



Technical Journal

TITLE:

New spare part - Repair kit for front wheel speed sensor harnessREF NO:
TJ 32740.1.0ISSUING DEPARTMENT:
Technical ServiceCAR MARKET:
United States and CanadaPARTNER:
3 US 7510 Volvo Car USAISSUE DATE:
2017-06-02STATUS DATE:
2017-06-06FUNC GROUP:
3733FUNC DESC:
Cable, ABS

Page 1 of 11

“Right first time in Time”**Attachment**

File Name	File Size
TJI-504552-2_1_1_en-US.pdf	2.6410 MB
VIDA_parts.PNG	0.1890 MB

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
234							2017-9999		-	201617-999952
235							2017-9999		-	201624-999952
236							2017-9999		-	201646-999952
238							2017-9999		-	201646-999952

CSC Customer Symptom Codes

Code	Description
3L	Technician information/Repair information/Not for warranty use

VST Operation Number

VST Operation Number	Description
98684-2	Cable ABS sensor replace acc. to TJ

DTC Diagnostic Trouble Codes



Text

DESCRIPTION:

A repair kit for the front wheel speed sensor harnesses is now available.

SERVICE:

Repair procedure and spare part numbers are included in the attachment.

VEHICLE REPORT:

N/A.

To view TJ attachment continue to next page. This TJ has two attachments.



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Work List

Customer Symptom Codes

Technical Journals

Operators and Packages

Parts

Parts




Diagram showing the cable harness assembly in the engine compartment. The diagram includes numbered callouts (1-14) corresponding to the parts list. A detailed view of the harness is shown at the bottom left.

372 | Cable harness engine compartment, 64304732, L.H.O

Expand all notes

Fig.	Part No.	Description	Qty.	PS
6	30524255	Flange screw SUNCO	2	
7	31412521	Bracket	1	
8	30524255	Flange screw SUNCO	1	
9	905212	Flange nut SUNCO	4	
10	30524255	Flange nut SUNCO 4	1	
11	31412522	Wiring harness	1	
12	905230	Flange screw SUNCO	1	
13		Cable harness	1	NO
14			1	NO
15	31057054	• Wiring harness, left-hand front ABS sensor, repair kit (When replacing the cable harness, also order a repair kit)	1	
	31057055	• Wiring harness, right-hand front ABS sensor, repair kit (When replacing the cable harness, also order a repair kit)	1	

Result 1 - 15 of total 15



Volvo Car Customer Service

TJ Instruction VCC-504552-2

Title	Anti-lock Brake System (ABS) wiring	Page	1 (8)
Action	New Spare Part	Operation number:	98684-2

Affected vehicles

Model year	Model
2017, 2018	S90 (17-)
2017, 2018	V90 (17-)
2017, 2018	V90 Cross Country

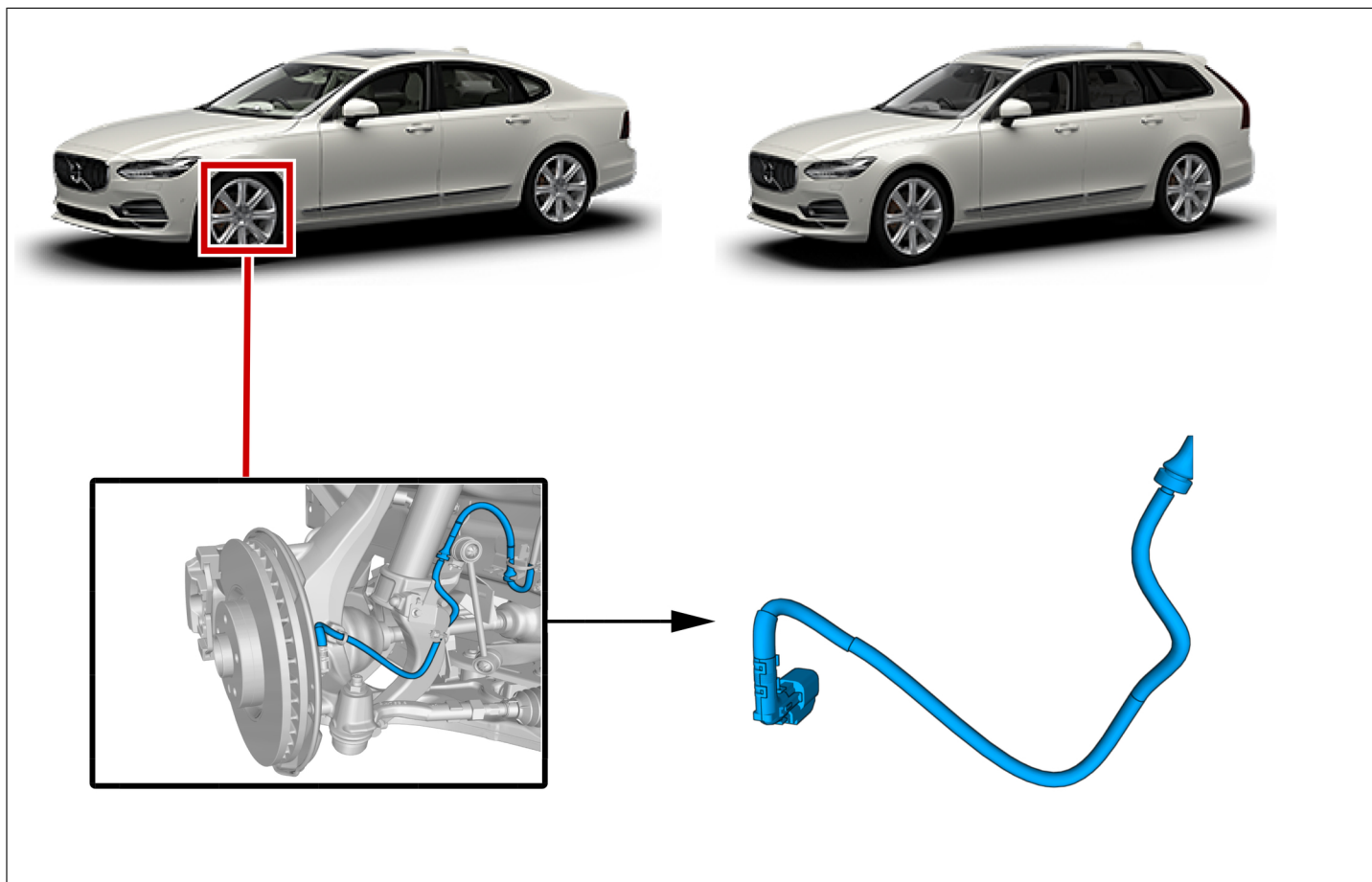
Materials

Materials	Qty.	Part No.	Notes
Electrical tape	0.1	9511028	Consumable
Tape	0.1	Wurth 1985615	Consumable
Strip clamp	1.0	983750	
Wiring harness	1.0	31687655	Right Side
Wiring harness	1.0	31687654	Left Side
Splice	2.0	9130467	

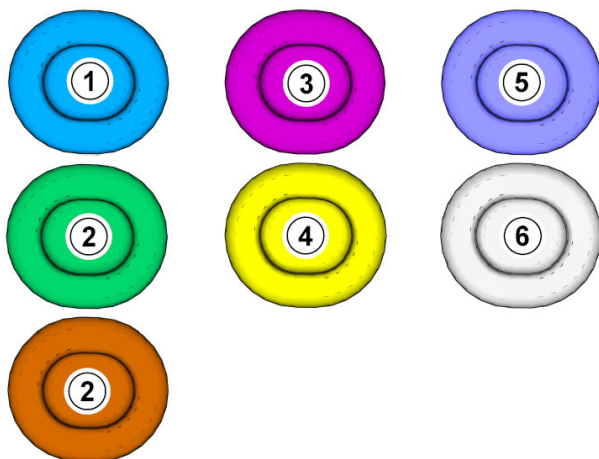
Removal

Note! Removal steps in this procedure may contain installation details.

Orientation view



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.

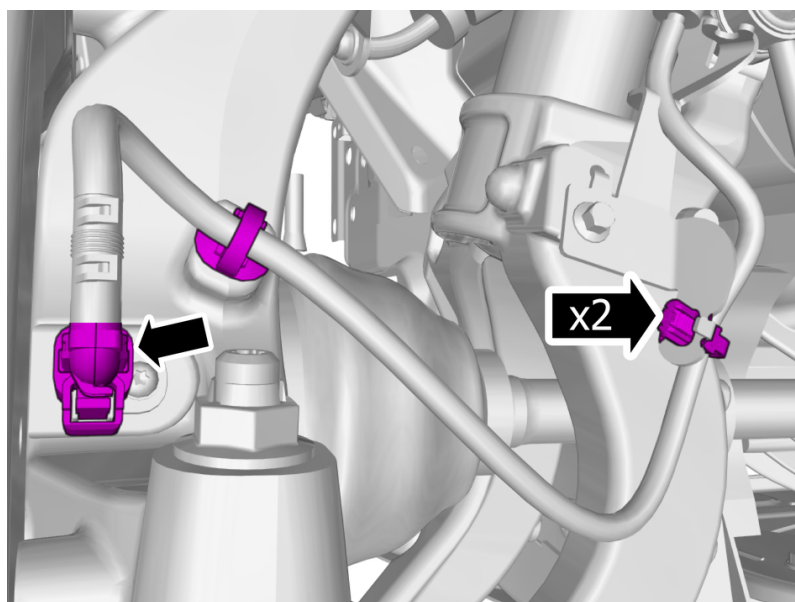
- 1 . Used for focused component, the component with which you will do something.
- 2 . Used as extra colors when you need to show or differentiate additional parts.
- 3 . Used for attachments that are to be removed/installed. May be screws, clips, connectors, etc.
- 4 . Used when the component is not 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.

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

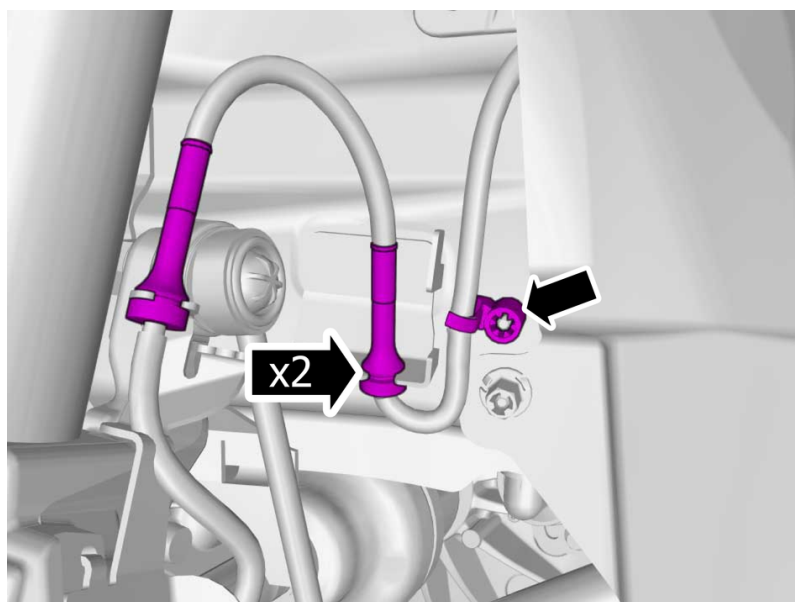
General Information
 3 - Electrical system
 30 - General
 300 - general

Remove relevant side front wheel , refer to:

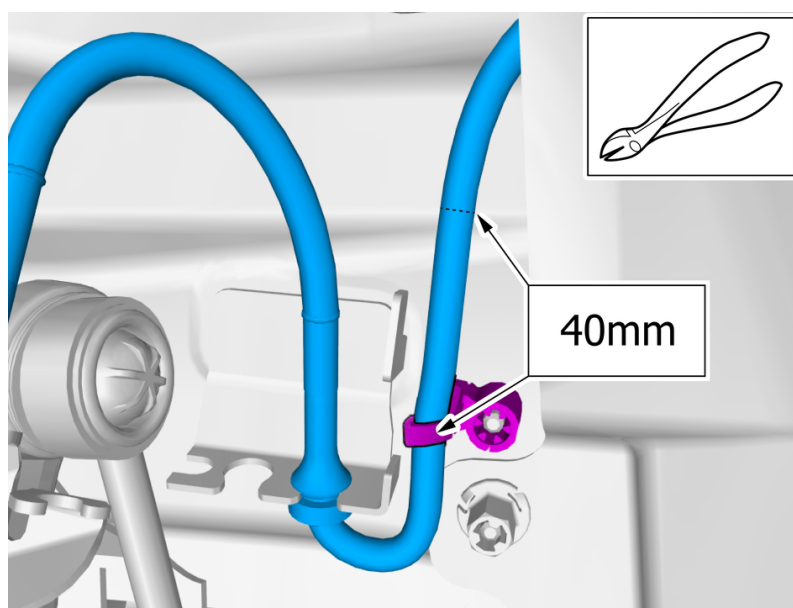
Removal, replacement and installation
 7 - Springs and wheels
 77 - Wheels, tyres, hubs
 771 - wheel and wheel trim



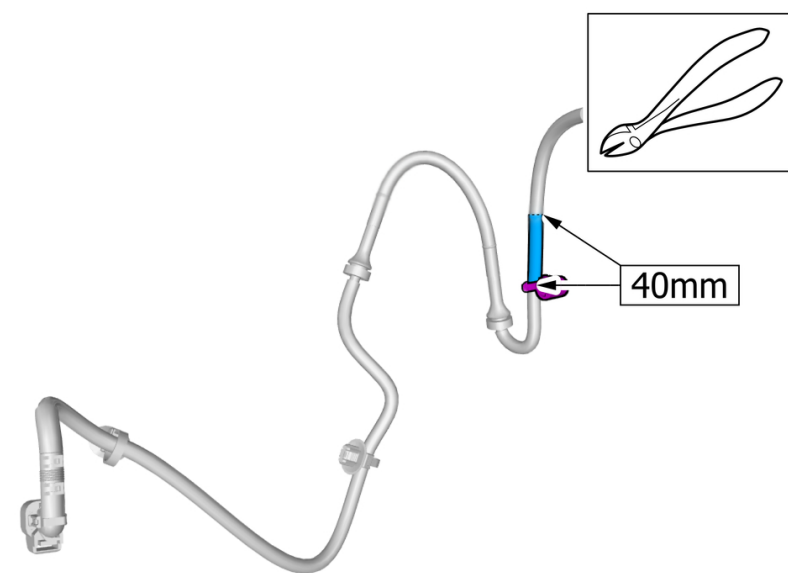
Disconnect the connector.
Loosen the clips.



Loosen the clip.
Remove the fasteners.



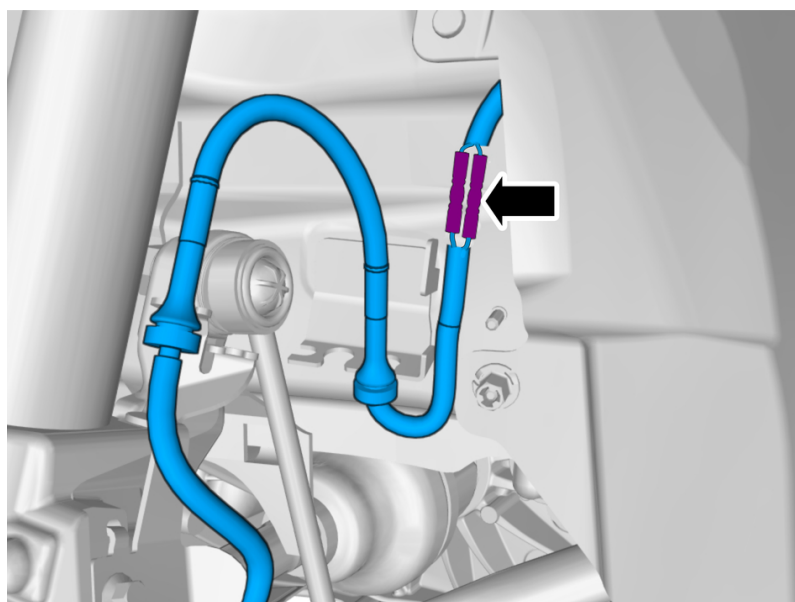
Measure and mark as illustrated.
Cut



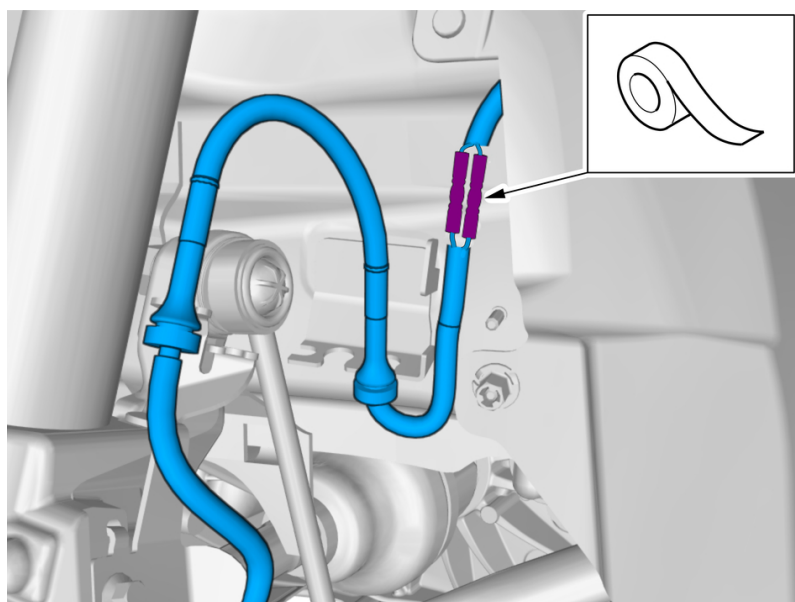
This step is performed on new component.

Installation

Carry out splicing of wire , refer to:
Cleaning, Inspection and Adjustment
3 - Electrical system
37 - Cables and fuses
371 - cables



Make sure to place the joint where indicated in the graphic.



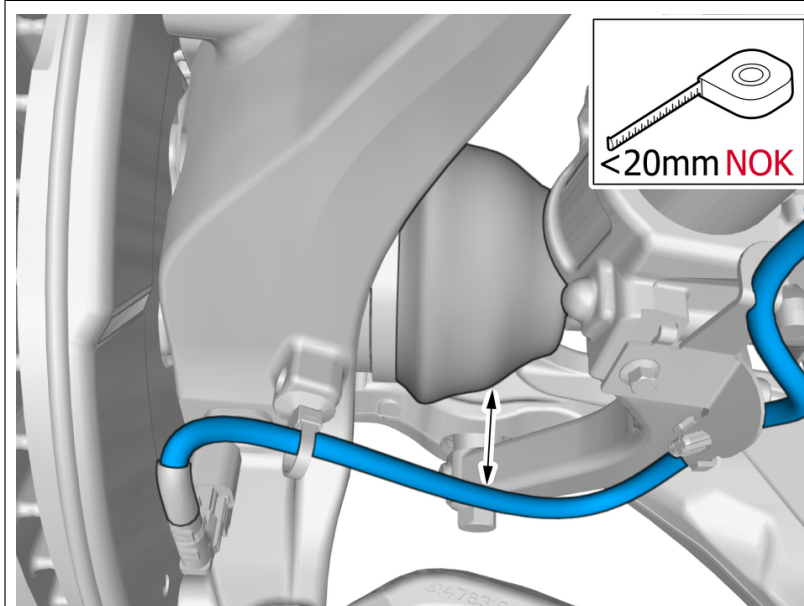
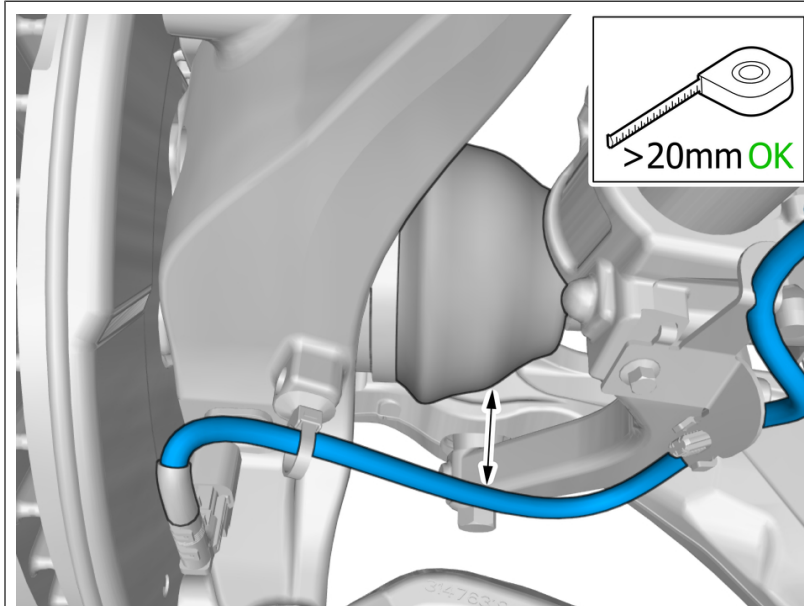
- 1 · **Use:** Electrical tape , 9511028
- 2 · **Use:** Tape , 9511071

To install, reverse the removal procedure.

Check

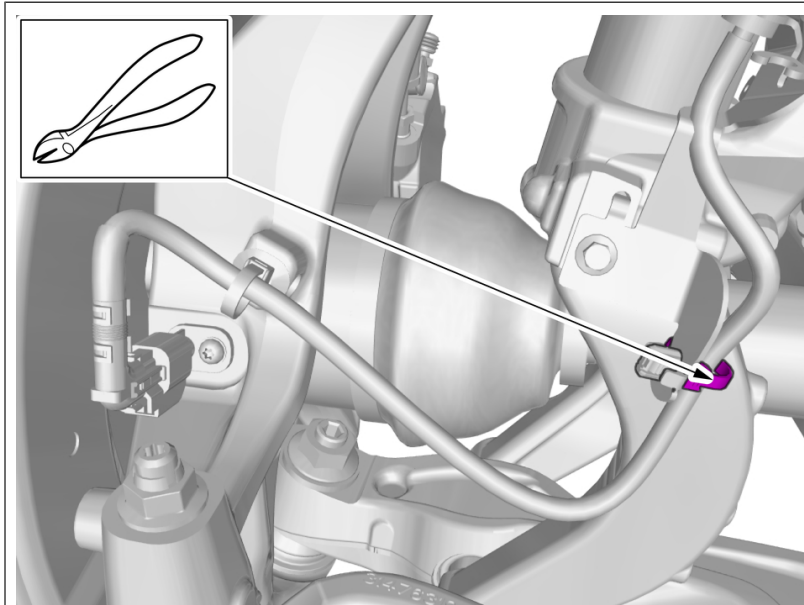
Note! Normal load on springs and suspension is essential. Use lifting equipment that lifts the vehicle by the wheels, not by chassis lifting points.

Position the vehicle on a flat, horizontal surface with the wheels pointing straight ahead.

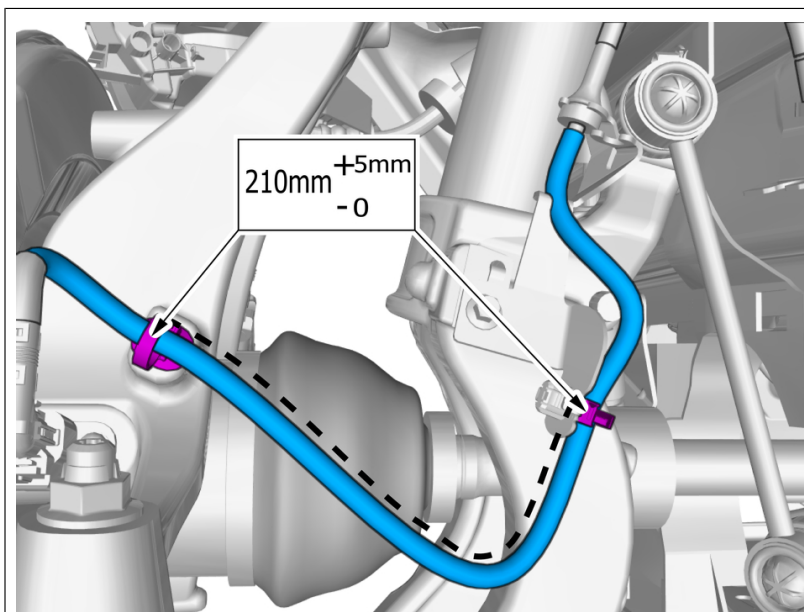


Note! If the result is not within the specified tolerances, follow the step below.

Adjustment



Remove the cable tie(s).



Use: Strip clamp , 983750

Wiring length between the points indicated in the graphic: 210 - 215 mm.
If necessary, twist the wiring somewhat before installing to adjust the distance.