

# V O L V O

## Volvo Car USA LLC

## Technical Journal

|                                                                                |                                    |                          |                         |
|--------------------------------------------------------------------------------|------------------------------------|--------------------------|-------------------------|
| Technical Journal Title<br>Check Engine Light with DTC ECM P244A00 (H6 Engine) |                                    | Ref. No.<br>TJ 37541.2.0 |                         |
| Issuer (Dept.)<br>Technical Service                                            |                                    | Issue Date<br>12/10/25   | Status Date<br>12/11/25 |
| Car Market<br>United States and Canada                                         | Partner<br>3 US 7510 Volvo Car USA | Function Group<br>2540   |                         |
| Function Description<br>Catalytic converter and emission control               |                                    | Page<br>Page 1 of 25     |                         |

## Attachment

| File Name                  | File Size |
|----------------------------|-----------|
| TJI-527893-3_1_1_en-US.pdf | 23.196 MB |

Rows beginning with \* are modified

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

## DESCRIPTION:

\*Part numbers removed from "Service" section.

If the Check Engine Light is illuminated in the DIM and DTC ECM P244A00 is set, please follow the advice under "Service".

## CSC Customer Symptom Codes

| Code | Description                                                                                           |
|------|-------------------------------------------------------------------------------------------------------|
| DL   | Warning lights and chimes/Malfunction Indicator Light ("Check engine" light) indication/no indication |

## DTC Diagnostic Trouble Codes

| Control Module | Code    | Fault Type |
|----------------|---------|------------|
| ECM            | P244A00 | Permanent  |

## Vehicle Type

| Type | Eng | Eng Desc | Sales | Body | Gear | Steer | Model Year | Plant | Chassis range | Struc Week Range |
|------|-----|----------|-------|------|------|-------|------------|-------|---------------|------------------|
| 224  | H6  | BH6PHEV  |       |      |      |       | 2022-9999  |       | -             | 202417-999952    |
| 225  | H6  | BH6PHEV  |       |      |      |       | 2022-9999  |       | -             | 202417-999952    |
| 238  | H6  | BH6PHEV  |       |      |      |       | 2022-9999  |       | -             | 202147-999952    |
| 246  | H6  | BH6PHEV  |       |      |      |       | 2022-9999  |       | -             | 202147-999952    |
| 256  | H6  | BH6PHEV  |       |      |      |       | 2022-9999  |       | -             | 202147-999952    |

## Technical Journal 37541.2.0

---

### SERVICE:

This Technical Journal is a complement to the fault tracing in VIDA. Please follow the steps below.

1. Clear the DTC.
2. Insulate the pipes with a protection sleeve according to attachment TJI-527893-3\_1\_1\_en-US.pdf.
3. Let the car idle for 5 minutes and then read out the DTC again.
  - If the DTC does not reset, release the car to the customer.
  - If the DTC does reset, continue to fault trace according to VIDA.

### Warranty claim info:

To get a warranty claim accepted for a job described in this TJ, use the corresponding VST OP number stated in this TJ.

Please note that fault tracing is not eligible for separate reimbursement under this TJ. Any fault tracing VST operation numbers will be rejected.

Note that the TJ number must be stated in the repair order text.

### VST Operation Number

| VST Operation Number | Description                                            |
|----------------------|--------------------------------------------------------|
| 98295-2              | Hoses, differential pressure sensor replace acc. to TJ |
| 98817-2              | DTC readout/ reset incl. VIDA connection acc. to TJ    |

### VEHICLE REPORT:

Yes, please submit a Vehicle Report if the service solution described in this TJ has no effect. Use the concern area "Vehicle Report" and the sub-concern area "Support Needed", use function group 2540.

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



## Volvo Car Customer Service

TJ Instruction VCC-527893-3

|               |                                              |                          |          |
|---------------|----------------------------------------------|--------------------------|----------|
| <b>Title</b>  | Differential pressure sensor particle filter | <b>Page</b>              | 1 ( 23 ) |
| <b>Action</b> | Product fix                                  | <b>Operation number:</b> | 98295-2  |

|              |             |               |
|--------------|-------------|---------------|
| <b>Issue</b> | <b>Date</b> | <b>Reason</b> |
| 1            | 2025-10     | First issue   |

### Affected vehicles

| Model year                         | Model      | Engine             | Partner group              |
|------------------------------------|------------|--------------------|----------------------------|
| 2022, 2023,<br>2024, 2025          | S60 (19-)  | B4204T52, T56, T57 | America<br>China<br>Nordic |
| 2022, 2023,<br>2024                | S90 (17-)  | B4204T53, T56      | Nordic                     |
| 2022, 2023,<br>2024, 2025,<br>2026 | S90L       | B4204T56, T57      | America<br>China           |
| 2022, 2023,<br>2024, 2025,<br>2026 | V60 (19-)  | B4204T52, T56, T57 | America<br>Nordic          |
| 2022, 2023,<br>2024, 2025,<br>2026 | V90 (17-)  | B4204T52, T56      | Nordic                     |
| 2022, 2023,<br>2024, 2025,<br>2026 | XC60 (18-) | B4204T52, T56, T57 | America<br>China<br>Nordic |
| 2022, 2023,<br>2024, 2025,<br>2026 | XC90 (16-) | B4204T56, T57      | America<br>China<br>Nordic |

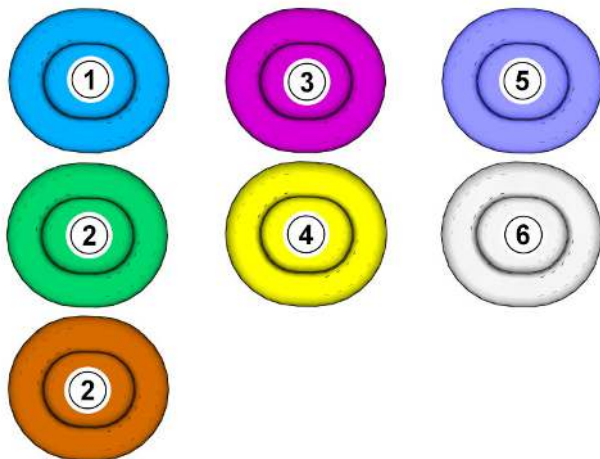
### Materials

| Materials       | Qty. | Part No. | Notes |
|-----------------|------|----------|-------|
| Strip clamp     | 2.0  | 983750   |       |
| Protecting hose | 2    | 8622735  |       |
| Cable tie       | 9    | 981743   |       |

### Equipment

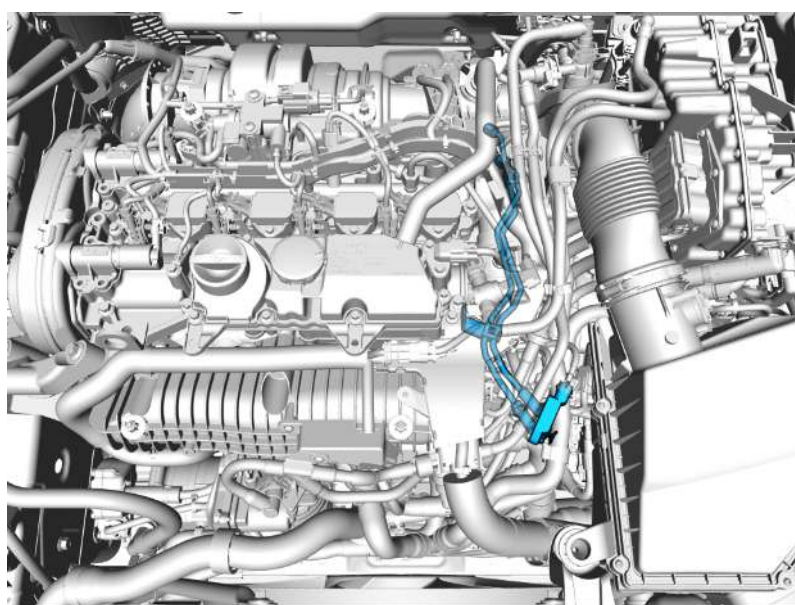
| Designation | Part No. |
|-------------|----------|
| Scissors    |          |

### 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.



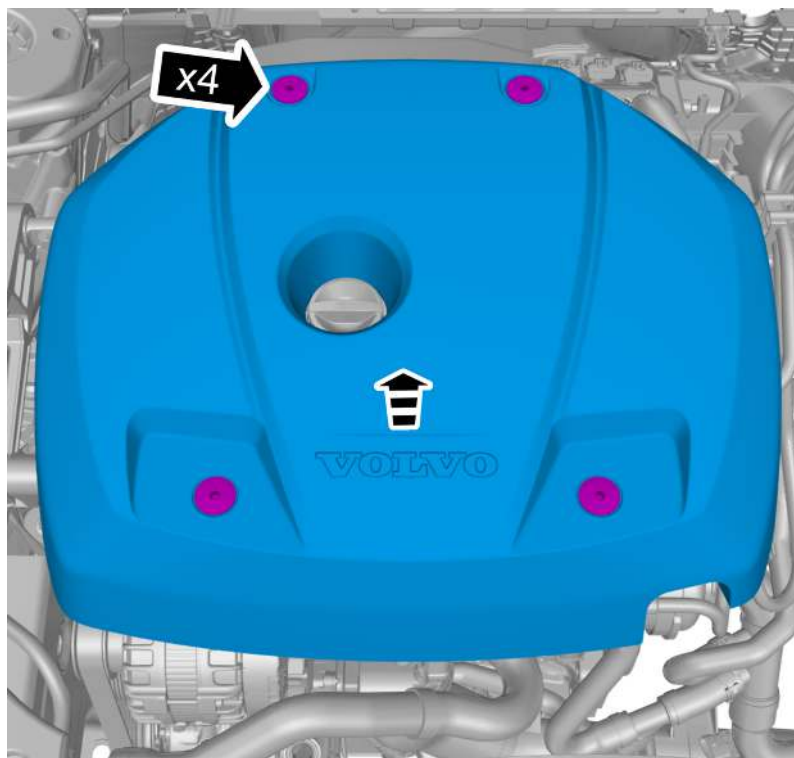
**Note! Orientation view**

### Removal

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

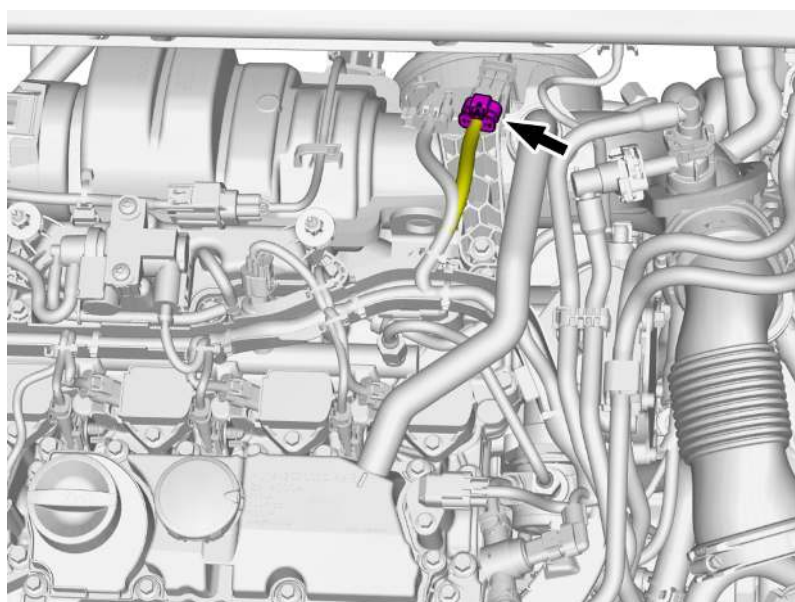
Perform fuel system pressure release , refer to:  
Cleaning, Inspection and Adjustment  
2 - Engine with mountings and equipment  
23 - Fuel system  
234 - fuel tank, fuel lines, evaporator system

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

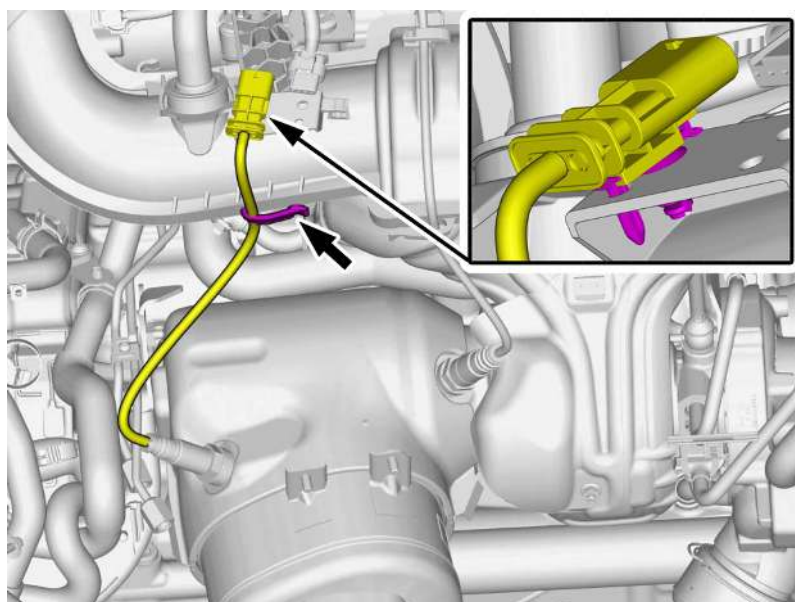


Loosen the screws.  
Remove the marked part.

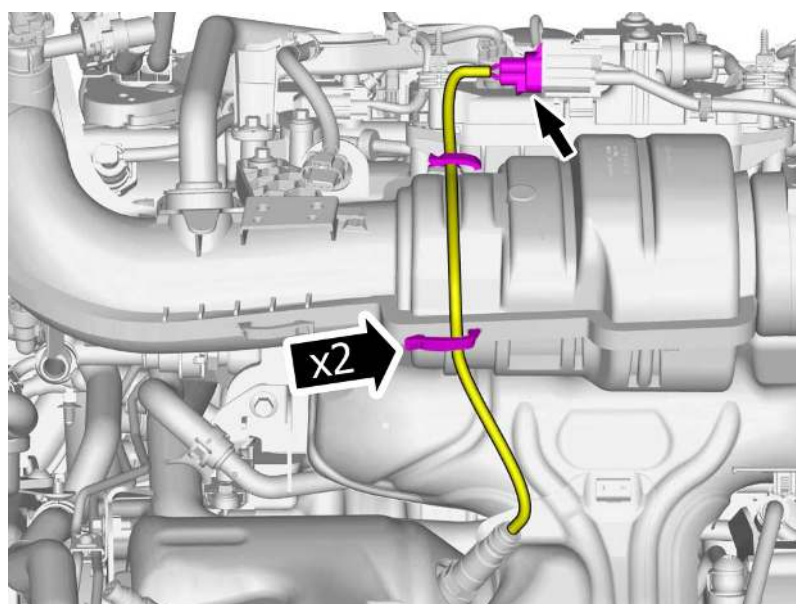
Remove air cleaner housing , refer to:  
Removal, replacement and installation  
2 - Engine with mountings and equipment  
25 - Intake and exhaust system  
256 - air cleaner and throttle housing



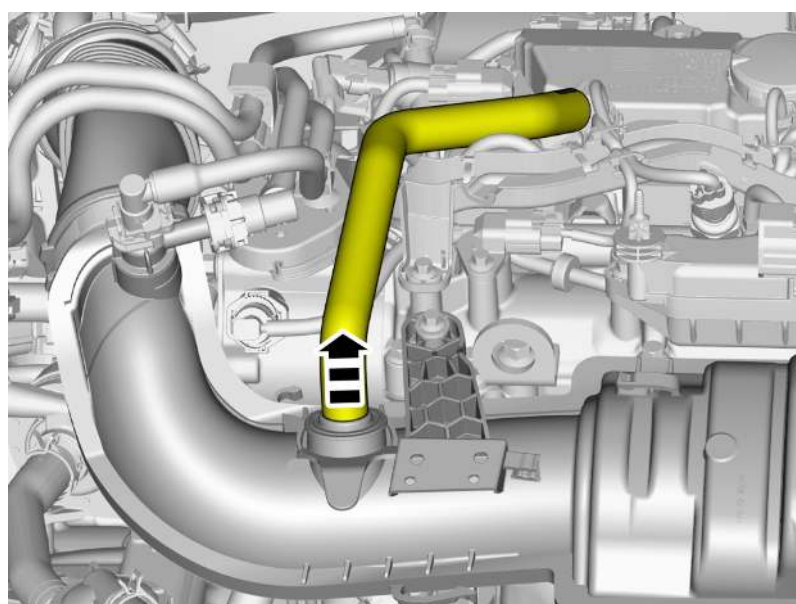
Release the connector's catch.  
Disconnect the connector.  
Fold the cable harness aside.



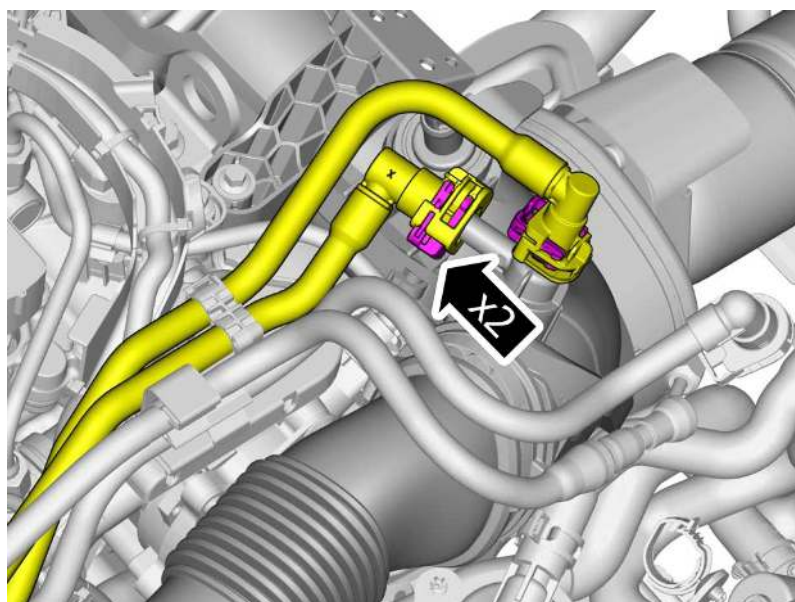
Remove the cable harness clips.  
Fold marked part aside.



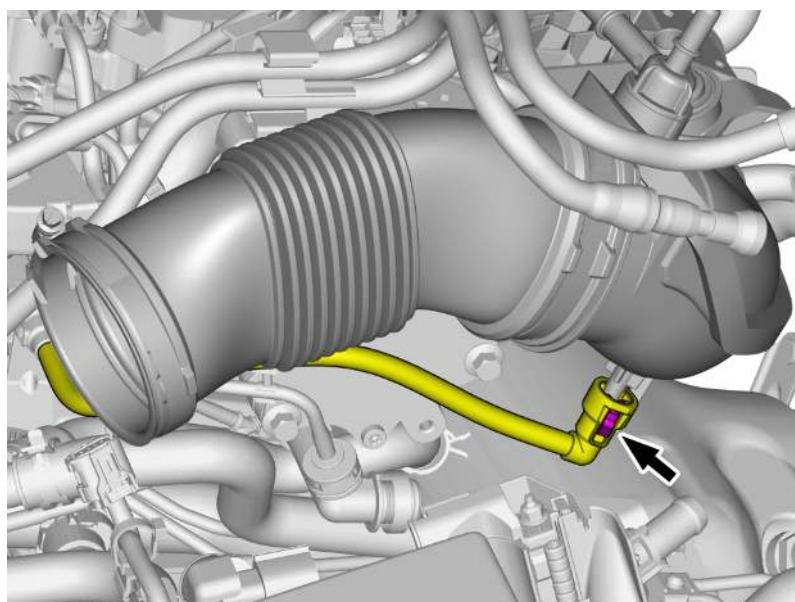
Release the connector's catch.  
Disconnect the connector.  
Remove the cable harness clips.  
Fold the cable harness aside.



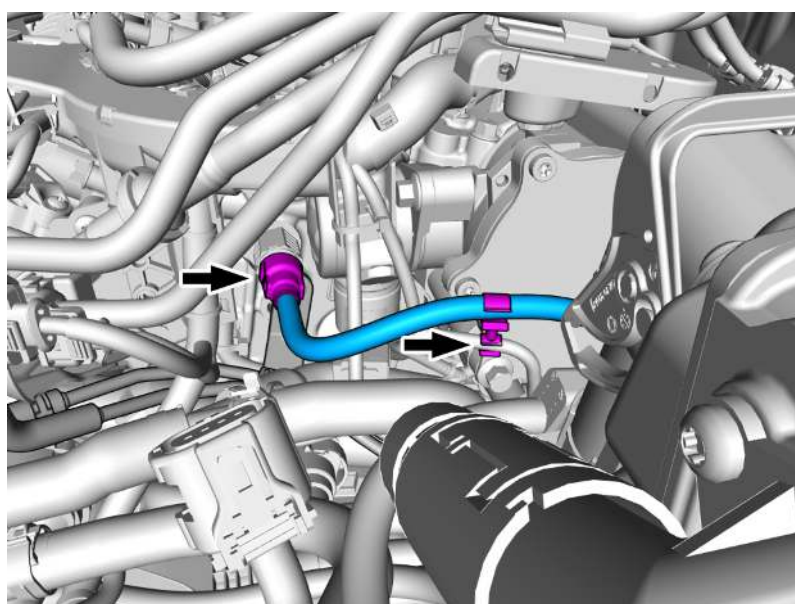
Undo the hose from the connection.  
Fold marked part aside.



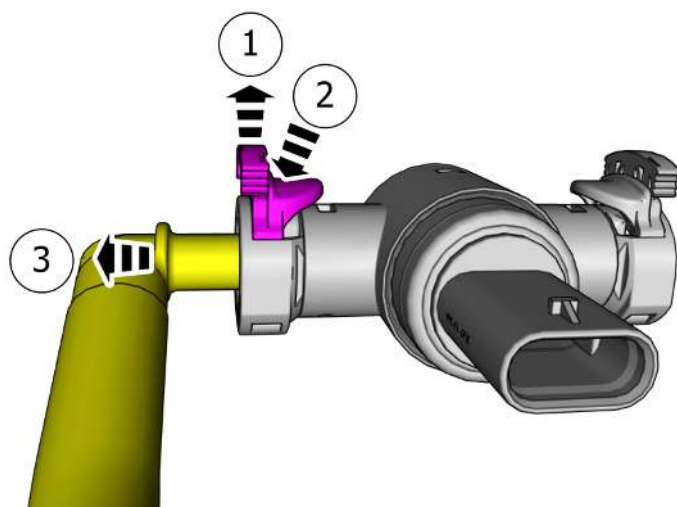
Release the locks.  
Undo the hoses from the connections.  
Fold marked parts aside.



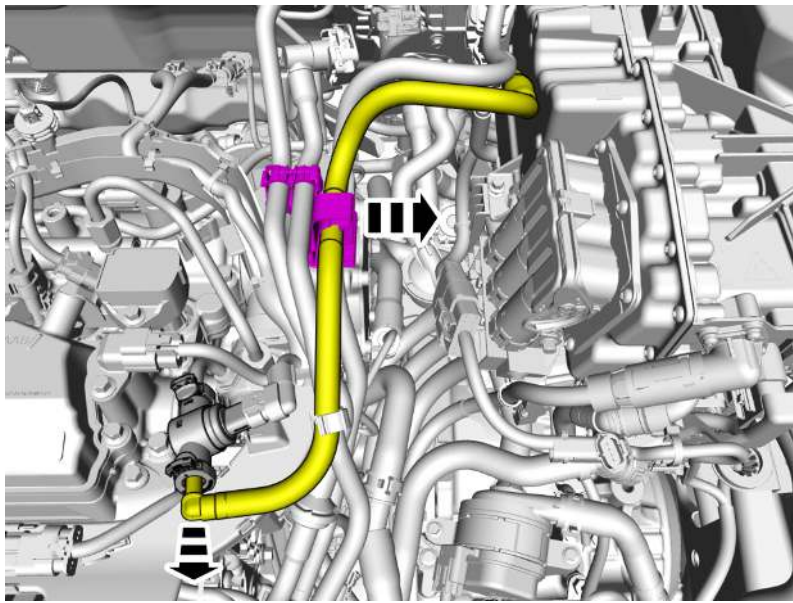
Release the lock.  
Undo the hose from the connection.



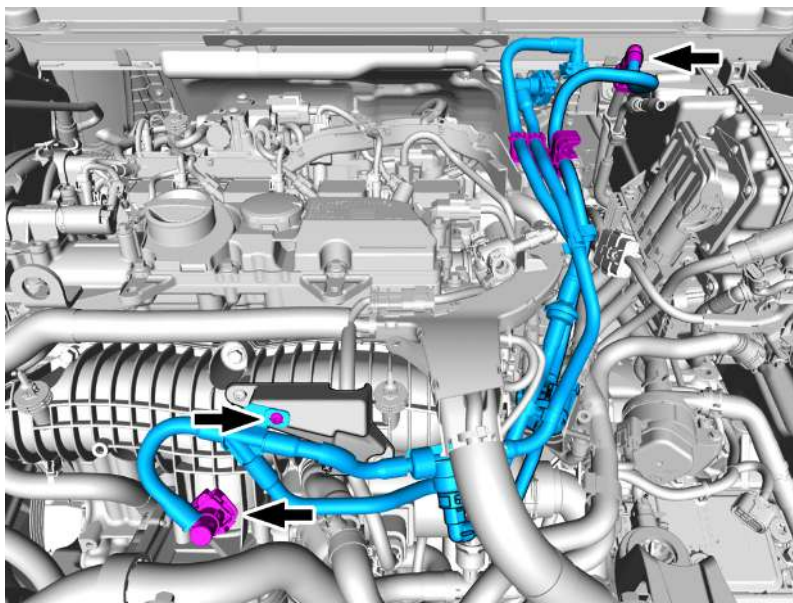
Undo the hose from the connection.  
Remove the marked part.



- 1 . Release the catch.
- 2 . Depress the locking device.
- 3 . Undo the hose from the connection.



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

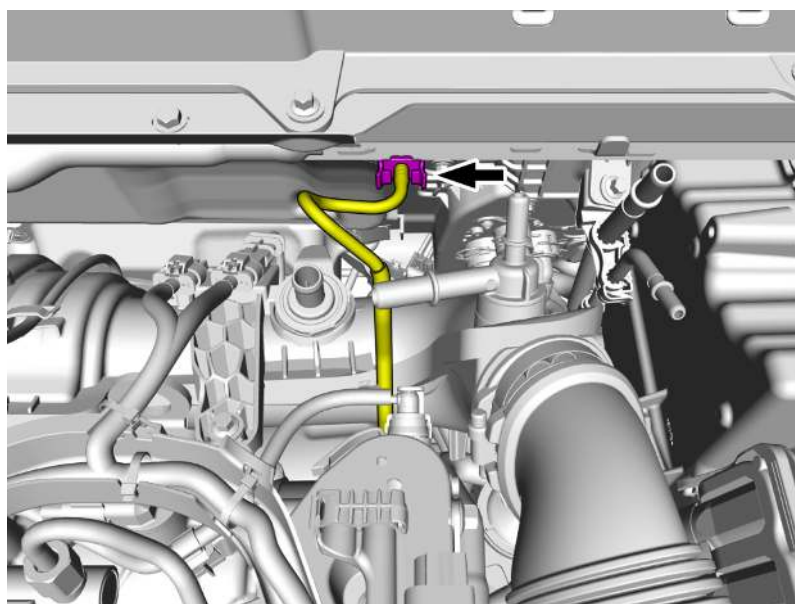


Remove the screw.

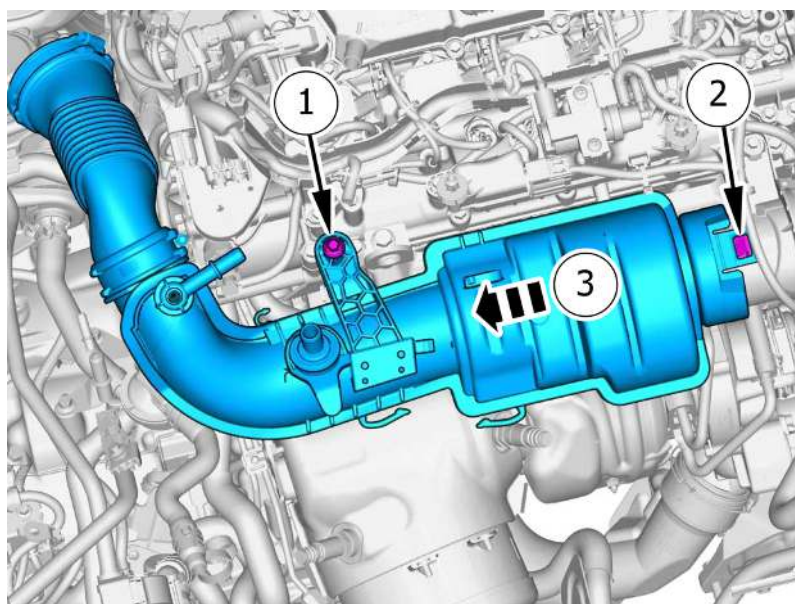
**Torque:**

M5 , 5 Nm

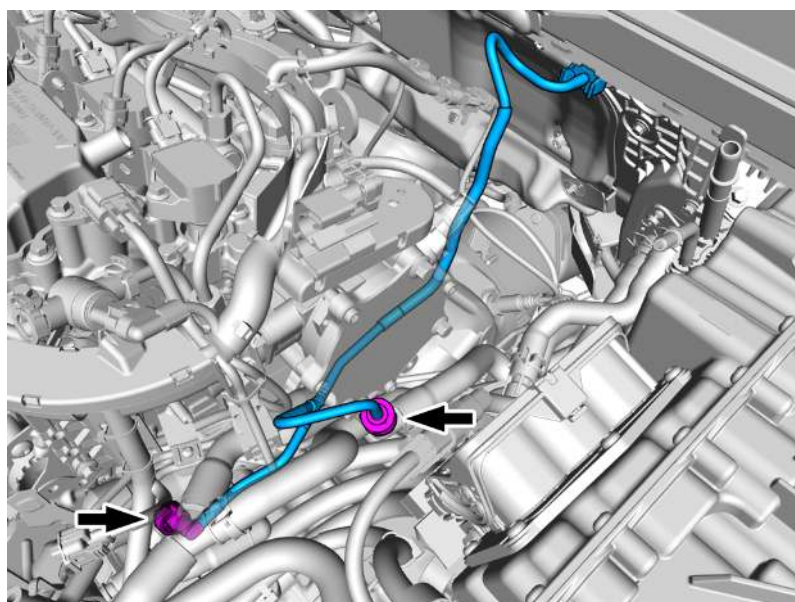
Undo the hoses from the connections.  
Remove the marked part.



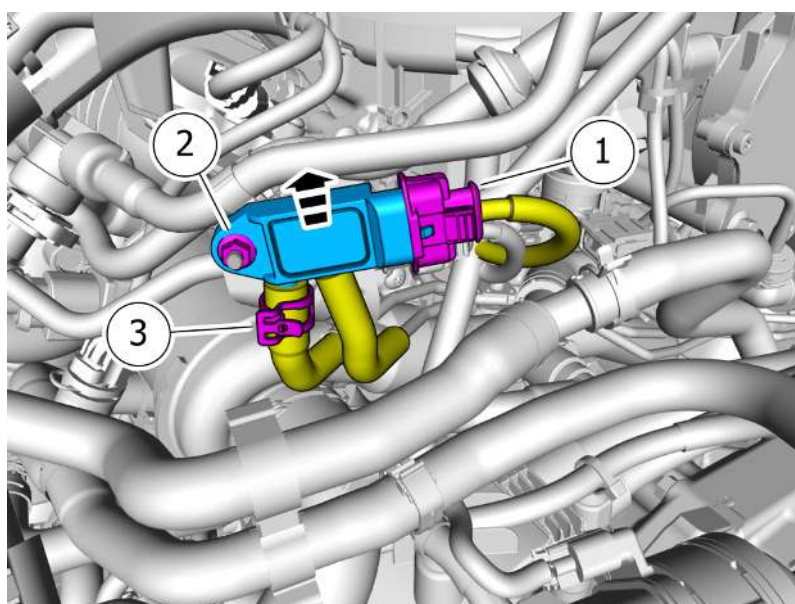
Undo the hose from the connection.  
Fold marked part aside.



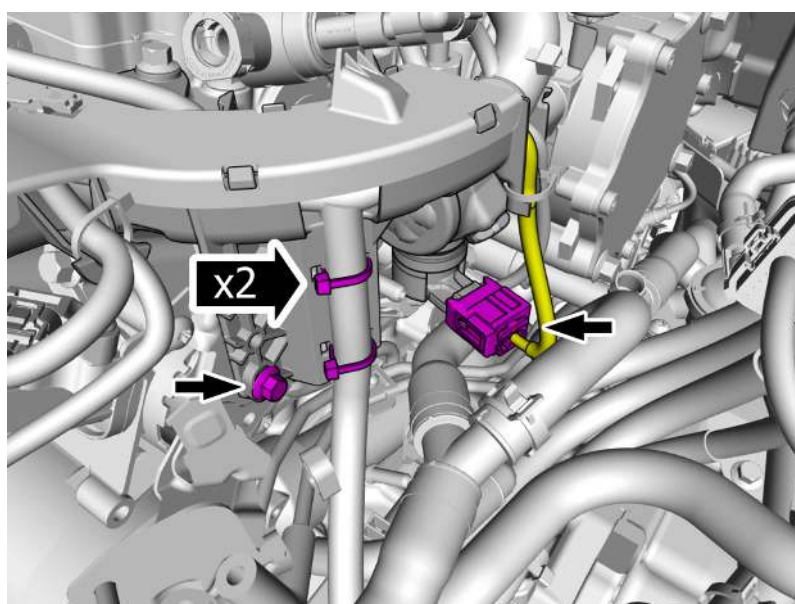
- 1 . Remove the screw.
- 2 . Release the catch.
- 3 . Remove the marked part.
- 4 . **Torque:**  
M6 , 10 Nm



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



- 1 . Disconnect the connector.
- 2 . Remove the nut.
- 3 . Loosen the hose clamp.
- 4 . Remove the marked part.
- 5 . **Torque:**  
M5 , 5 Nm



Remove the screw.

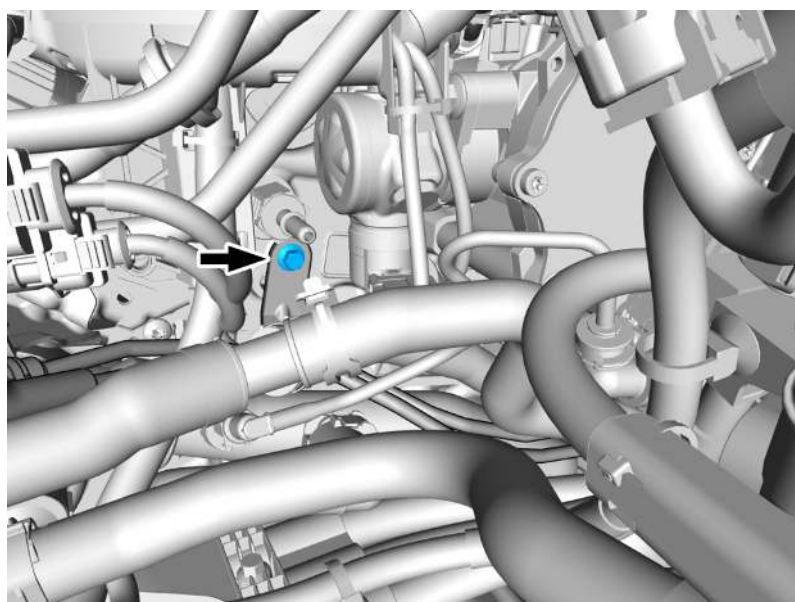
**Torque:**

M6 , 10 Nm

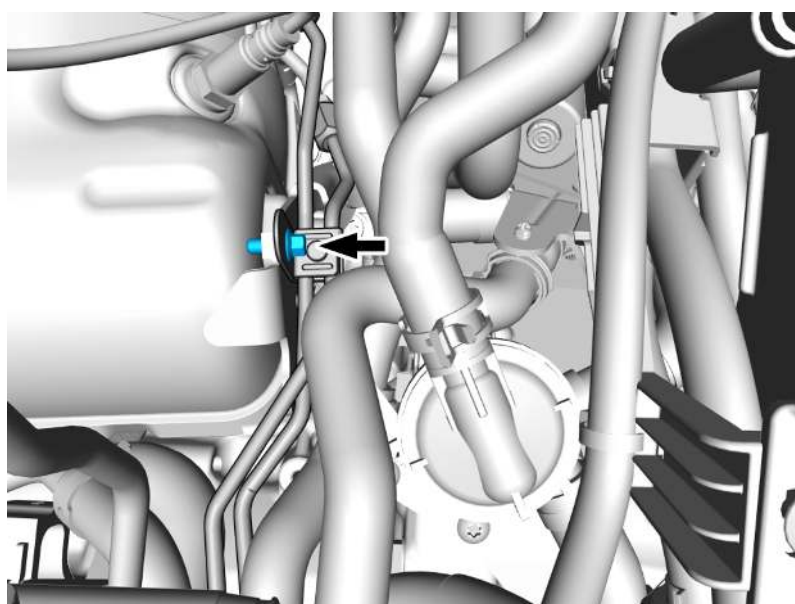
Remove the cable tie(s).

Disconnect the connector.

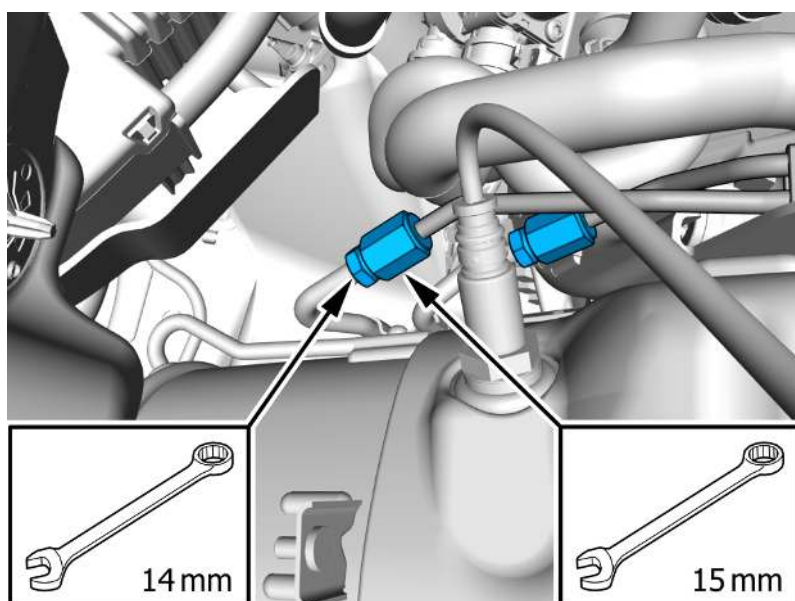
**Use:** Strip clamp , 983750



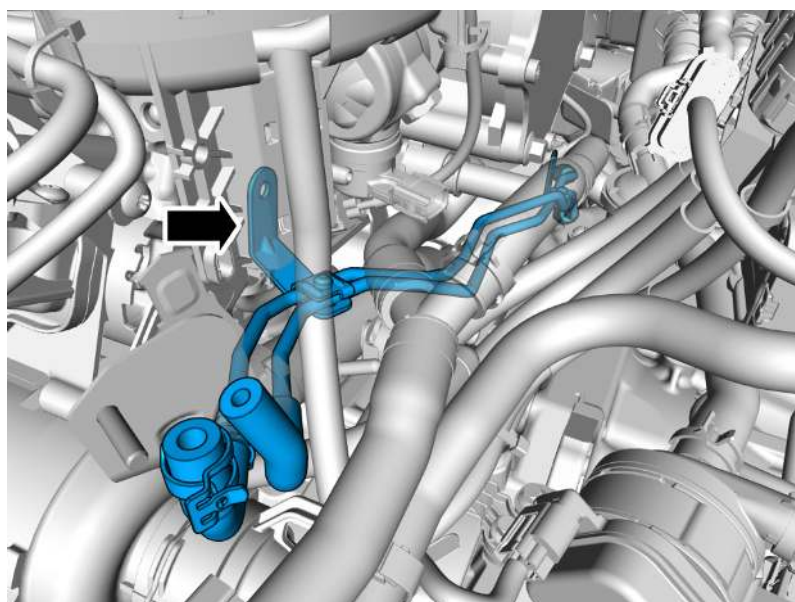
Remove the screw.



Remove the screw.

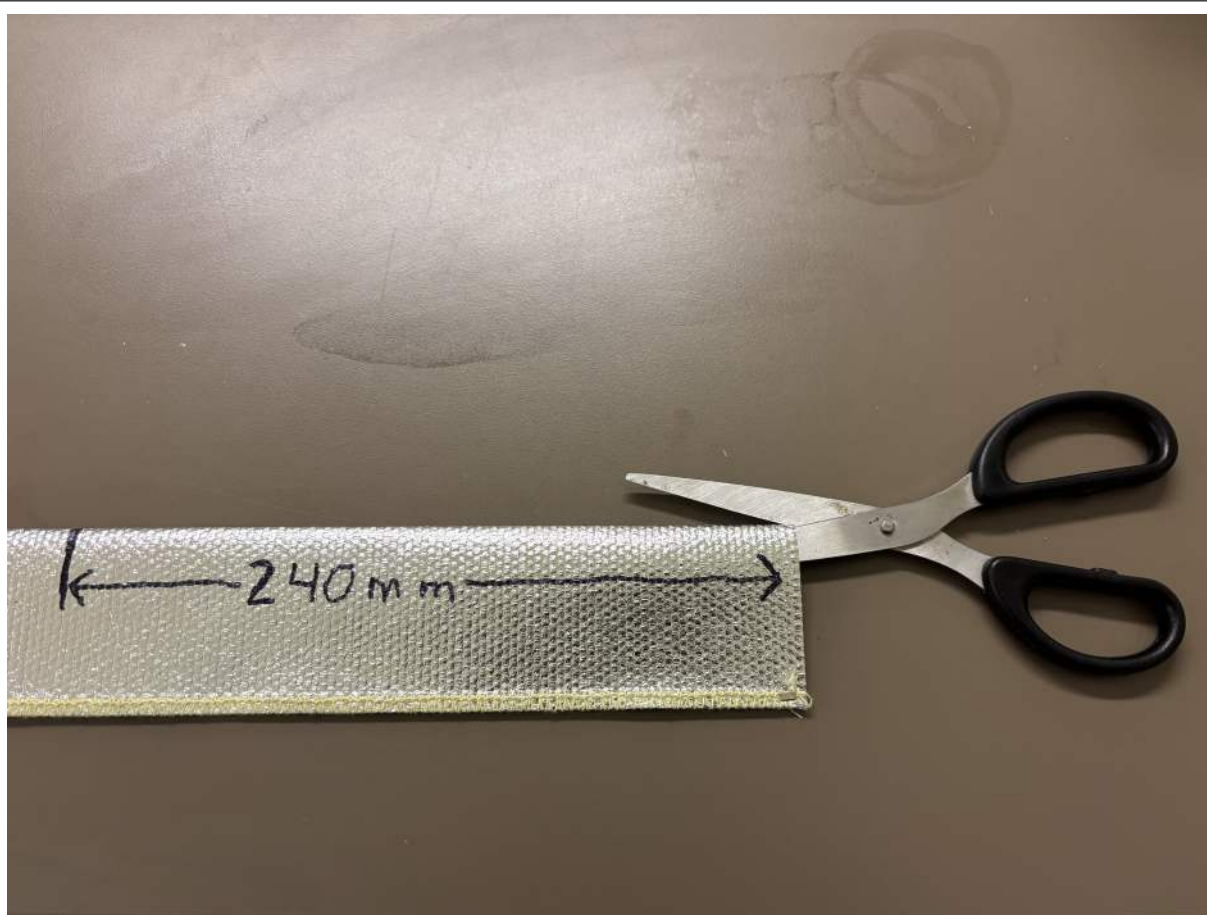


Loosen the nuts.



Remove the marked part.

### Modification



Cut the component according to the image.

**Use:** Scissors



Install the marked component.

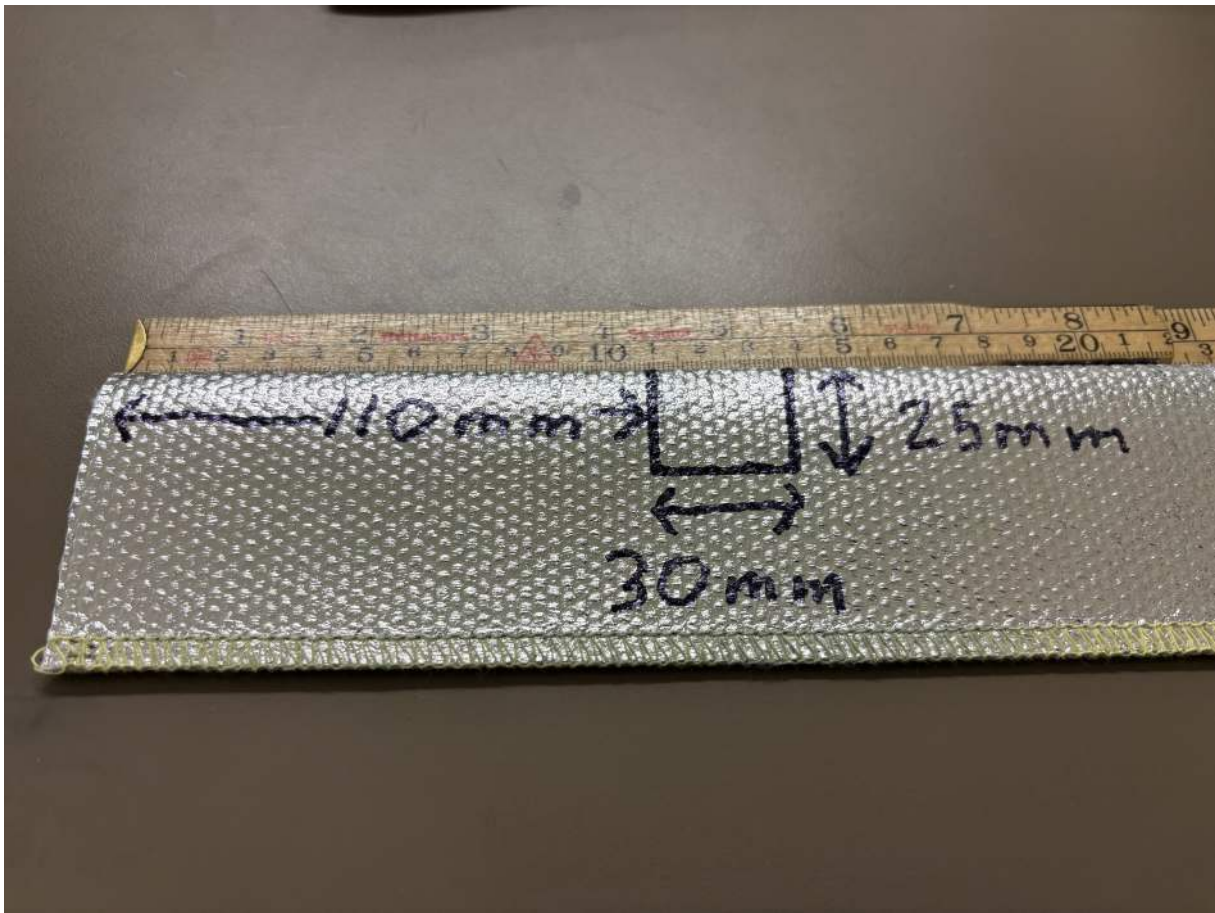


Place the cable tie as illustrated.



Cut the component according to the image.

**Use:** Scissors





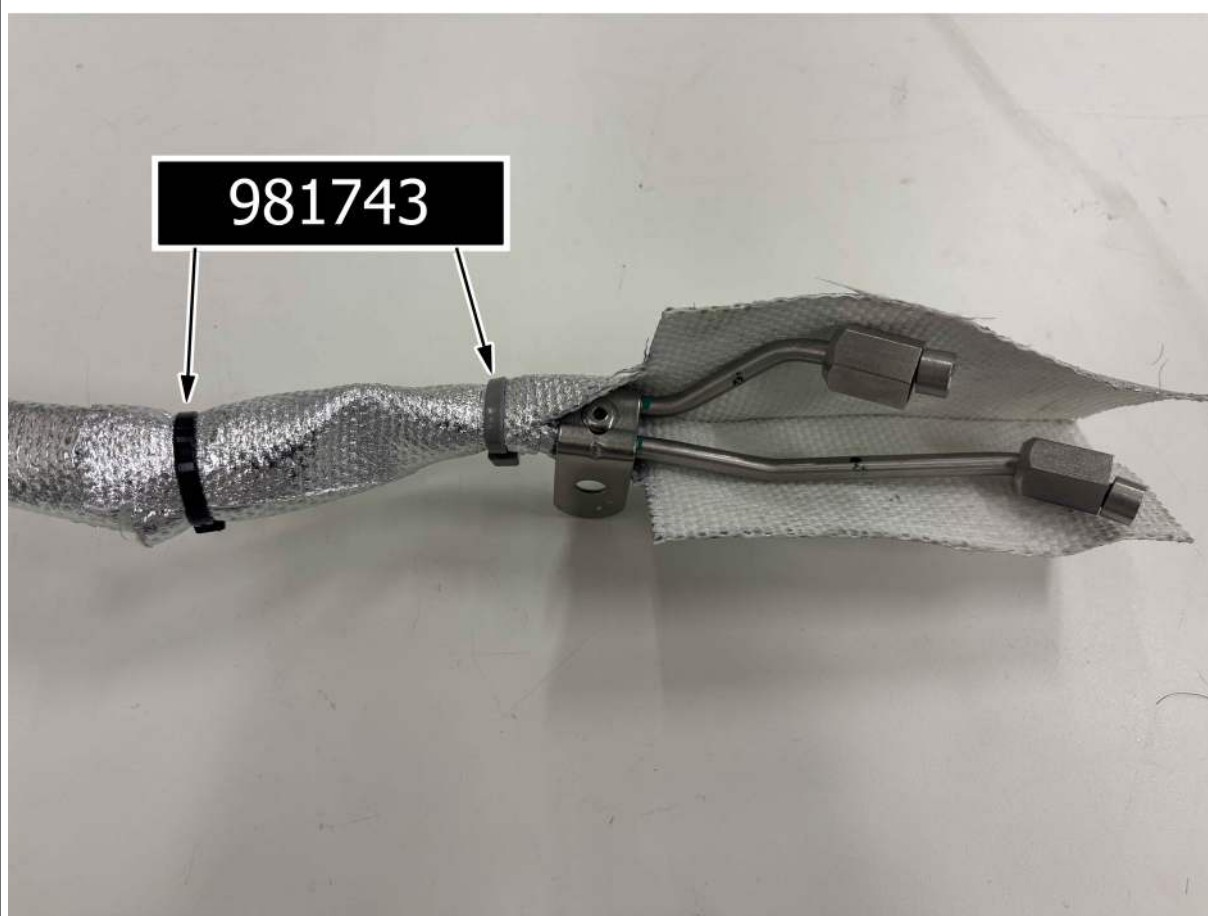
Cut the component according to the image.

**Use:** Scissors

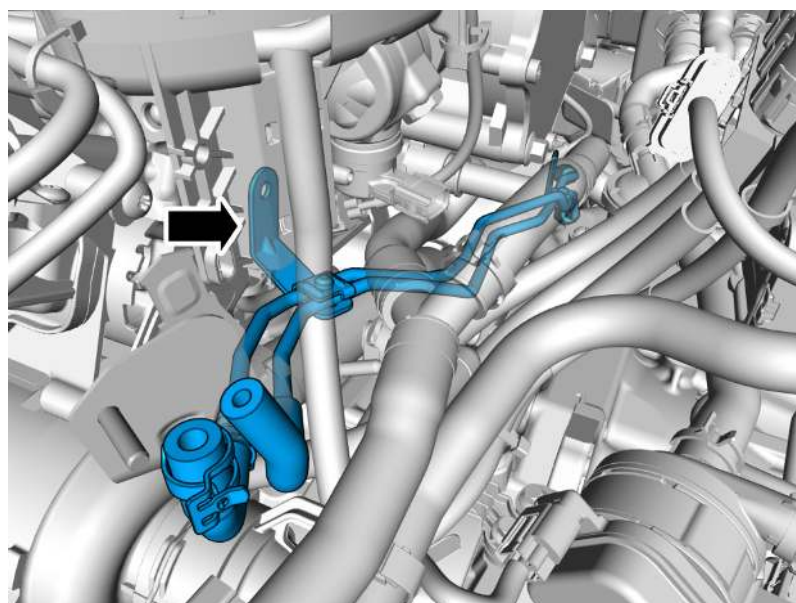


Cut the component according to the image.  
On both sides.

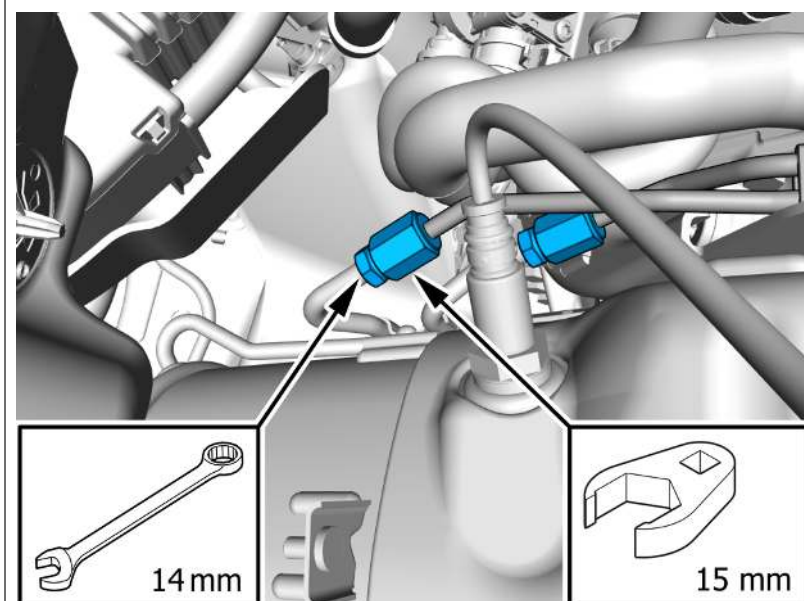
**Use:** Scissors



Install the marked components.  
Place the cable tie as illustrated.



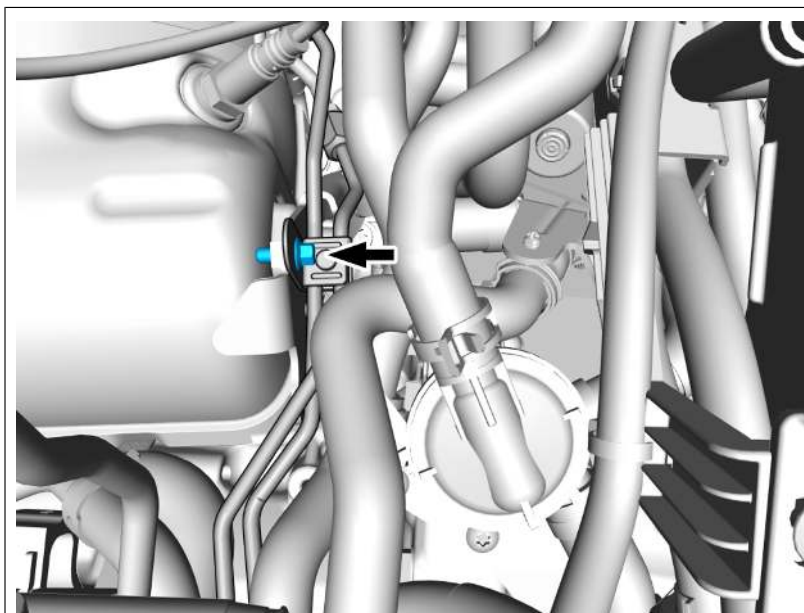
Install the marked component.



Tighten the nuts.

**Torque:**

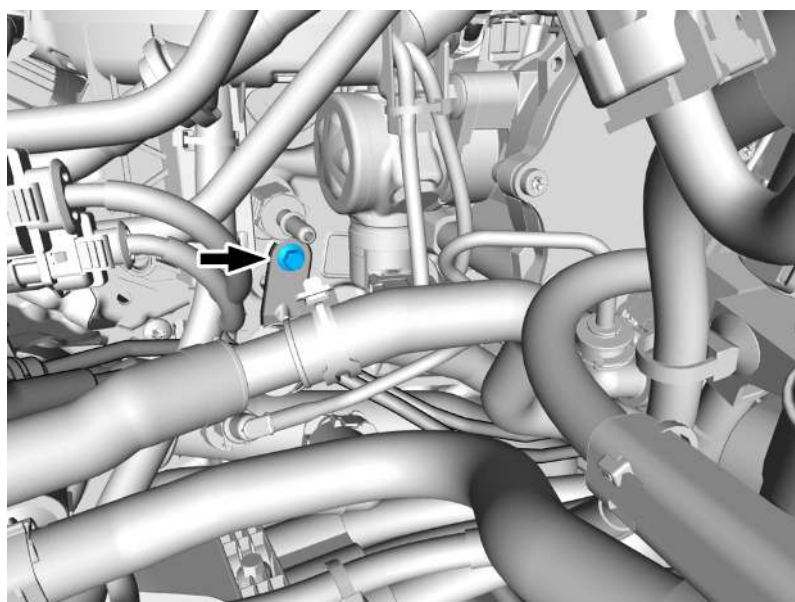
Delivery pipe to particle filter , 24 Nm



Tighten the screw.

**Torque:**

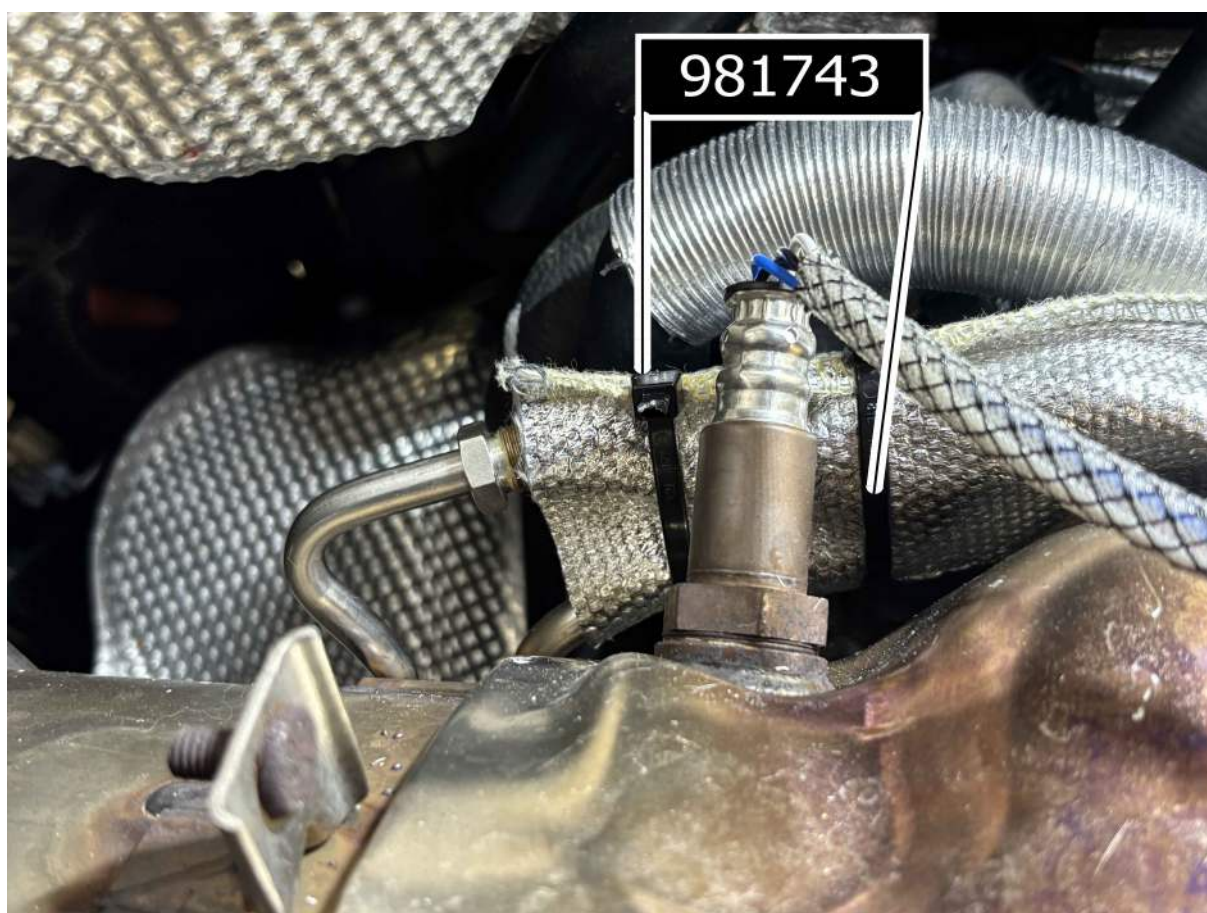
M6 , 10 Nm



Tighten the screw.

**Torque:**

M6 , 10 Nm



Place the cable tie as illustrated.

Reinstall the removed parts in reverse order.

Refill cooling system - draining, charging and bleeding , refer to:

Cleaning, Inspection and Adjustment

2 - Engine with mountings and equipment

26 - Cooling system

261 - radiator and connections