



## Volvo Car Customer Service

QB Instruction VCC-523313-1

<b>Title</b>	Accelerator pedal (without corrosion)	<b>Page</b>	1 ( 17 )
<b>Action</b>	Connector inspection and ground wire installation	<b>Operation number:</b>	97901-2

<b>Issue</b>	<b>Date</b>	<b>Reason</b>
1	2022-04	First issue

### Affected vehicles

<b>Model year</b>	<b>Model</b>	<b>Engine</b>
2021, 2022	XC40	E400V6

### Materials

<b>Materials</b>	<b>Qty.</b>	<b>Part No.</b>	<b>Notes</b>
Splice	1.0	9130467	
Electrical tape	0.1		Shop supplies
Cable tie	3.0	983750	
Thread locker normal	0.1	1161053	Shop supplies
Wiring harness	1.0	32301988	

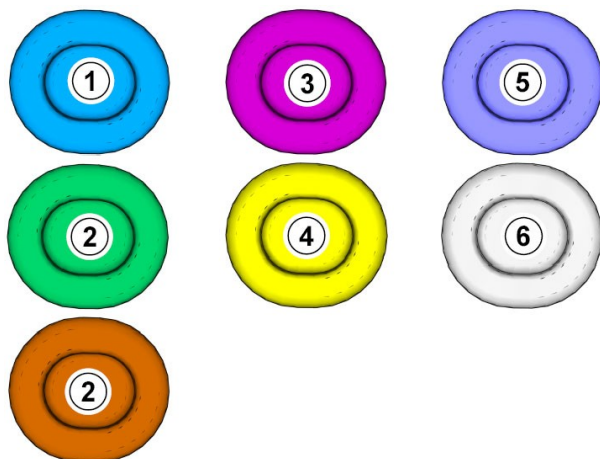
### Special tools

<b>Description</b>	<b>Part No.</b>
Clip tool	981 4187
Crimping tool (included in 9512669)	951 2785
Hot-air gun	951 2777
Terminal removal tool (Color code: RED)	951 2632
Stripping tool (for wiring)	951 2620

### Equipment

<b>Designation</b>	<b>Part No.</b>
Pliers	

### Color symbols



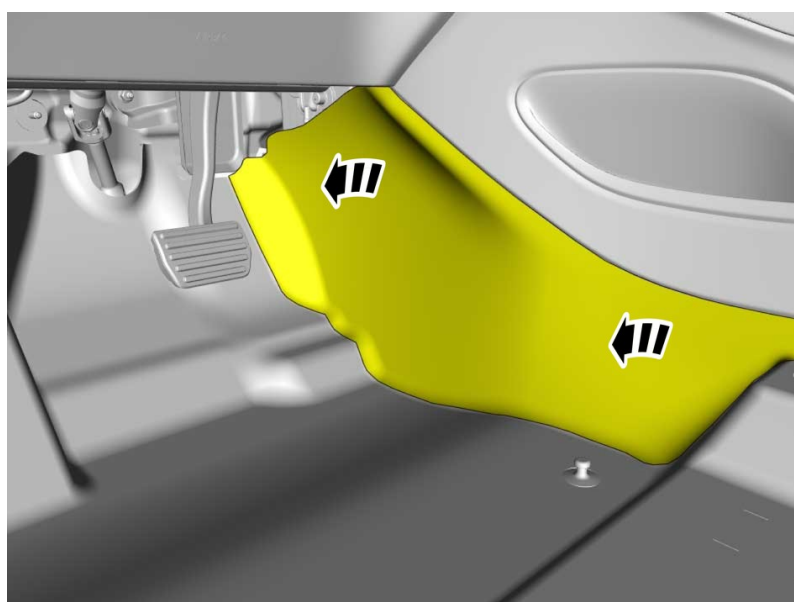
**Note! This colour chart displays (in colour print and electronic version) the importance of the different colours used in the images of the method steps.**

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.

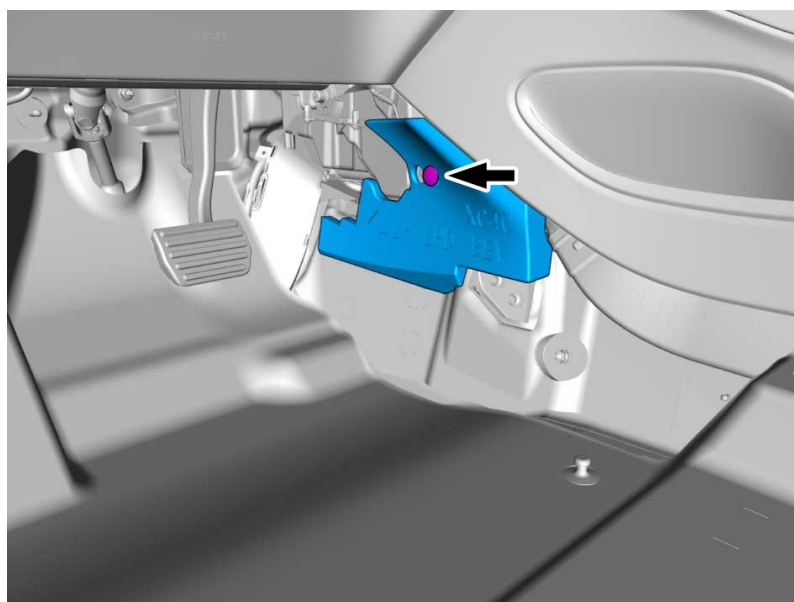
### Removal

Set the vehicle to Inactive mode, described in user mode , refer to:

- General Information
- 3 - Electrical system
- 30 - General
- 300 - general

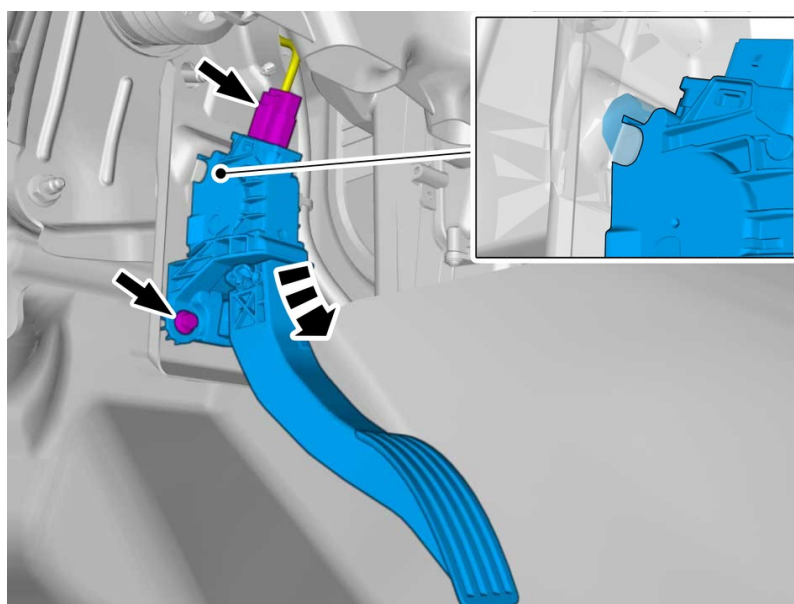


Fold the carpet aside.



Remove the clip.

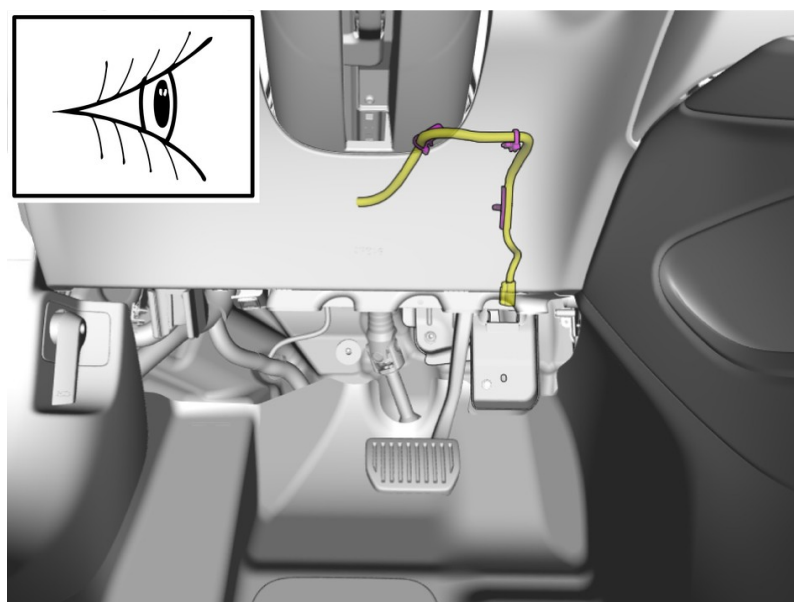
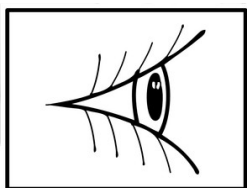
Remove the marked part.



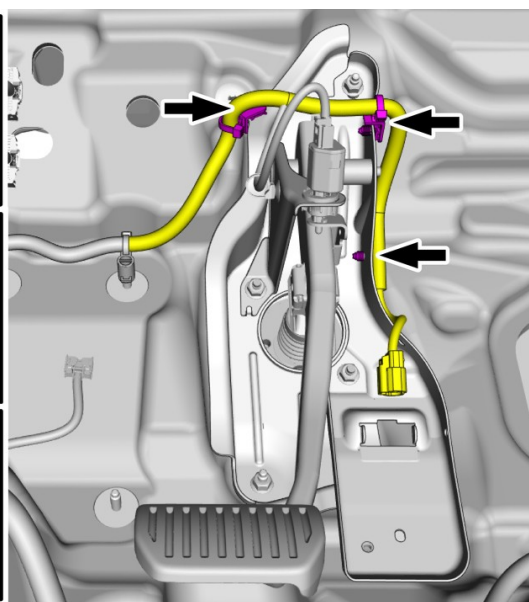
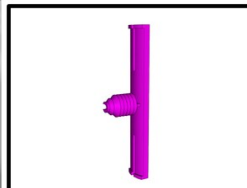
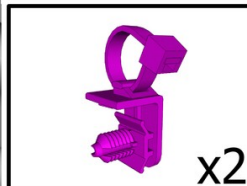
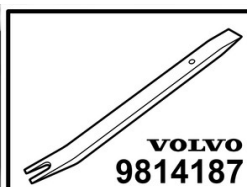
Disconnect the connector.

Remove the screw.

Remove the marked part.

**Note! Orientation view**

Note position of components.

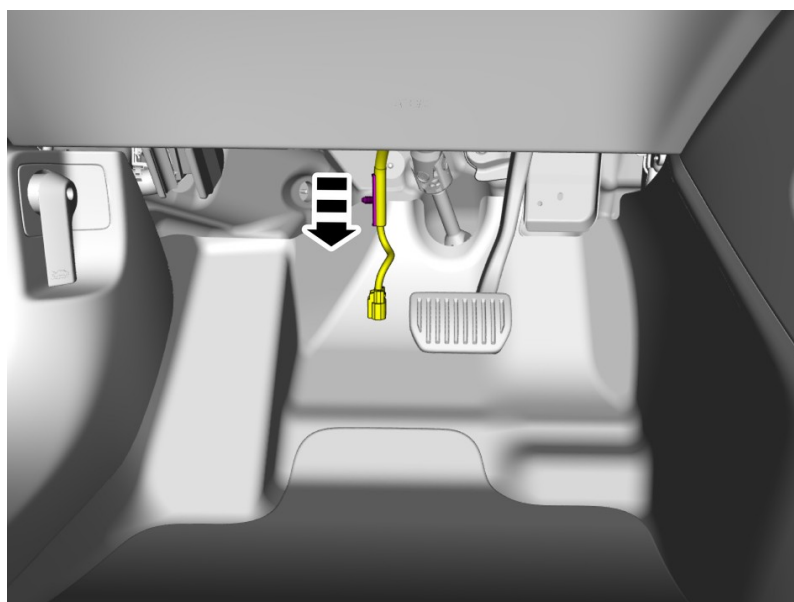
**Caution! Observe caution when carrying out this step.**

Background details are often deleted to make the picture clearer.

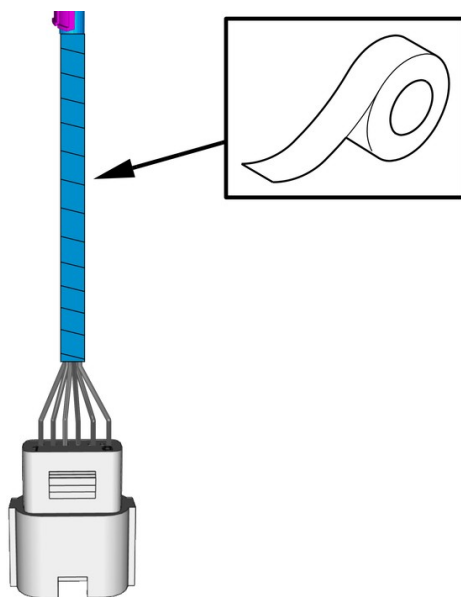
Remove the cable harness clips.

Special Tool: T9814187, Clip tool

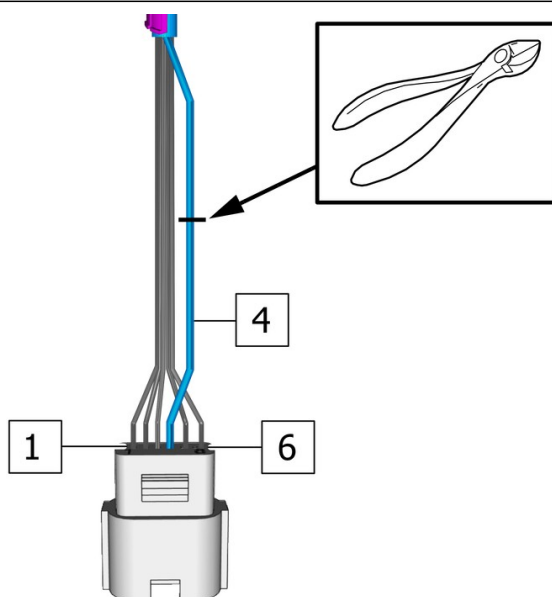
Fold the cable harness aside.



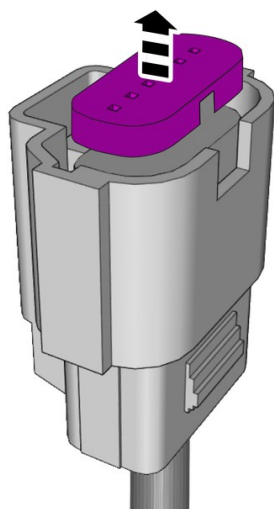
Position / route the cable harness as illustrated.



Remove the tape.



Cut the component according to the image.

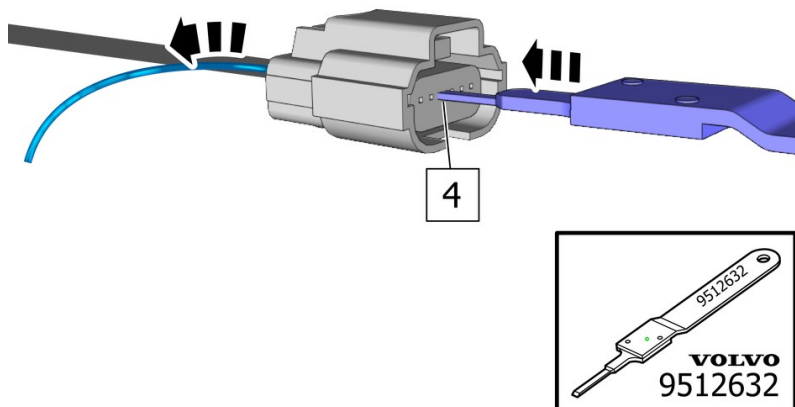


Remove the part carefully  
Remove the marked part.

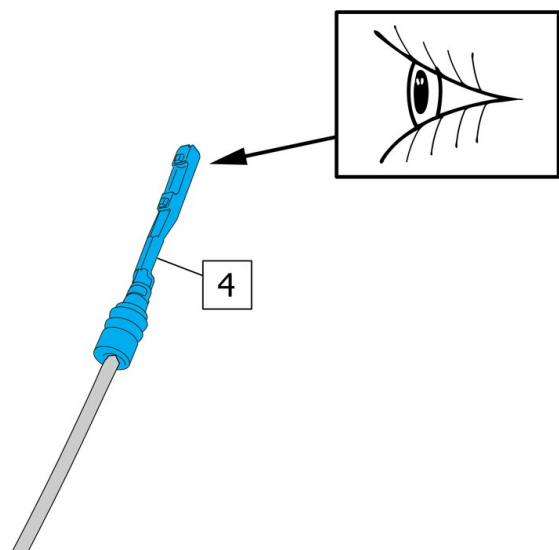
Release the connector's catch.

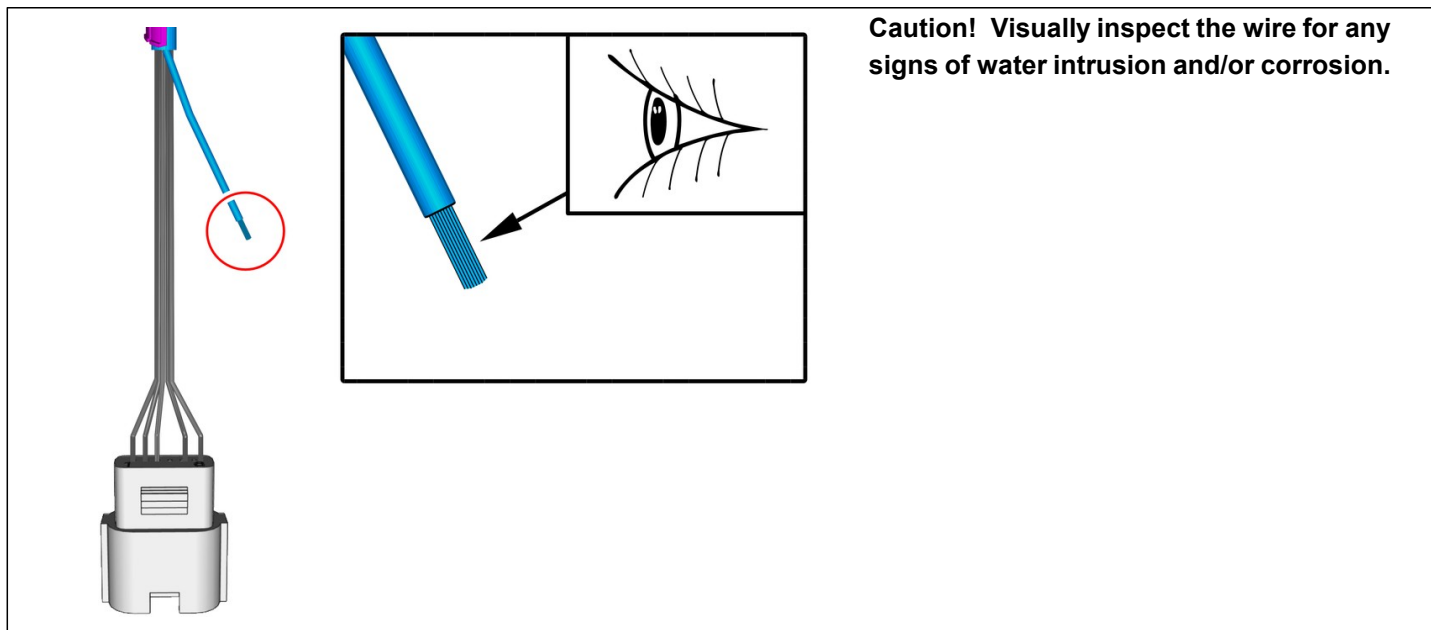
Special Tool: T9512632, Terminal removal tool  
(Color code: RED)

Pull the wiring through.



**Caution! Visually inspect the accelerator pedal connector for any signs of water intrusion and/or corrosion.**



**Check**

**Caution! Visually inspect the wire for any signs of water intrusion and/or corrosion.**

## **NOTE!**

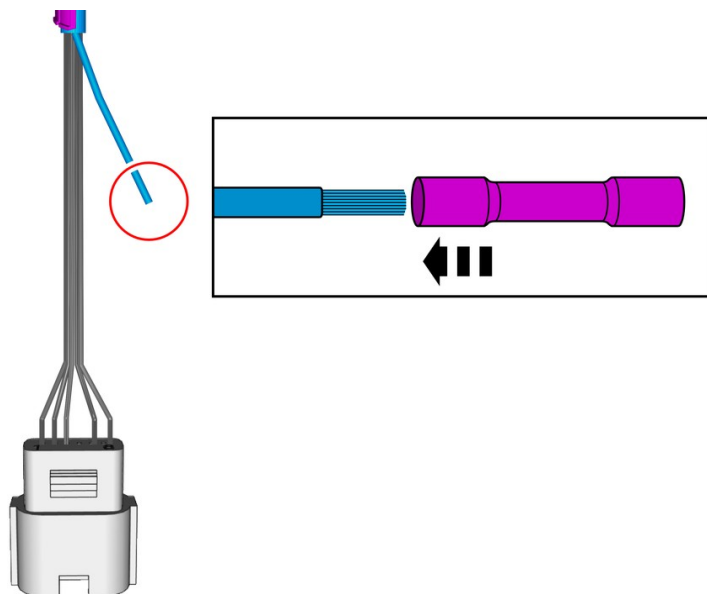
**If water intrusion or corrosion is present in the previous two steps, follow QB instruction VCC-523844-2 - APS Connector Kit Install. Otherwise, continue with this instruction.**



## Modification

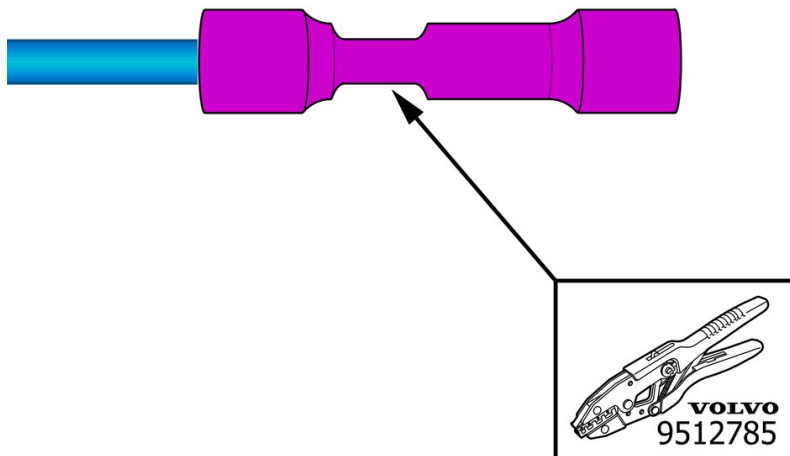
Install the marked component.

**Use:** Splice , 9130467



Press the components together.

Special Tool: T9512785, Crimping tool  
(included in 9512669)



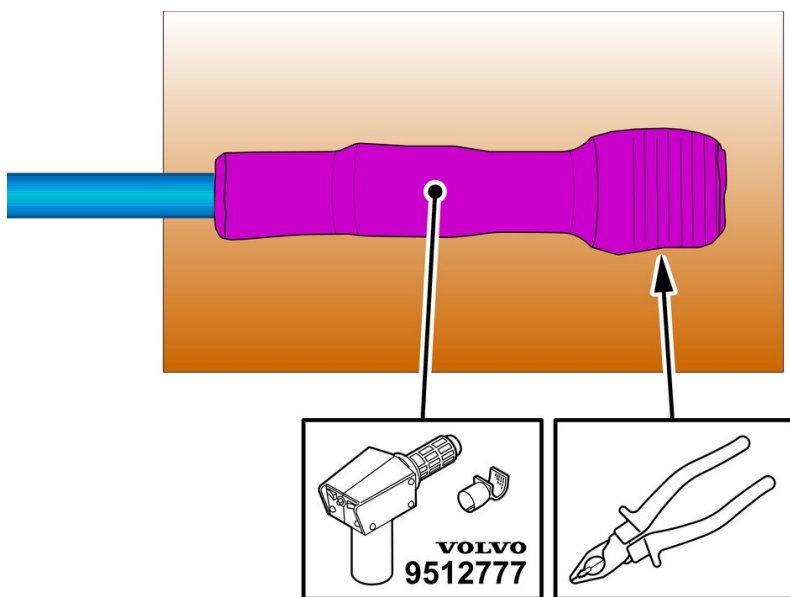
**Caution! Make sure that the surrounding components are protected from heat.**

**Caution! Make sure that all openings are sealed to prevent capillary action (wicking).**

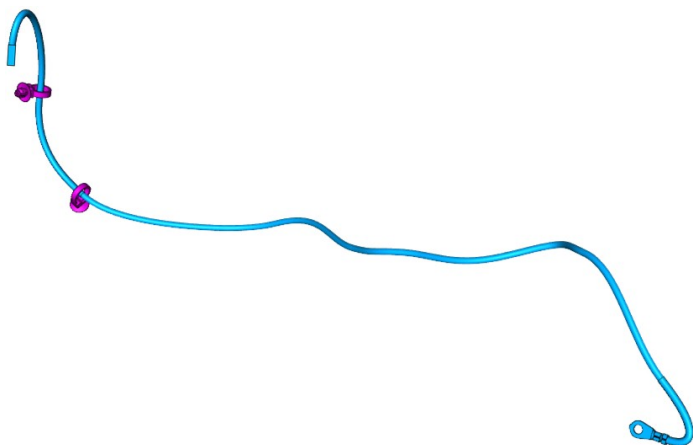
Special Tool: T9512777, Hot-air gun

Heat the splice.

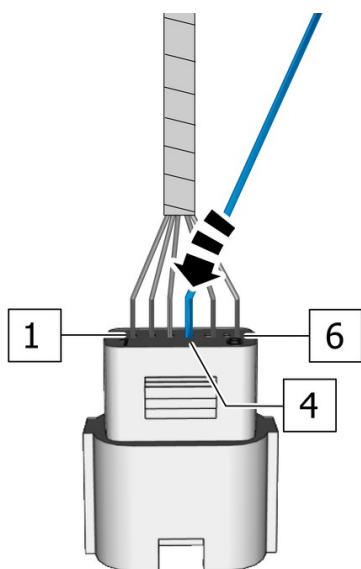
While hot, squeeze the end using pliers to seal it.

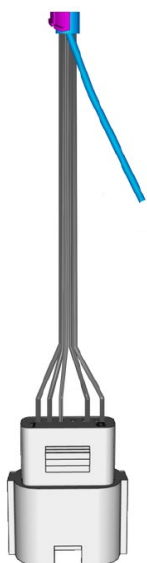


Use: wiring harness, 32301988

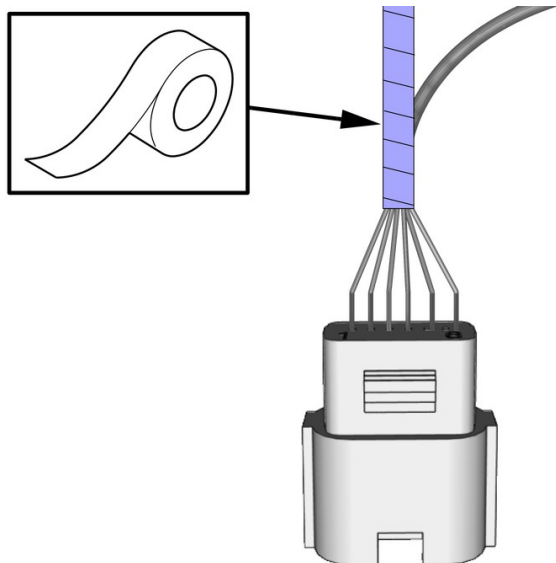


Install the cable.



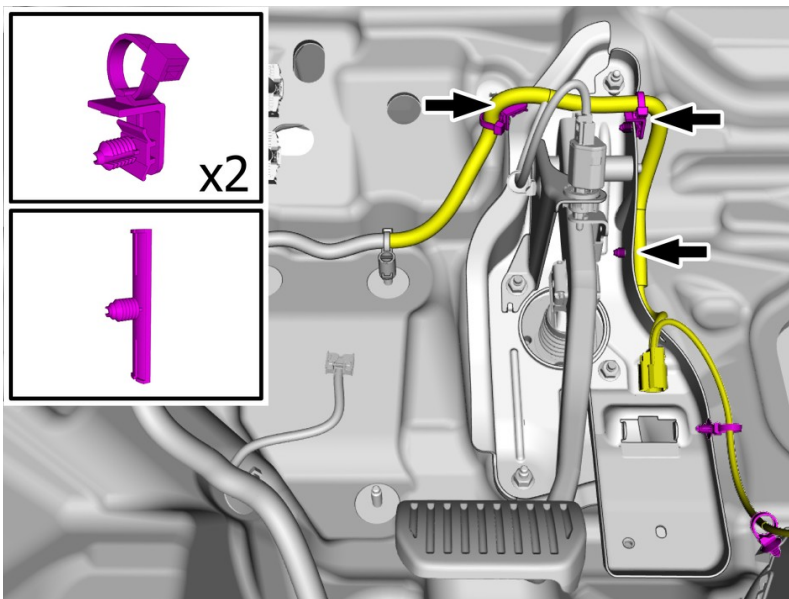
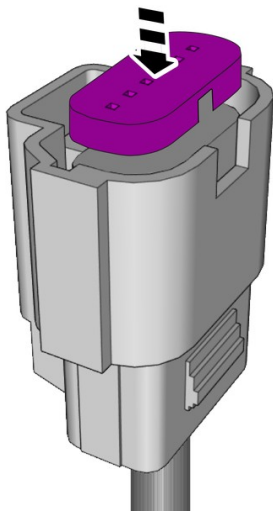


Fold the cut wire back away from connector and secure to harness using tape.



Use: Electrical tape.

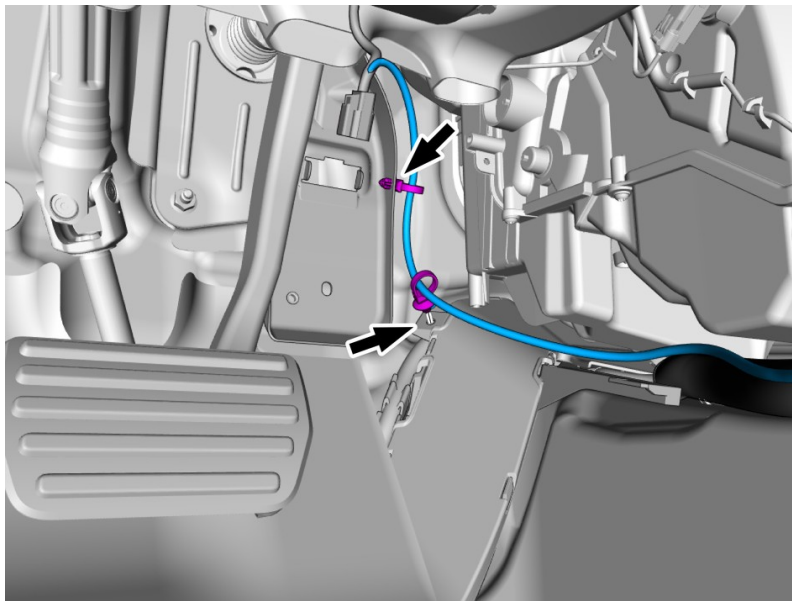
Reinstall the removed part.



Background details are often deleted to make the picture clearer.

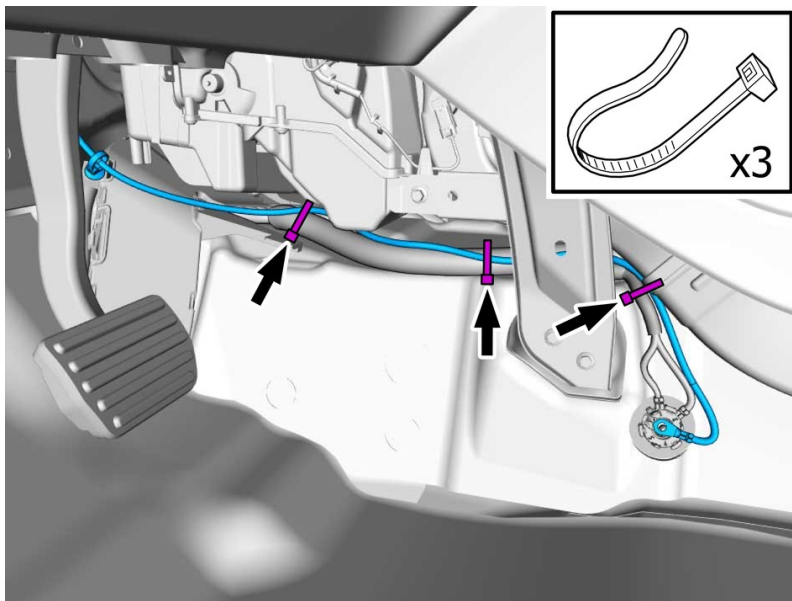
Reinstall the removed part.

Ensure that all clips engage.



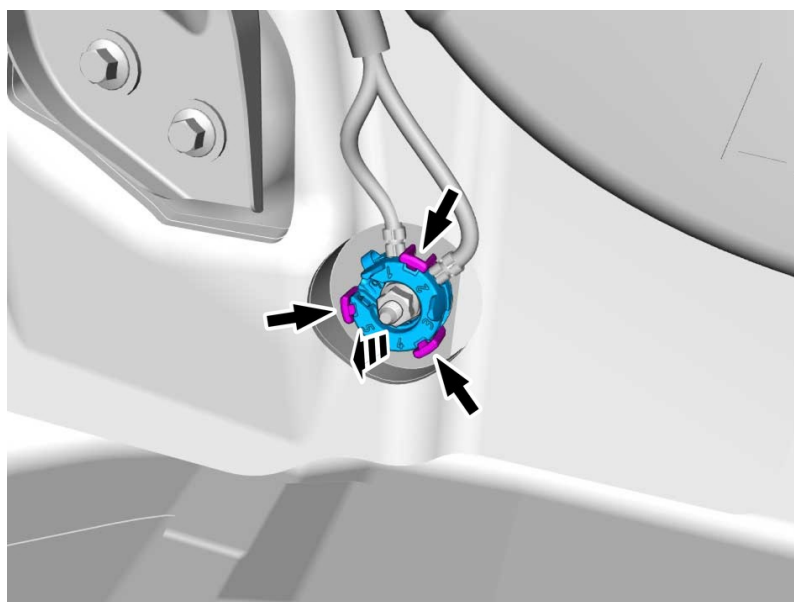
Install the cable.

Ensure that all clips engage.



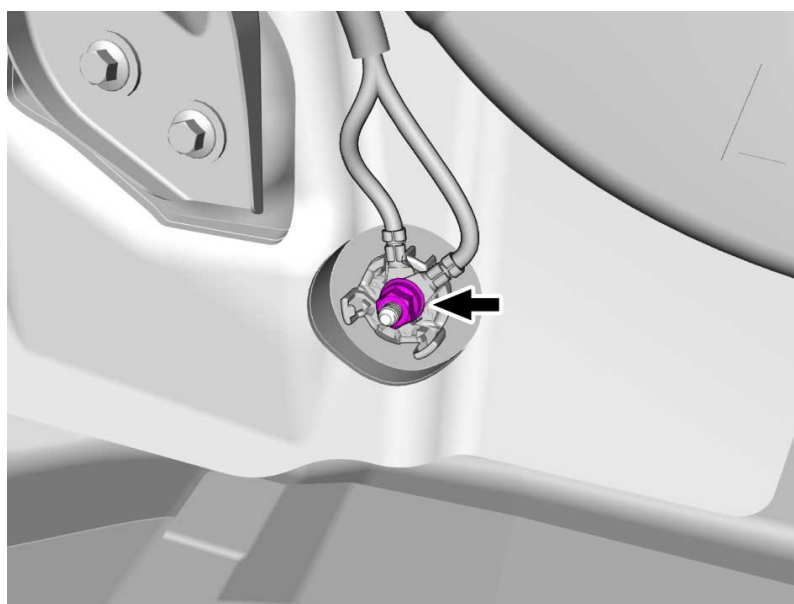
Install the cable.

Use: cable tie, 983750

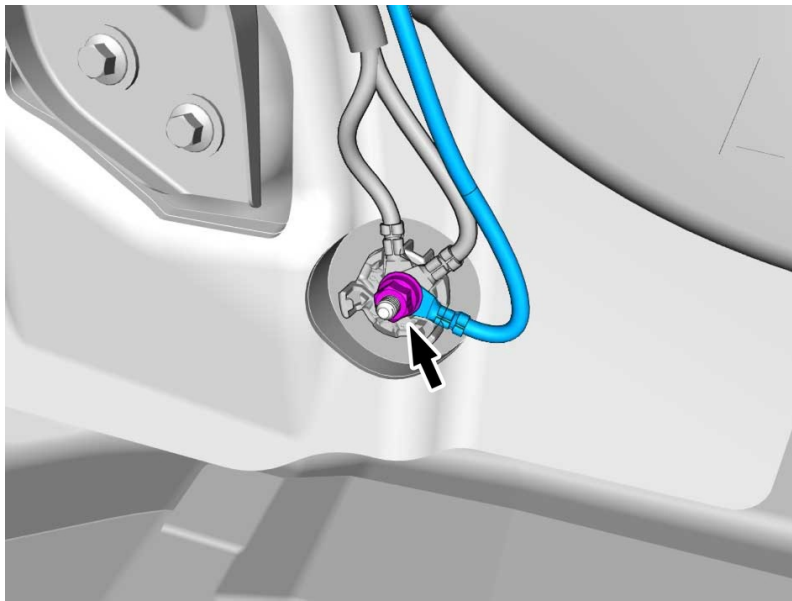


Release the locks.

Remove the marked part.



Remove the nut.

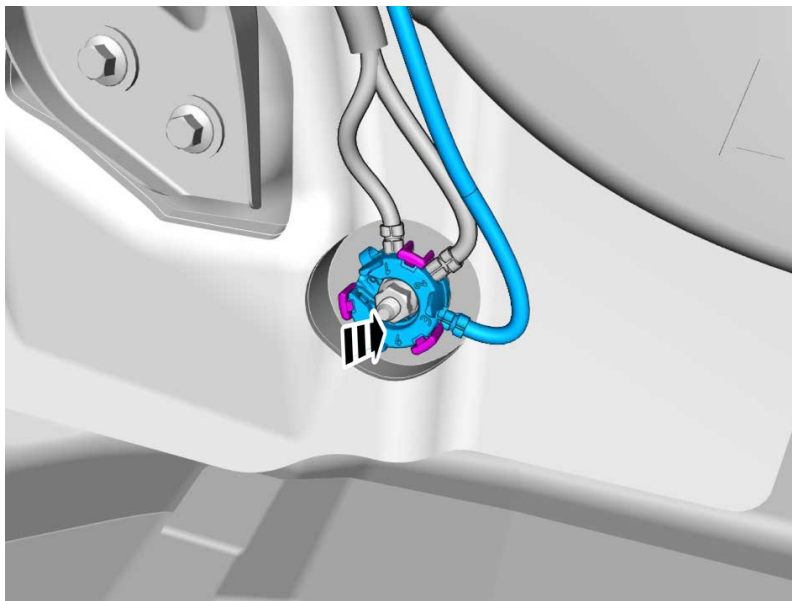


Install component from the repair kit.

Install the nut.

**Torque:**

M6 , 10 Nm

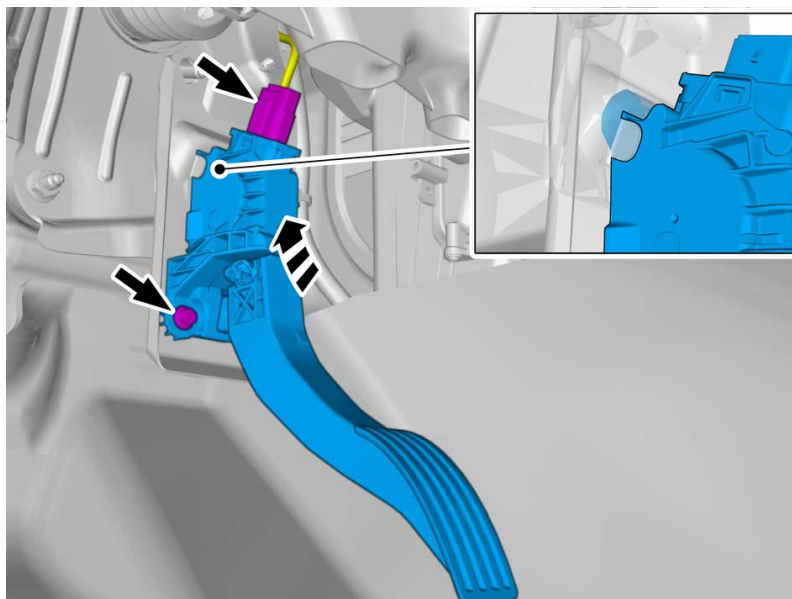


Reinstall the removed part.

Ensure that all clips engage.



## Installation



Install the marked component.

Install the screw.

**Use:** Thread locker normal , 1161053

**Torque:**

M6 , 10 Nm

Connect the connector.

To install, reverse the removal procedure.