



---

Jason Guidi

---

Director - Regulatory & Compliance

---

April 17, 2019

Subject: Recall R29936

TO: All U.S. and Canadian Volvo Retailers

**VEHICLES IN RETAILER INVENTORY**

**It is a violation of federal law for a retailer to deliver any new Volvo that is eligible for a recall. Retailers are advised to check all vehicles in inventory for recall eligibility and repair immediately. Violation of this requirement by a retailer could result in a civil penalty of up to \$21,000 per vehicle.**

**Correct all vehicles in your new vehicle inventory before delivery.**

Volvo Car USA LLC and Volvo Car Canada LTD (Volvo) on behalf of Volvo Car Group, has decided to launch Recall R29936 on model year 2016 XC90 vehicles.

Volvo has identified that the coolant bleeder hose (engine side) may degrade over time and crack due to heat and humidity load. This condition can create a coolant leak, and also pose a risk of coolant leaking on the catalytic converter. If the coolant leak goes unnoticed, coolant may accumulate in the catalytic converter heatshield insulation and, in a worst case scenario, over time this might result in a fire in the engine compartment area when the vehicle is stationary.

The corrective action is to replace the engine side coolant bleeder hose.

A total of 34,006 U.S. and 2,721 Canadian vehicles are eligible for this recall.



Vehicle eligibility must be confirmed:

- Vehicle Inquiry – Vehicle Warranty where the message "Recall R29936 Coolant Bleeder Hose" will appear for eligible vehicles or check eligibility in TIE.
- All vehicles not yet delivered to end customers must be corrected prior to delivery.

If you have any questions concerning this recall send them to [recall@volvocars.com](mailto:recall@volvocars.com).

#### **OWNER NOTIFICATION**

The owner notification letters are scheduled to be mailed by June.

#### **PARTS / PARTS RETURN**

Please refer to Parts Bulletin R29936.

No parts are required to be returned for this recall.

#### **CLAIM SUBMISSION**

Please refer to the claim submission information in the attached Quality Bulletin.

#### **RETAILER RESPONSIBILITIES**

Retailers must perform this recall campaign on eligible vehicles regardless of miles/kilometers or vehicle age. All work performed under this recall is free of charge to the owner. As the safety of our customers is our upmost priority, we are taking full responsibility to ensure the highest quality and safety standards for our cars.

If you have questions about this recall or any other field service action, please contact me or any member of the Product Safety and Compliance office.

Your cooperation in completing this important recall is greatly appreciated.

Drive Safely,

A handwritten signature in black ink that reads "Jason Guidi". The signature is written in a cursive, flowing style.

Jason Guidi

Director - Regulatory & Compliance

201-768-7300

[jason.guidi@volvocars.com](mailto:jason.guidi@volvocars.com)



## **Recall R29936: Coolant Bleeder Hose (Engine Side)**

MODEL YEAR 2016

MODEL: XC90

DATE: 04/17/19

MARKET – U.S. AND CANADA

ISSUING DEPARTMENT: WARRANTY

### **BULLETIN REFERENCE PB R29936**

#### **A. RECALL R29936 DESCRIPTION**

#### **B. VEHICLES INVOLVED**

#### **C. PARTS INFORMATION/PARTS RETURN**

#### **D. OWNER NOTIFICATION**

#### **E. VEHICLES IN RETAILER INVENTORY**

#### **F. RETAILER RESPONSIBILITY**

#### **G. CAMPAIGN REIMBURSEMENT PROCEDURES**

#### **H. TECHNICIAN COMPETENCY REQUIREMENT**

#### **I. RETAILER ALLOWANCE**

### **A. RECALL R29936 DESCRIPTION**

Volvo Car USA LLC and Volvo Car Canada LTD (Volvo) on behalf of Volvo Car Group has decided to launch Recall R29936 on model year 2016 XC90 vehicles.

Volvo has identified that the coolant bleeder hose (engine side) may degrade over time and crack due to heat and humidity load. This condition can create a coolant leak, and also pose a risk of coolant leaking on the catalytic converter. If the coolant leak goes unnoticed, coolant may accumulate in the catalytic converter heatshield insulation and, in a worst case scenario, over time this might result in a fire in the engine compartment area when the vehicle is stationary.

The corrective action is to replace the engine side coolant bleeder hose.

A total of 34,006 U.S. and 2,721 Canadian vehicles are eligible for this recall.

### **B. VEHICLES INVOLVED**

**NOTE: RETAILER MUST CONFIRM VEHICLE ELIGIBILITY PRIOR TO BEGINNING THE REPAIR FOR THIS RECALL.**

Vehicle eligibility must be confirmed:

- Vehicle Inquiry – Vehicle Warranty where the message "Recall R29936 Coolant Bleeder Hose" will appear for eligible vehicles or check eligibility in TIE.

All vehicles should be checked for any incomplete recalls or service campaigns or service upgrades. All open Recall, Service Campaign or Service Action repairs should be completed. If you have any questions concerning this recall send them to [recall@volvocars.com](mailto:recall@volvocars.com).

### **C. PARTS / PARTS RETURN**

Please refer to Parts Bulletin R29936.

No parts are required to be returned for this recall.

### **PORT VEHICLES**

All vehicles must be checked for any incomplete recalls or service campaigns or service upgrades prior to delivery.

### **D. OWNER NOTIFICATION**

The owner notification letters are scheduled to be mailed in June.

### **E. VEHICLES in RETAILER INVENTORY**

It is a violation of federal law for a retailer to deliver any new Volvo that is eligible for a recall. Retailers are advised to check all vehicles in inventory for recall eligibility and repair immediately. Violation of this requirement by a retailer could result in a civil penalty of up to \$21,000 per vehicle. Correct all vehicles in your new vehicle inventory before delivery.

### **F. RETAILER RESPONSIBILITY**

All vehicles qualifying for this recall must be repaired prior to a customer taking possession of the vehicle.

### **G. CAMPAIGN REIMBURSEMENT PROCEDURES**

Recall R29936 claims should be submitted using the LONG FORM application only.

### **H. TECHNICIAN COMPETENCY REQUIREMENT**

The technician competency requirement for this campaign repair is: Level 3 - Master Tech.

### **I. RETAILER ALLOWANCE (LONG FORM APPLICATION)**

**Claim Type:** R29936

**Cause Code:** 02

**CSC Code:** XW

**Main OP:** 97544

**Failed Part:** 32252299

Operation Number Time	Repair Description	Qty	Engine	Labor
97544	Replace Coolant Bleeder Hose	1	B4204T23 (T5)	0.8
			B4204T27 (T6)	2.4
			B4204T28 (T8)	2.9





## Volvo Car Customer Service

QB Instruction VCC-506237-4

<b>Title</b>	Recall 29936 Coolant Bleeder Hose Replacement (Engine Side)	<b>Page</b>	1 ( 8 )
<b>Action</b>	Replacement	<b>Operation number:</b>	97544-2

<b>Issue</b>	<b>Date</b>	<b>Reason</b>
1	2016-04	First issue

### Affected vehicles

<b>Model year</b>	<b>Model</b>	<b>Engine</b>
2016	XC90 (16-)	B4204T23

### Materials

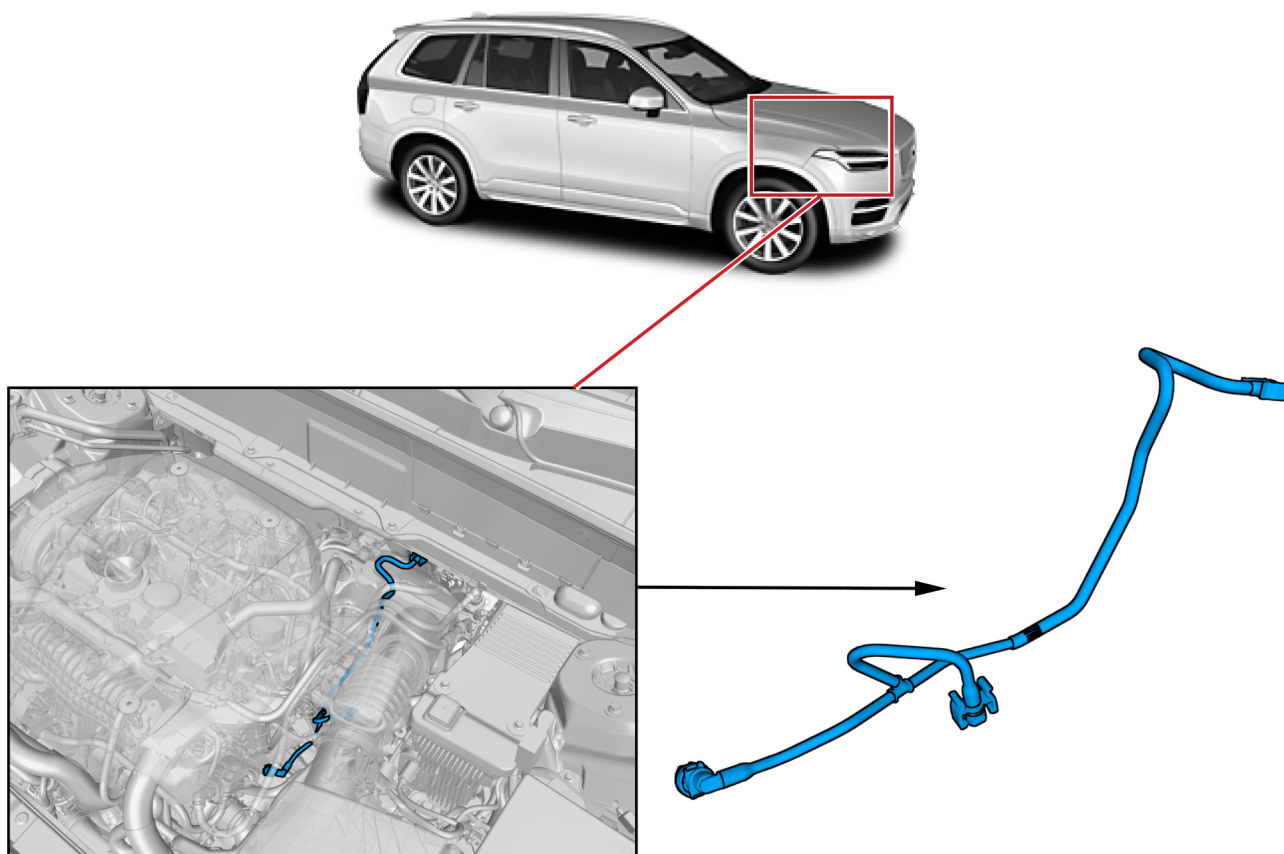
<b>Materials</b>	<b>Qty.</b>	<b>Part No.</b>	<b>Notes</b>
Water	1.0		
Coolant	1.0	31439821	US/ CA Only;
Bleeder hose	1.0	32252299	

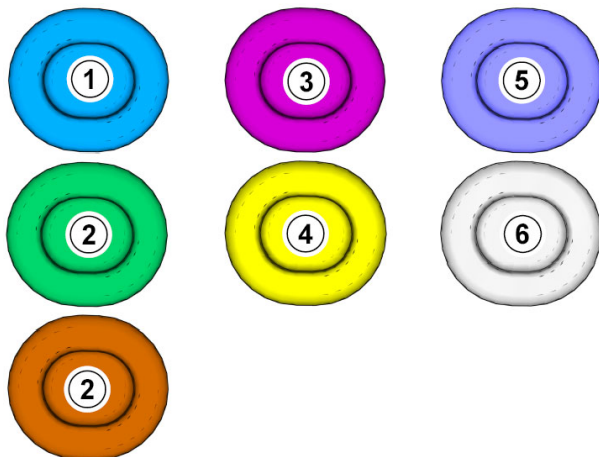
### Special tools

<b>Description</b>	<b>Part No.</b>
Cover	951 2955
ENGINE COOLANT SYSTEM - PRESSURE TESTER	998 5496

## Removal

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



**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.

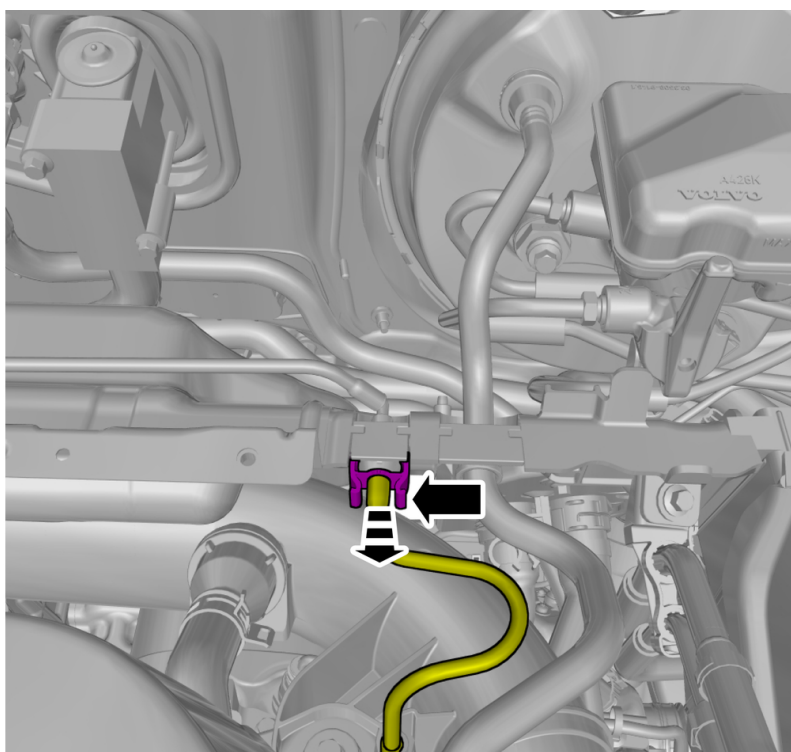
Drain cooling system, draining, filling, and bleeding , refer to:

Cleaning, Inspection and Adjustment

2 - Engine with mountings and equipment

26 - Cooling system

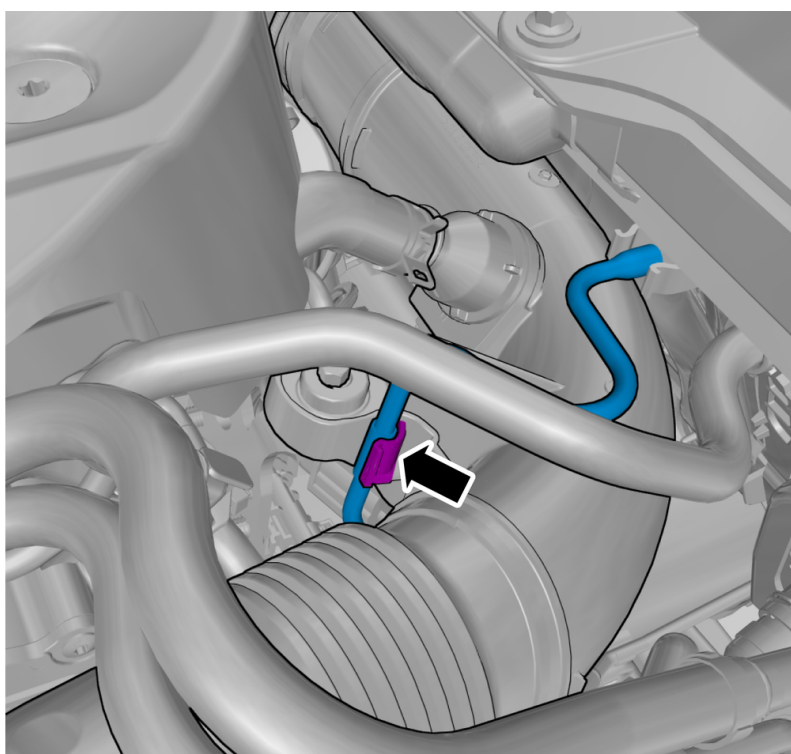
261 - radiator and connections



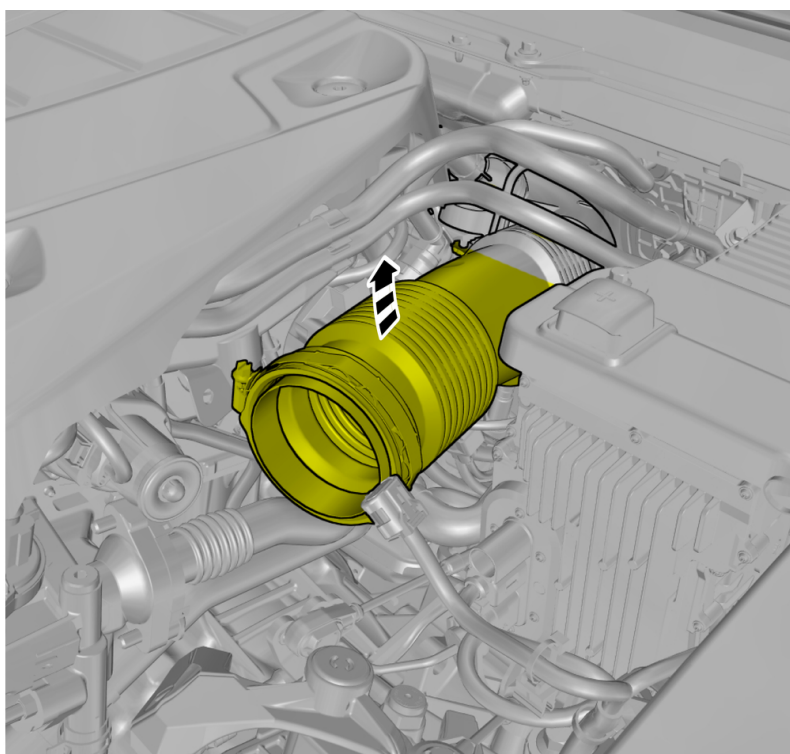
**Warning!** Be prepared to collect escaping fluid.

Release the locks.  
Undo the hose from the connection.

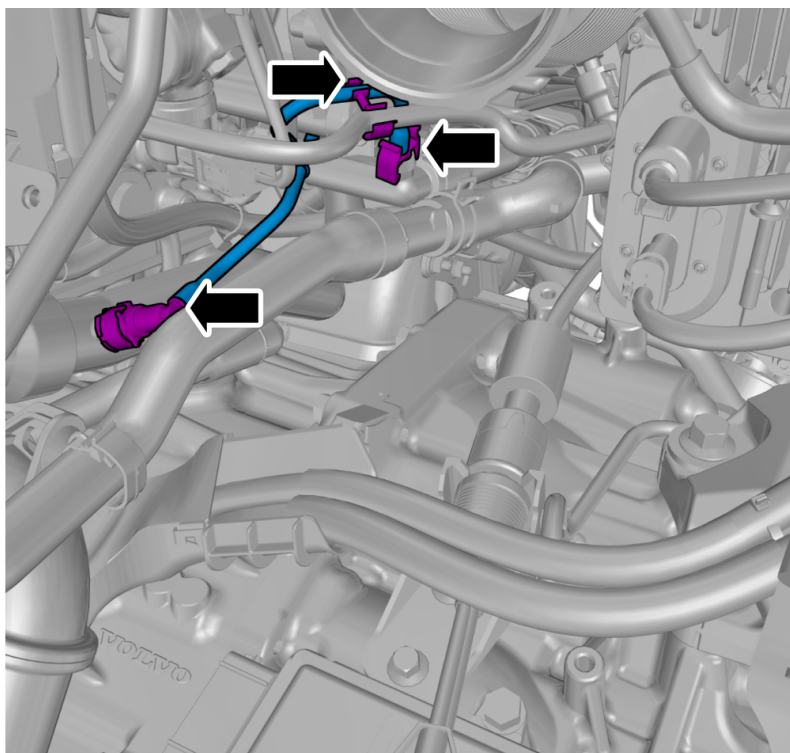
Remove the air filter housing , refer to:  
Removal, replacement and installation  
2 - Engine with mountings and equipment  
25 - Intake and exhaust system  
256 - air cleaner and throttle housing



Loosen the clip.

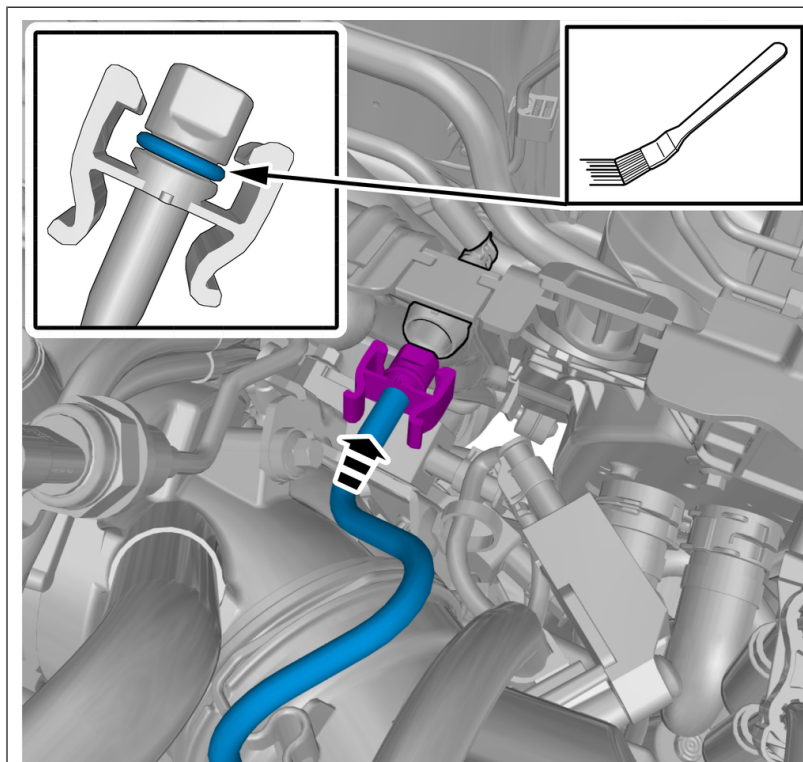


Fold marked part aside.



Release the locks.  
Undo the hoses from the connections.  
Remove the marked part.

### Installation



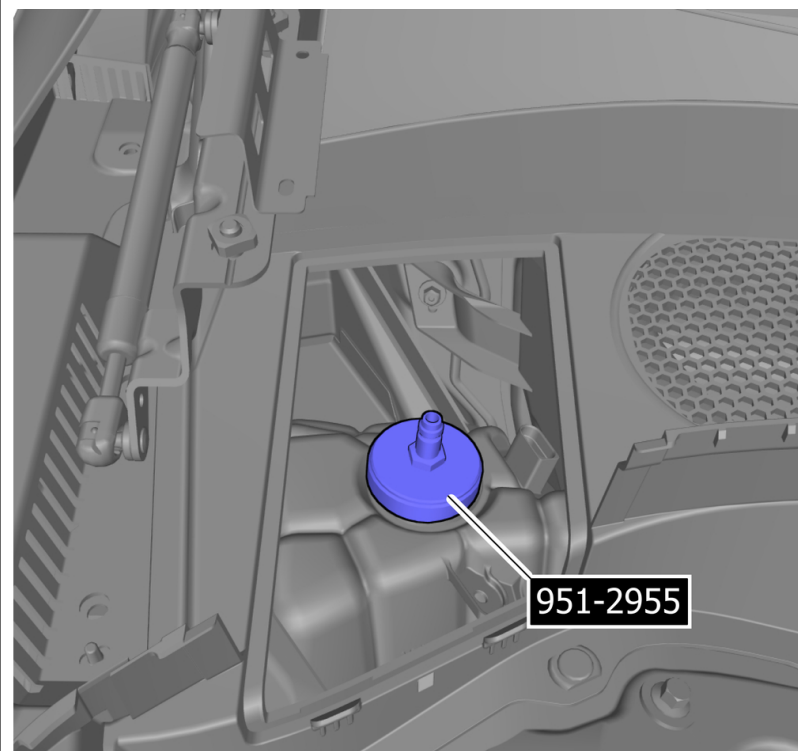
**Caution! Only use the specified material to lubricate the seals.**

**Use:** Water ,  
Install the hose.

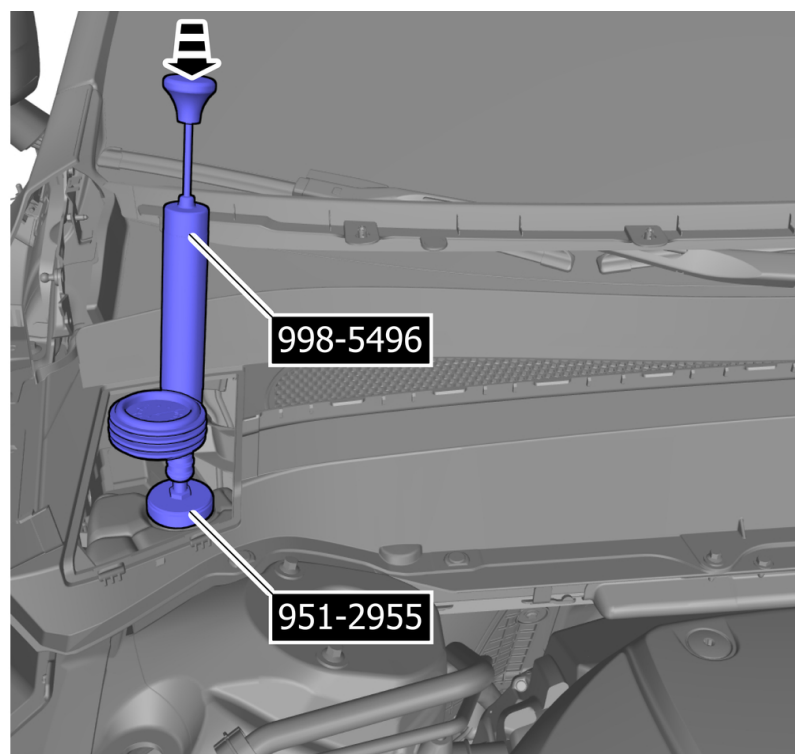
To install, reverse the removal procedure.

Fill cooling system, draining, filling, and bleeding , refer to:  
Cleaning, Inspection and Adjustment  
2 - Engine with mountings and equipment  
26 - Cooling system  
261 - radiator and connections



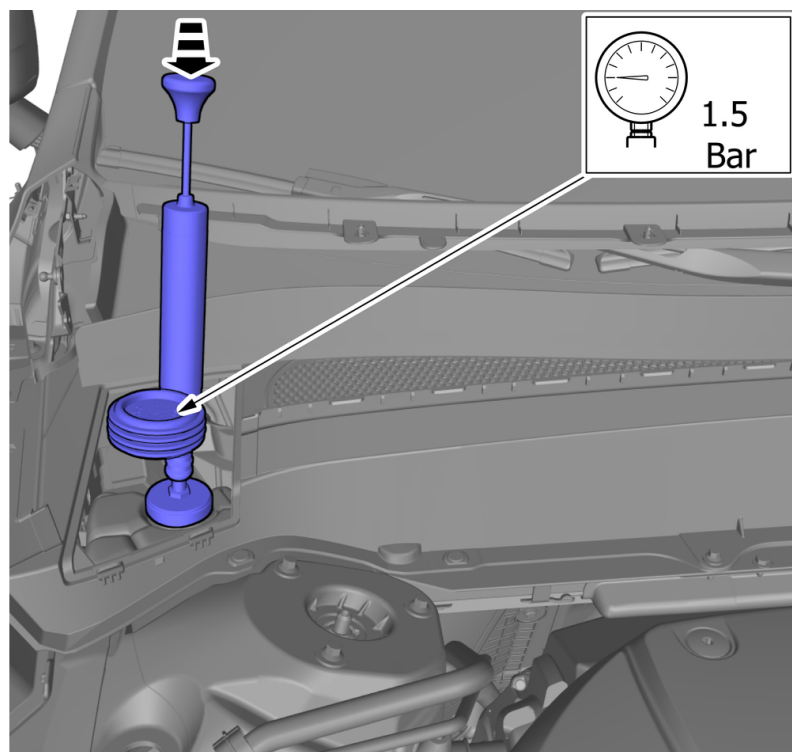
**Check**

Special Tool: T9512955, Cover

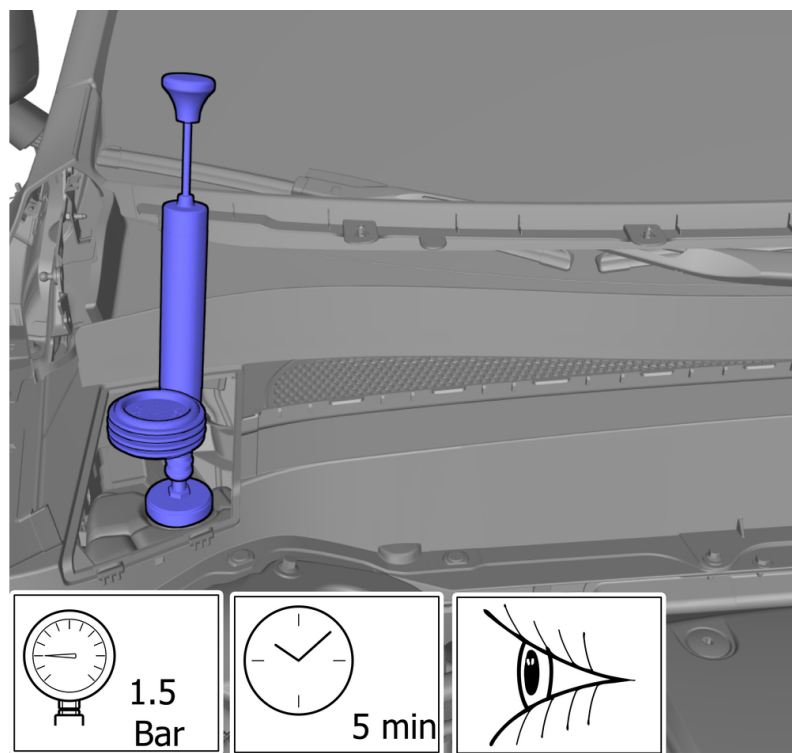


Special Tool: T9985496, ENGINE COOLANT SYSTEM - PRESSURE TESTER

Special Tool: T9512955, Cover



**Caution!** Make sure that the system pressure is within specification.



**Note!** Ensure not to undercut the time specified in the image.

Check the cooling system for leaks.





## Volvo Car Customer Service

## QB Instruction VCC-506237-2

<b>Title</b>	Recall 29936 Coolant Bleeder Hose Replacement (Engine Side)	<b>Page</b>	1 ( 14 )
<b>Action</b>	Replacement	<b>Operation number:</b>	97544-2

Issue	Date	Reason
1	2019-04	First issue

### Affected vehicles

Model year	Model	Engine
2016	XC90 (16-)	B4204T27

### Materials

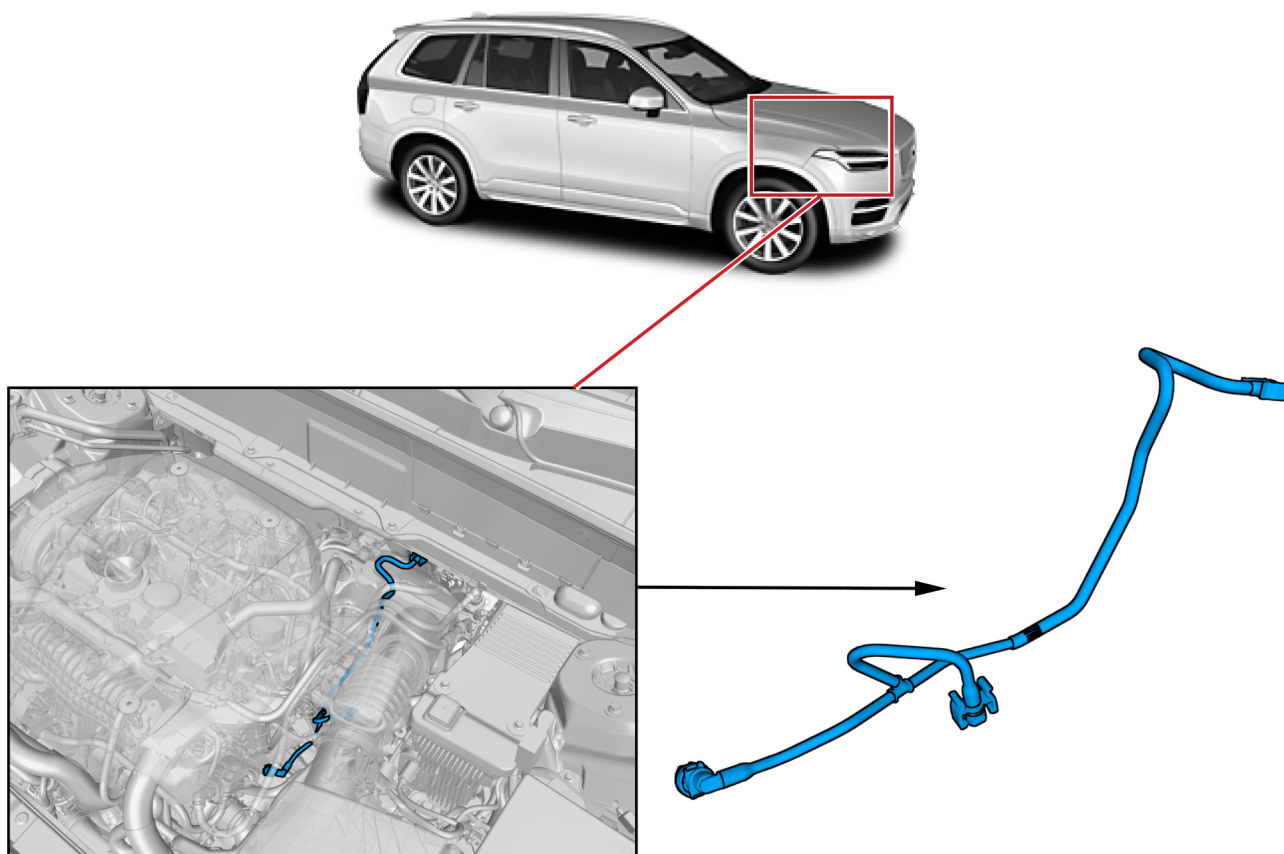
Materials	Qty.	Part No.	Notes
Water	1.0		
Coolant	1.0	31439821	US /CA Only;
Bleeder hose	1.0	32252299	

### Special tools

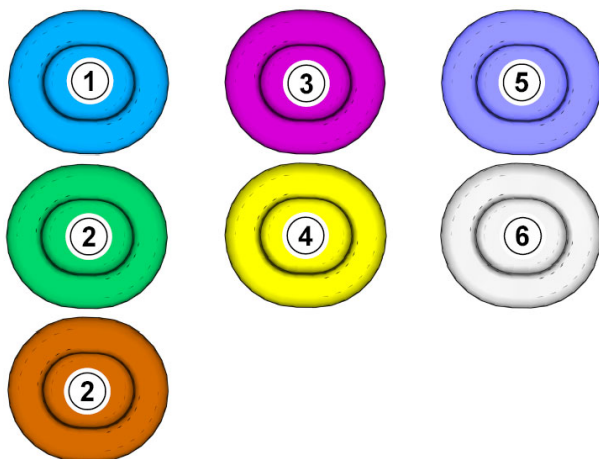
Description	Part No.
LEAK DETECTOR	981 4118
Cover	951 2955
ENGINE COOLANT SYSTEM - PRESSURE TESTER	998 5496

## Removal

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



## 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.

Drain cooling system, draining, filling, and bleeding , refer to:

Cleaning, Inspection and Adjustment

2 - Engine with mountings and equipment

26 - Cooling system

261 - radiator and connections

Remove support battery , refer to:

Removal, replacement and installation

3 - Electrical system

31 - Battery and mounting

311 - battery

Remove the battery control switch module bcsn , refer to:

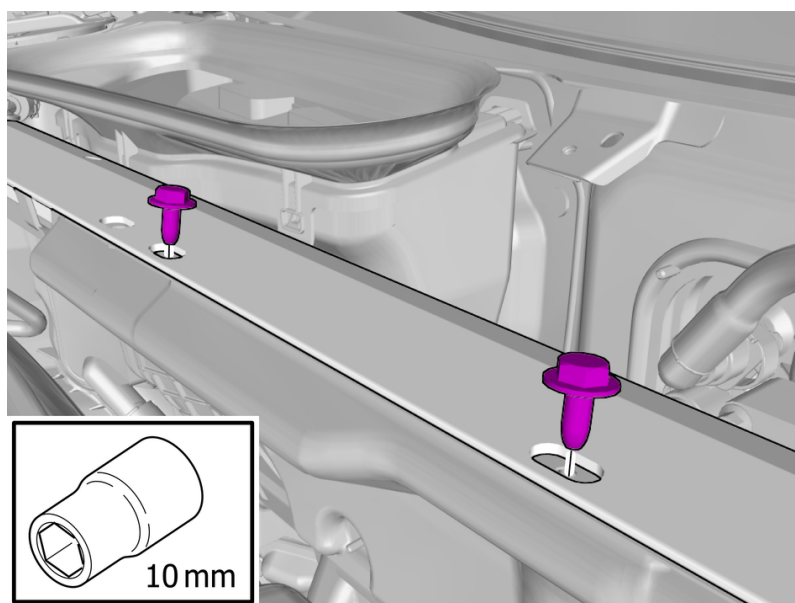
Removal, replacement and installation

3 - Electrical system

31 - Battery and mounting

311 - battery

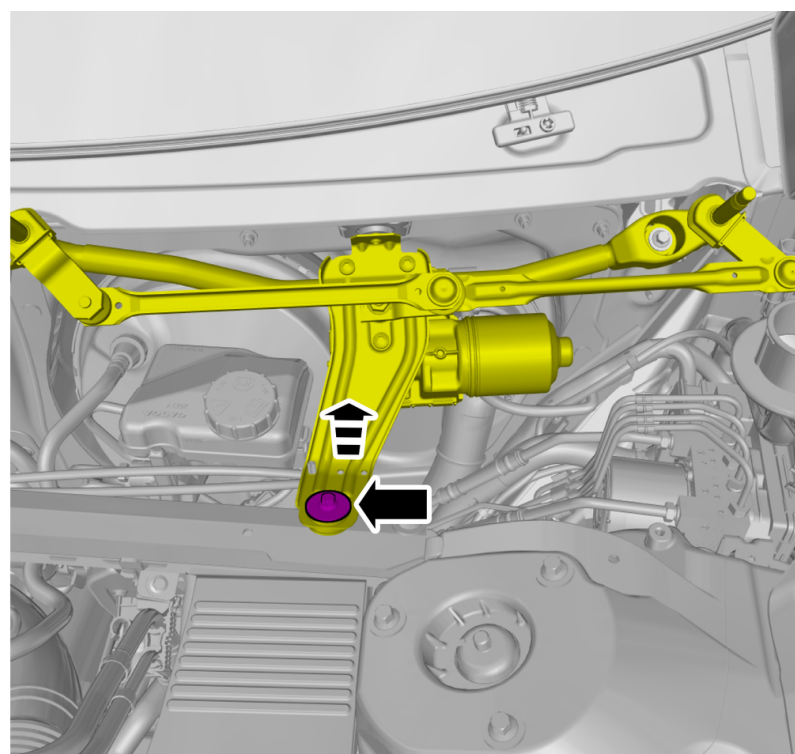
Remove the plenum cover , refer to:  
Removal, replacement and installation  
8 - Body and interior  
82 - Bonnet (Hood), front end, wings,  
door sill  
823 - radiator grille



Remove the screws.

**Torque:**

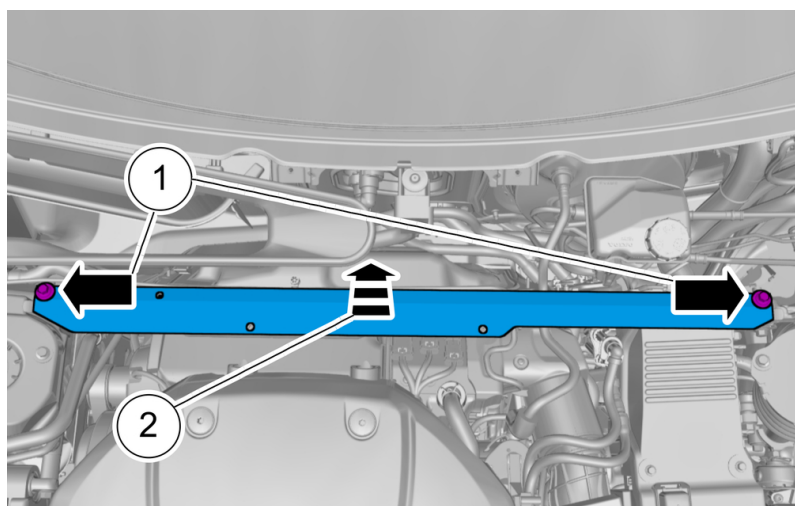
Bracket, to Secondary bulkhead panel ,  
2.5 Nm



Remove the screw.

**Torque:**

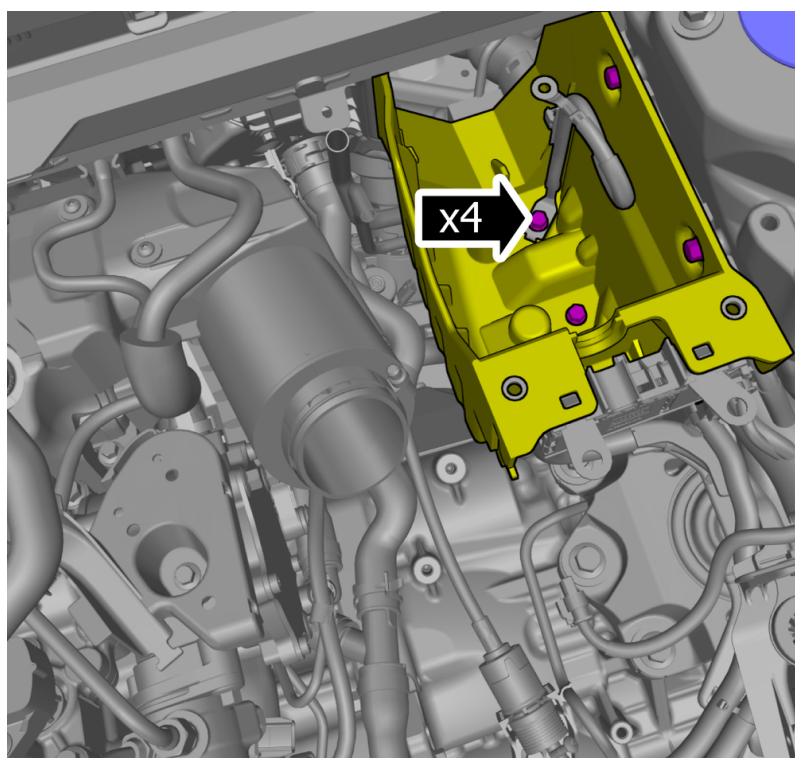
M6 , 10 Nm



Remove the screws.

**Torque:**

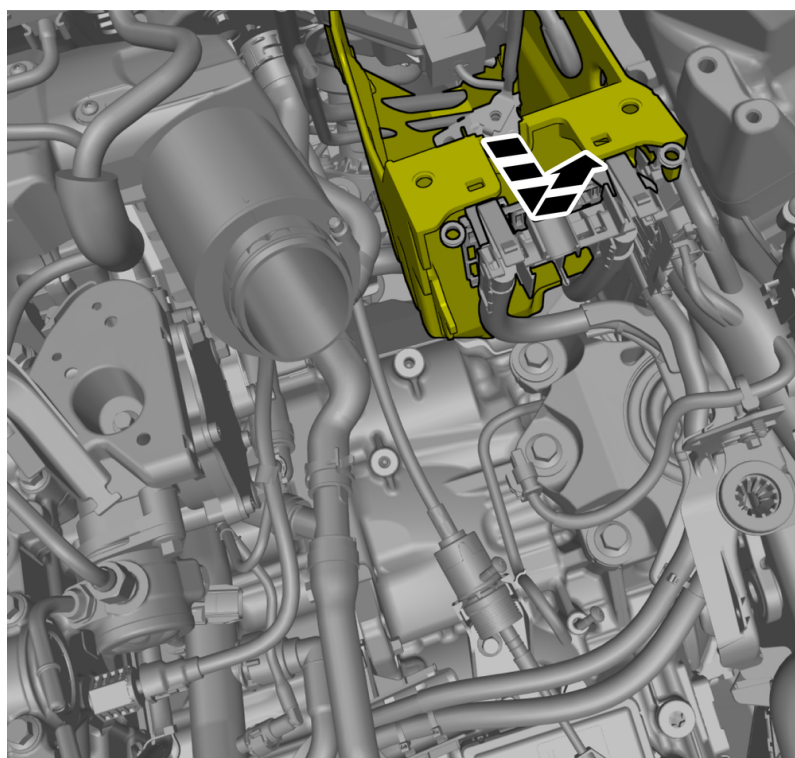
M8 , 24 Nm



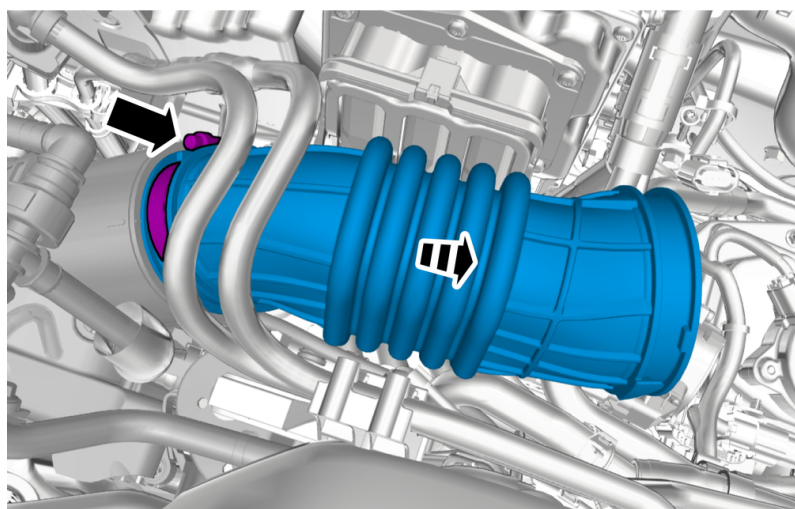
Remove the screws.

**Torque:**

M5 , 5 Nm

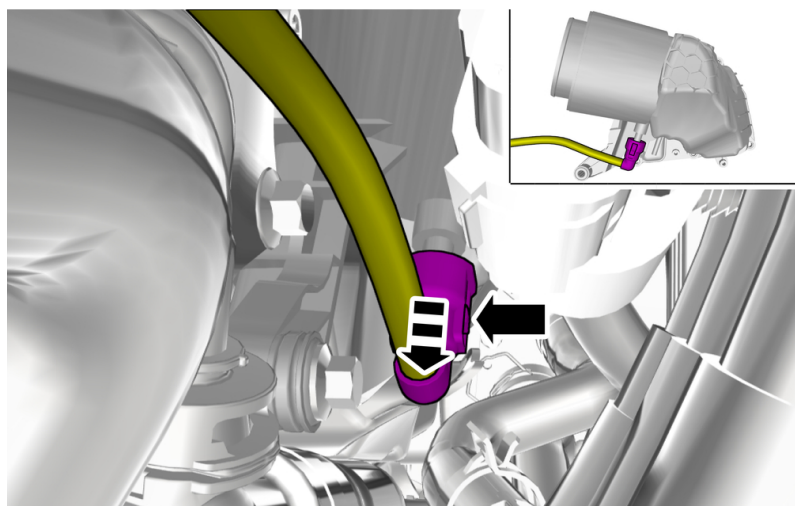


Fold marked part aside.

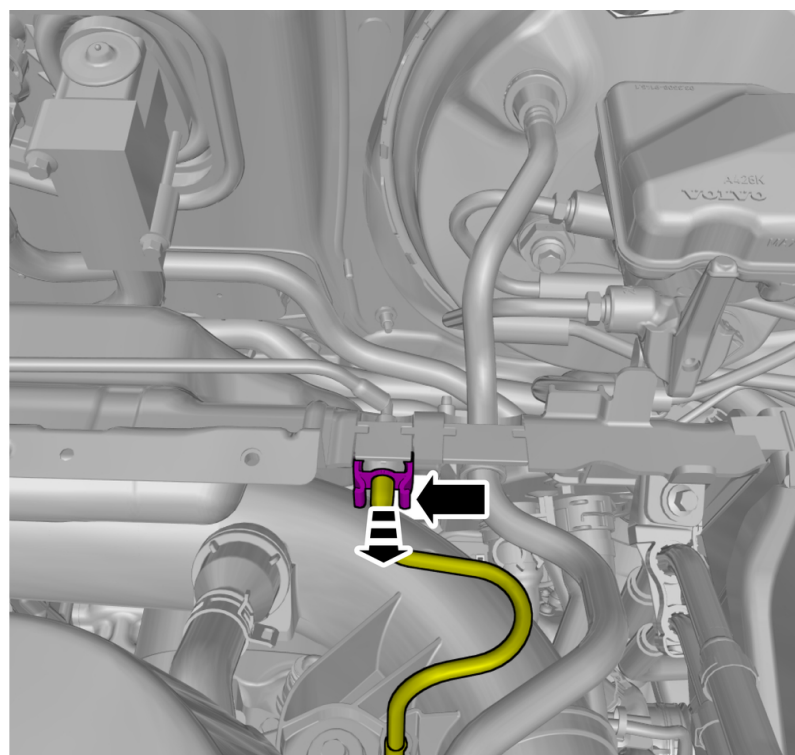


Loosen the hose clamp.  
Remove the marked part.



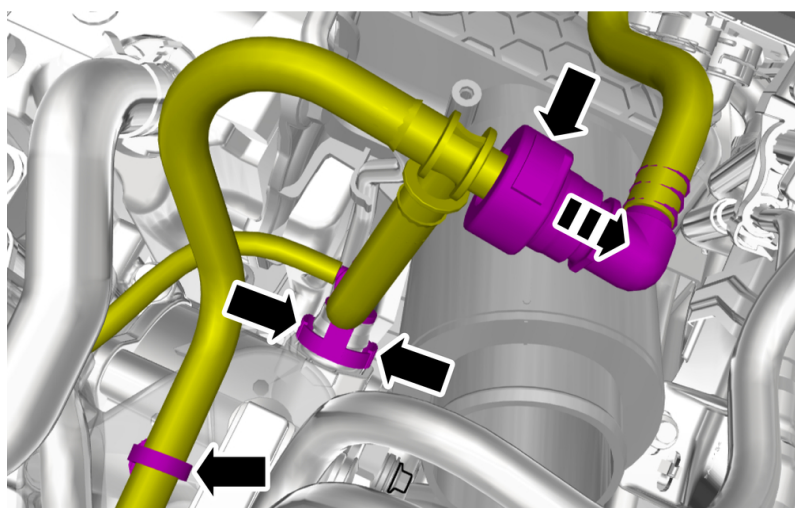


Release the locks.  
Undo the hose from the connection.  
Fold marked part aside.

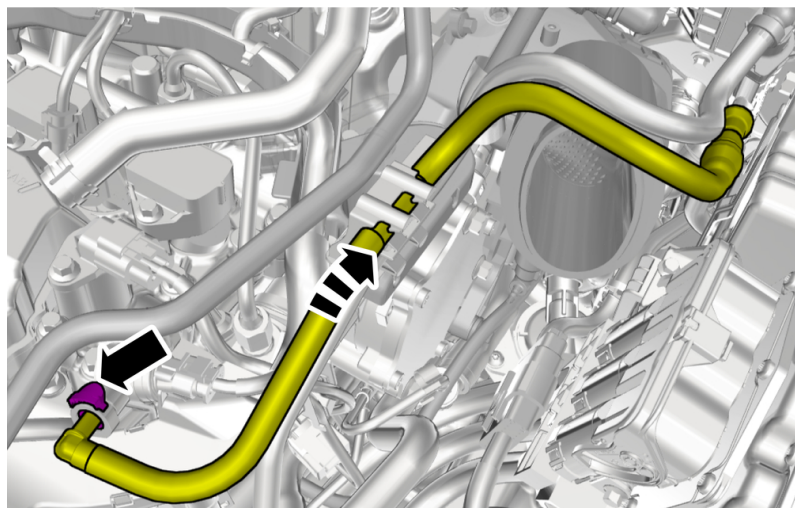


**Warning!** Be prepared to collect escaping fluid.

Release the locks.  
Undo the hose from the connection.

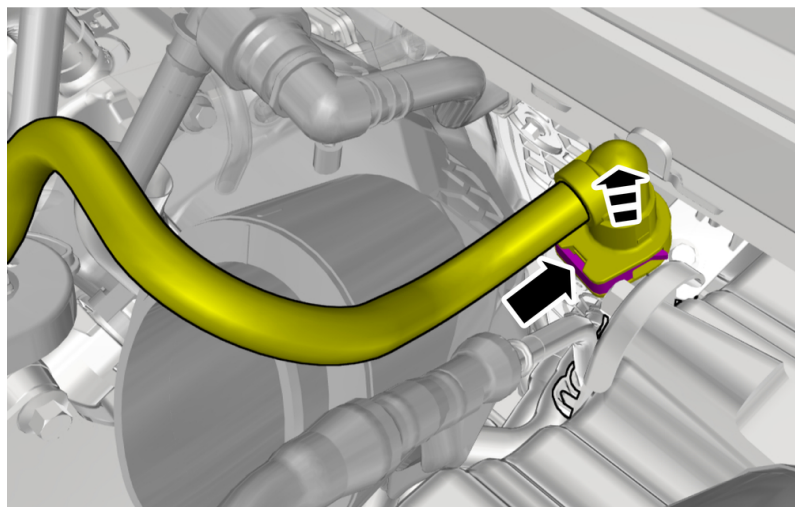


Release the locks.  
Undo the hoses from the connections.  
Fold marked part aside.



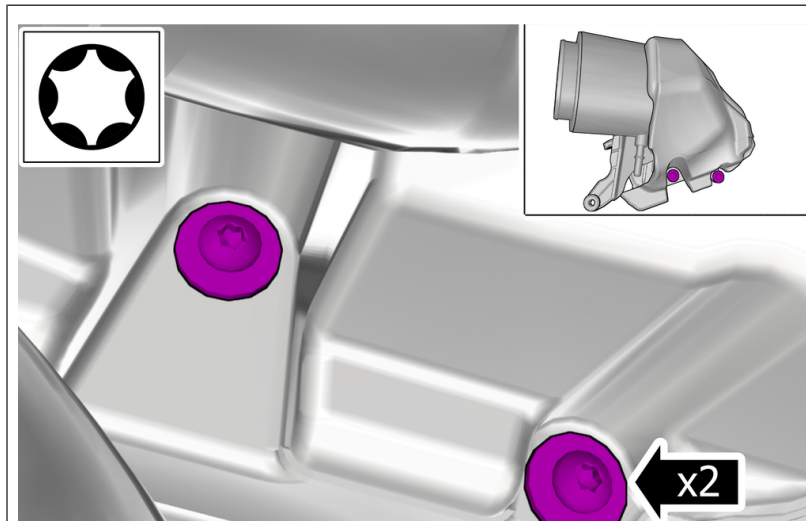
**Warning!** Be prepared to collect escaping fluid.

Release the lock.  
Undo the hose from the connection.  
Fold marked part aside.



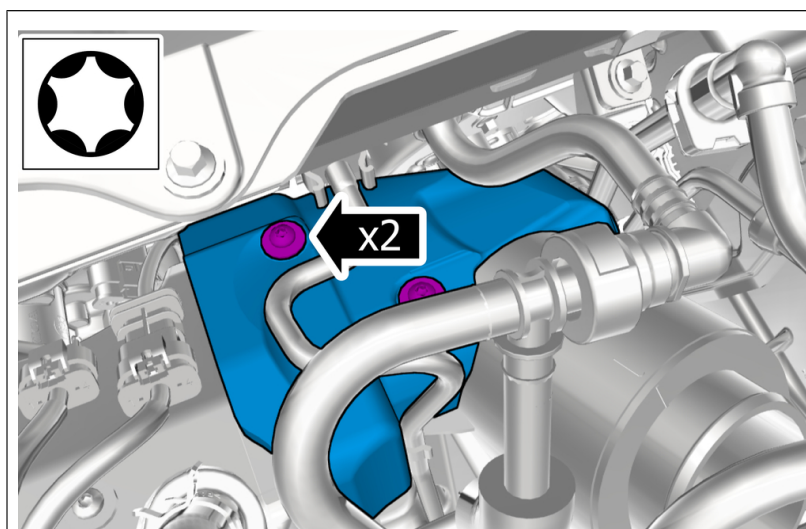
Release the lock.  
Undo the hose from the connection.  
Fold marked part aside.





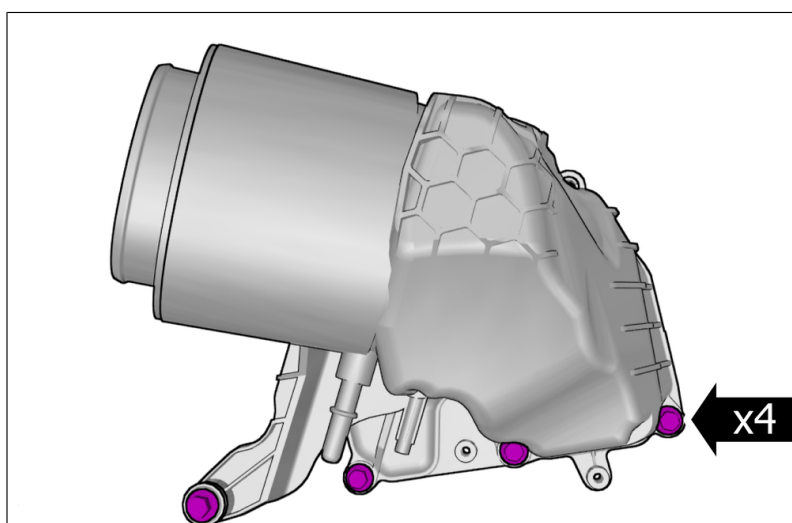
**Note! The screws may be difficult to access.**

Remove the screws.



Remove the screws.

Remove the marked part.

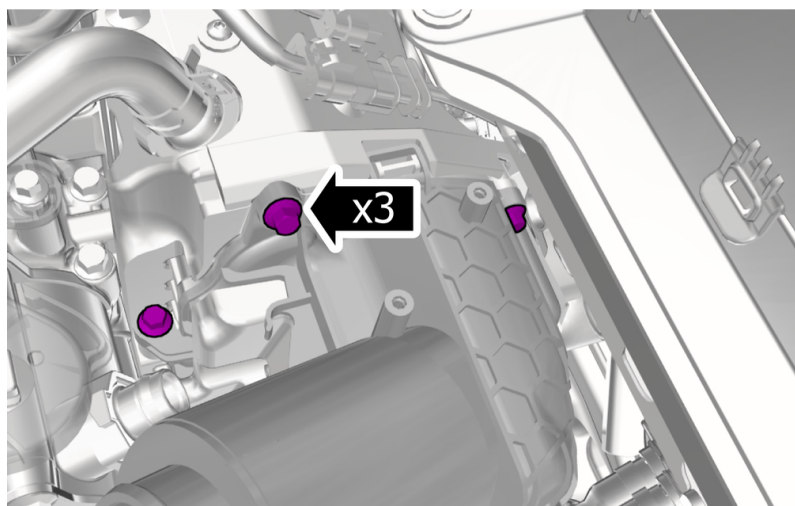


**Note! The screws may be difficult to access.**

Remove the screws.

**Torque:**

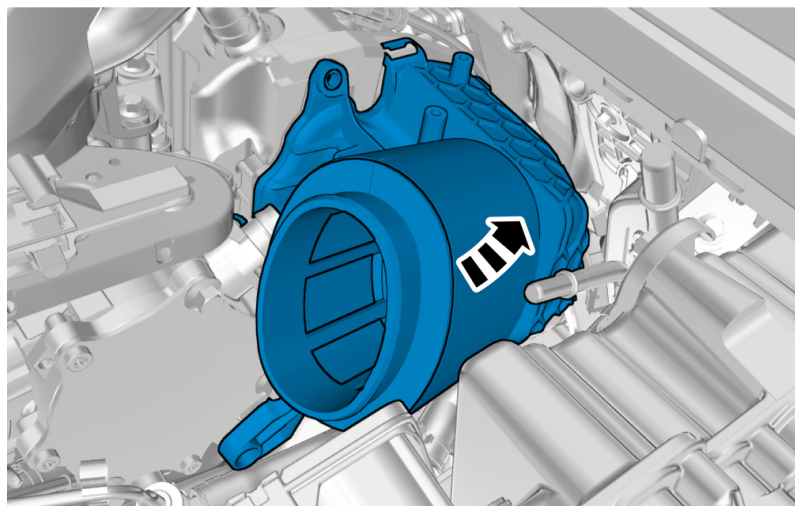
M6 , 10 Nm



Remove the screws.

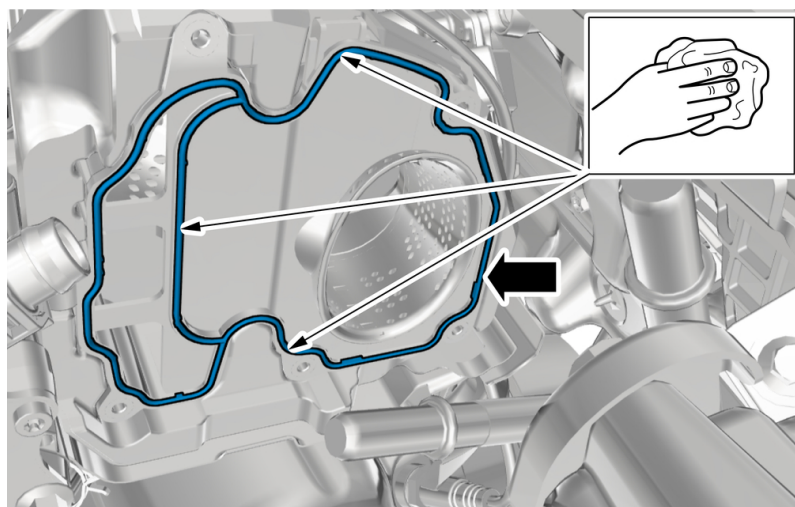
**Torque:**

M6 , 10 Nm



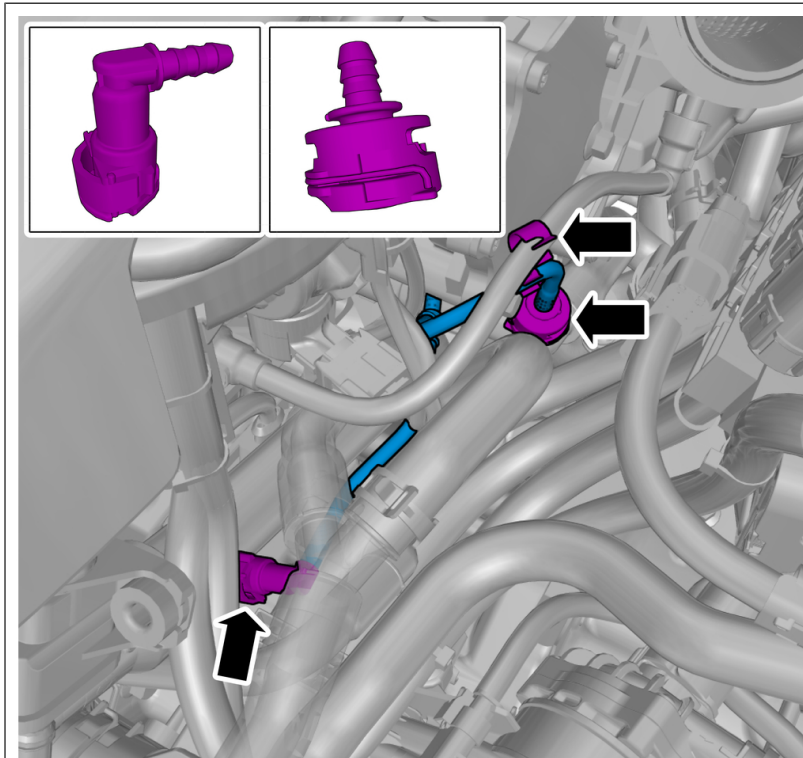
Remove the marked part.

**Hint:** It may be necessary to twist or turn the component.



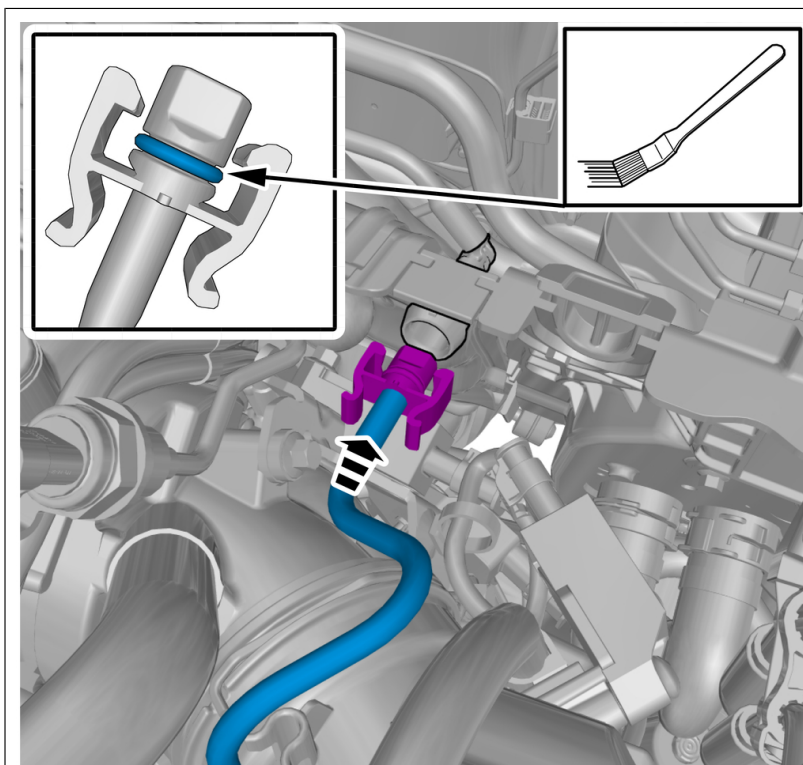
**Caution!** Make sure that the surface is clean and free of foreign material.

**Note!** Make sure that the seal is correctly located.



Release the locks.  
Undo the hoses from the connections.  
Remove the marked part.

### Installation



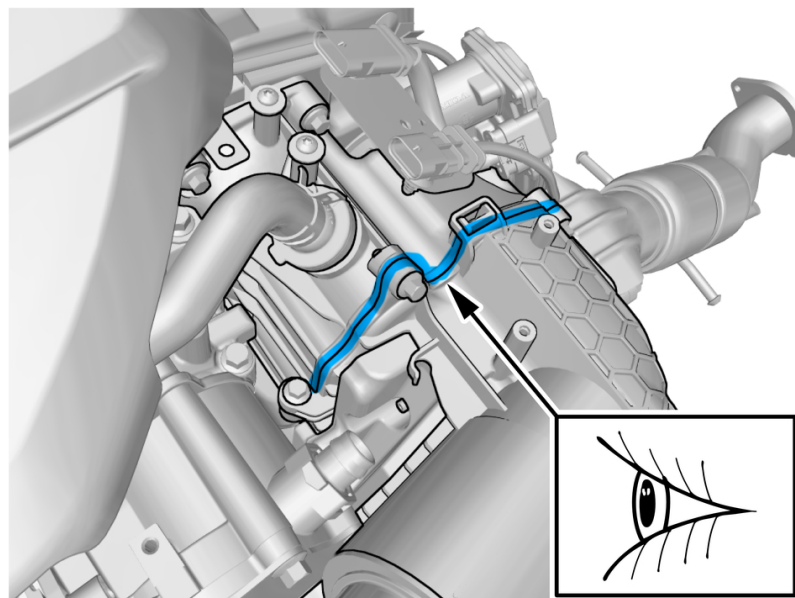
**Caution! Only use the specified material to lubricate the seals.**

**Use:** Water ,  
Install the hose.

To install, reverse the removal procedure.

Fill cooling system, draining, filling, and bleeding , refer to:  
Cleaning, Inspection and Adjustment  
2 - Engine with mountings and equipment  
26 - Cooling system  
261 - radiator and connections

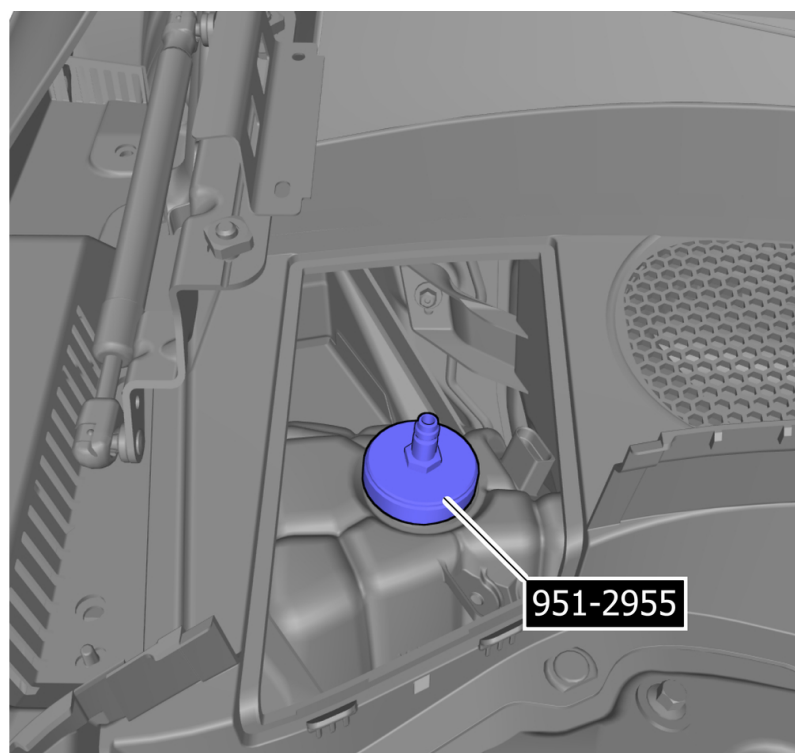
### Check



**Note! Always follow the manufacturer's instructions when handling the equipment.**

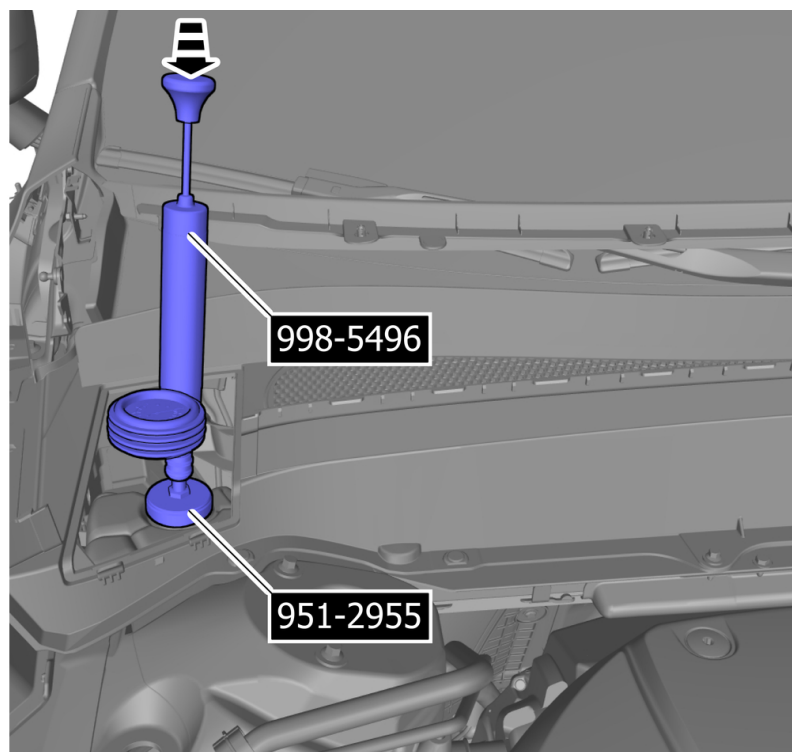
Check the component for leaks.

Special Tool: T9814118, LEAK DETECTOR



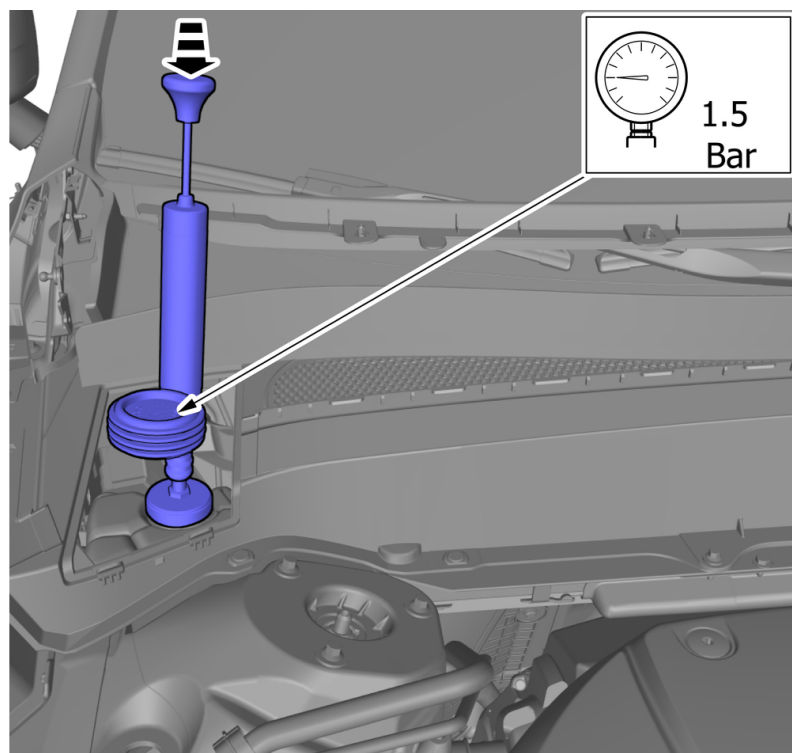
Special Tool: T9512955, Cover



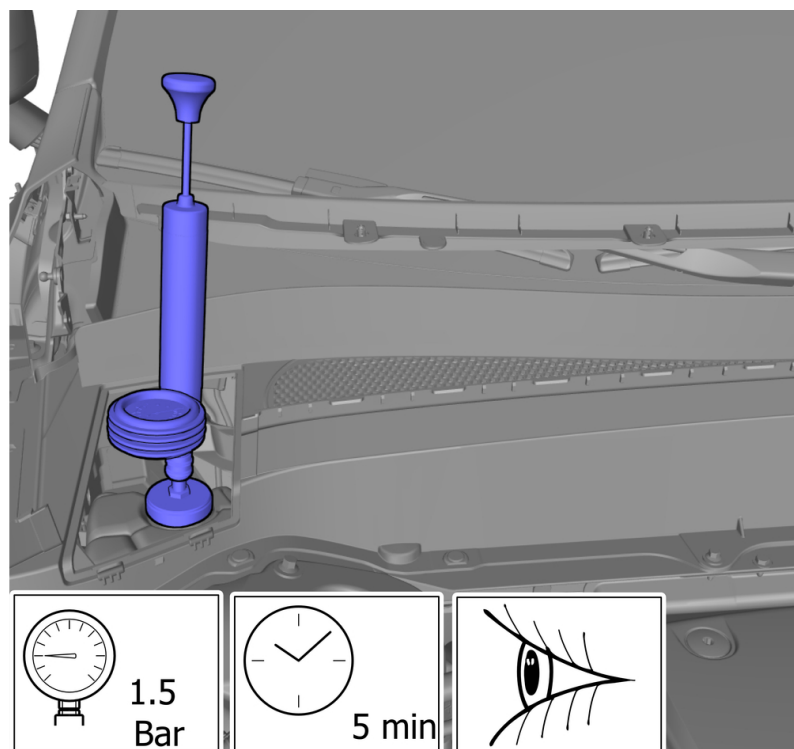


Special Tool: T9985496, ENGINE COOLANT SYSTEM - PRESSURE TESTER

Special Tool: T9512955, Cover



**Caution! Make sure that the system pressure is within specification.**



**Note! Ensure not to undercut the time specified in the image.**

Check the cooling system for leaks.



## Volvo Car Customer Service

QB Instruction VCC-506237-5

<b>Title</b>	Recall 29936 Coolant Bleeder Hose Replacement (Engine Side)	<b>Page</b>	1 ( 12 )
<b>Action</b>	Replacement	<b>Operation number:</b>	97544-2

<b>Issue</b>	<b>Date</b>	<b>Reason</b>
1	2019-04	First issue

### Affected vehicles

<b>Model year</b>	<b>Model</b>	<b>Engine</b>
2016	XC90 (16-)	B4204T28

### Materials

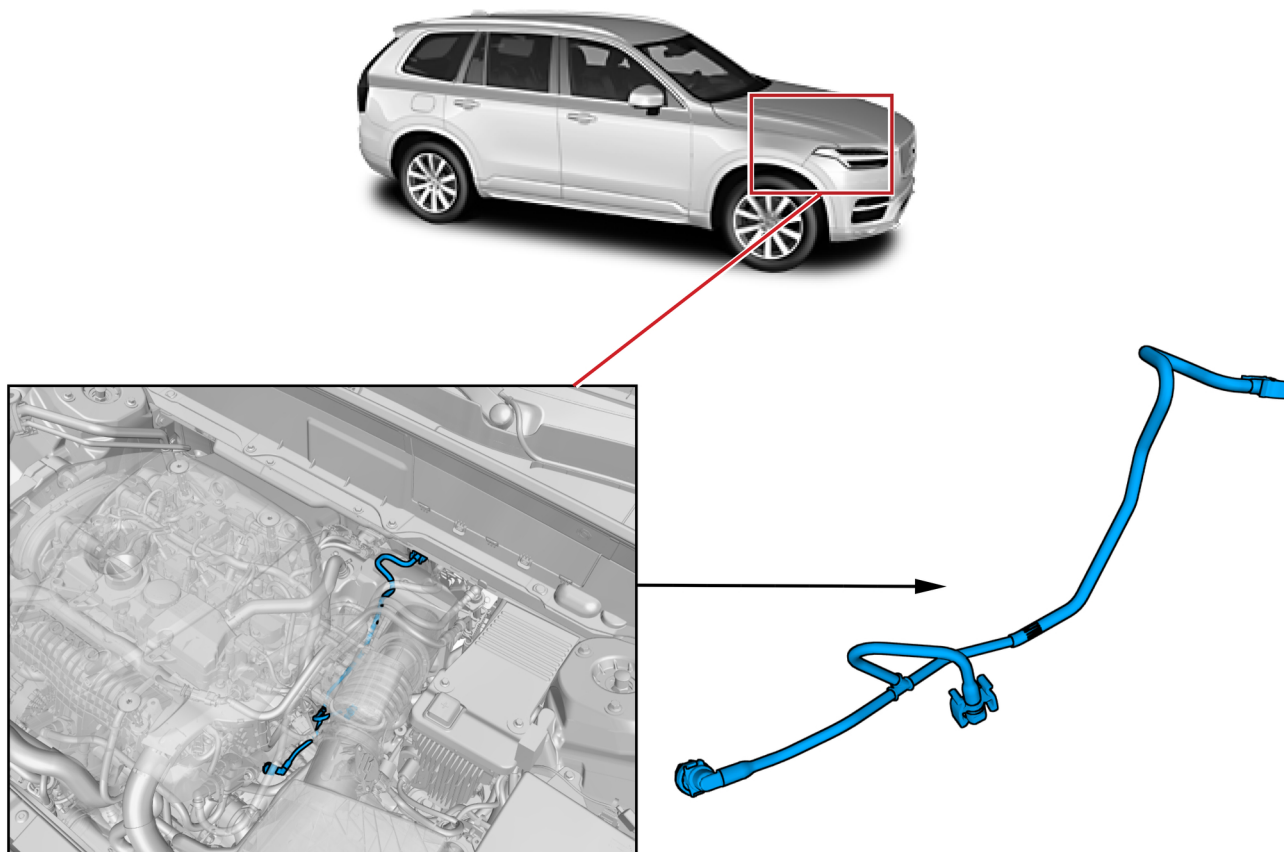
<b>Materials</b>	<b>Qty.</b>	<b>Part No.</b>	<b>Notes</b>
Water	1.0		
Coolant	1.5	31439821	US/ CA Only
Bleeder hose	1.0	32252299	

### Special tools

<b>Description</b>	<b>Part No.</b>
LEAK DETECTOR	981 4118
Cover	951 2955
ENGINE COOLANT SYSTEM - PRESSURE TESTER	998 5496

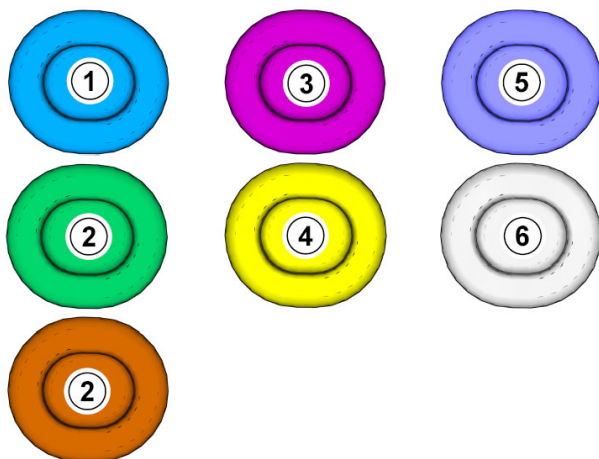
## Removal

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





## 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.

Drain cooling system, draining, filling, and bleeding , refer to:

Cleaning, Inspection and Adjustment

2 - Engine with mountings and equipment

26 - Cooling system

261 - radiator and connections

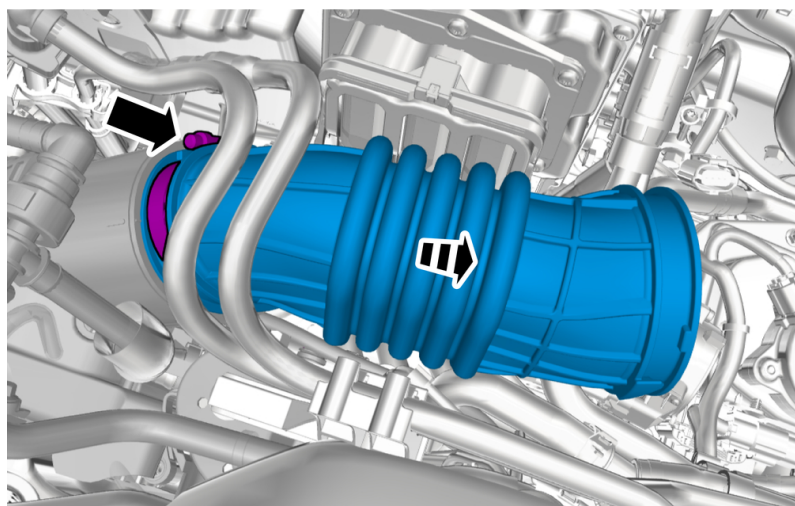
Remove Inverter Generator Module (IGM) , refer to:

Removal, replacement and installation

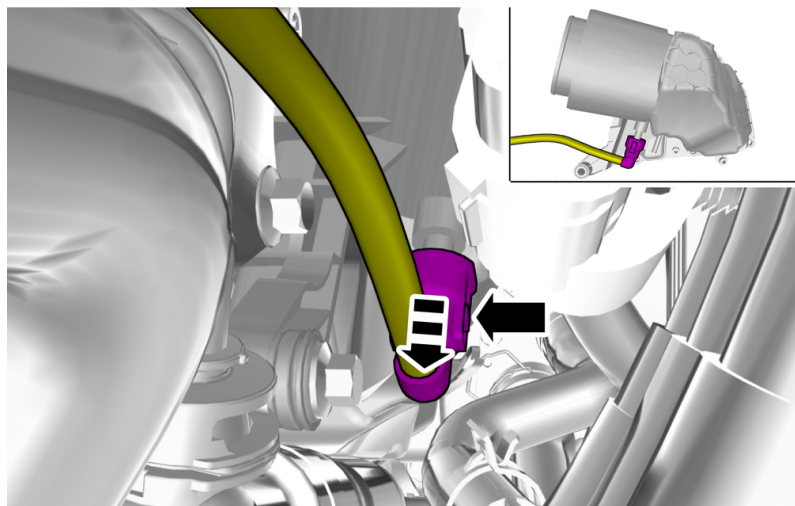
3 - Electrical system

32 - Alternator and regulator

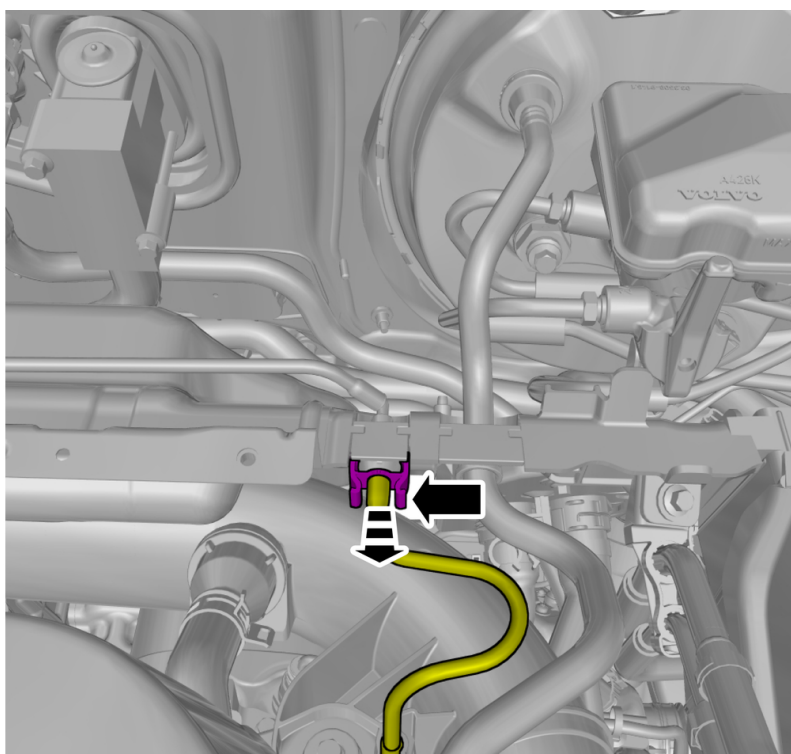
323 - electric converter, high voltage



Loosen the hose clamp.  
Remove the marked part.

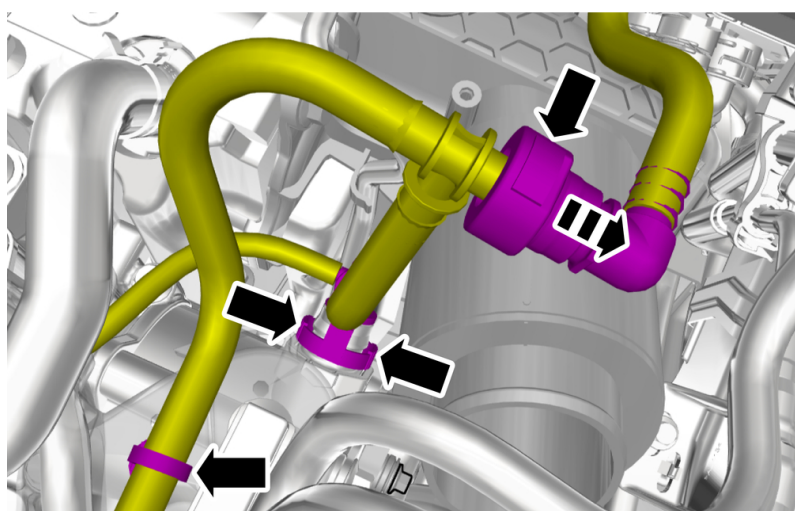


Release the locks.  
Undo the hose from the connection.  
Fold marked part aside.

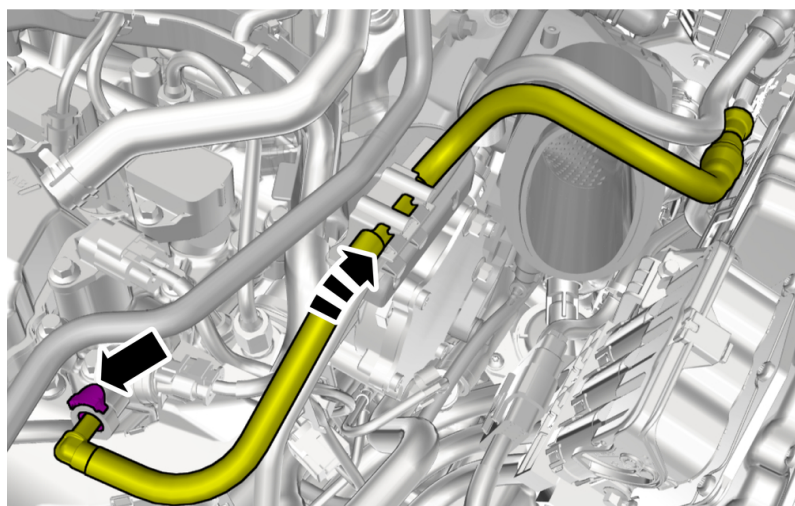


**Warning!** Be prepared to collect escaping fluid.

Release the locks.  
Undo the hose from the connection.

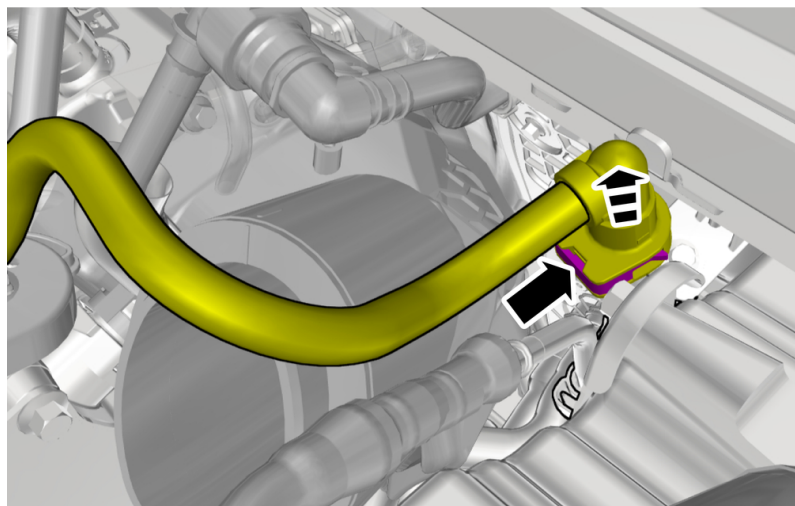


Release the locks.  
Undo the hoses from the connections.  
Fold marked part aside.

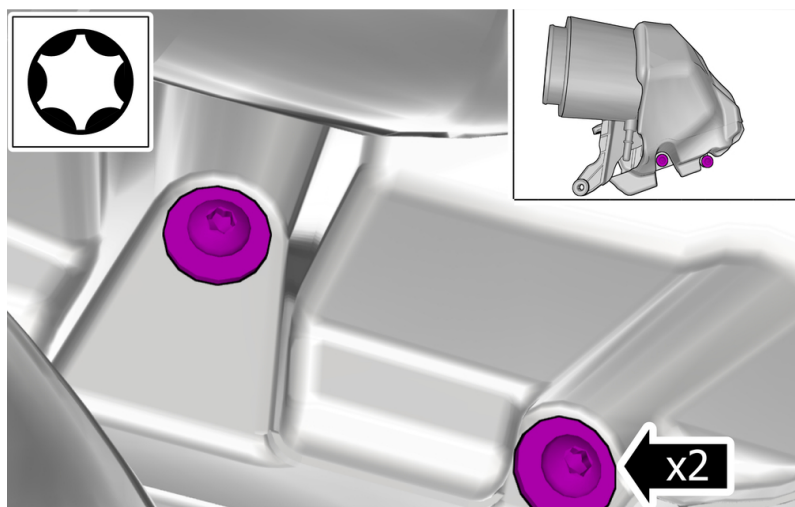


**Warning!** Be prepared to collect escaping fluid.

Release the lock.  
Undo the hose from the connection.  
Fold marked part aside.



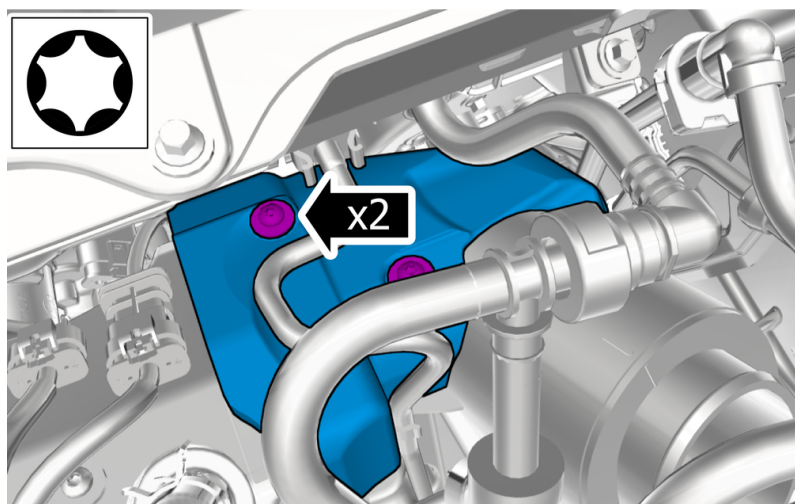
Release the lock.  
Undo the hose from the connection.  
Fold marked part aside.



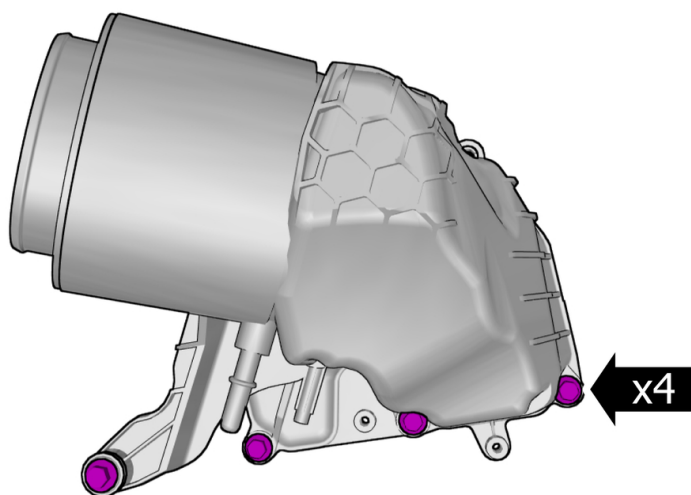
**Note!** The screws may be difficult to access.

Remove the screws.





Remove the screws.  
Remove the marked part.

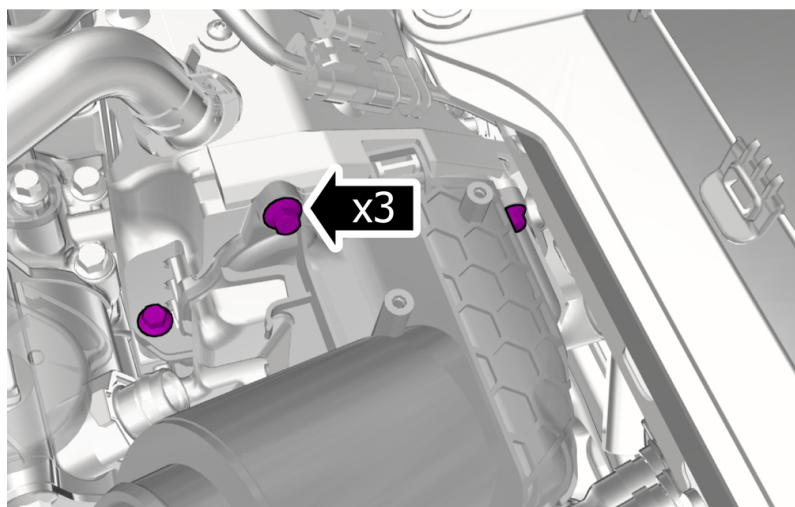


**Note! The screws may be difficult to access.**

Remove the screws.

**Torque:**

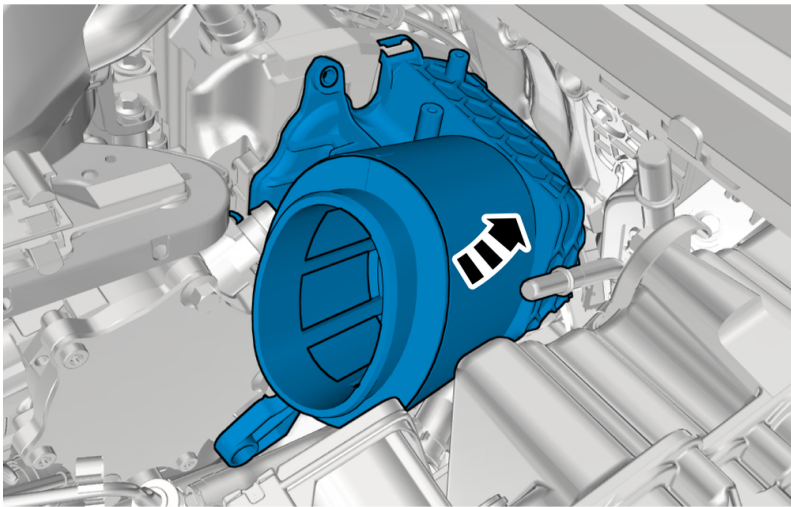
M6 , 10 Nm



Remove the screws.

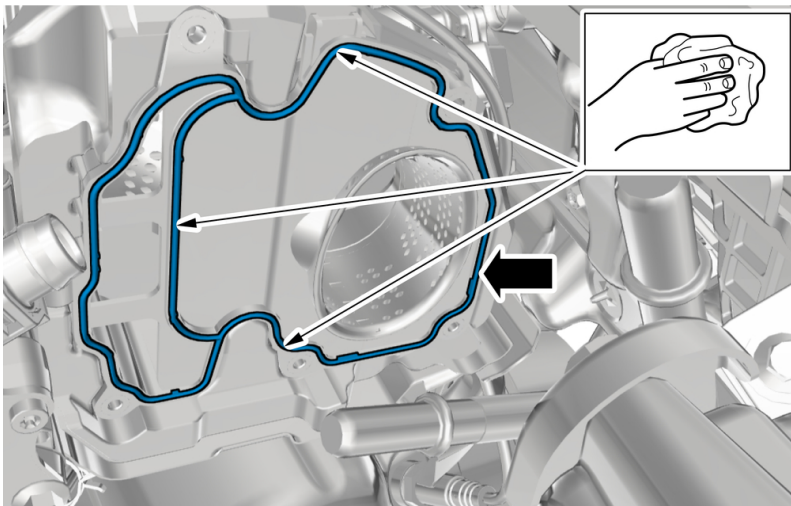
**Torque:**

M6 , 10 Nm



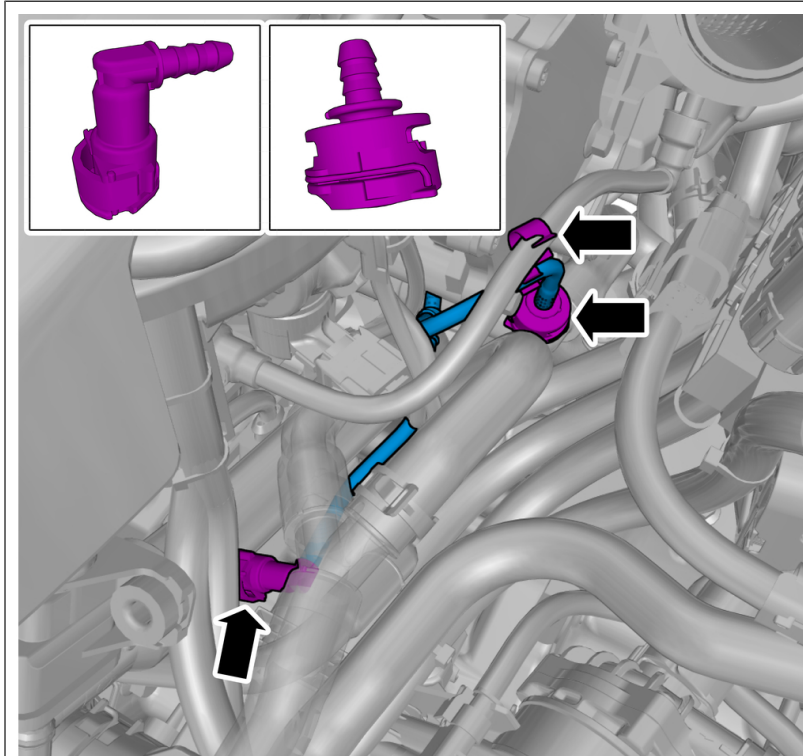
Remove the marked part.

**Hint:** It may be necessary to twist or turn the component.



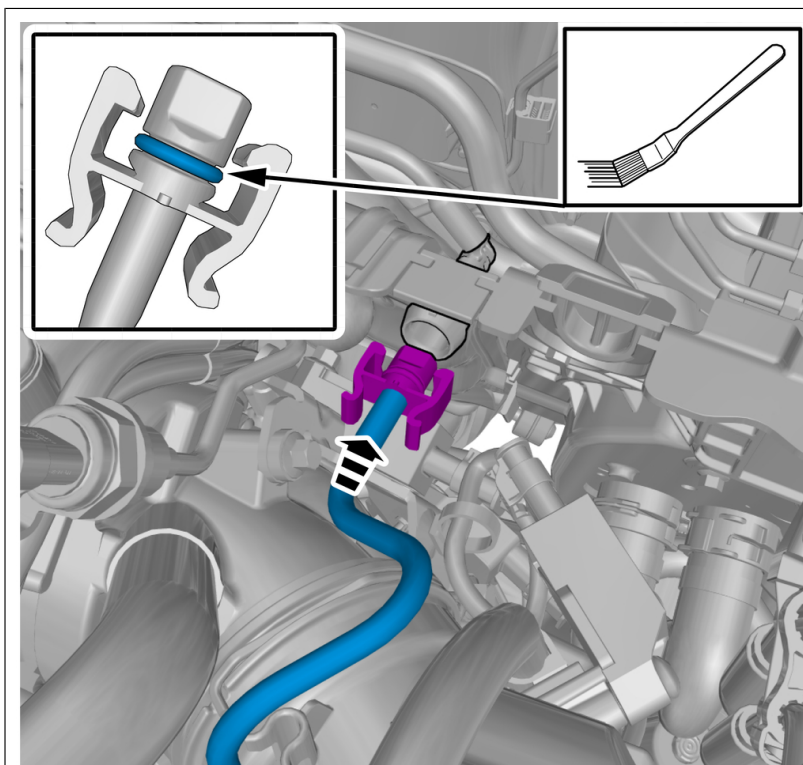
**Caution!** Make sure that the surface is clean and free of foreign material.

**Note!** Make sure that the seal is correctly located.



Release the locks.  
Undo the hoses from the connections.  
Remove the marked part.

### Installation



**Caution! Only use the specified material to lubricate the seals.**

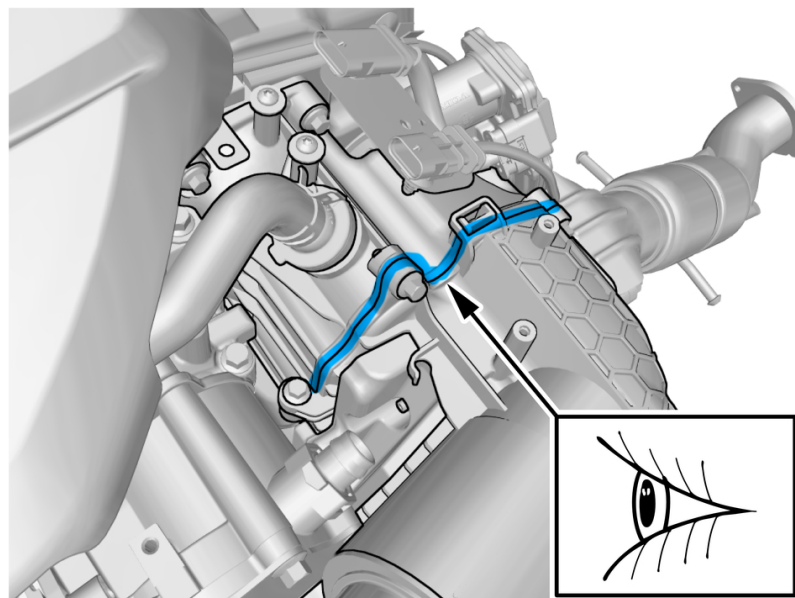
Install the hose.

**Use:** Water ,

To install, reverse the removal procedure.

Fill cooling system, draining, filling, and bleeding , refer to:  
Cleaning, Inspection and Adjustment  
2 - Engine with mountings and equipment  
26 - Cooling system  
261 - radiator and connections

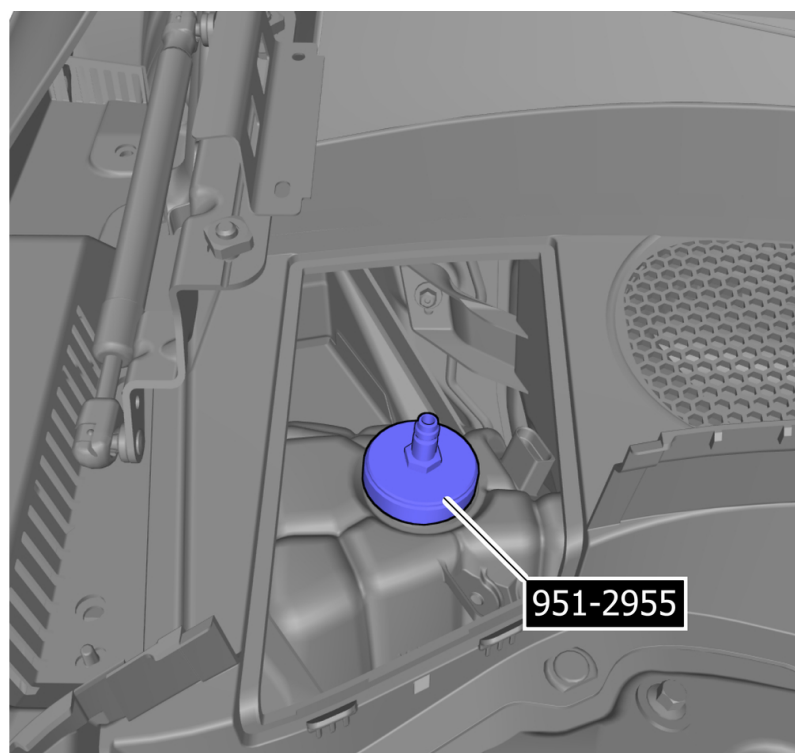
### Check



**Note! Always follow the manufacturer's instructions when handling the equipment.**

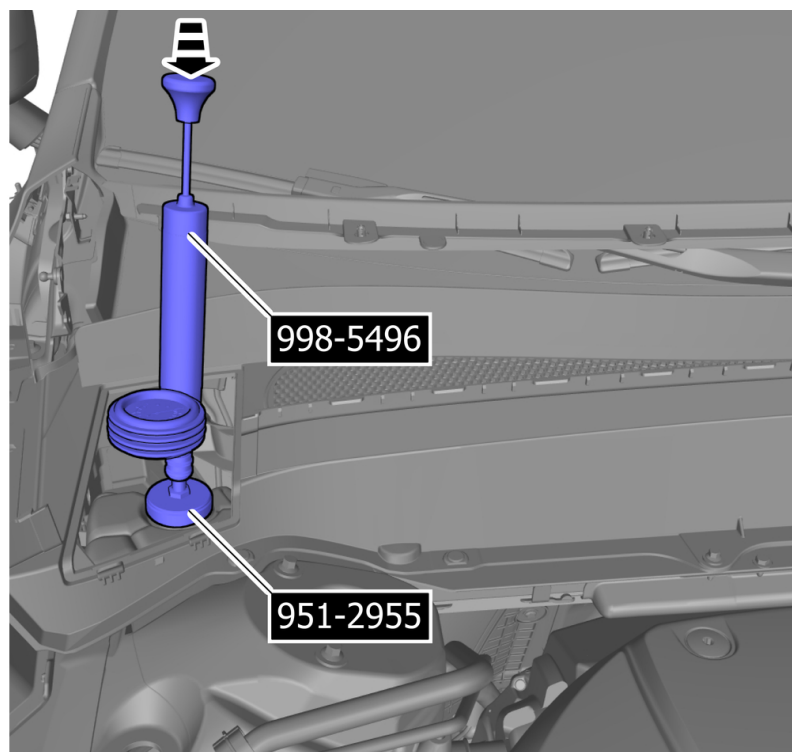
Special Tool: T9814118, LEAK DETECTOR

Check the component for leaks.



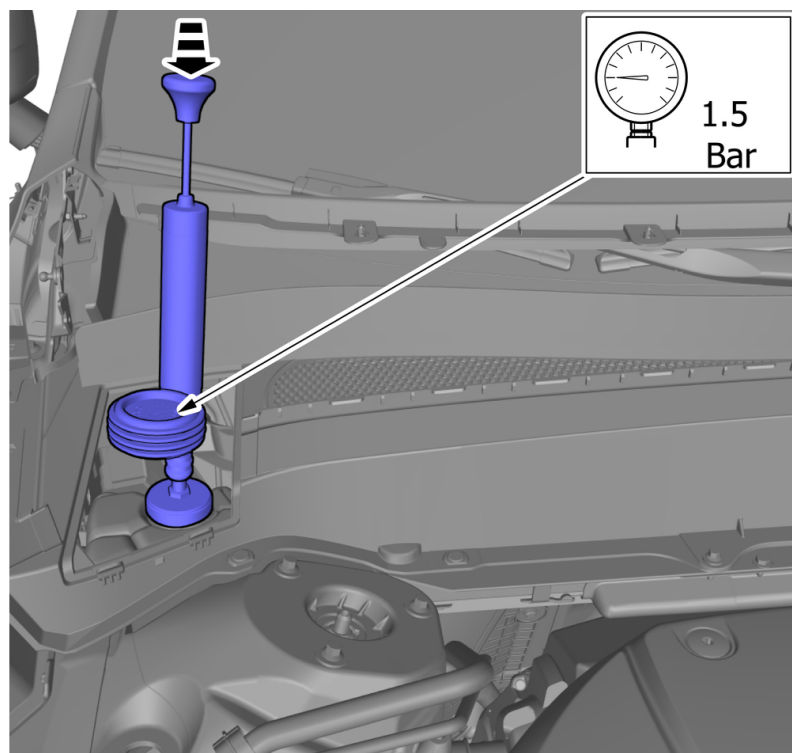
Special Tool: T9512955, Cover



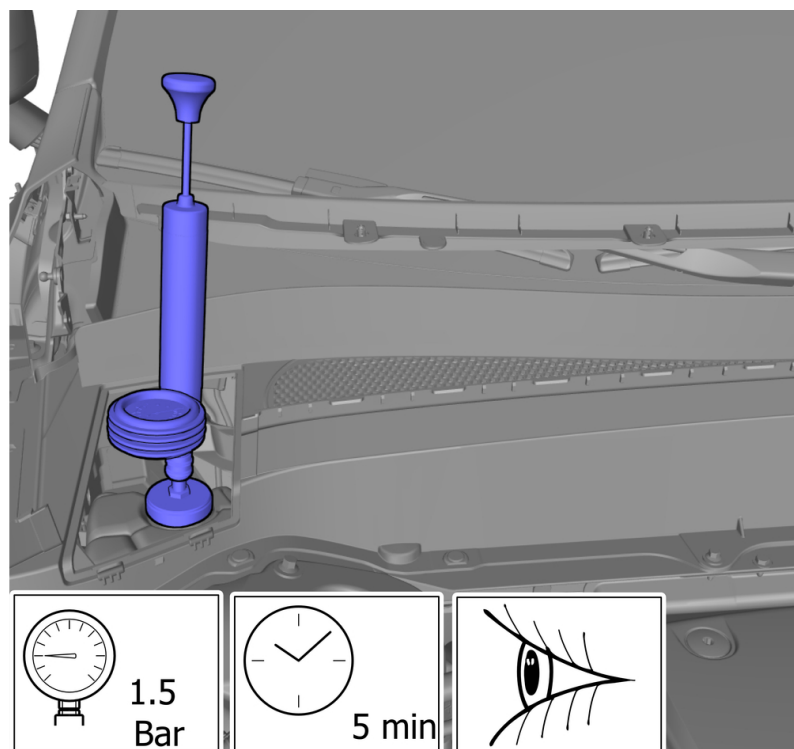


Special Tool: T9985496, ENGINE COOLANT SYSTEM - PRESSURE TESTER

Special Tool: T9512955, Cover



**Caution! Make sure that the system pressure is within specification.**



**Note! Ensure not to undercut the time specified in the image.**

Check the cooling system for leaks.

# PARTS BULLETIN

Subject: Recall R29936: Coolant Bleeder Hose (Engine Side)	Group: 2	No: R29936
MY 2016 XC90	Market: US & Canada	
		Date: 4/17/19

Reference Bulletin: QB R29936

Volvo Car USA LLC and Volvo Car Canada LTD (Volvo) on behalf of Volvo Car Group has decided to launch Recall R29936 on model year 2016 XC90 vehicles.

Volvo has identified that the coolant bleeder hose (engine side) may degrade over time and crack due to heat and humidity load. This condition can create a coolant leak, and also pose a risk of coolant leaking on the catalytic converter. If the coolant leak goes unnoticed, coolant may accumulate in the catalytic converter heatshield insulation and, in a worst case scenario, over time this might result in a fire in the engine compartment area when the vehicle is stationary.

The corrective action is to replace the engine side coolant bleeder hose.

A total of 34,006 U.S. and 2,721 Canadian vehicles are eligible for this recall.

The following part numbers apply:

Part Number	Description	Qty
32252299*	Coolant Bleeder Hose	1
31439821	Coolant	1 (Non-Hybrid) 1.5 (Hybrid)

\*Maximum order quantity is 3.