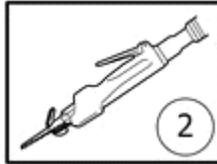
Volvo Car Corporation Gothenburg, Sweden

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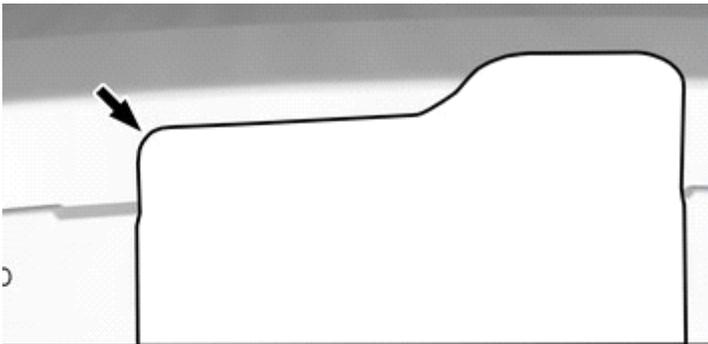
- Mark using a pen
- Remove the marked part.

Use: Air-powered keyhole saw

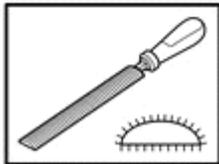


IMG-428432

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Deburr edges



IMG-428433

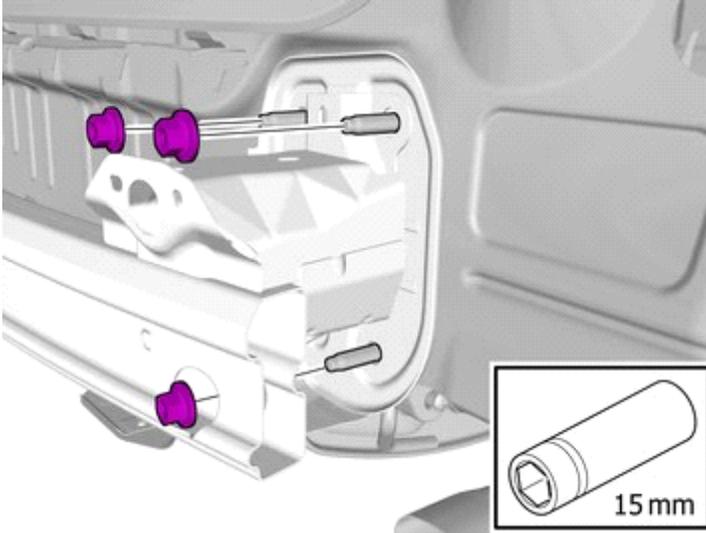
Removal



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

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IMG-420190

Note!

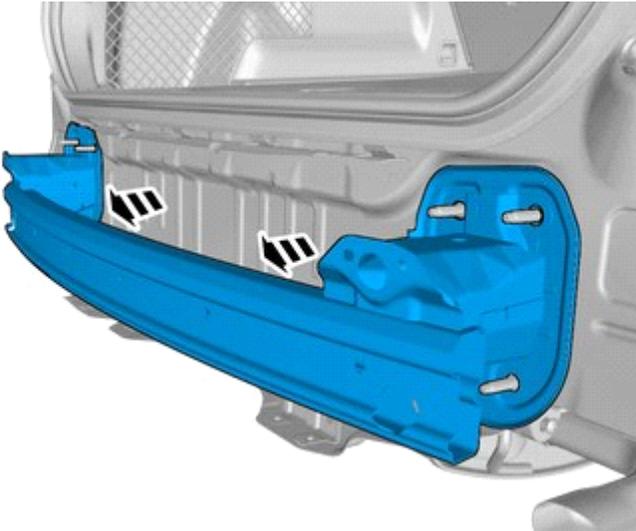
Use long socket

Remove the nuts.

Repeat on the other side.

The part is not to be reused.

41

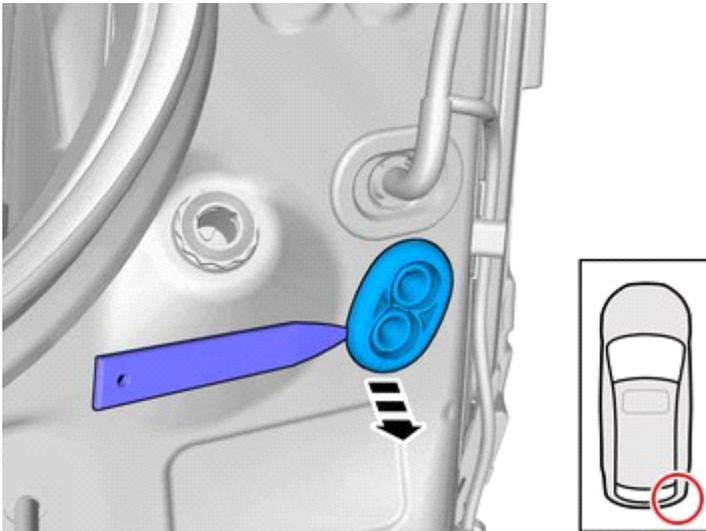


IMG-420174

Remove the marked part.

The part is not to be reused.

42



IMG-420169

Remove the marked part.

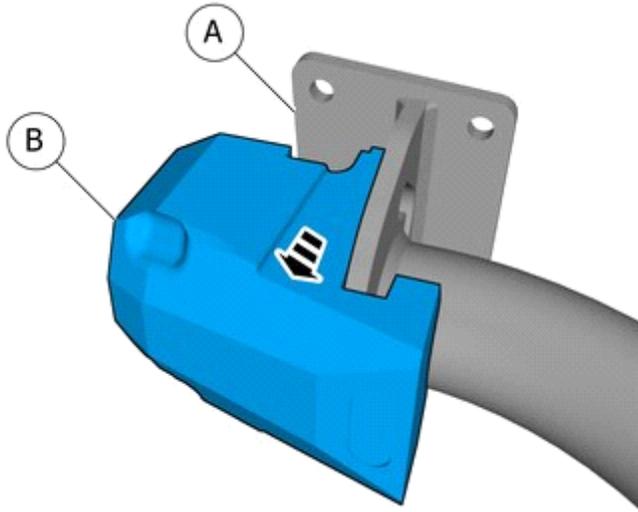
Use: Interior trim remover

The part is not to be reused.



Accessory installation

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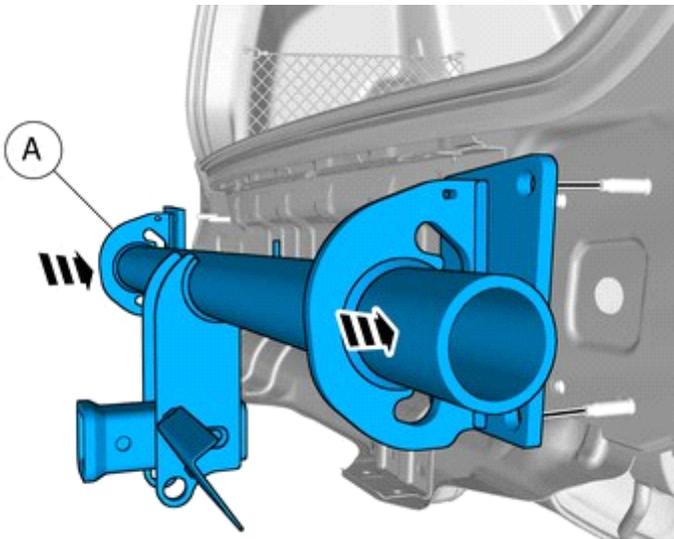


IMG-410534

Remove the marked part.

Repeat on the other side.

44



IMG-428436

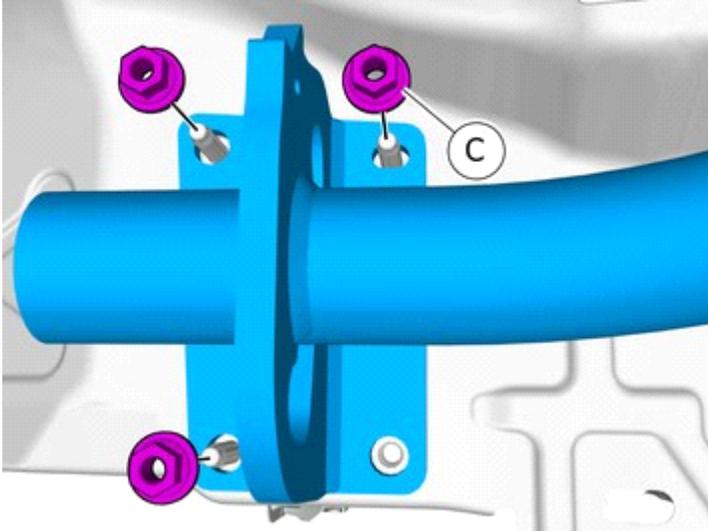
Install component that comes with the accessory kit.



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

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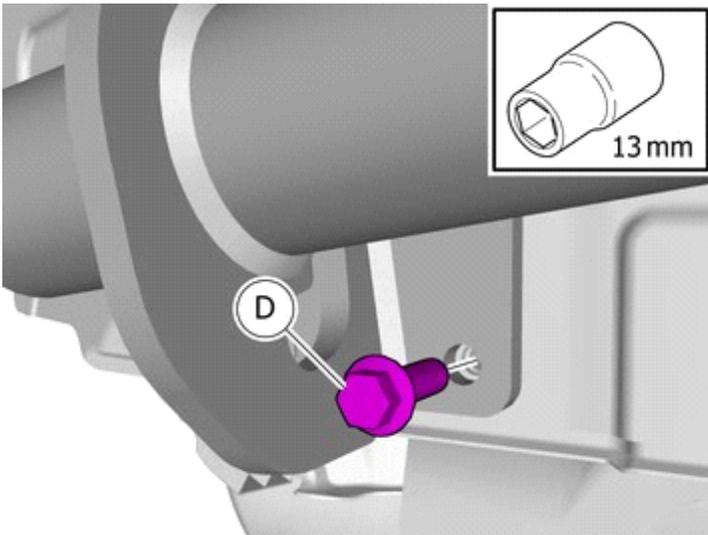


IMG-414035

Install component that comes with the accessory kit.

Repeat on the other side.

46

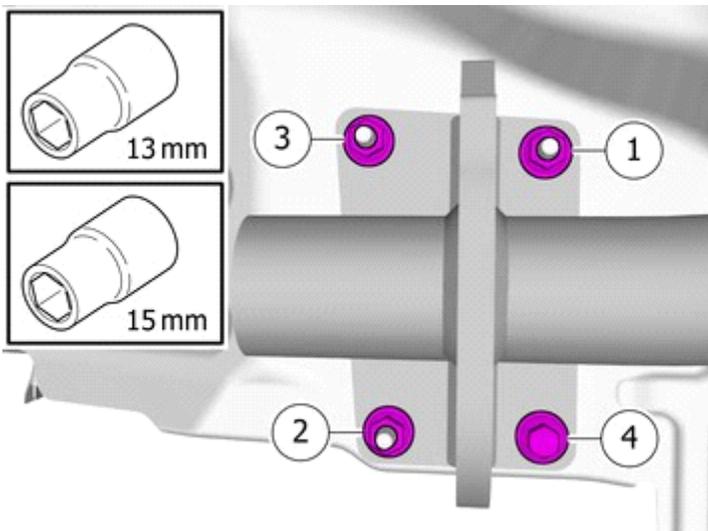


IMG-405908

Install component that comes with the accessory kit.

Repeat on the other side.

47



IMG-414036

Tighten the nuts.

Tighten the screw.

Repeat on the other side.

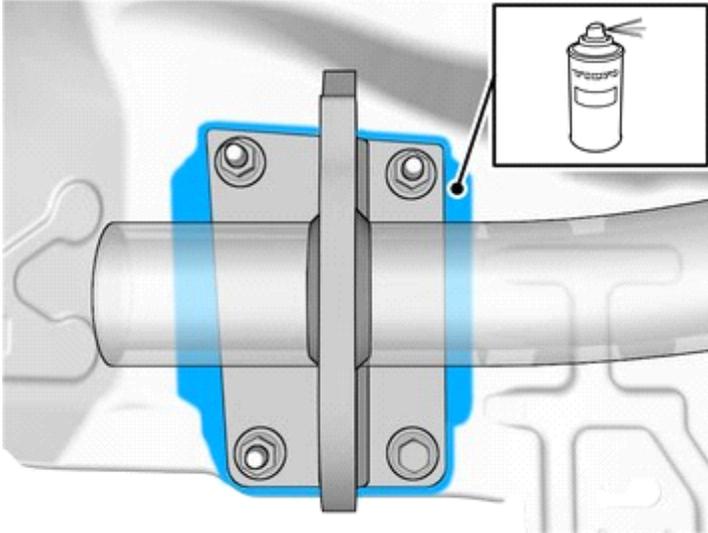
Tightening torque: Tow hitch member mounting to body frame
Stage 1: 50 Nm
Stage 2: 30 Degree



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

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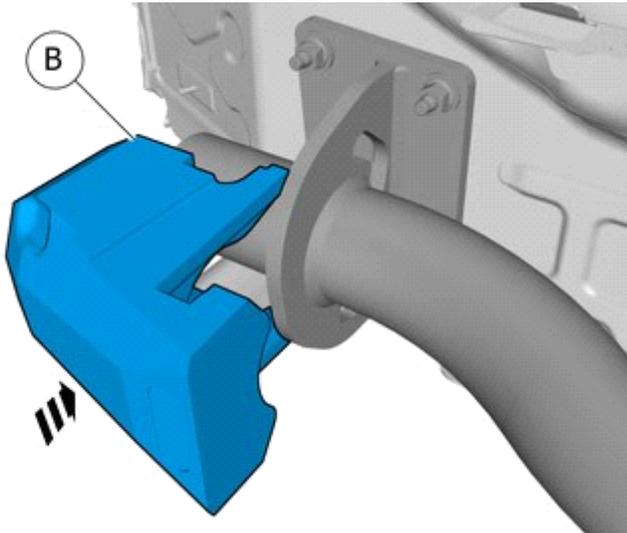
IMG-420756

Apply the stated Material on the marked surface.

Repeat on the other side.

Use: , Rust inhibitor

49

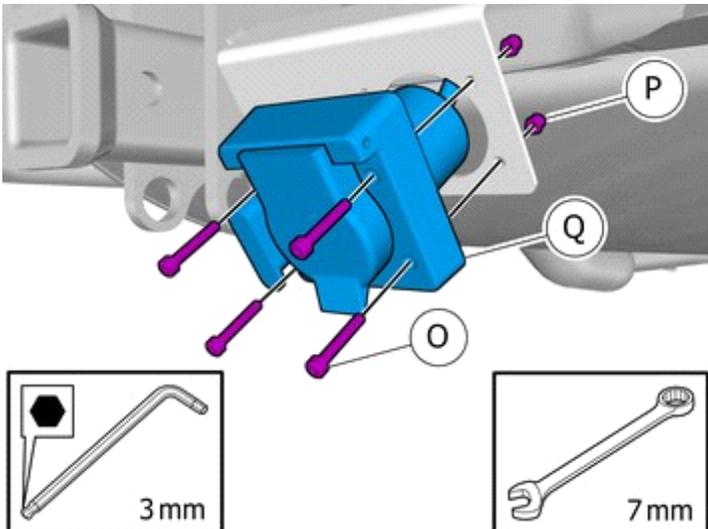


IMG-410535

Reinstall the removed part.

Repeat on the other side.

50



IMG-428470

Install component that comes with the accessory kit.

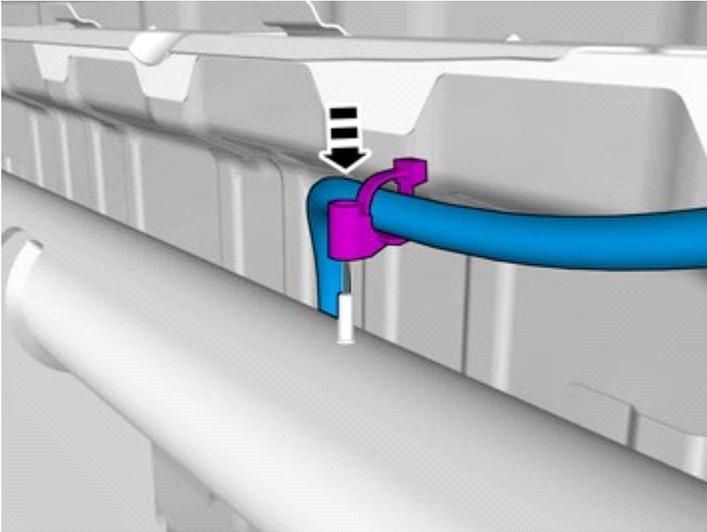
Use hands only.



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

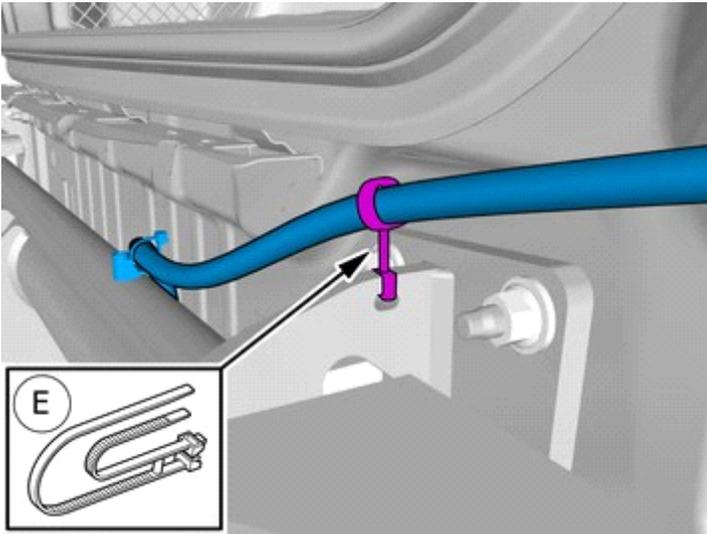
51



IMG-428471

Fasten the wiring harness using the existing clips.

52



IMG-428270

Install component that comes with the accessory kit.

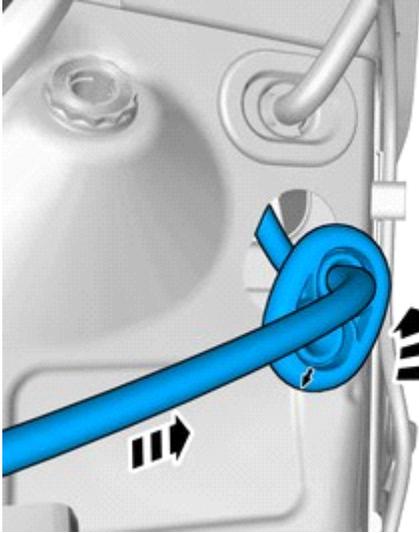
Tighten the cable tie.



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

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IMG-428130

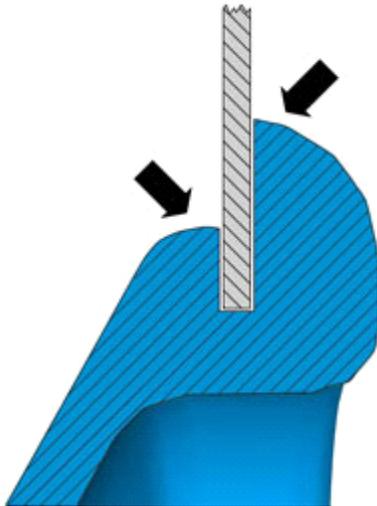
Note!

Note the position.

Route the wiring harness into the passenger compartment.



54



IMG-358177

Caution!

Make sure that the rubber grommet seals properly to the body.

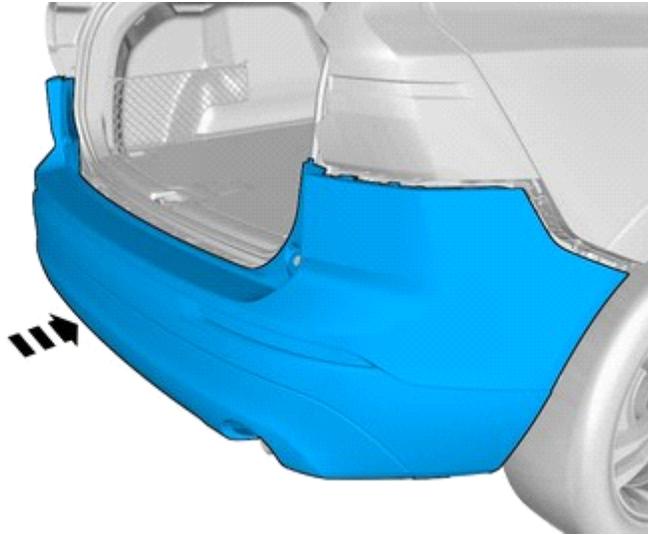
Installation



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

55

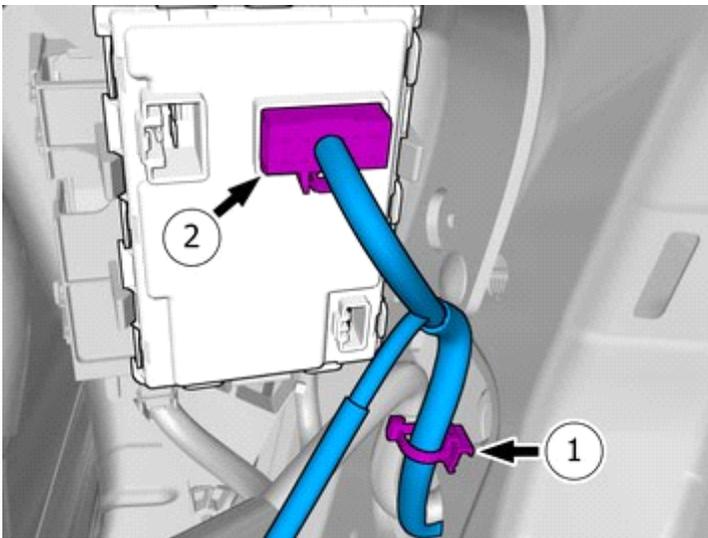


Reinstall the bumper.

IMG-427977

Accessory installation

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Fasten the wiring harness using the existing clips.

Connect the prerouted cable.

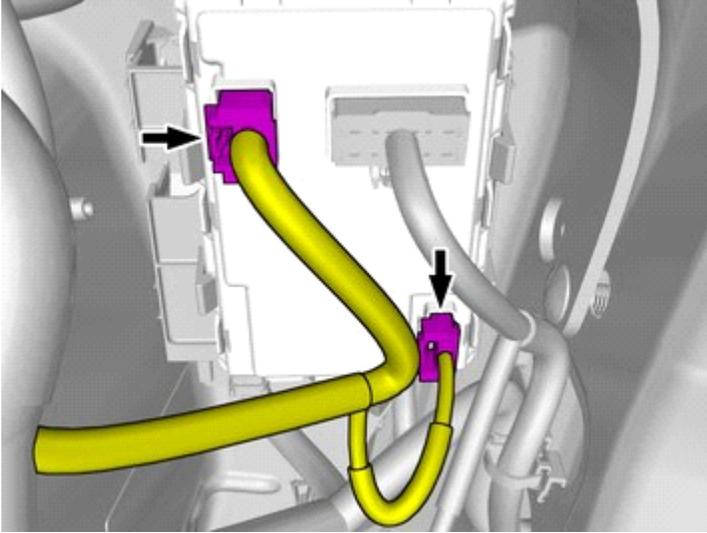
IMG-428152



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

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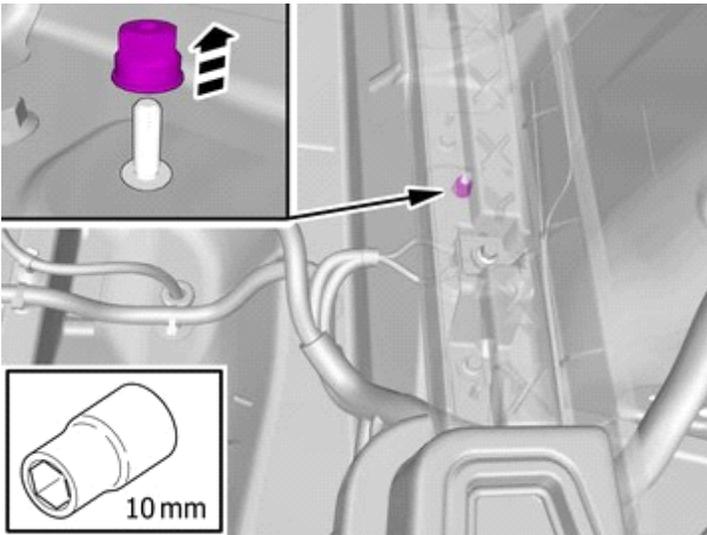


IMG-428151

Locate the pre-routed connectors.

Connect the connectors.

58

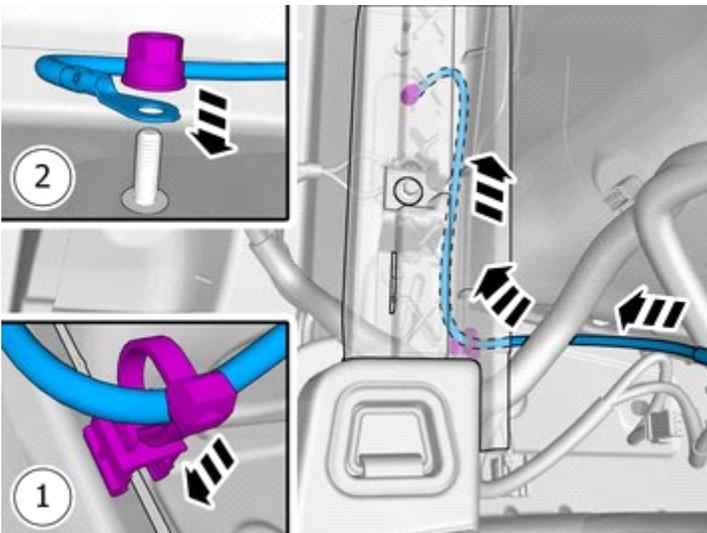


IMG-428187

Remove the nut.

The part is to be reused.

59



IMG-428186

Position wire as illustrated.

Fasten the wiring harness using the existing clips.

Connect the prerouted cable.

Install the nut.

Tightening torque: M6 , 10 Nm

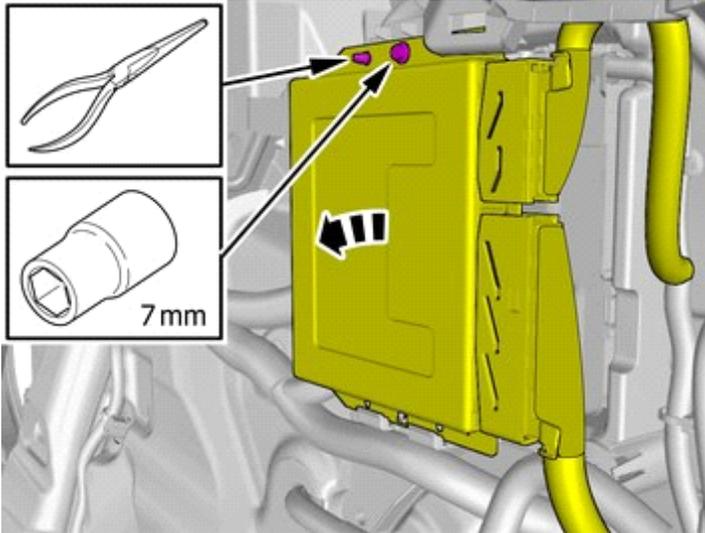


Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

Vehicles with air suspension

60



IMG-427789

Remove the screw.

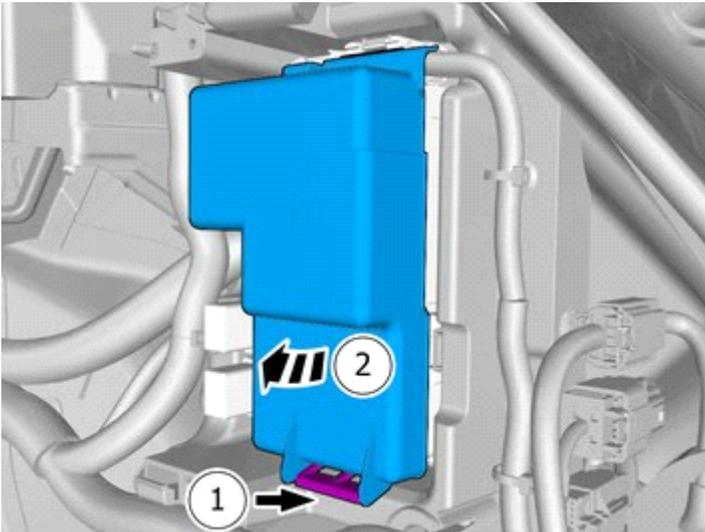
Loosen the clip.

Fold marked part to one side.

Tightening torque: Suspension Module (SUM), to Bracket , 4 Nm

All vehicles

61



IMG-427765

Release the lock.

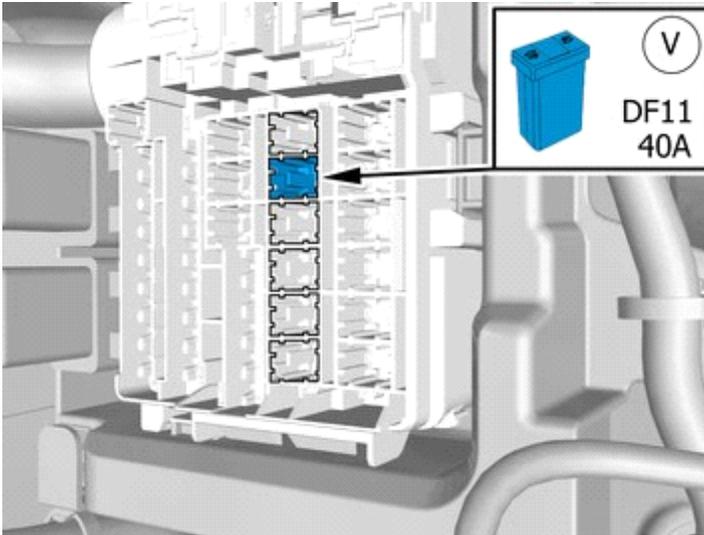
Remove the marked part.



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

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IMG-428275

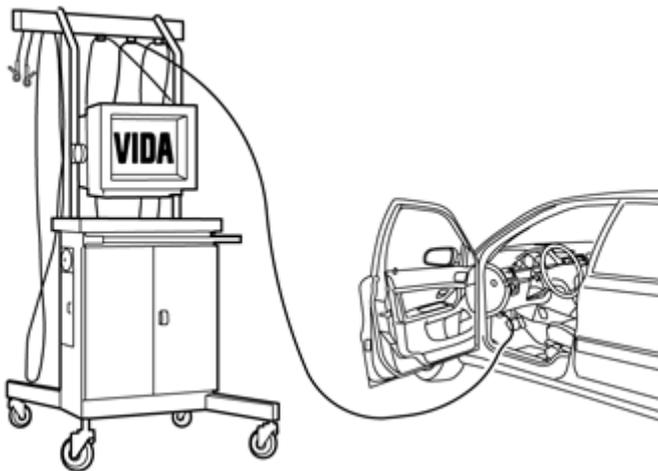
Install component that comes with the accessory kit.

Installation

63

Reinstall the removed parts in reverse order.

64



IMG-242268

Download software (application) for the accessory's function according to the service information in VIDA. See VIDA or the accessories catalogue for software part number.

Order and download software according to: 31346719

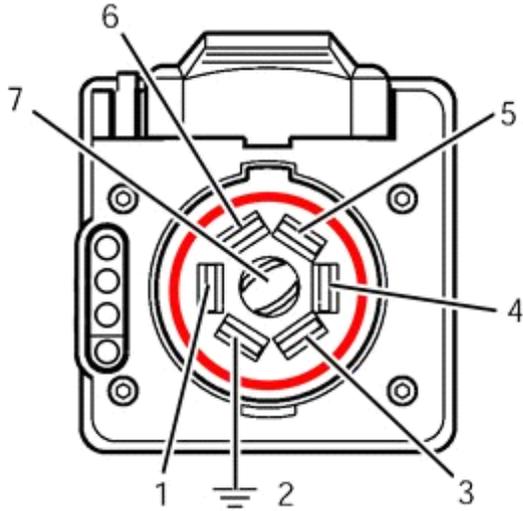
Check



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

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IMG-384866

Warning!

Check for correct operation after the installation.

Note!

To activate the trailer module (TRM) at least two light sources (lamps) must be connected. This can be done by connecting test equipment for the trailer connector, or a trailer.

Note!

The trailer module (TRM) must be programmed with correct software to function correctly.

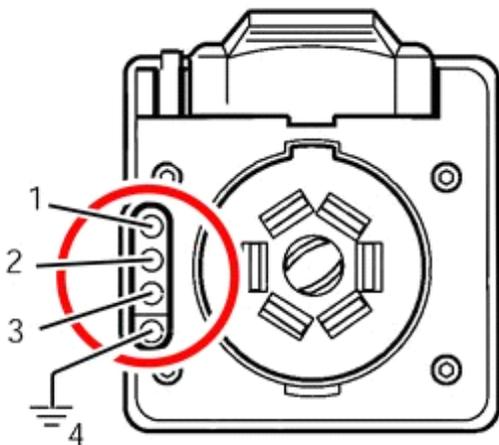
7-pin connection

- . Brake lamp/Left indicator
- . Ground connection
- . Spare slot (brake lamp, electrical trailer brake)
- . Stop lamp/ Right turn signal lamp
- . Charging
- . Position lamp
- . Spare (back-up light)

The wire for pin 3 for 7-pin connection is blue (BL)

The cable is secured at the wiring approximately 1 metre from the trailer connector.

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IMG-384862

4-pin connection

- . Stop lamp/ Right turn signal lamp
- . Brake lamp/Left indicator
- . Position lamp
- . Ground connection