



Technical Journal

TITLE:

Addition of USB Hub and Android Auto

REF NO: TJ 34222.1.4	ISSUING DEPARTMENT: Technical Service	CAR MARKET: United States and Canada	
PARTNER: 3 US 7510 Volvo Car USA		ISSUE DATE: 2019-08-21	STATUS DATE: 2019-08-30
FUNC GROUP: 3900	FUNC DESC: Media, navigation and communication	Page 1 of 29	

“Right first time in Time”

Attachment

File Name	File Size
Instruction_TJ 34222.pdf	1.8335 MB

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
256							2016-2016		0000000-0095354	201505-201616

CSC Customer Symptom Codes

Code	Description
ZY	Electrical system/Component electrical system wrong installation/missing
7S	Cellular phone/Other cellular phone problems

VST Operation Number

VST Operation Number	Description
* 08830 (1.2hr)	Android Auto USB TJ 34222

DTC Diagnostic Trouble Codes

Rows beginning with * are modified

Note! If using a printed copy of this Technical Journal, first check for the latest online version.

Text

**DESCRIPTION:**

**Labor Op updated*

Model year 2016 XC90s were built with a single USB port which is not capable of supporting Android Auto functionality.

Should a customer request to have this functionality added to their car, it can be added at no cost to them by following the instructions under Service.

SERVICE:

The accessory kit for Smartphone Integration on cars without a dual USB hub must be installed. Kit part number (PN) and application Software Product (SP) are listed below. Installation instructions are attached.

Installation Kit: PN 32204786

Software:

Add USB Application: SP 32204602

Smartphone Integration: SP 31659192

Further information can be found on the accessories website:

[https://accessories.volvocars.com/en-us/XC90\(16-\)/Accessories/Document/VCC-515715/2016](https://accessories.volvocars.com/en-us/XC90(16-)/Accessories/Document/VCC-515715/2016)

OR

Go to ***accessories.volvocars.com*** and search for “Smartphone Integration.”

Then select “XC90 (16-) 2016”

Warranty Notes:

- Only the vehicles in the range specified above can have the hub installation claimed under warranty.
- Reference this TJ in the claim text for appropriate processing
- This upgrade should only be installed if requested by a customer

VEHICLE REPORT:

Not Required

To view TJ attachment continue to next page. This TJ has one attachment.



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

Instruction No	Version	Part. No.
32204787	1.0	32204786

Integrated smartphone

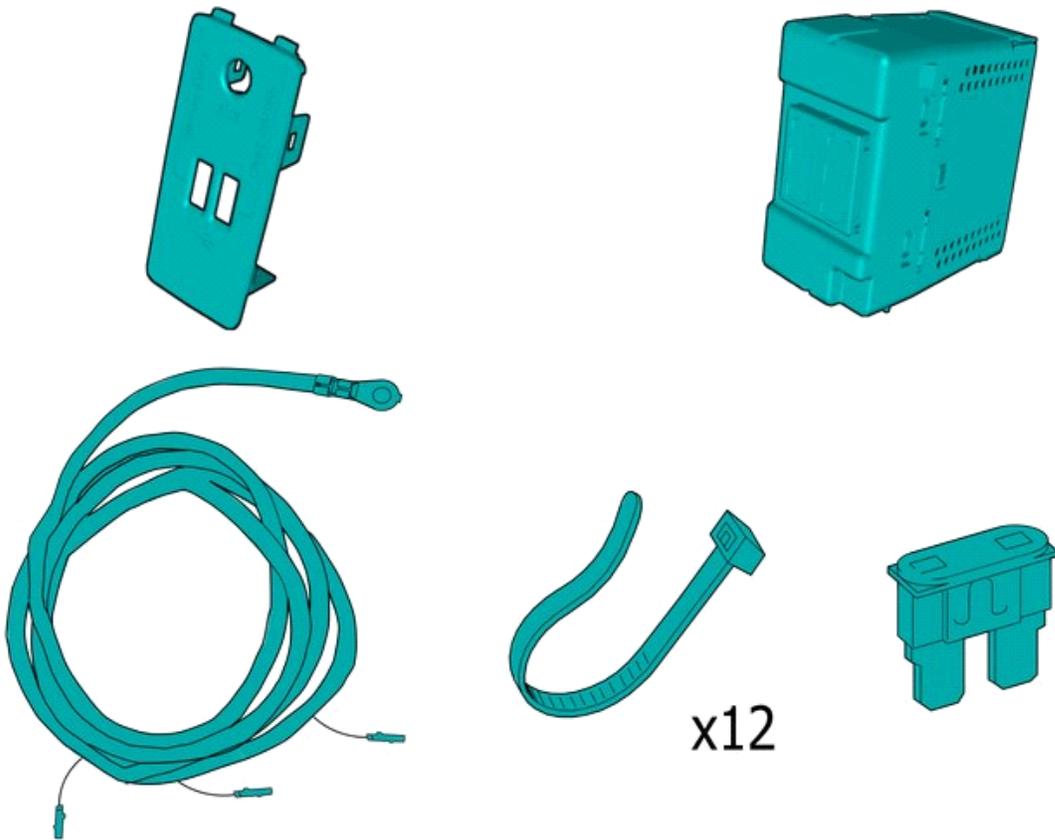


Installation instructions, accessories

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Materials

Designation	Part number
Cable tie, 750 mm	988734
Electrical tape	



IMG-448339



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.

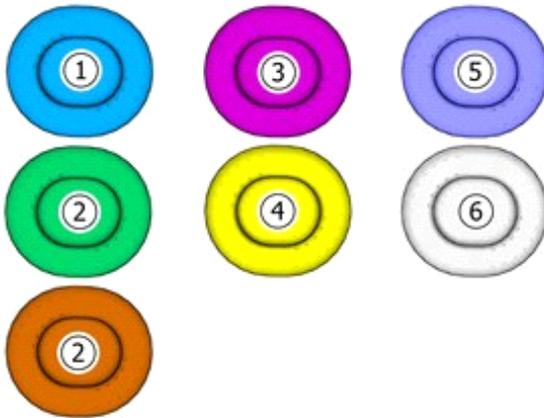
Ensure that all tools stated in the instructions are available before starting installation.

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.

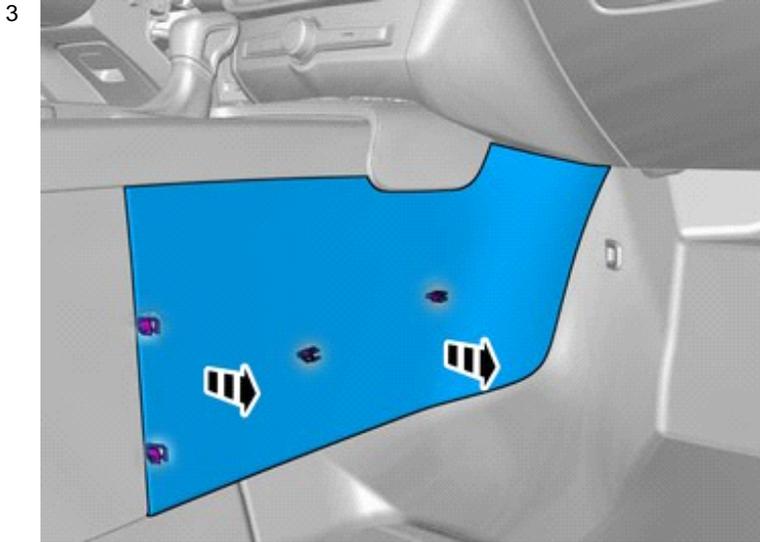
1. Used for focused component, the component with which you will do something.
2. Used as extra colors when you need to show or differentiate additional parts.
3. Used for attachments that are to be removed/installed. May be screws, clips, connectors, etc.
4. Used when the component is not fully removed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

Removal



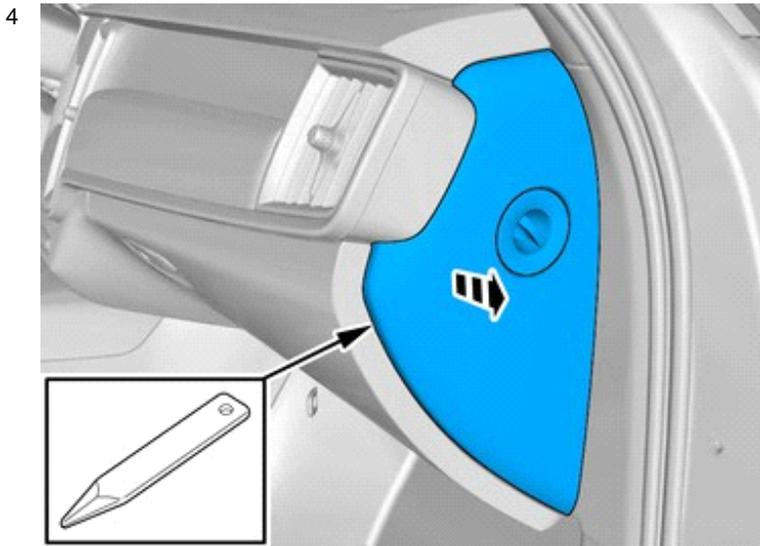
Installation instructions, accessories

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Remove the panel.

IMG-414590



Remove the panel.

Disconnect the connector.

IMG-412242

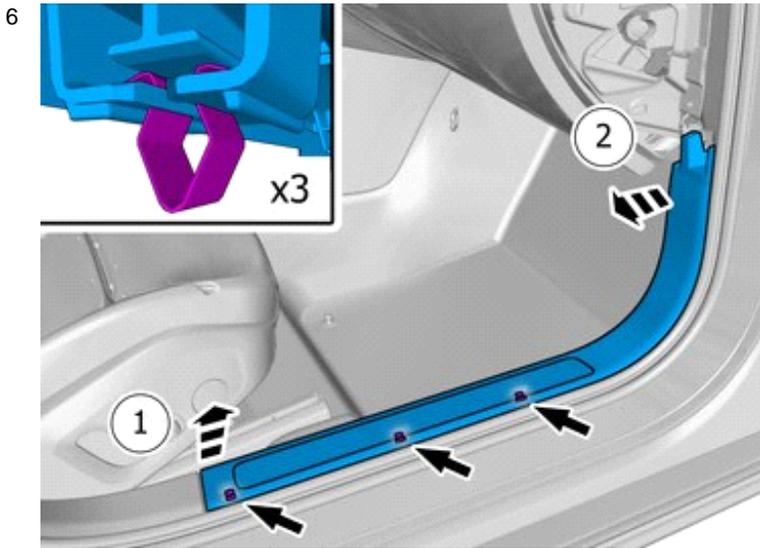


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IMG-414575

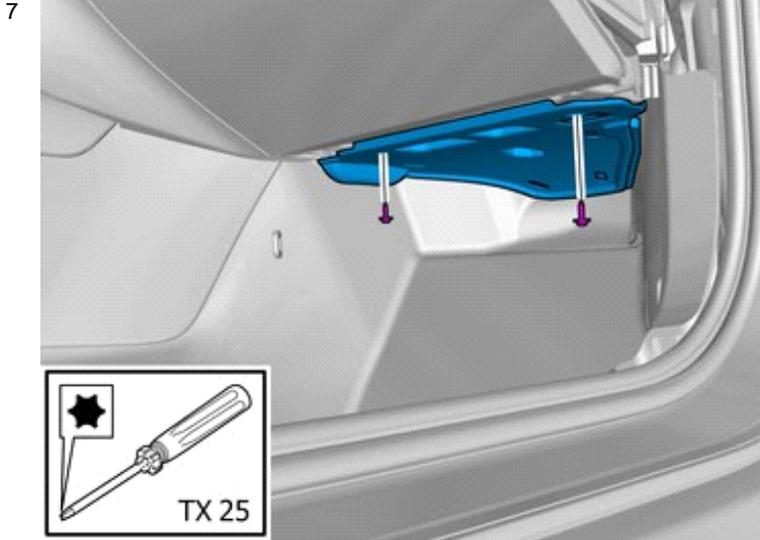


IMG-414580



Installation instructions, accessories

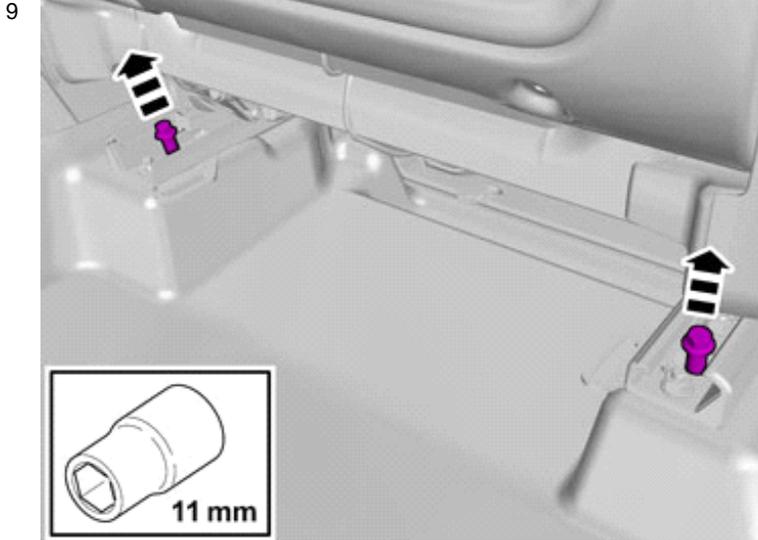
Volvo Car Corporation Gothenburg, Sweden





Installation instructions, accessories

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Remove the screws.

Tightening torque: Front seat to body , 40 Nm

IMG-383130



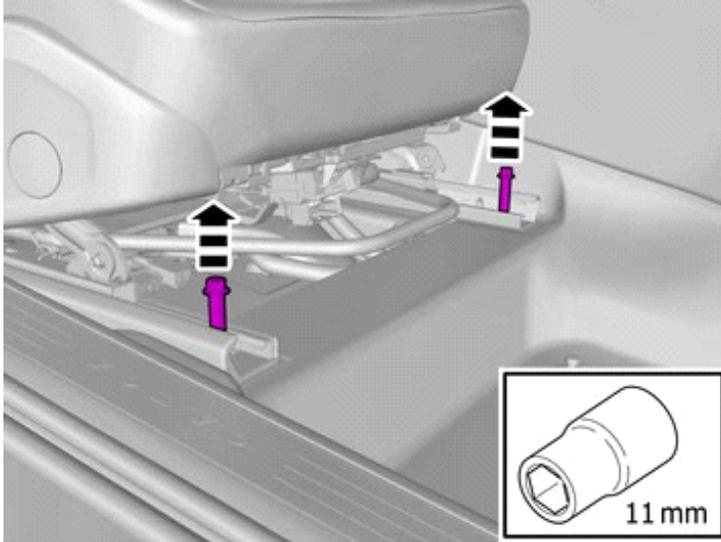
IMG-414525



Installation instructions, accessories

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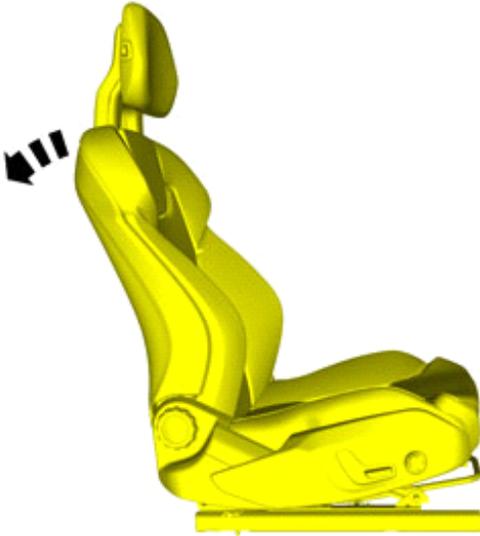


IMG-414515

Remove the screws.

Tightening torque: Front seat to body , 40 Nm

12



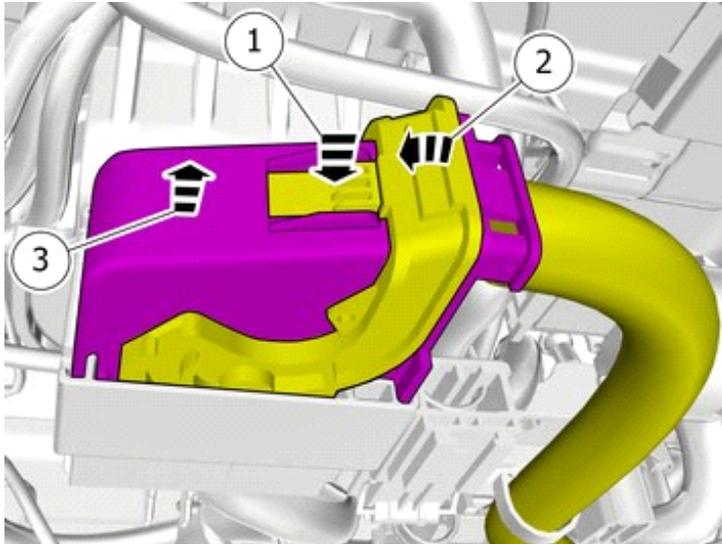
IMG-383134



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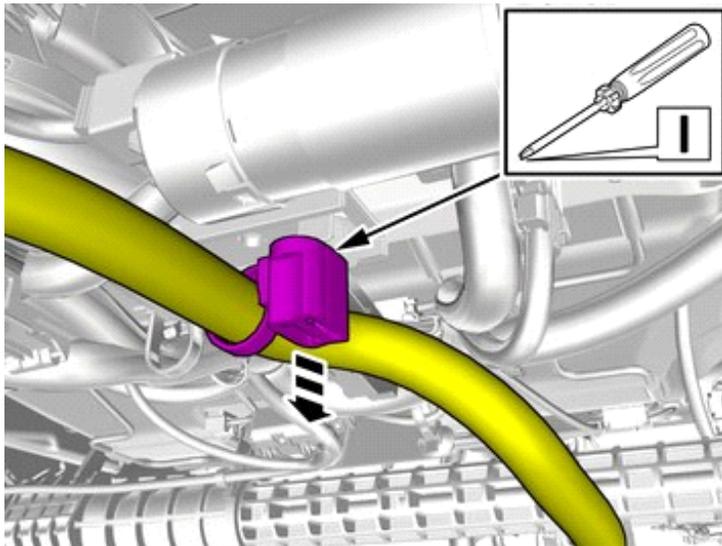
13



IMG-396605

Disconnect the connector.

14



IMG-396606

Unhook the cable harness clips.



Installation instructions, accessories

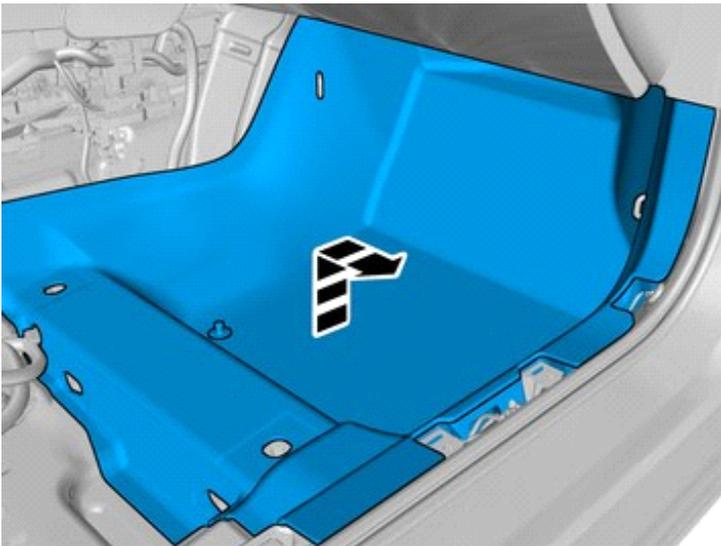
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IMG-414526

16



IMG-415092

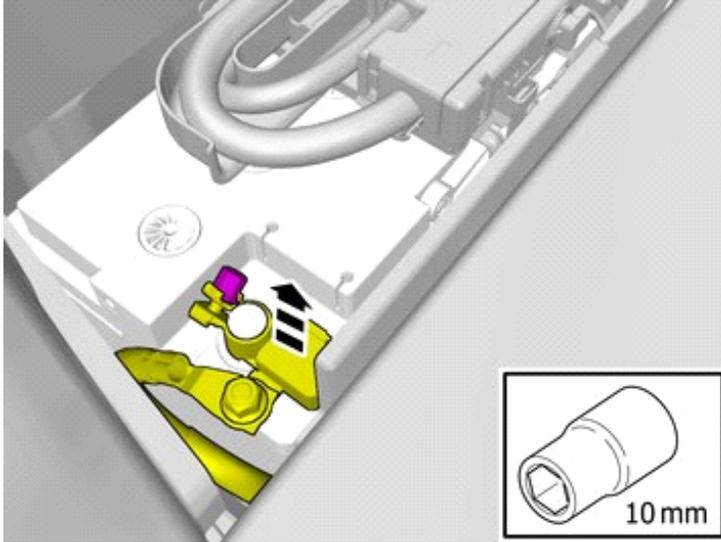
Remove the marked part.



Installation instructions, accessories

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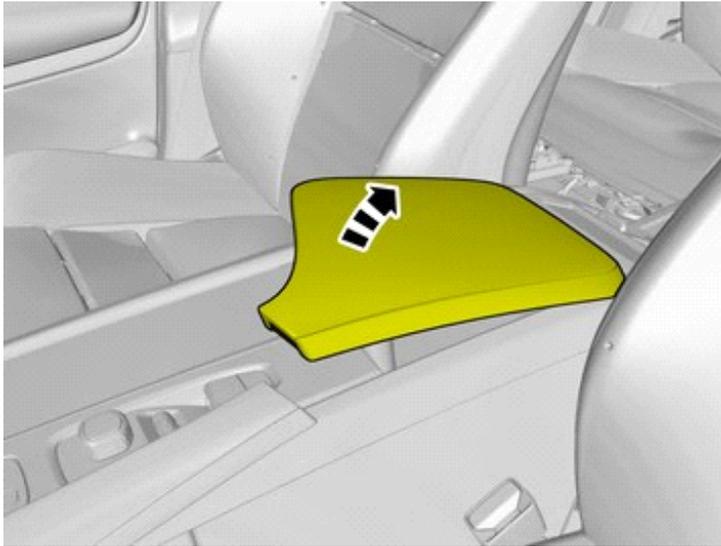
17



Remove the battery's negative cable.

IMG-394520

18



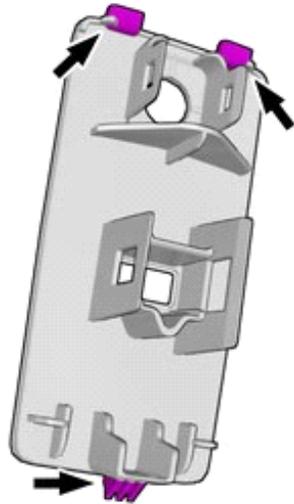
IMG-439801



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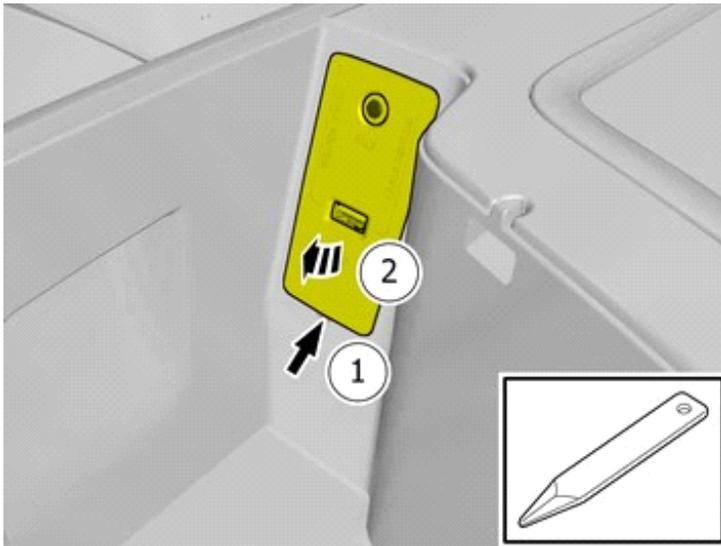
19



The graphic shows the back of the component.

IMG-439523

20



Loosen the marked detail.

IMG-439522

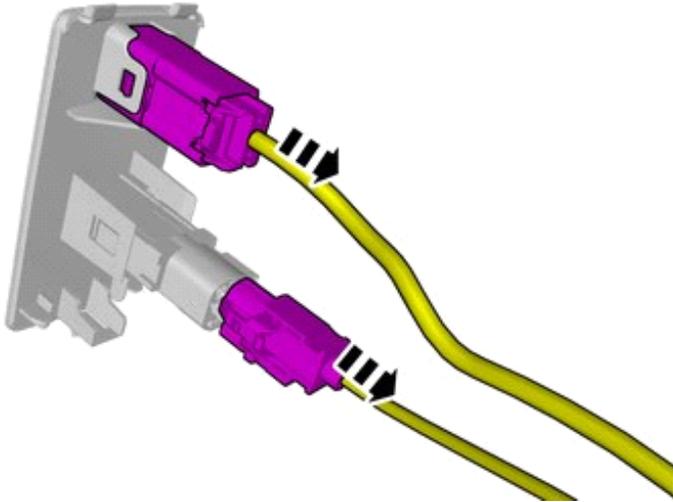


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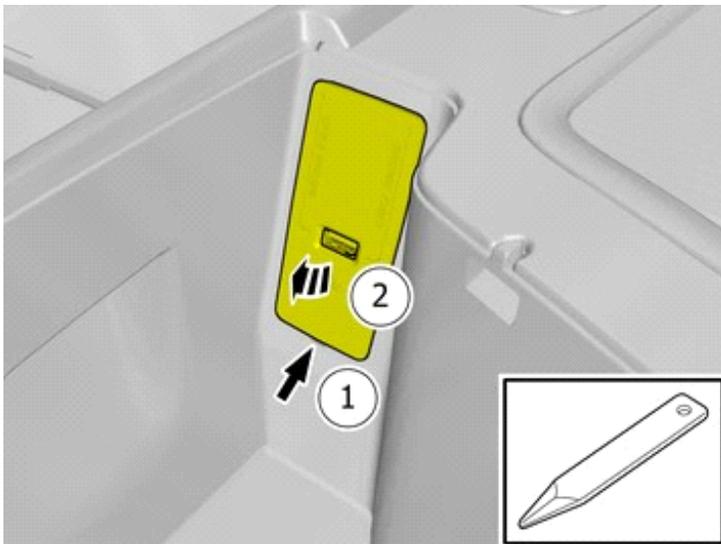
Disconnect the connectors.



IMG-439524

Alternative 2

22



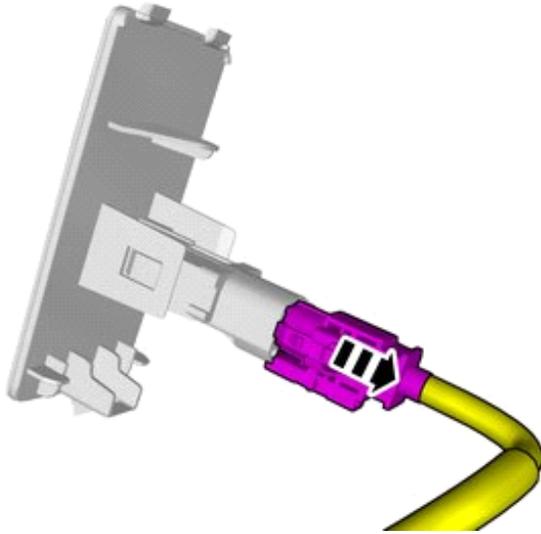
IMG-439871



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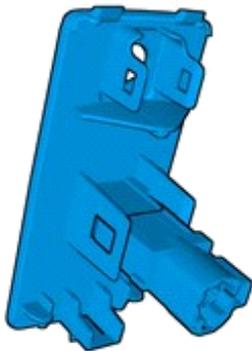


IMG-439945

All vehicles

24

The part is not to be reused.



IMG-439526

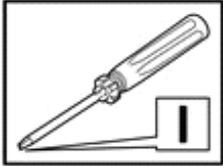
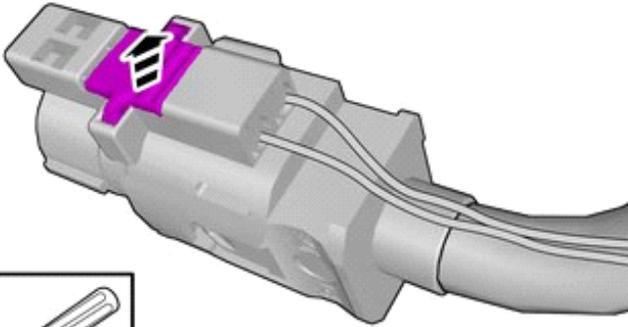


Installation instructions, accessories

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Release the lock.

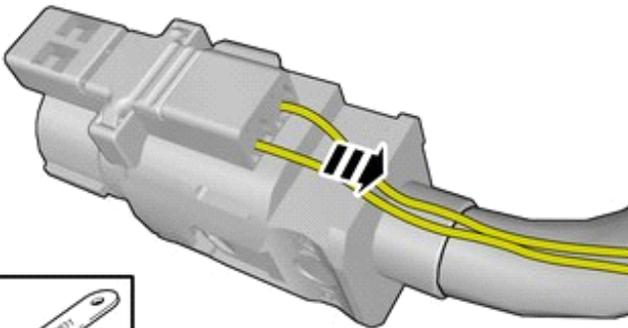


IMG-446385

26

Disconnect terminals from the connector, following the graphic.

The cable harness must not be reused.



IMG-446386



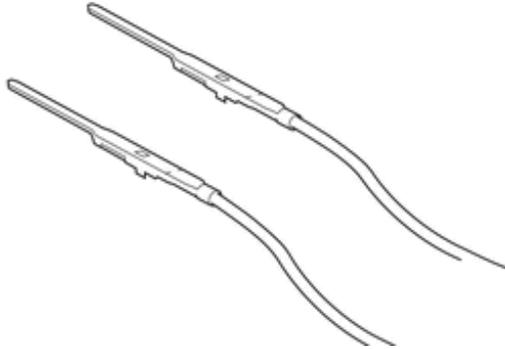
Installation instructions, accessories

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Tape the cable terminal each for itself to avoid short-circuit.

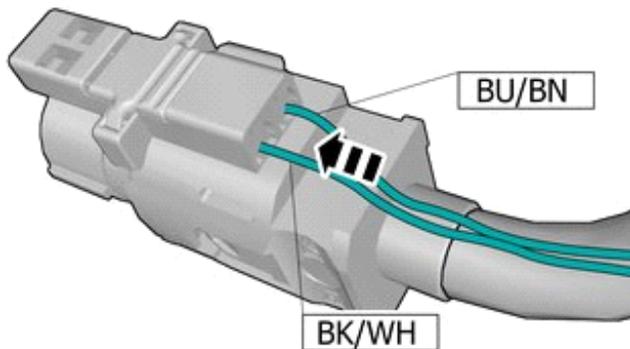


IMG-449110

Accessory installation

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Connect the cable harness.



IMG-447057

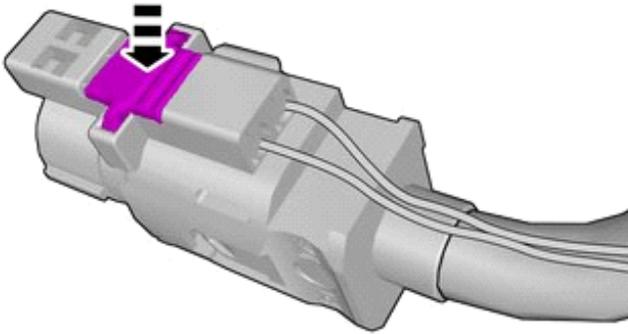


Installation instructions, accessories

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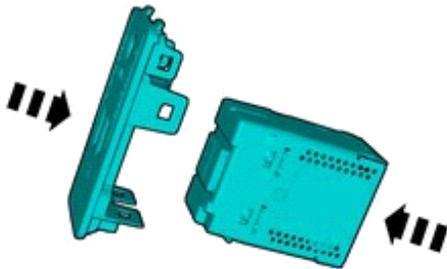
Install the catch.



IMG-447058

30

Assemble components that come with the accessory kit.



IMG-447077

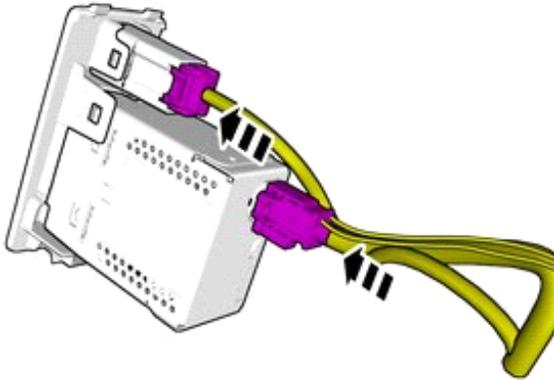


Installation instructions, accessories

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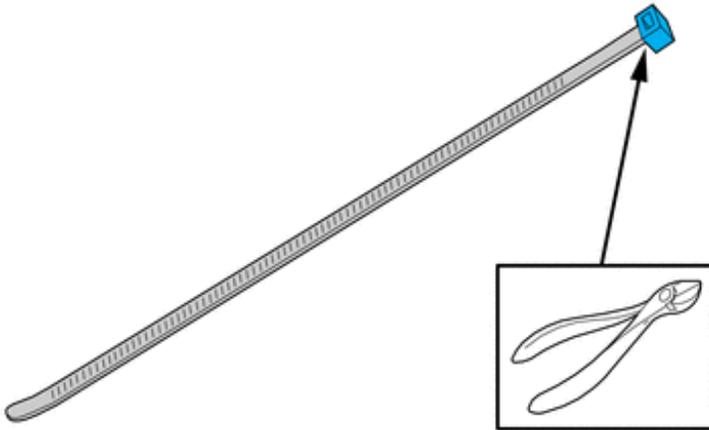
Connect the connectors.



IMG-447081

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Use: 988734, Cable tie, 750 mm



IMG-419675



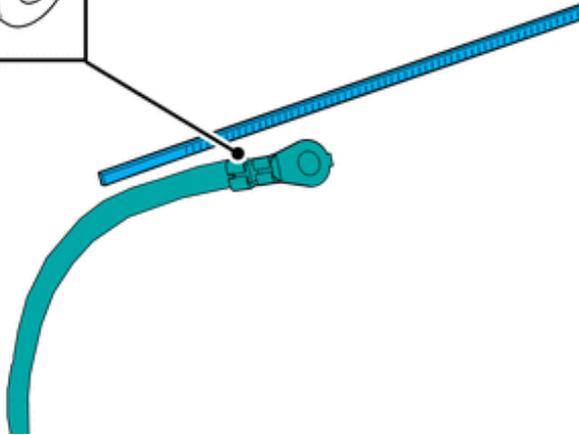
Installation instructions, accessories

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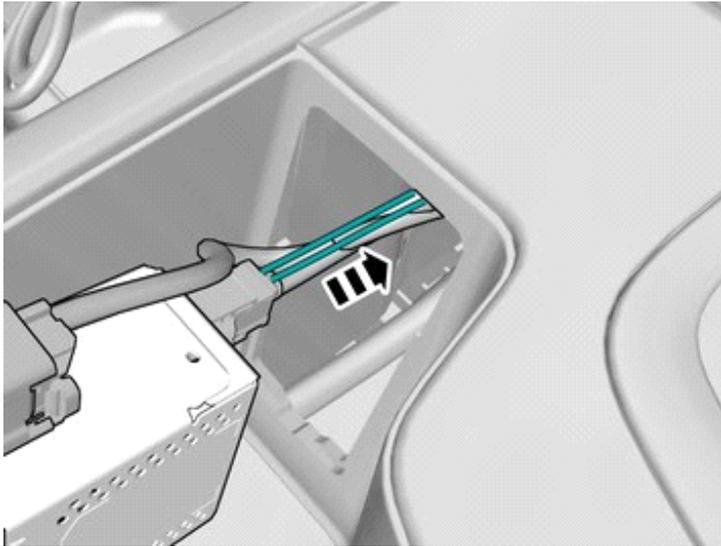


Use: , Electrical tape



IMG-447082

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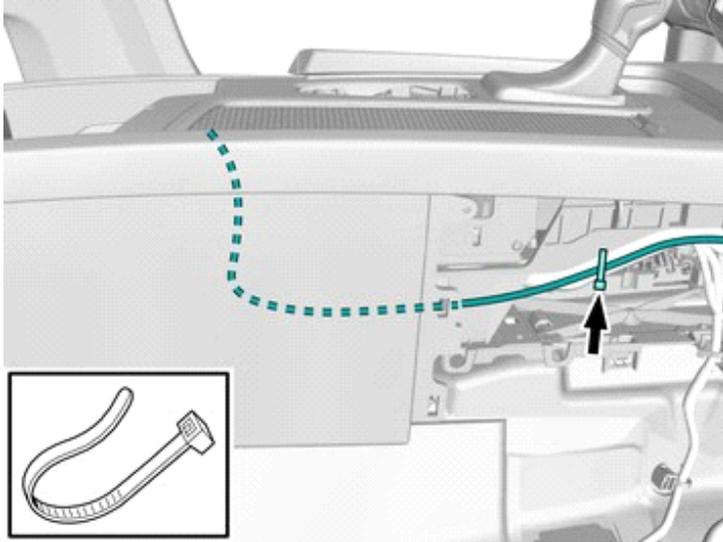
IMG-447085



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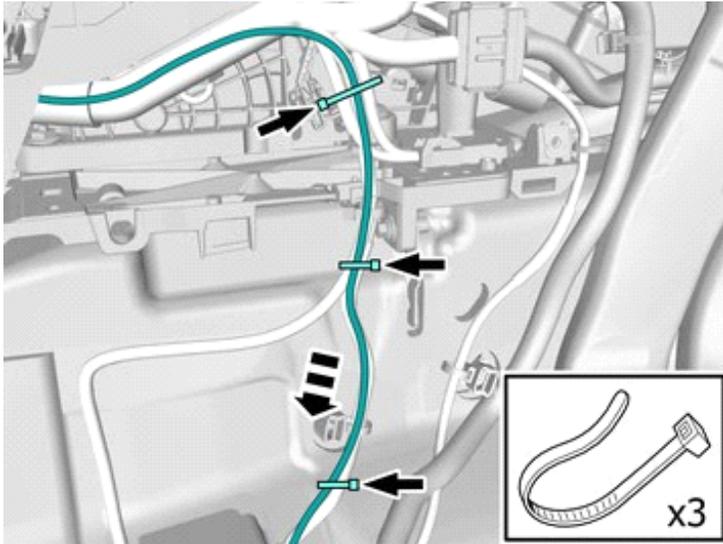
IMG-447152

Pull the wiring through.

Install the cable.

Use a cable tie

36



IMG-449090

Position/route the cable as illustrated.

Install the cable.

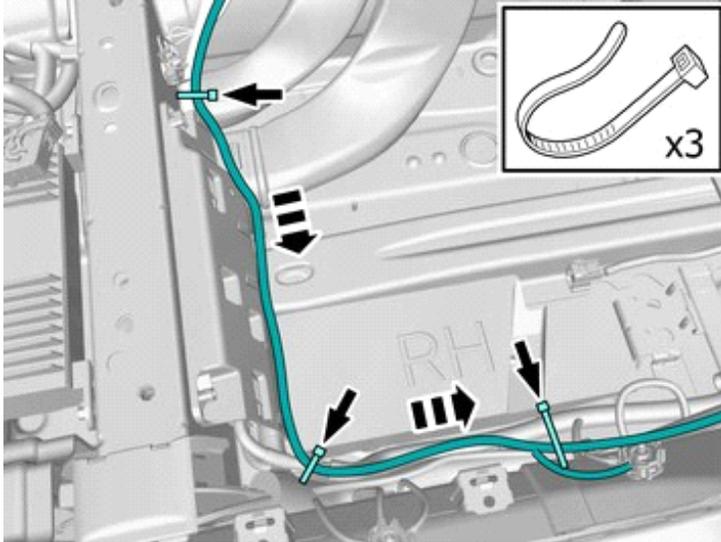
Use a cable tie



Installation instructions, accessories

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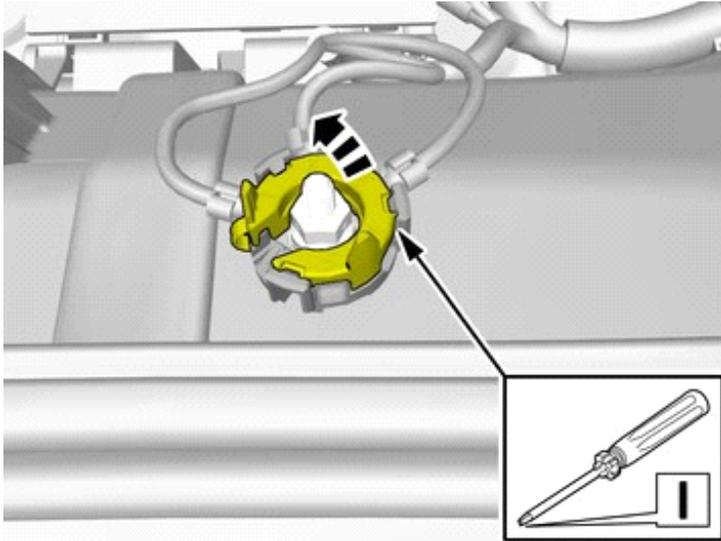
IMG-447158

Position/route the cable as illustrated.

Install the cable.

Use a cable tie

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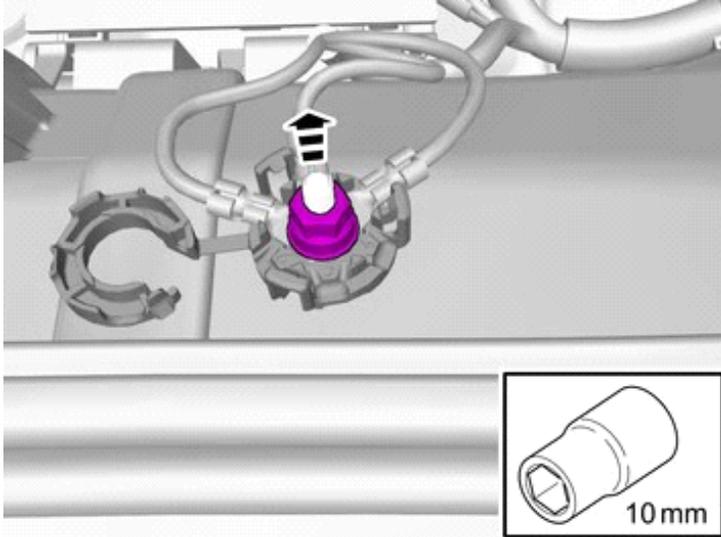
IMG-388631



Installation instructions, accessories

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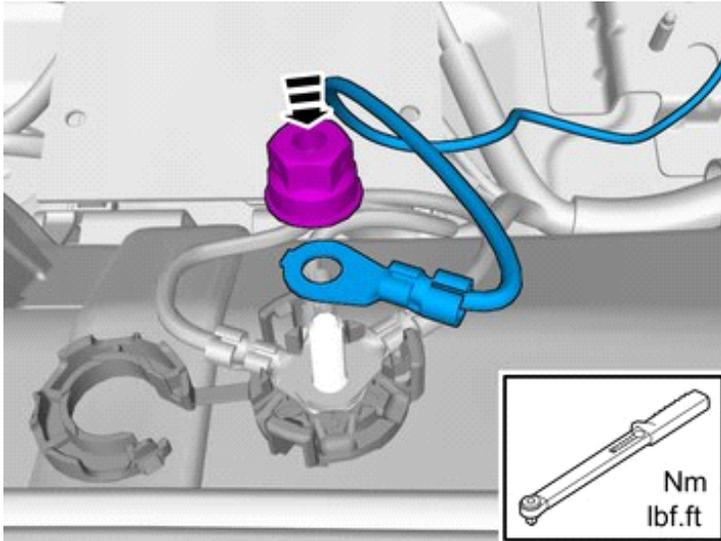
39



IMG-388638

Remove the nut.

40



IMG-388639

Connect the prerouted cable.

Install the nut.

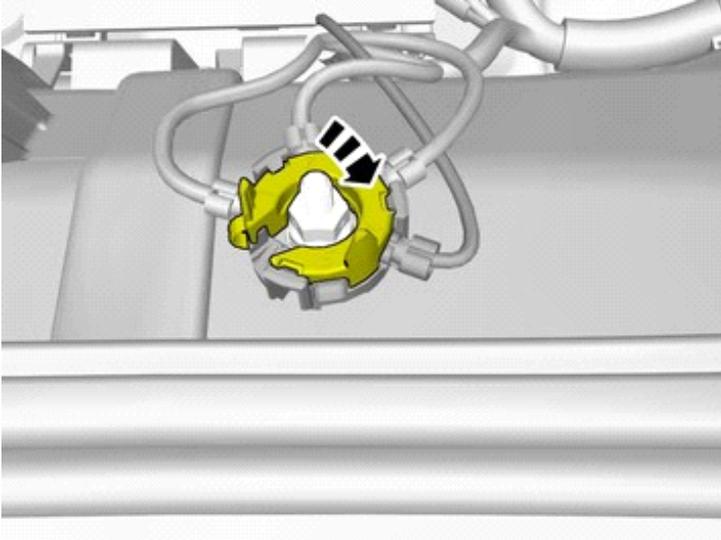
Tightening torque: M6 , 10 Nm



Installation instructions, accessories

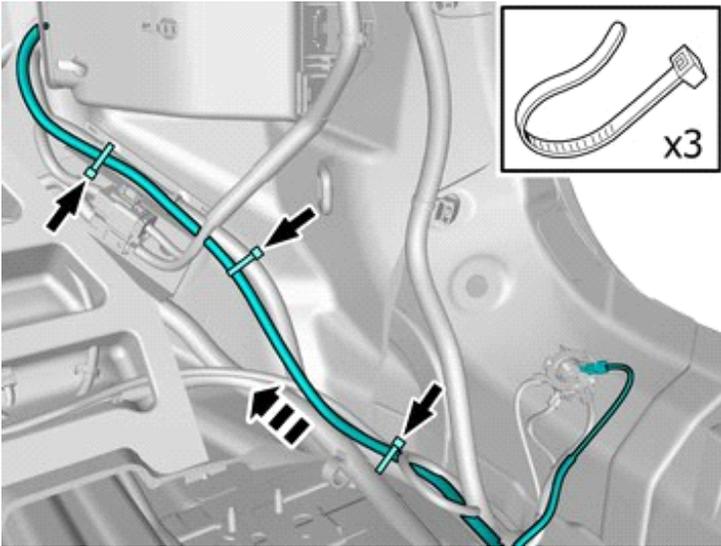
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IMG-388633

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IMG-447160

Position/route the cable as illustrated.

Install the cable.

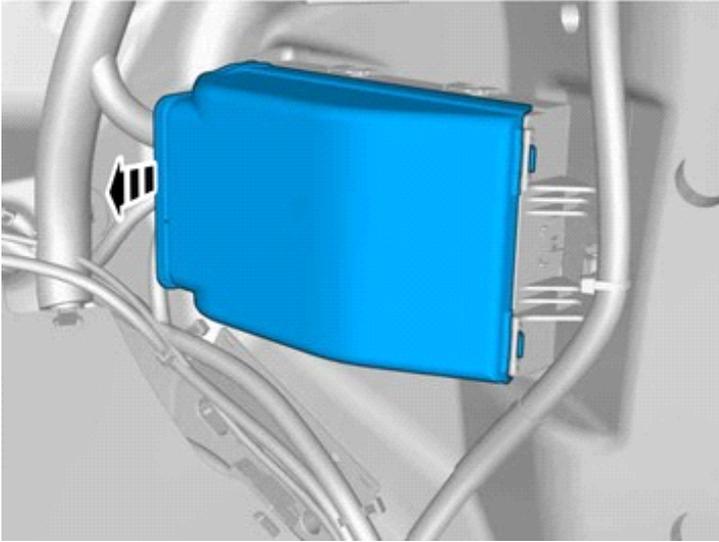
Use a cable tie



Installation instructions, accessories

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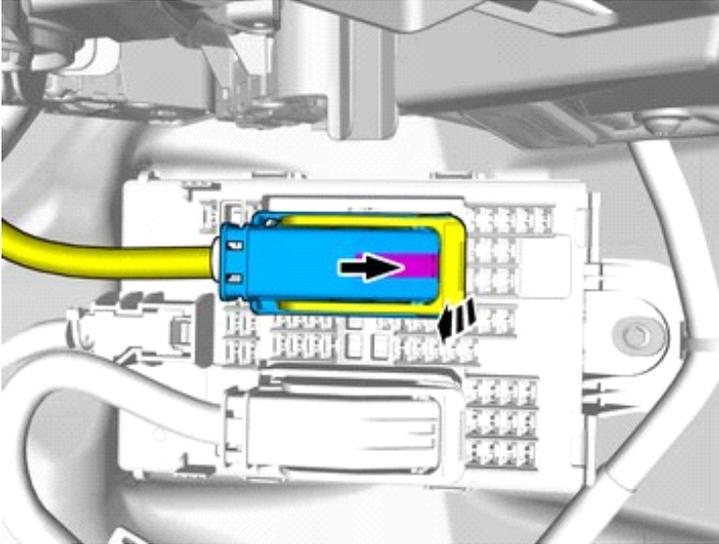
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IMG-419346

Remove the marked part.

44



IMG-446330

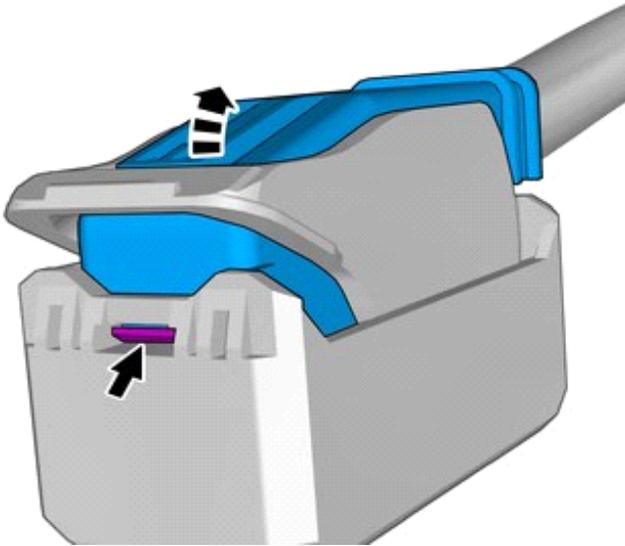
Release the connector's catch.



Installation instructions, accessories

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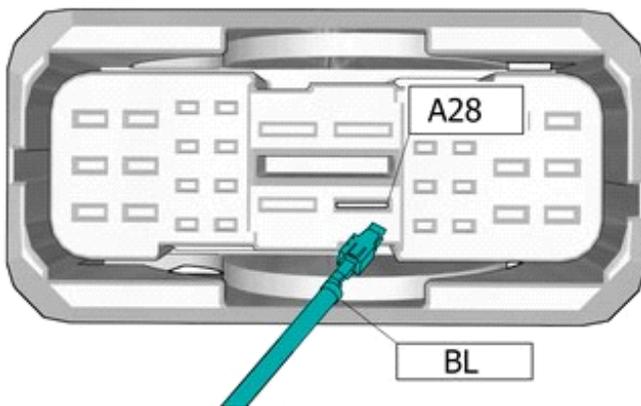
Depress the locking device.

Remove the marked part.

IMG-419701

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Connect the cable.



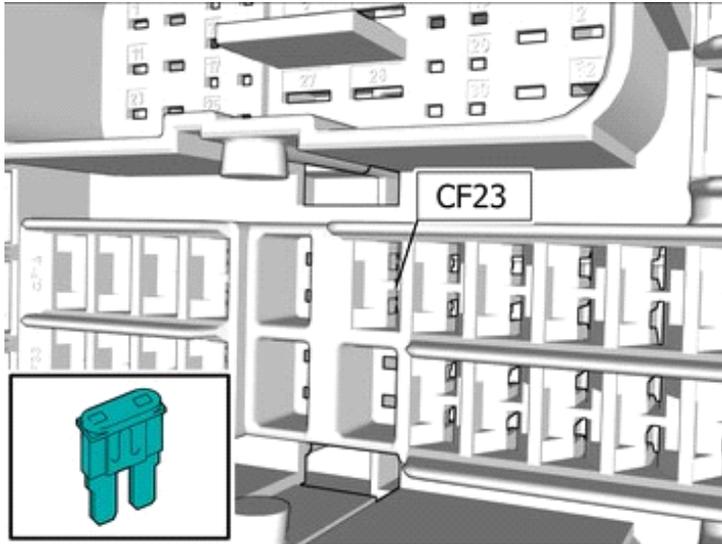
IMG-448986



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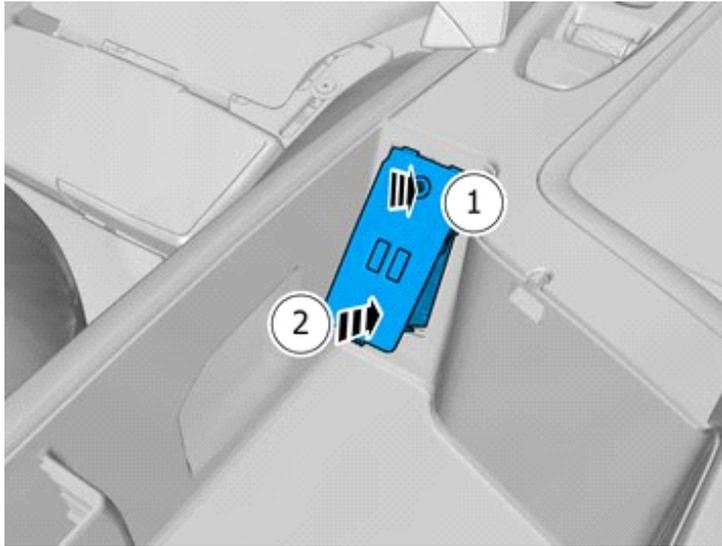


IMG-448165

Install component that comes with the accessory kit.

On some vehicles fuse might be premounted.

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IMG-438528

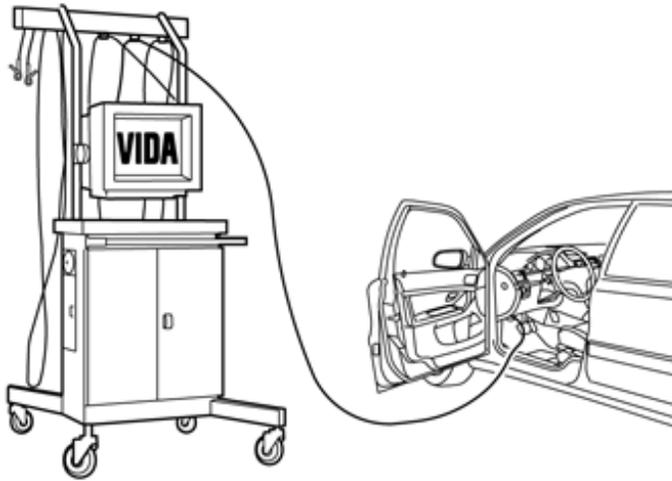
Install the marked component.



Installation instructions, accessories

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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.

First, download the software for USB, then Smartphone Integration.

Installation

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Reinstall the removed parts in reverse order.
