



# Technical Journal

TITLE:  
**Gurgling sound from sunroof area, while driving in the rain**

<b>REF NO:</b> TJ 34532.1.0	<b>ISSUING DEPARTMENT:</b> Technical Service	<b>CAR MARKET:</b> United States and Canada	
<b>PARTNER:</b> 3 US 7510 Volvo Car USA		<b>ISSUE DATE:</b> 2019-04-29	<b>STATUS DATE:</b> 2019-05-03
<b>FUNC GROUP:</b> 8369	<b>FUNC DESC:</b> Miscellaneous	Page 1 of 7	

“Right first time in Time”

## Attachment

File Name	File Size
TJ 34532 Gurgling noise Audio.mp3	0.4733 MB
TJI-516846-1_1_0_en-US.pdf	1.1511 MB

## Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
536							2019-9999		0000329-9999999	201746-999952

## CSC Customer Symptom Codes

Code	Description
ZB	Sun/moon/convertible roof/Wind noise

## VST Operation Number

VST Operation Number	Description
98728-2	Sunroof drainage hose extention acc. to TJ34532

## DTC Diagnostic Trouble Codes

## Text

**DESCRIPTION:**

Gurgling sound from sunroof area, while driving in the rain, see attached [mp4-file](#), noise is coming from the sunroof /A-pillar area while driving in the rain. The noise is louder when the sunshade is open. please follow the description under “service”.

**SERVICE:**

In certain conditions, wind turbulence may prevent the water from drain properly.

Extend the sunroof front drain hoses by following the attached method.

**VEHICLE REPORT:**

Yes, please submit a Vehicle Report if the service solution described in this TJ has no effect. Use concern area “Vehicle Report” and sub concern area “Support not needed”, use function group 8369.

**To view TJ attachment continue to next page. This TJ has one attachment and one sound file.**



## Volvo Car Customer Service

TJ Instruction VCC-516846-1

<b>Title</b>	Sunroof draining hose	<b>Page</b>	1 ( 5 )
<b>Action</b>	Adjustment	<b>Operation number:</b>	98728-2

Issue	Date	Reason
1	2019-04	First issue

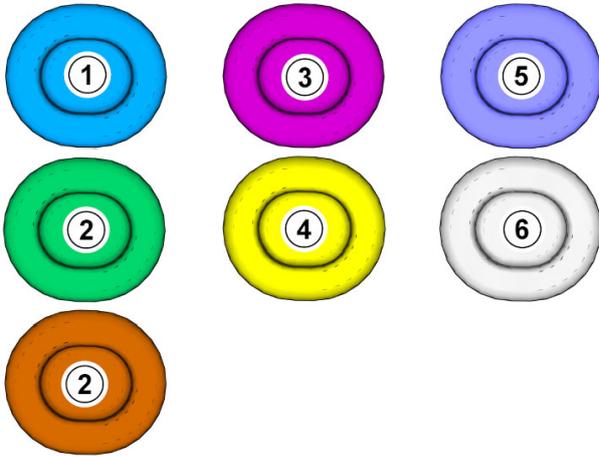
### Affected vehicles

Model year	Model
2019	XC40

### Materials

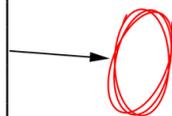
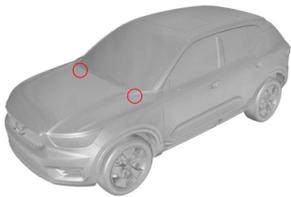
Materials	Qty.	Part No.	Notes
Hose	1.0	31371480	

## Color symbols

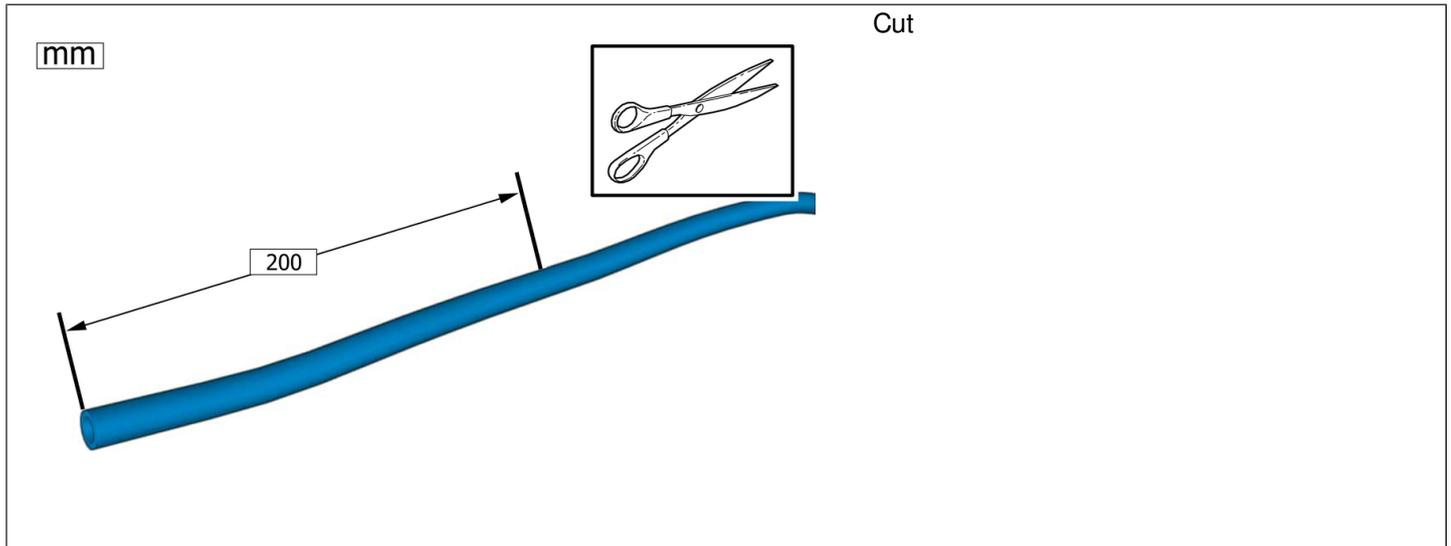


**Note! This colour chart displays (in colour print and electronic version) the importance of the different colours used in the images of the method steps.**

- 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.



**Note! Orientation view**



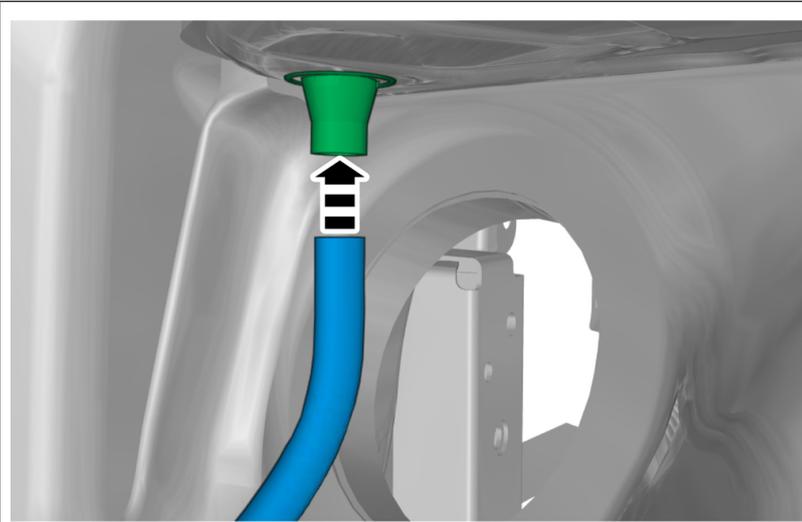
### Removal

Remove the plenum cover , refer to:  
Removal, replacement and installation  
8 - Body and interior  
82 - Bonnet (Hood), front end, wings,  
door sill  
823 - radiator grille

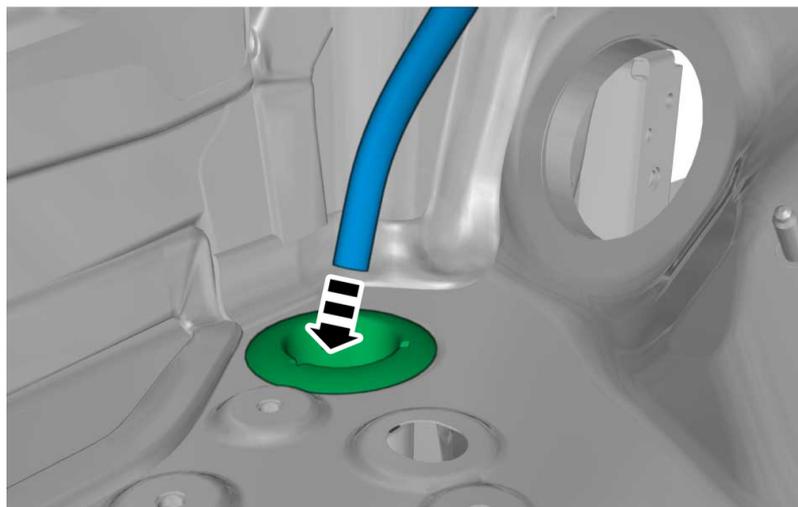
Remove the wiper mechanism, windscreen ,  
refer to:  
Removal, replacement and installation  
3 - Electrical system  
36 - Other electrical equipment  
363 - cleaner

Remove woofer, front , refer to:  
Removal, replacement and installation  
3 - Electrical system  
39 - Media, communication and  
navigation  
395 - radio equipment

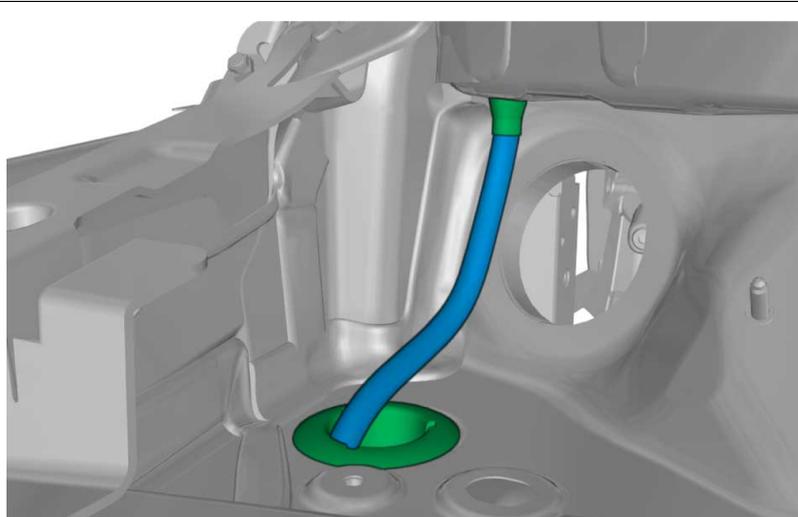
Installation



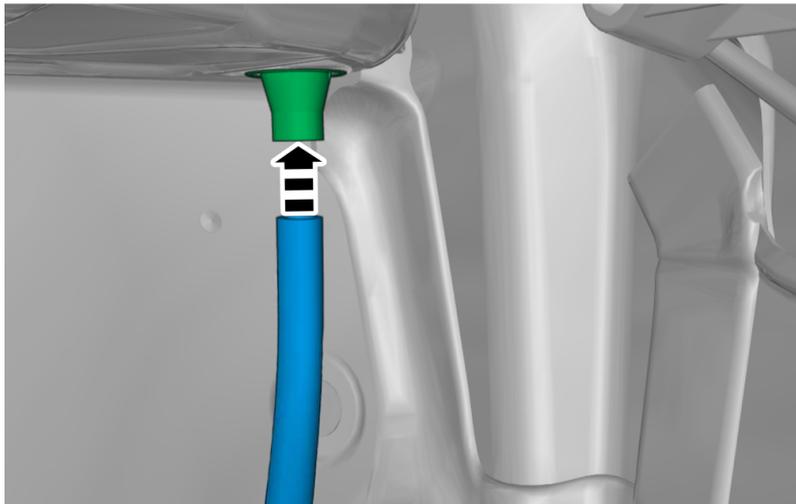
Left-hand side



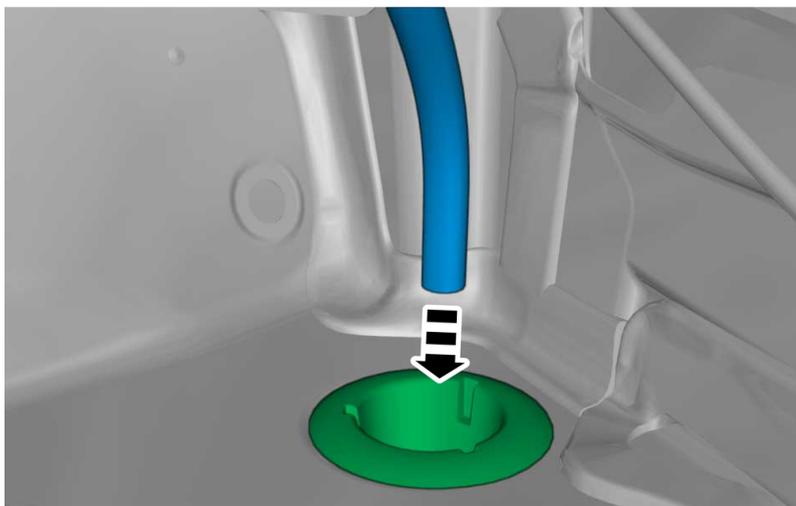
Left-hand side



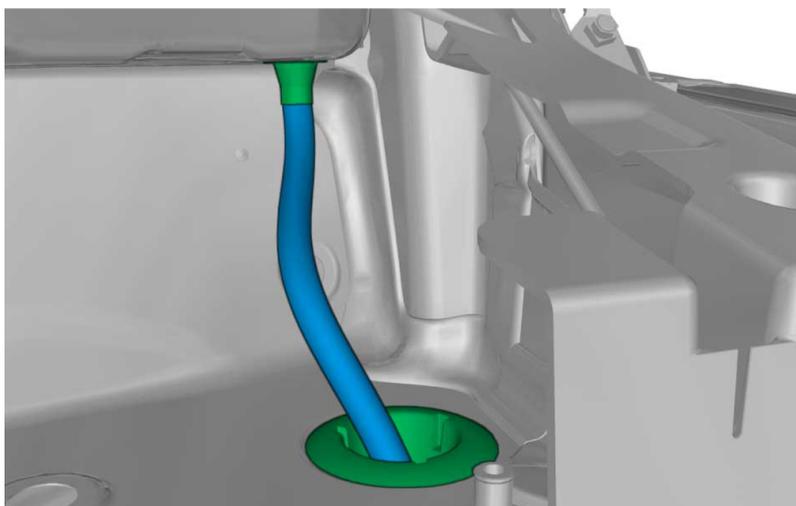
Left-hand side



Right-hand side



Right-hand side



Right-hand side

To install, reverse the removal procedure.