Emissions Service Action
Code: 26L9

Subject | **Exhaust Gas Recirculation (EGR) Cooler**

Release Date | August 21, 2019

Affected Vehicles | **Certain Audi 3.0L TDI Generation 2 Passenger Car (PC) Vehicles**

Country	Model Year	Vehicle	Vehicle Count
USA	2014	A8	6
USA	2014	A7	1
USA	2014	A6 SEDAN	9
USA	2014	Q5	20
CAN	2014	A7	1
CAN	2014	Q5	5

Check Campaigns/Actions screen in Elsa on the day of repair to verify that a VIN qualifies for repair under this action. Elsa is the only valid campaign inquiry & verification source.

- ✓ *Campaign status must show "open."*
- ✓ *If Elsa shows other open action(s), inform your customer so that the work can also be completed at the same time the vehicle is in the workshop for this campaign.*

Problem Description | Due to a parts catalog error, an incorrect EGR cooler may have been installed on some vehicles during a past service repair visit. Audi will inspect, and if necessary replace the EGR cooler as a proactive measure to ensure continued emissions compliance.

Corrective Action | Inspect and, if necessary, replace the EGR cooler.

IMPORTANT! AEM Not Required To Receive This Repair | **This service action is fully independent of the approved diesel modification recall on affected vehicles. For customer convenience, this action can be performed at the same time as other service work, but can also be done independent of the diesel modification (AEM). Customers do not need to receive the diesel modification (AEM) in order to receive this repair.**

Parts Information

Parts Control Type: VIN to Order

Due to the small number of affected vehicles there will not be a parts allocation. Please reference the Repair Projection Tool (below) to view your potential VIN population.

If parts are needed to support a vehicle repair:

- US Dealers - use AVA
- CAN Dealers - contact the Parts Specialists via phone (800-767-6552), email (VWoAPartsSpecialists@vw.com), or chat/text with the VIN to order

Part Number	Description (per POC)	Qty. per Vehicle	Ordering Method
059131515FP	COOLER	1	VIN to Order
059129717N	GASKET	6	Free Order
059129718A	GASKET	6	Free Order
059131358B	GASKET	1	Free Order
059131547P	GASKET	1	Free Order
059131547R	GASKET	1	Free Order
059131548E	CLIP	1	Free Order

059131599K	GASKET	1	Free Order
059145215B	GASKET	1	Free Order
1K0253725F	CLIP	1	Free Order
G 013A8JS0	COOL.ADD.	Up to 15.00L	Free Order
N 10124306	BOLT	2	Free Order
N 90809102	SEAL RING	1	Free Order

Projection Tool (double click to open):

Code Visibility

On or about August 21, 2019, affected vehicles will be listed on the Inventory Vehicle Open Campaign Action report under My Dealership Reports (found on www.accessaudi.com & OMD Web). A list will not be posted for dealers who do not have any affected vehicles.

On or about August 21, 2019, this campaign code will show open on affected vehicles in Elsa.

On or about August 21, 2019, affected vehicles will be identified with this campaign code in the VIN Lookup tool at www.audiusa.com.

Owner Notification

Owner notification will take place in August, 2019. Owner letter examples are included in this bulletin for your reference.

Emissions Campaigns Requirements (CALIFORNIA ONLY)

The California Air Resources Board and the Department of Motor Vehicles (DMV) require emissions-related campaigns to be completed prior to vehicle registration renewal. When campaign work is done you must provide the owner with a signed "Vehicle Emission Recall – Proof of Correction" certificate (RC EMISCAVWAU). Order certificates online via the Compliance Label Ordering portal at www.accessaudi.com.

Additional Information

Please alert everyone in your dealership about this action, including Sales, Service, Parts and Accounting personnel. Contact Warranty if you have any questions.

Dealers must ensure that every affected inventory vehicle has this campaign completed before delivery to consumers.

Fill out and affix Campaign Completion Label (CAMP 010 000) after work is complete.
Labels can be ordered at no cost via the Compliance Label Ordering portal at www.accessaudi.com.

Claim Entry Instructions

After campaign has been completed, enter claim as soon as possible to help prevent work from being duplicated elsewhere. Attach the Elsa screen print showing action *open on the day of repair* to the repair order.

If customer refused campaign work:

- ✓ U.S. dealers: Submit the request through Audi Warranty Online under the Campaigns/Update option.
- ✓ Canada dealers: Upload the repair order [signed by customer] to AudiWIN/Operations/Campaign Closure.

Service Number	26L9
Damage Code	0099
Parts Vendor Code	002
Claim Type	Sold vehicle: 7 10 Unsold vehicle: 7 90
Causal Indicator	Mark EGR Cooler as causal part*
Vehicle Wash/Loaner	Do not claim wash/loaner under this action
Criteria I.D.	01

ALL Models:

Inspect Exhaust Gas Recirculation (EGR) Cooler part number, correct part number installed, no further work required.

Labor operation: 0183 01 99 30 T.U.

-OR-

A8 Models:

Inspect Exhaust Gas Recirculation (EGR) Cooler part number, incorrect part number installed, replace Exhaust Gas Recirculation (EGR) Cooler

Labor operation: 2643 19 99 350 T.U.

Quantity	Part Number	Description
1.00	059131515FP	EGR Cooler*
6.00	059129717N	Intake Gasket
6.00	059129718A	Intake Gasket
1.00	059131358B	Gasket
1.00	059131547P	Gasket
1.00	059131547R	Gasket
1.00	059131548E	Clamp
1.00	059131599K	Gasket
1.00	059145215B	O-Ring gasket
1.00	1K0253725F	Clamp
Up to 150.00	G 013A8JS0	Coolant
2.00	N 10124306	Oval hexagon socket head bolt
1.00	N 90809102	O-Ring

-OR-

(continued on next page)

A6, A7, Q5 Models:

Inspect Exhaust Gas Recirculation (EGR) Cooler part number, incorrect part number installed, replace Exhaust Gas Recirculation (EGR) Cooler.

Labor operation: 2643 20 99 320 T.U.

Quantity	Part Number	Description
1.00	059131515FP	EGR Cooler*
6.00	059129717N	Intake Gasket
6.00	059129718A	Intake Gasket
1.00	059131358B	Gasket
1.00	059131547P	Gasket
1.00	059131547R	Gasket
1.00	059131548E	Clamp
1.00	059131599K	Gasket
1.00	059145215B	O-Ring gasket
1.00	1K0253725F	Clamp
Up to 150.00	G 013A8JS0	Coolant
2.00	N 10124306	Oval hexagon socket head bolt
1.00	N 90809102	O-Ring

Customer Letter Example (United States)

<MONTH YEAR>
<CUSTOMER NAME>
<CUSTOMER ADDRESS>
<CUSTOMER CITY STATE ZIPCODE>

This notice applies to your vehicle: <VIN>

Subject: **Emissions Service Action 26L9 – Exhaust Gas Recirculation (EGR) Cooler**
Certain 2014 Model Year Audi A6 Sedan, A7, A8, and Audi Q5 Vehicles with 3.0L TDI Engine (Generation 2 Passenger Cars)

Dear Audi Owner,

In cooperation with the United States Environmental Protection Agency and the California Air Resources Board, we are informing you of our decision to conduct an emissions service action on certain 2014 model year Audi A6 Sedan, A7, A8, and Audi Q5 vehicles with 3.0L TDI Engine (Generation 2 Passenger Cars). Our records show that you are the owner of a vehicle affected by this action.

Please note: This service action is fully independent of the approved diesel modification recall on your vehicle. For your convenience, this action can be performed at the same time as other service work, but can also be done independent of the diesel modification. You do not need to receive the diesel modification in order to receive this repair.

What is the issue?	Due to a parts catalog error, an incorrect exhaust gas recirculation (EGR) cooler was installed during a past service repair visit. Audi will inspect, and if necessary, replace the EGR cooler as a proactive measure to ensure continued emissions compliance.
What will we do?	Your authorized Audi dealer will inspect, and if necessary, install the correct EGR cooler. This work will take about three hours to complete and will be performed for you free of charge. Please keep in mind that your dealer may need additional time for the preparation of the repair, as well as to accommodate their daily workshop schedule.
What should you do?	In order to limit any possible inconvenience, please contact your authorized Audi dealer as soon as possible to schedule this service. For your convenience, you can also visit www.audiusa.com and click on the "Find a Dealer" link to locate a dealer near you and schedule this service.
Lease vehicles and address changes	If you are the lessor and registered owner of the vehicle identified in this action, please forward this letter immediately via first-class mail to the lessee within ten (10) days of receipt. If you have changed your address or sold the vehicle, please fill out the enclosed prepaid Owner Reply card and mail it to us so we can update our records.
Important information for California Vehicle Owners – California Regulations	California regulations require that this campaign be completed prior to the time you renew your vehicle registration. Therefore, **please make sure that this campaign is completed prior to the renewal of your vehicle registration**, and that you furnish proof of completion to the Department of Motor Vehicles (DMV) in the form of a copy of the dealer's repair order, including a signed "Proof of Correction" certificate. You obtain this from your dealer after the campaign has been completed. Please retain the signed "Proof of Correction Certificate" with your vehicle records. DO NOT MAIL THIS FORM to the DMV, unless requested.
Can we assist you further?	If your authorized Audi dealer fails or is unable to complete this work free of charge within a reasonable time, please contact Audi Customer Experience at 1-800-253-2834 or via our "Contact Us" page at www.audiusa.com.
Checking your vehicle for open Recalls and Service Campaigns	To check your vehicle's eligibility for repair under this or any other recall/service campaign, please visit the ***Recall/Service Campaign Lookup*** tool at www.audiusa.com and enter your Vehicle Identification Number (VIN).

We apologize for any inconvenience this matter may cause; however we are taking this action to help ensure your vehicle continues to meet and exceed your expectations.

Sincerely,

Audi Customer Protection

Customer Letter Example (CANADA)

<MONTH YEAR>

<CUSTOMER NAME>
<CUSTOMER ADDRESS>
<CUSTOMER CITY STATE ZIPCODE>

This notice applies to your vehicle: <VIN>

Subject: Emissions Service Action 26L9 – Exhaust Gas Recirculation (EGR) Cooler
Certain 2014 Model Year Audi A7 and Audi Q5 with 3.0L TDI Engine (Generation 2 Passenger Cars)

Dear Audi Owner,

This notice is sent to you in accordance with the requirements of the *Canadian Environmental Protection Act, 1999*. Audi has determined that a defect, which relates to a prescribed emission standard, exists in certain 2014 model year Audi A7 and Audi Q5 vehicles with 3.0L TDI Engine (Generation 2 Passenger Cars). Our records show that you are the owner of a vehicle affected by this action.

Please note: This service action is fully independent of the approved diesel modification recall on your vehicle. For your convenience, this action can be performed at the same time as other service work, but can also be done independent of the diesel modification. You do not need to receive the diesel modification in order to receive this repair.

What is the issue?	Due to a parts catalog error, an incorrect exhaust gas recirculation (EGR) cooler was installed during a past service repair visit. Audi will inspect, and if necessary, replace the EGR cooler as a proactive measure to ensure continued emissions compliance. It is undetermined whether there could be an impact on emissions. Audi is proactively inspecting, and if required, updating the EGR components in effected vehicles.
What will we do?	Your authorized Audi dealer will inspect, and if necessary, replace the EGR Cooler. This work will take about three hours to complete and will be performed for you free of charge. Please keep in mind that your dealer may need additional time for the preparation of the repair, as well as to accommodate their daily workshop schedule.
What should you do?	In order to limit any possible inconvenience, please contact your authorized Audi dealer as soon as possible to schedule this service. On or about August 21, 2019 the necessary repair instructions and parts will be available to your authorized Audi dealer.
Lease vehicles and address changes	If you are the lessor and registered owner of the vehicle identified in this action, please forward this letter immediately via first-class mail to the lessee within ten (10) days of receipt. If you have changed your address or sold the vehicle, please fill out the enclosed prepaid Owner Reply card and mail it to us so we can update our records.
Reimbursement of Expenses	If you have previously paid for repairs relating to the condition described in this letter, the enclosed form explains how to request reimbursement. We would be pleased to review your reimbursement request.
Can we assist you further?	If your authorized Audi dealer fails or is unable to complete this work free of charge within a reasonable time, please contact Audi Customer Relations Monday through Friday from 8AM to 8PM EST at 1-800-822-2834 or via our "Contact Audi Canada" page at www.audi.ca.

We apologize for any inconvenience this matter may cause; however we are taking this action to help ensure your vehicle continues to meet and exceed your expectations.

Sincerely,

Audi Customer Protection

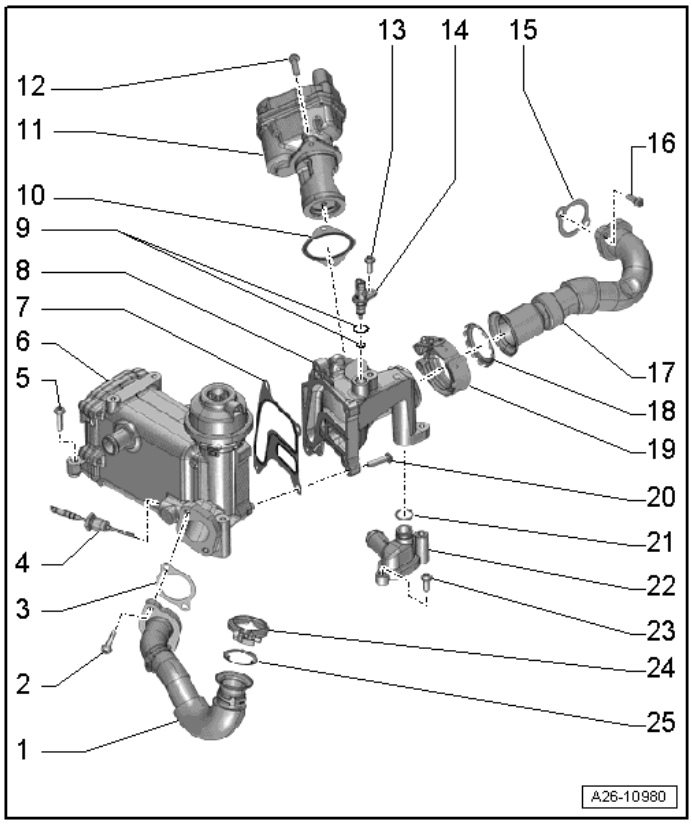
NOTE

- These repair instructions may differ from the labor operations and labor times listed in ELSA.
- Damages resulting from improper repair or failure to follow these work instructions are the dealer's responsibility and are not eligible for reimbursement under this action.
- This procedure must be read in its entirety prior to performing the repair.
- Due to variations in vehicle equipment and options, the steps/illustrations in this work procedure may not identically match all affected vehicles.
- Diagnosis and repair of pre-existing conditions in the vehicle are not covered under this action.
- When working during extreme temperatures, it is recommended that the vehicle be allowed to acclimate inside the shop to avoid temperature-related component damage/breakage.

WARNING

Risk of injury. Refer to "Warning and Safety Precautions", found in **Appendix A** at the end of this document.

Repair Overview



- Inspect and if necessary, replace EGR cooler <6>.

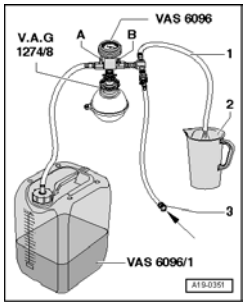
Required Parts

Criteria	Quantity	Part Number	Part Description
01	1	059.131.515.FP	EGR Cooler
	6	059.129.717.N	Intake Gasket
	6	059.129.718.A	Intake Gasket
	1	059.131.358.B	Gasket
	1	059.131.547.P	Gasket
	1	059.131.547.R	Gasket
	1	059.131.548.E	Clamp
	1	059.131.599.K	Gasket
	1	059.145.215.B	O-Ring gasket
	1	1K0.253.725.F	Clamp
	Up to 15 L	See ETKA	Coolant
	2	N 10124306	Oval hexagon socket head bolt
	1	N 90809102	O-Ring

NOTE

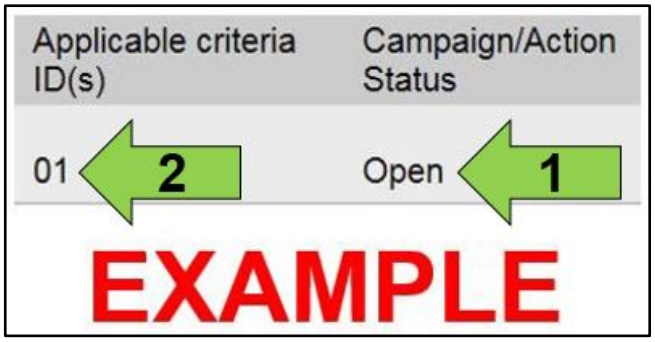
The specified part numbers reflect the status at the start of this recall. Interim updates made in ETKA can cause a listed part number to become unavailable. In this case, the new part number specified in ETKA should be used.

Required Tools

	Torque Wrench 5-50 Nm and Insert - Wrench -VAG 1331- (or equivalent)		Torque Wrench 5-50 Nm and Insert - Reversible Ratchet -VAG1331/1- (or equivalent)
	Wrench -VAG1331/6- (or equivalent)		Union Nut Socket -T40055- (or equivalent)
	Shop Crane - Drip Tray -VAS6208- (or equivalent)		Pry Lever -80-200- (or equivalent)
	Socket - 27mm -T40218- (or equivalent)		Cooling System Charge Kit -VAS6096- Cooling System Tester - Adapter -VAG1274/8-

Repair Instruction

Section A - Check for Previous Repair



- Enter the VIN in Elsa and proceed to the "Campaign/Action" screen.

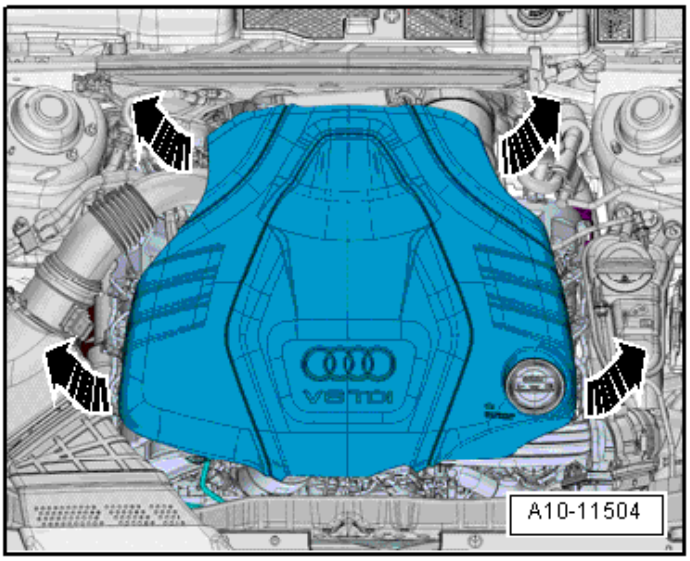
TIP

On the date of repair, print this screen and keep a copy with the repair order.

- Confirm the Campaign/Action is open <arrow 1>. If the status is closed, no further work is required.
- Note the Applicable Criteria ID <arrow 2> for use in determining the correct work to be done and corresponding parts associated.
- **All Safety Recalls MUST be completed before starting this Service Action.**

Proceed to Section B

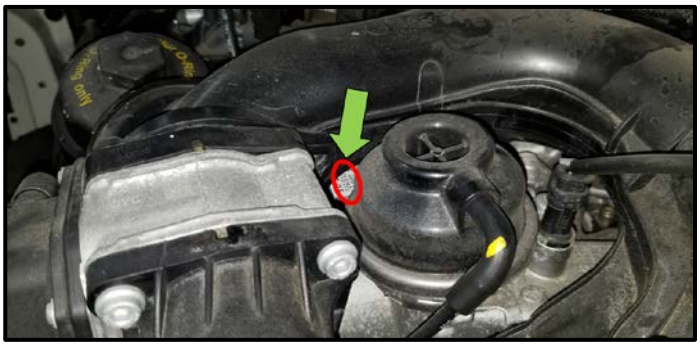
Section B – Inspect, and if Necessary, Replace Exhaust Gas Recirculation (EGR) Cooler



NOTE

The Q5 model is depicted for this work instruction. A6, A7, and A8 models are similar. Refer to ELSA for additional information if any further details are required to complete this action.

- Remove the engine cover first toward the front using both hands in direction of <arrows> and then to the rear (toward the plenum chamber bulkhead).



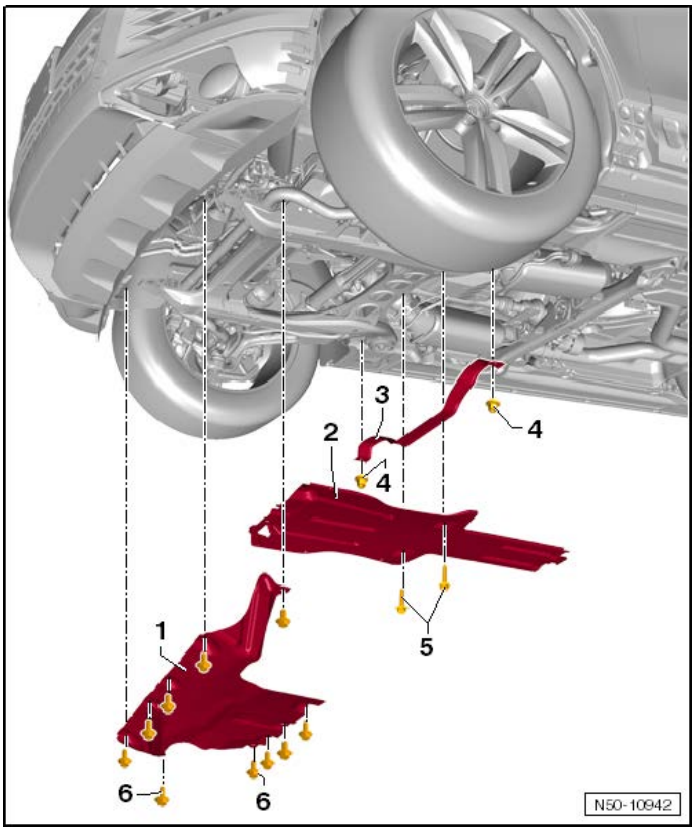
Inspect EGR Cooler Part Number:

- From the driver's side of the vehicle, locate the EGR Cooler part number located under the front of the intake manifold.
- Record the EGR cooler part number on the repair order.

- When recording the EGR Cooler part number, visibility will be restricted.
- It may be easiest to use a bore scope, camera, or cellular phone to record images of the part number <as shown>.

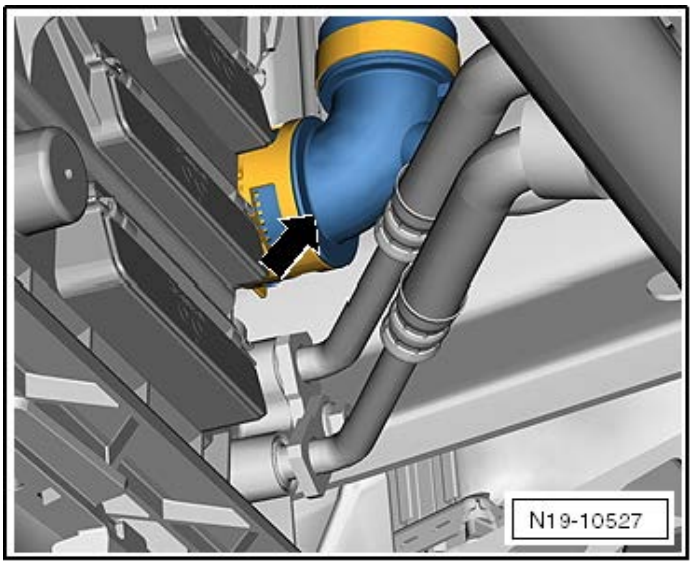
- If the part number is **059.131.515.FP**:
  - The **correct** EGR Cooler part number is installed, and no further work is required.
  - Reinstall the engine cover.
  - **Proceed to Section C.**

- If the part number is **NOT 059.131.515.FP**:
  - Proceed to the next step.
  - **Replace the EGR Cooler.**



Removing the Noise Insulation:

- Front Noise Insulation <1>; Removing:
  - Remove the bolts <6>.



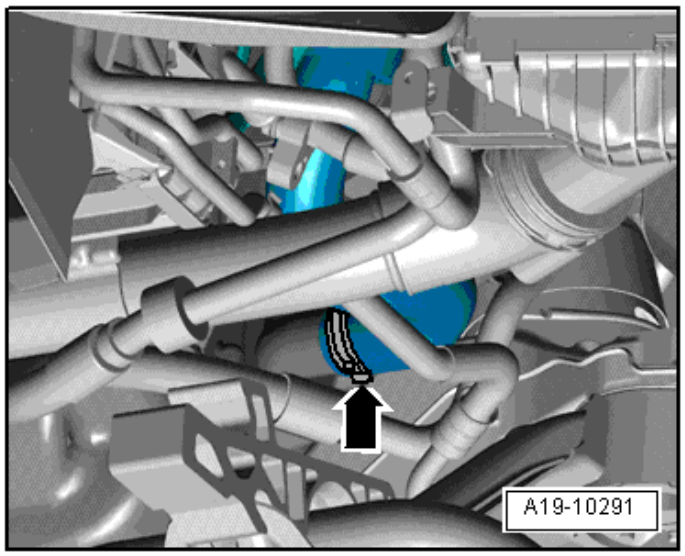
Draining the coolant system:

- Place the Shop Crane - Drip Tray -VAS6208- under engine.
- Open the coolant reservoir cap.
- Remove the quick release coupling <arrow> on the bottom of the radiator on the right side.

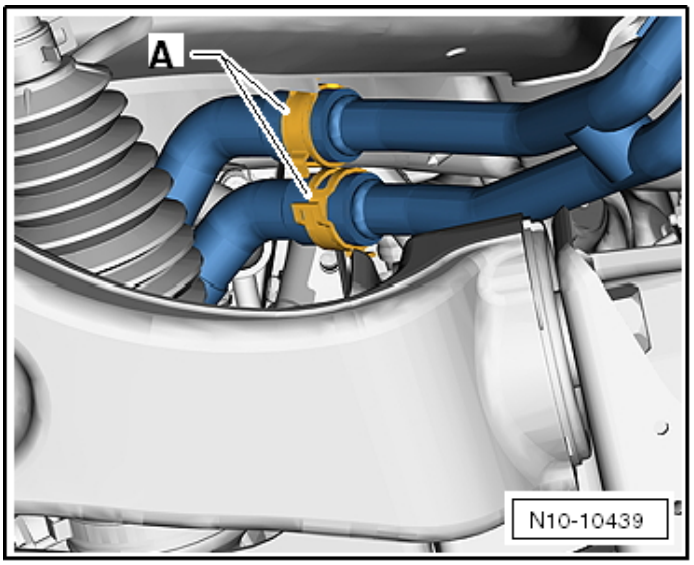
⚠ WARNING

Risk of scalding due to hot steam and hot coolant.

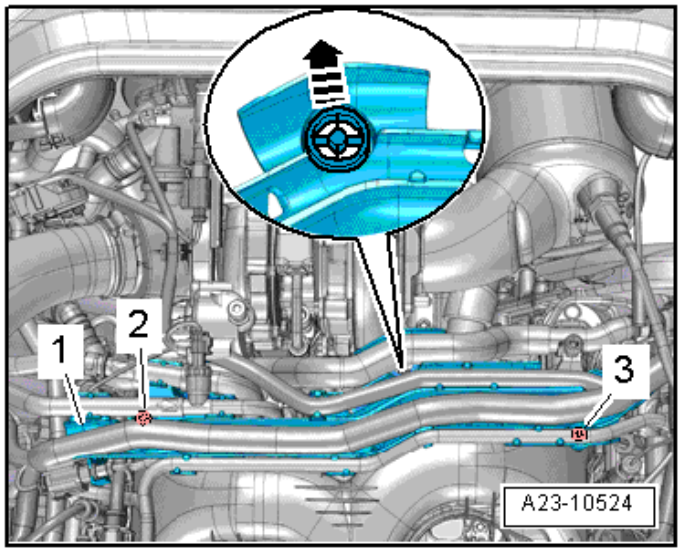
- The cooling system is under pressure when the engine is warm.
- Allow the vehicle to cool before performing this operation.



- Remove the coolant hose from the left coolant pipe by loosening the hose clamp <arrow> and letting the coolant drain out.



- Open the clamps <A> and remove the auxiliary heater coolant hoses.
- Allow the coolant to drain.

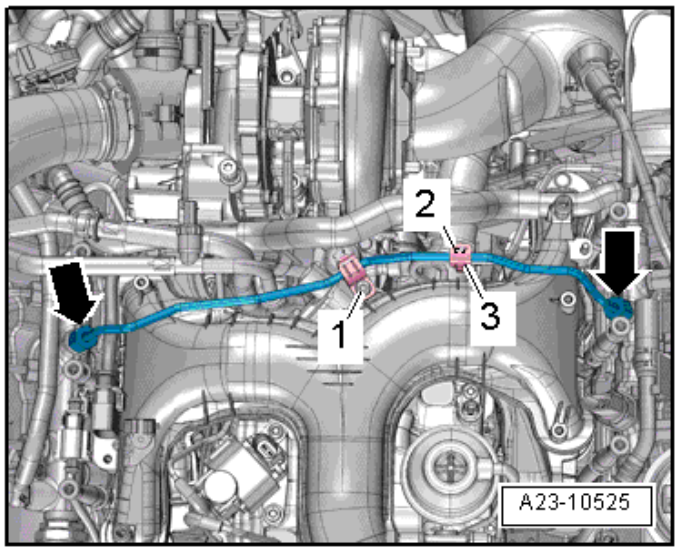


Removing the Intake Manifold:

- Free up the wiring harness and hoses on the wiring guide <1> using the Pry Lever -80-200-.
- Pull coolant hose back <arrow>.
- Remove the bolts <2 and 3> and remove the wiring guide <1>.

⚠ CAUTION

When removing the bolts <2 and 3> it is important to not allow the parts to fall onto the top of the engine. If these parts fall during removal, they must be recovered using a small magnet. Failure to completely remove the bolts could result in the parts falling into the cylinder head intake port when the intake manifold is removed, which can cause severe engine damage not covered by this campaign.



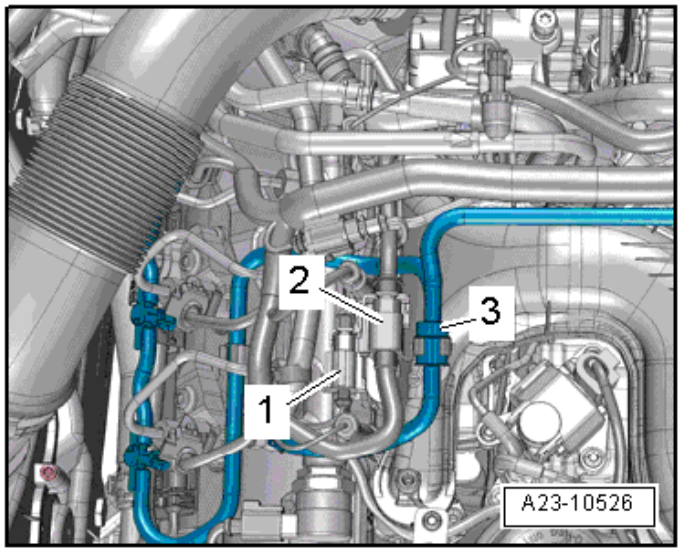
WARNING

See Appendix A for additional safety information when working on the fuel system.

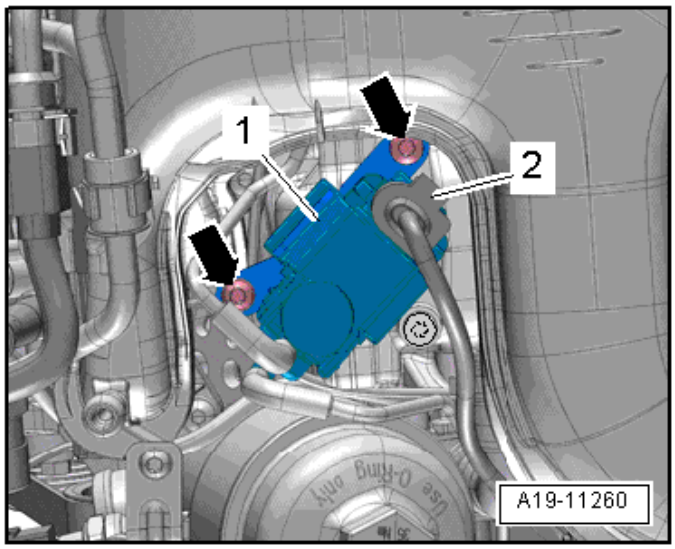
- Remove the bolts <1 and 2> and the clamp <3>.
- Remove the union nuts <arrows> and then remove the upper high pressure line.
- Capture residual fuel with a shop rag.

CAUTION

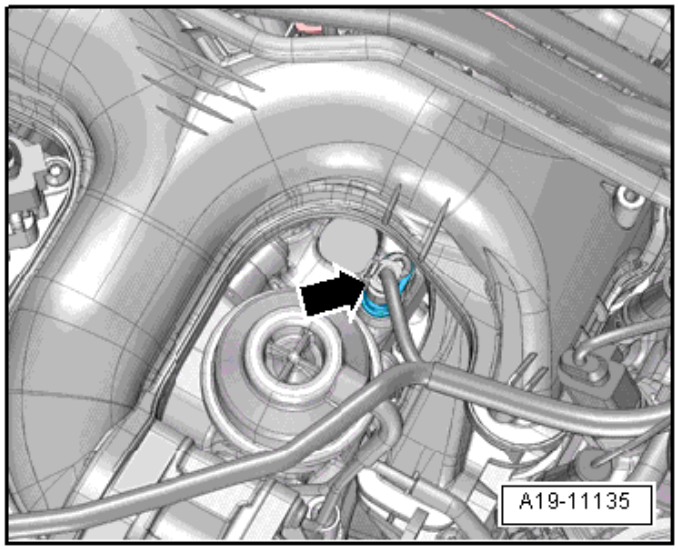
When removing the bolts <1 and 2> and clamp <3> it is important to not allow the parts to fall onto the top of the engine. If these parts fall during removal, they must be recovered using a small magnet. Failure to completely remove the bolts and clamp could result in the parts falling into the cylinder head intake port when the intake manifold is removed, which can cause severe engine damage not covered by this campaign.



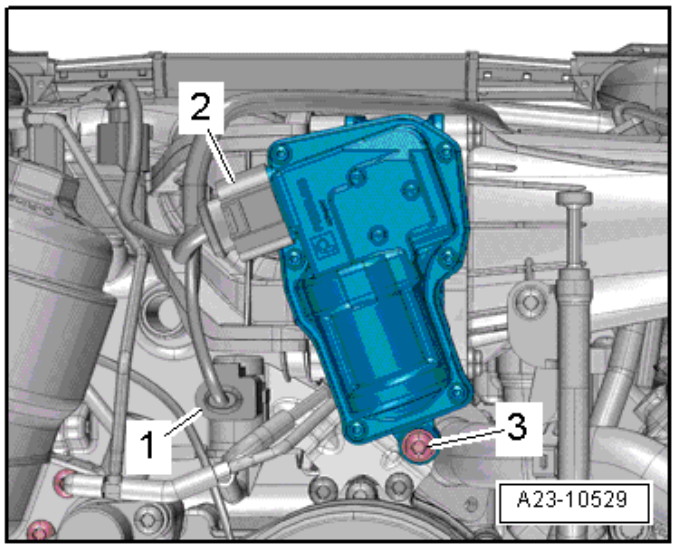
- Remove the connector <1> from the bracket and disconnect it.
- Remove the connector <2> and check valve <3> from the bracket.



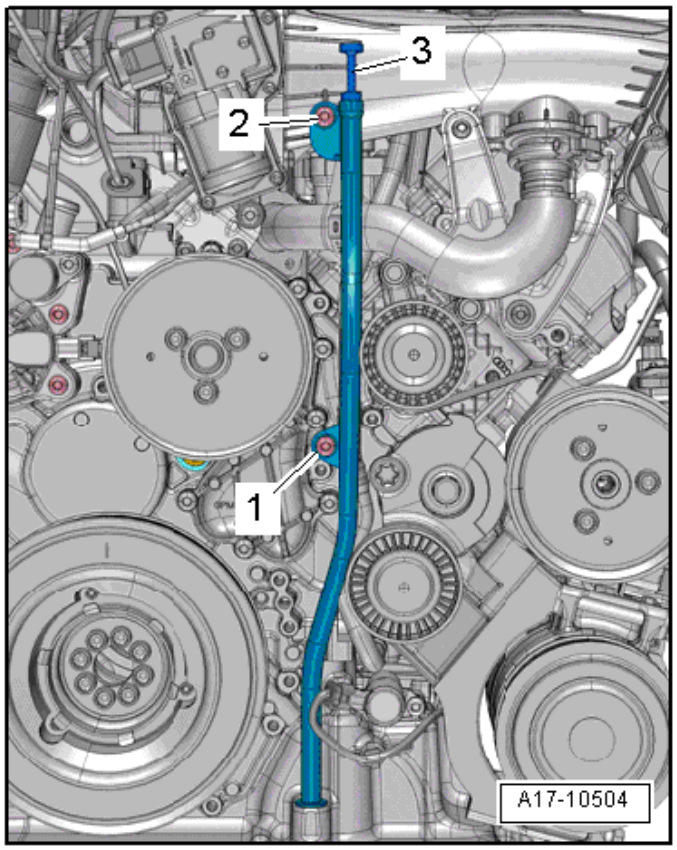
- Disconnect the connector <2> from the Cylinder Head Coolant Valve -N489- <1>.
- Remove the bolts <arrows> and set the bracket with the Cylinder Head Coolant Valve -N489- to the side.



- Disconnect the connector <arrow> from the Engine Coolant Temperature Sensor -G62-.



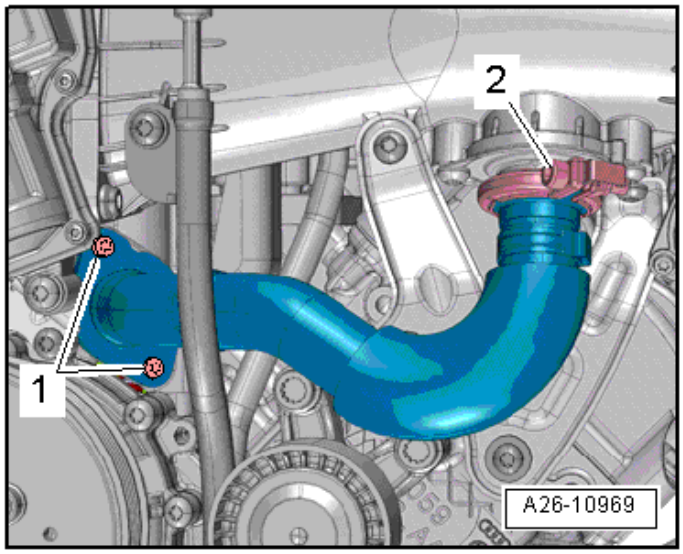
- Disconnect the connectors <1 and 2> and move the wiring harness to the left.



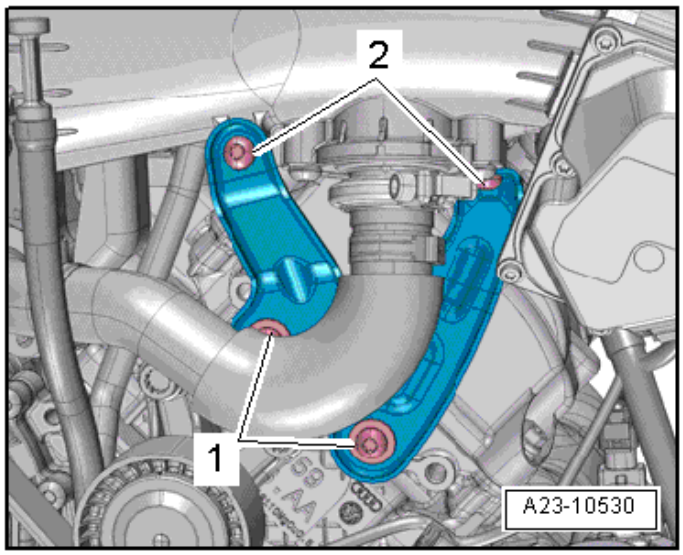
- Remove bolt <2> from center intake manifold bracket.
- Remove the bolt <1> for the oil dipstick guide tube and rotate the dipstick tube to aid with clearance.

NOTE

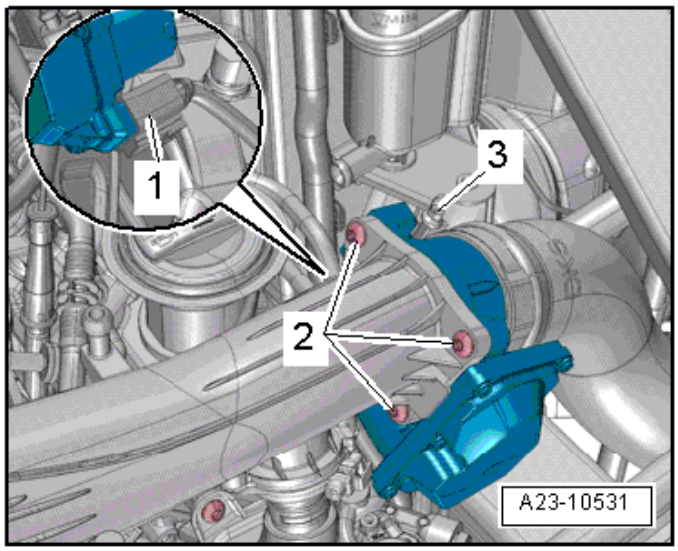
Removal of the dipstick tube from the engine block is not necessary.



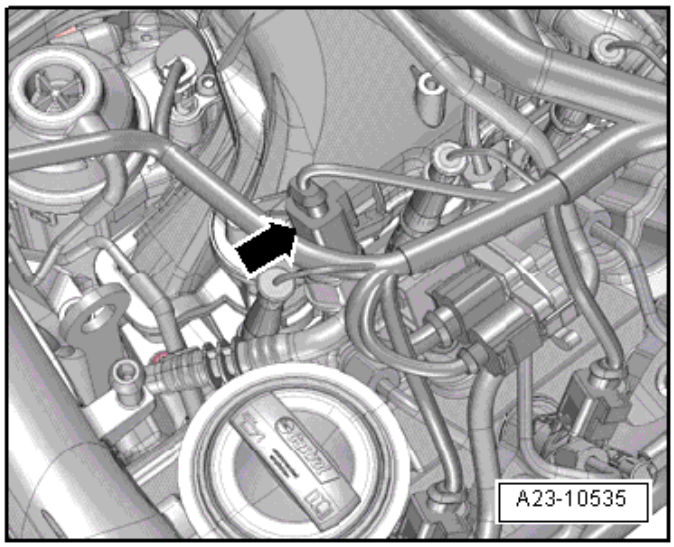
- Loosen the screw clamp <2> on the Exhaust Gas Recirculation (EGR) pipe.
- Remove the bolts <1>.



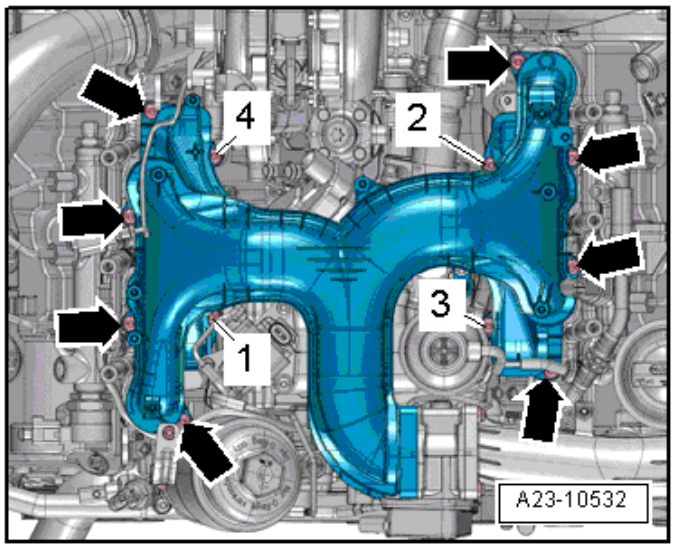
- Remove the bolts on the left air guide pipe bracket <2>.



- Disconnect the connector <1> at the Throttle Valve Control Module -J338-.
- Loosen the screw clamp <3> and remove the air guide hose.
- Disconnect the connectors from the glow plugs.



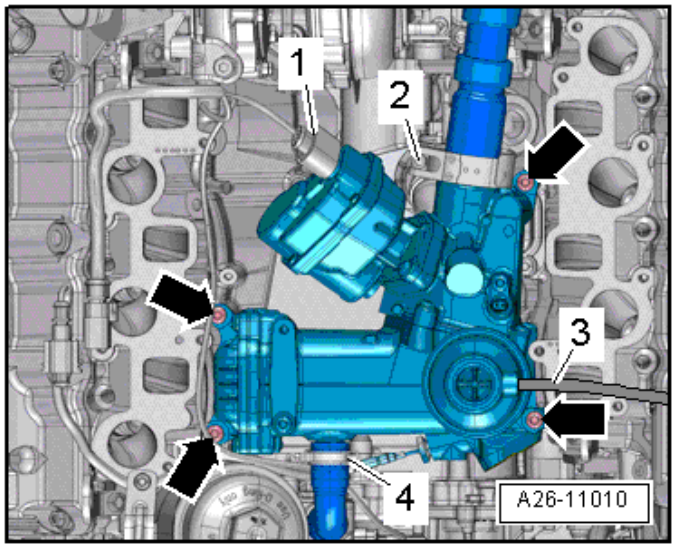
- Disconnect the connector from the Fuel Pressure Sensor -G247- <arrow>.
- Remove the Fuel Pressure Sensor -G247- using the Socket - 27mm -T40218-.
- Seal the hole in the high pressure reservoir (rail) immediately with a plug to prevent dirt from entering.



- Remove bolts <1 through 4 and arrows> and remove intake manifold.

CAUTION

When removing the bolts <1 through 4 and arrows> it is important to not allow the parts to fall onto the top of the engine. If these parts fall during removal, they must be recovered using a small magnet. Failure to completely remove the bolts could result in parts falling into the cylinder head intake port when the intake manifold is removed, which can cause severe engine damage not covered by this campaign.

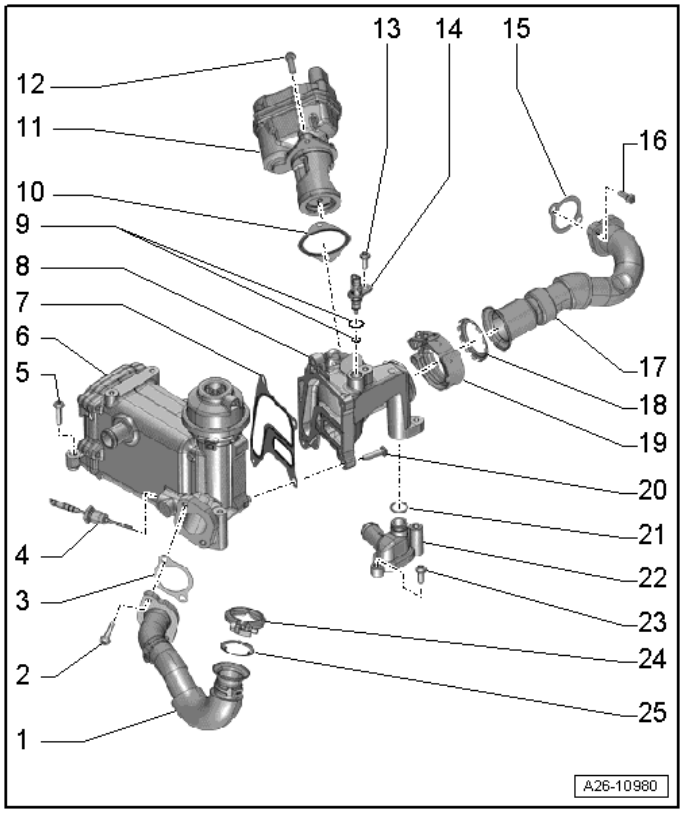


Removing the EGR Cooler:

- Remove the vacuum hose <3>.
- Disconnect the connector <1>.
- Loosen the clamp <2> and press it towards the rear.
- Loosen the clamp <4> and remove the coolant hose.
- Remove the bolts <arrows> and remove the EGR cooler upward from the supports.

CAUTION

When removing the bolts <arrows> it is important to not allow the parts to fall into the cylinder head intake ports which can cause severe engine damage not covered by this campaign.



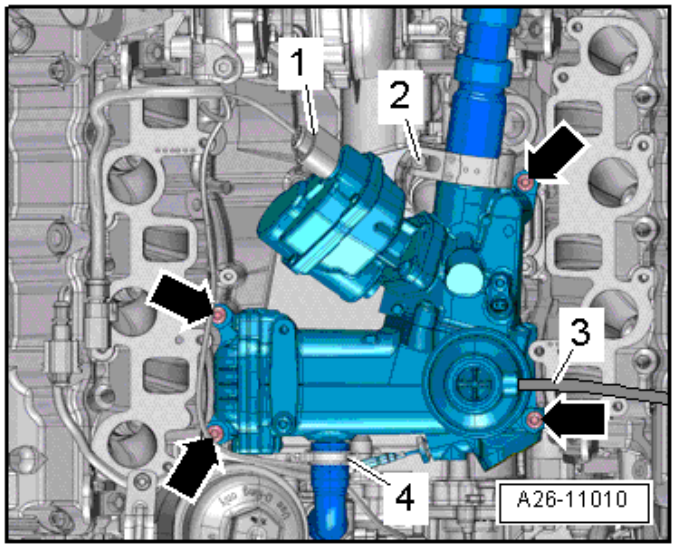
EGR Cooler Overview:

- Note the orientation and location of the new parts from the chart below.

Part Number	Part Description
059.131.515.FP	EGR Cooler <6>
059.131.547.R	Gasket <25>
059.131.547.P	Gasket <18>
1K0.253.725.F	Clamp <24>
059.131.358.B	Gasket <3>
N 101.243.06	Oval hexagon socket head bolt <2>
059.131.548.E	Clamp <19>
059.131.599.K	Gasket <18>

⚠ CAUTION

When reinstalling, it is important to not allow any parts to fall into the cylinder head intake ports. Severe engine damage may occur which is not covered under this campaign.



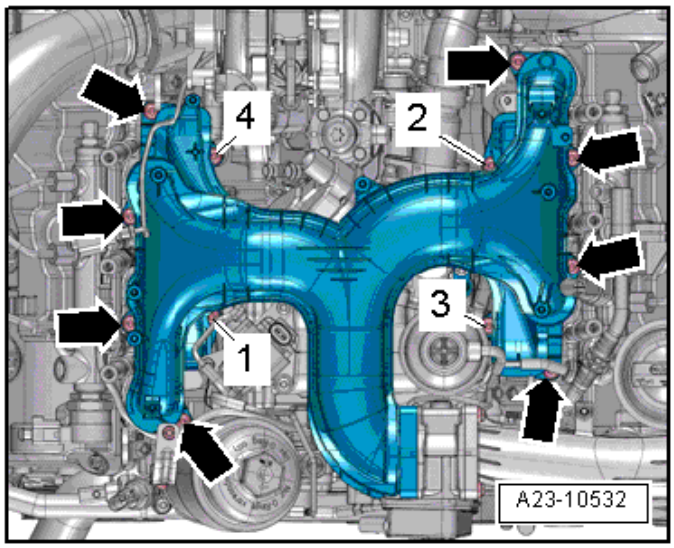
Installing the EGR Cooler:

- Verify all seals are properly installed on the new EGR cooler, and install cooler.
- Install the bolts <arrows> and tighten to 9 Nm.
- Install the coolant hose and tighten the clamp <4> to 5 Nm.
- Install new gasket and clamp <2> and tighten to 5 Nm.
- Install the vacuum hose <3>.

⚠ CAUTION

When reinstalling, it is important to not allow any parts to fall into the cylinder head intake ports. Severe engine damage may occur which is not covered under this campaign.

Part Number	Part Description
059.131.515.FP	EGR Cooler
059.131.547.P	Gasket
059.131.548.E	Clamp <2>
059.131.599.K	Gasket



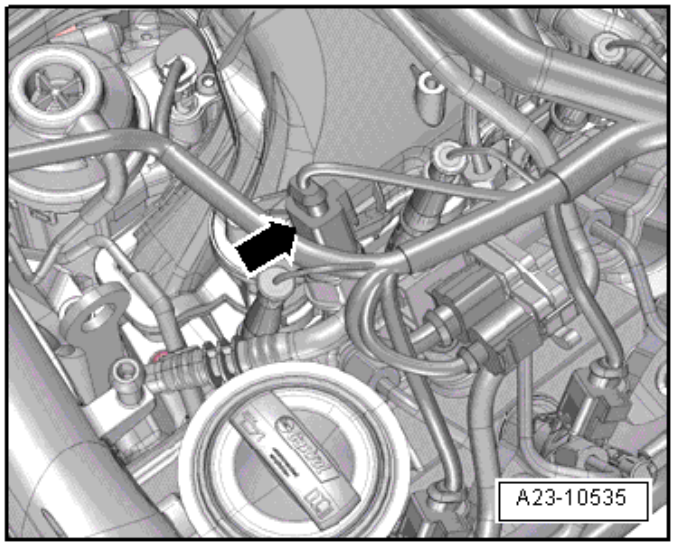
Reinstall Intake Manifold:

- Install new O-ring Seals into the intake manifold.

Part Number	Part Description
059.129.717.N	Intake Gasket (round)
059.129.718.A	Intake Gasket (rectangular)

- Reinstall the intake manifold. Install the bolts <1 through 4 and arrows> and tighten as follows:

Step	Bolts	Tightening Specification
1.	1 through 4 and arrows	Install all the way in by hand.
2.	1 to 4	9 Nm in sequence shown
3.	arrows	9 Nm in any sequence



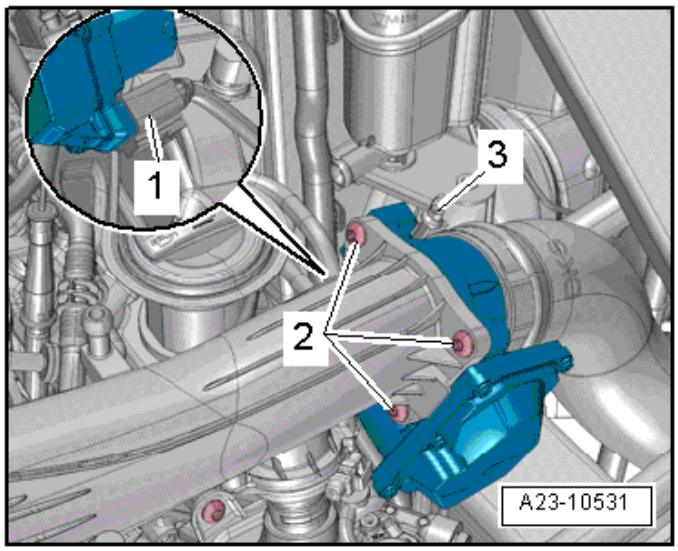
NOTE

- The Fuel Pressure Sensor -G247- has a biting edge instead of a sealing ring.
- Check for damage to the sealing surfaces and threads on the Fuel Pressure Sensor -G247-. If the Fuel Pressure Sensor -G247- is OK, it is possible to re-use it.
- Check the sealing surfaces on the high pressure reservoir (rail) opening.
- Coat the Fuel Pressure Sensor -G247- thread and biting edge with diesel fuel.
- Do not use an open-end wrench for opening or tightening. Use Socket - 27mm -T40218-

- Remove any dirt in the opening for the high pressure reservoir (rail). Do not use mechanical tools.
- Reinstall the Fuel Pressure Sensor -G247- by hand, then tighten as follows using the Socket - 27mm -T40218- :

Step	Tightening Specification
1.	Install all the way in by hand.
2.	Tighten to 60 Nm
3.	Turn back 180°
4.	Tighten to 85 Nm

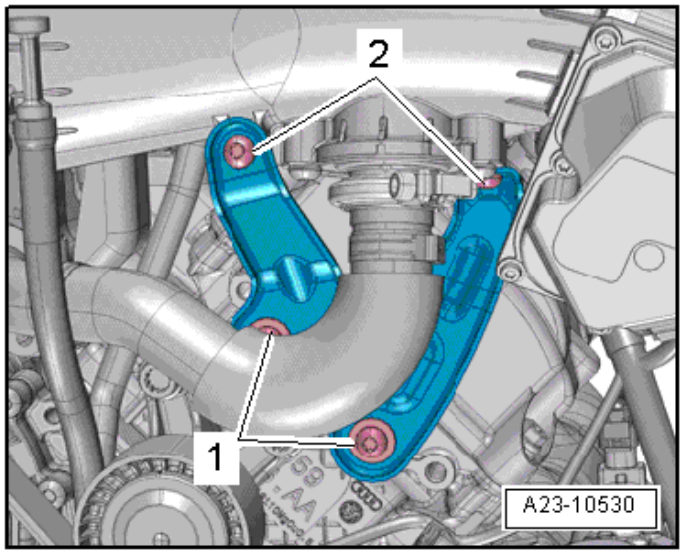
- Reconnect the connector onto the Fuel Pressure Sensor -G247- <arrow>.



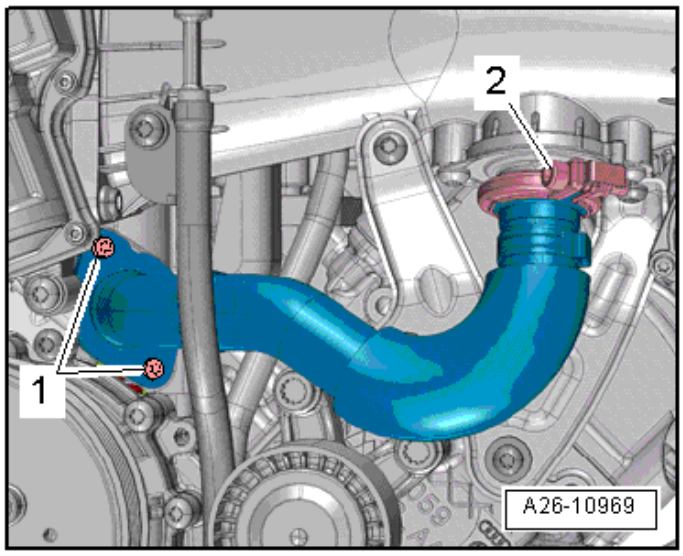
- Reconnect the glow plug connectors onto the glow plugs.
- Reinstall the intake air pipe with a new gasket and tighten the bolts to 9 Nm.

Part Number	Part Description
059.145.215.B	O-Ring gasket
N 908.091.02	O-Ring

- Connect the air guide hose and tighten the screw clamp <3> to 5.5 Nm.
- Connect the connector <1> at the Throttle Valve Control Module -J338-.

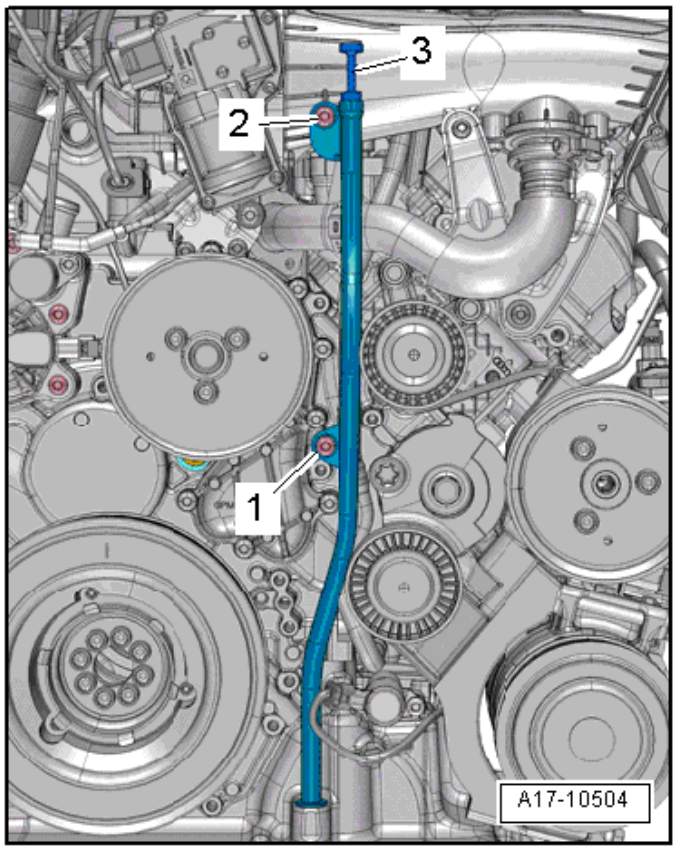


- Reinstall the bolts on the left air guide pipe bracket <2> and tighten to 9 Nm.

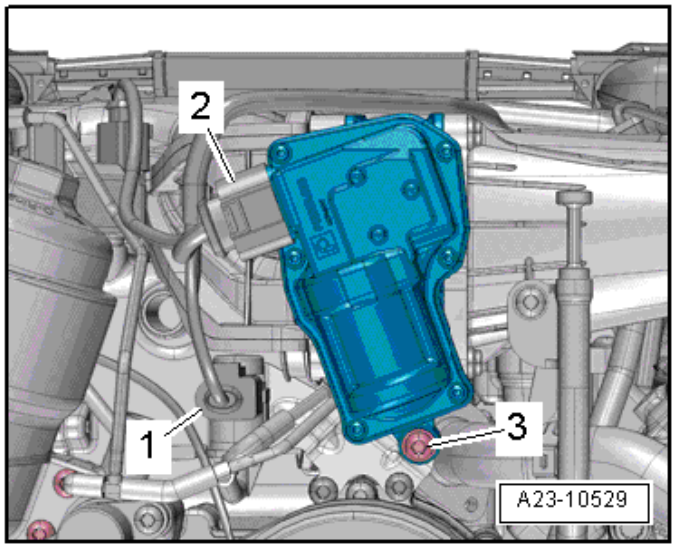


- Reinstall the Exhaust Gas Recirculation (EGR) pipe with new gaskets, clamp, and bolts.
- Tighten the bolts <1> to 9 Nm and tighten the screw clamp <2> to 2.5 Nm.

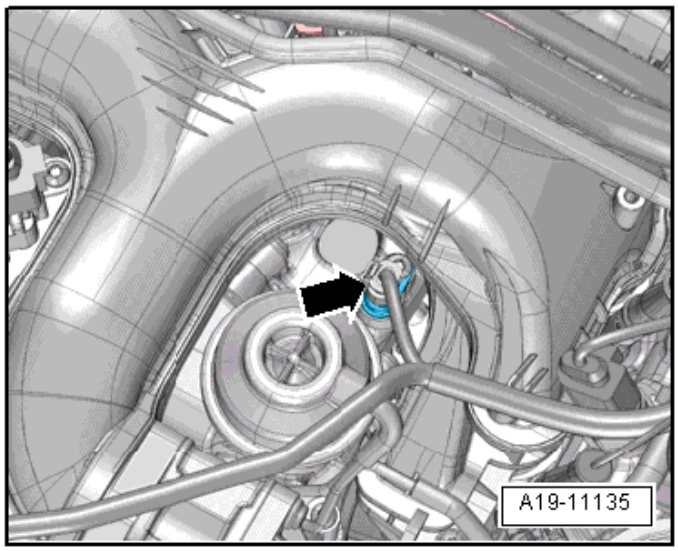
Part Number	Part Description
059.131.547.R	Gasket <1>
N 101.243.06	Oval hexagon socket head bolt <1>
059.131.358.B	Gasket <2>
1K0.253.725.F	Clamp <2>



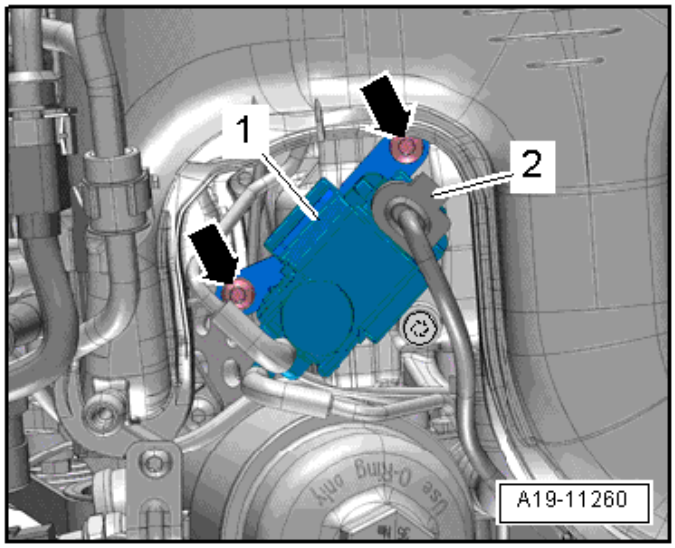
- Reposition the oil dipstick with guide tube <3>.
- Tighten the bolts <1 and 2> to 9 Nm.



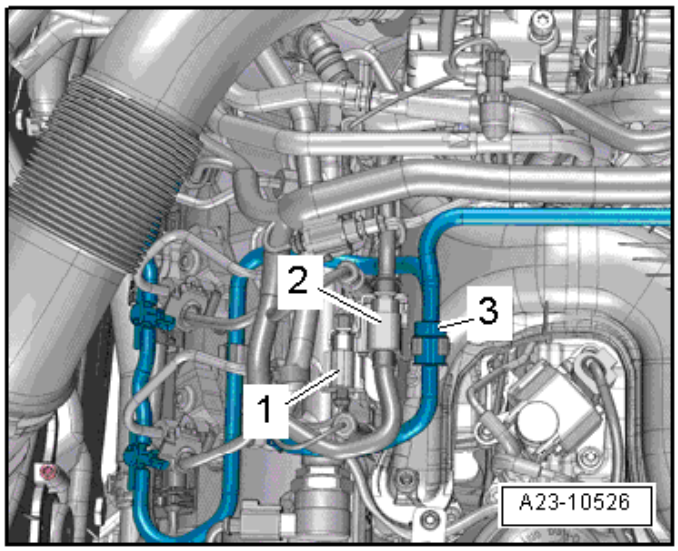
- Reconnect the connectors <1 and 2>.



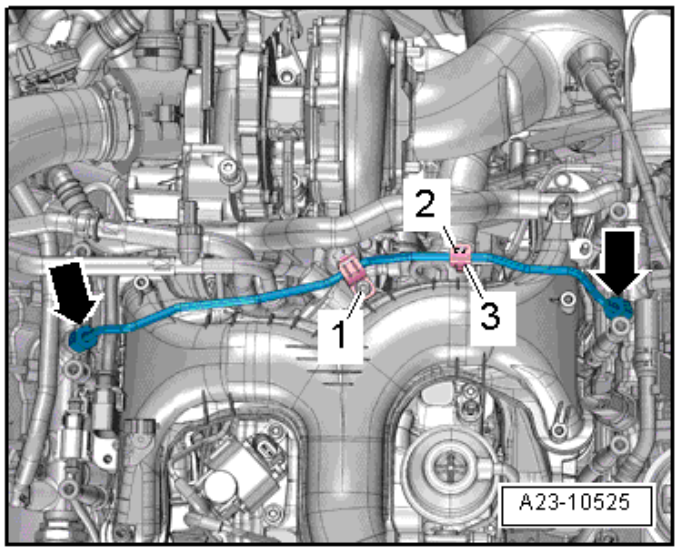
- Reconnect the connector <arrow> for the Engine Coolant Temperature Sensor -G62-.



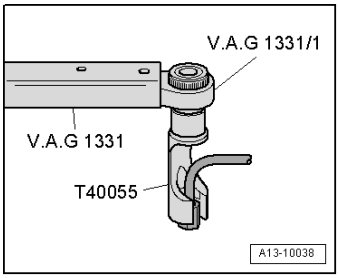
- Reinstall the bolts <arrows> for the bracket containing the Cylinder Head Coolant Valve -N489- and tighten to 4 Nm.
- Reconnect the connector <2> to the Cylinder Head Coolant Valve -N489- <1>.

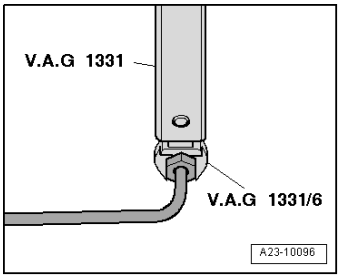


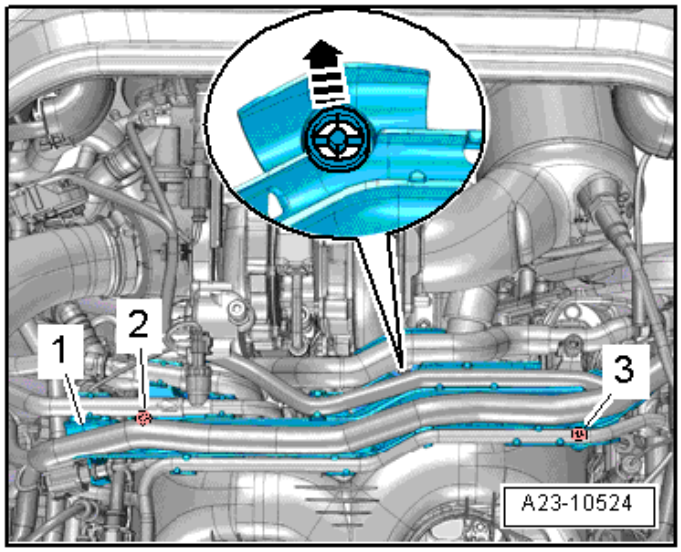
- Reinstall the connectors <1 and 2> and the check valve <3> onto the bracket.



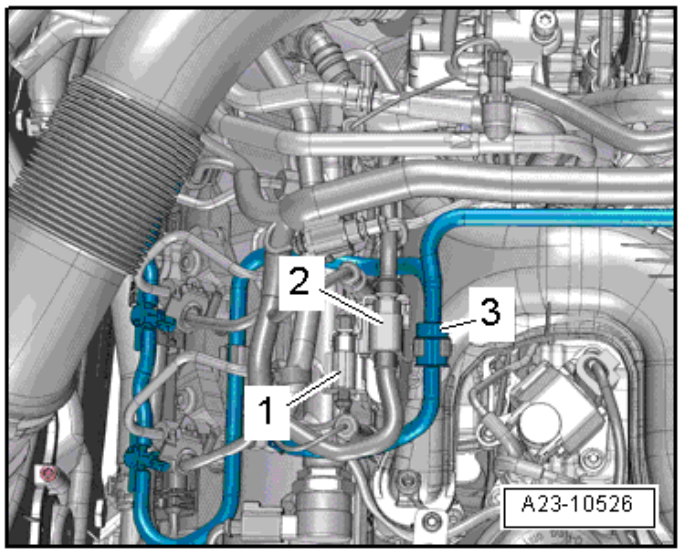
- Reinstall the high pressure fuel balance line.
    - Thread the union nuts <arrows> on by hand.
    - Use the -VAG 1331- with attachment -VAG 1331/6- or -T40055- and tighten union nuts to 25 Nm.
- Reinstall the bolts <1 and 2> and the clamp <3>. Tighten the bolts to 9 Nm.



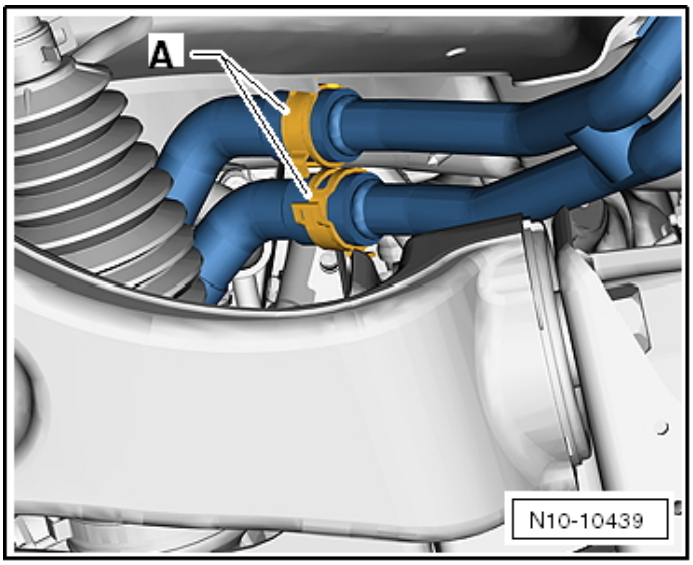




- Reposition the wiring harness and hoses on the wiring guide.
- Return coolant hose to original position <arrow>.
- Reinstall the bolts <2 and 3> onto the wiring guide <1> and tighten to 4 Nm.

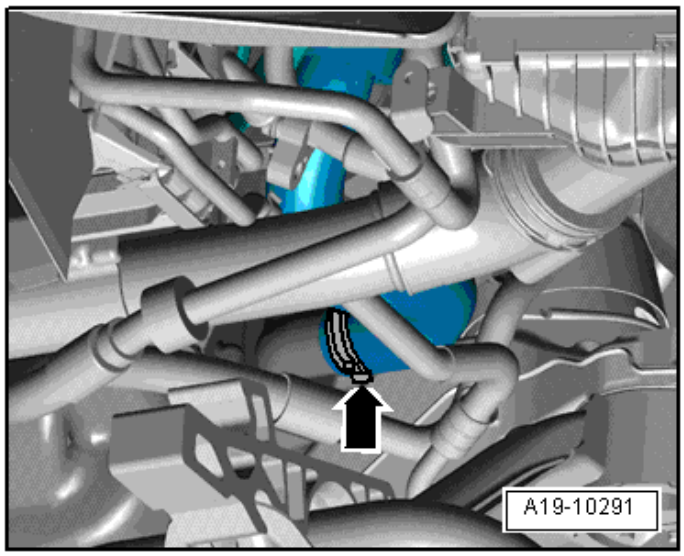


- Reinstall the connectors <1 and 2> and check valve <3> onto the bracket.

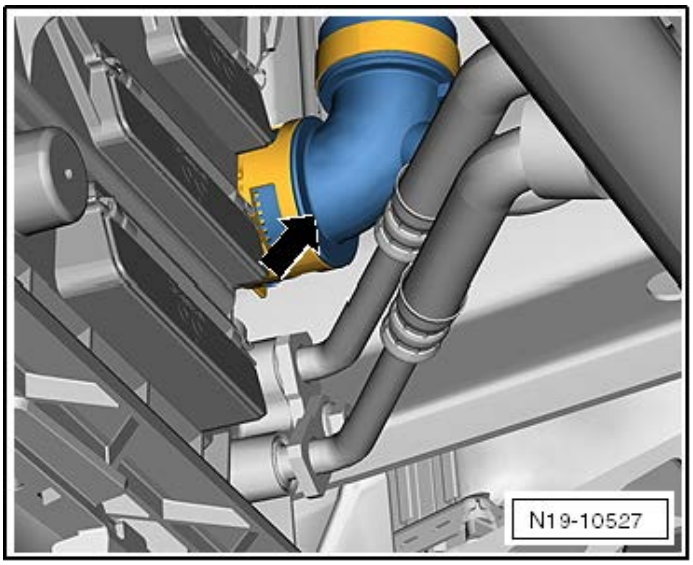


Reconnect Engine Coolant Connections and Refill:

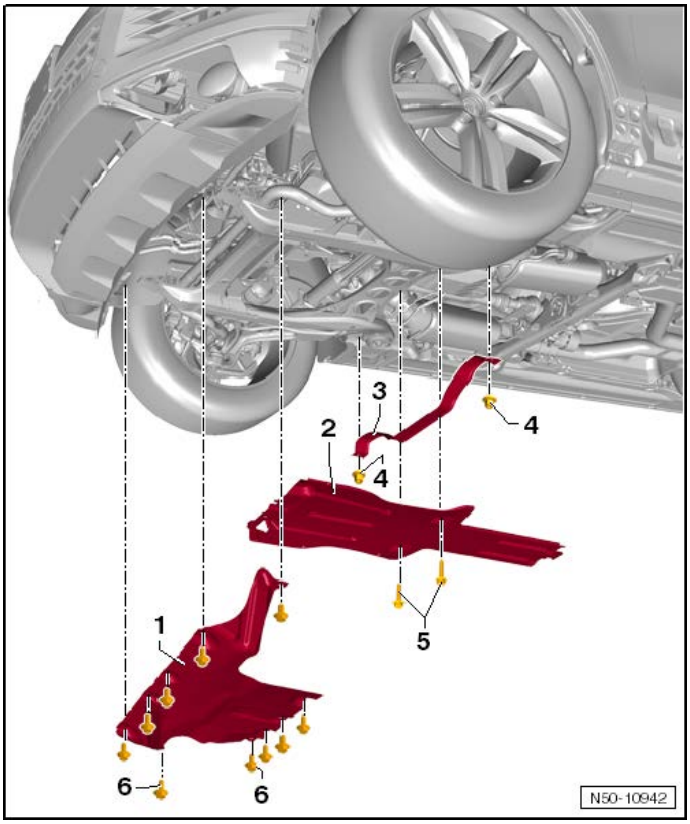
- Reinstall the hoses and clamps <A> for the auxiliary heater coolant hoses.



- Reinstall the coolant hose onto the lower left coolant pipe and reposition and secure the spring-type hose clamp <arrow>.

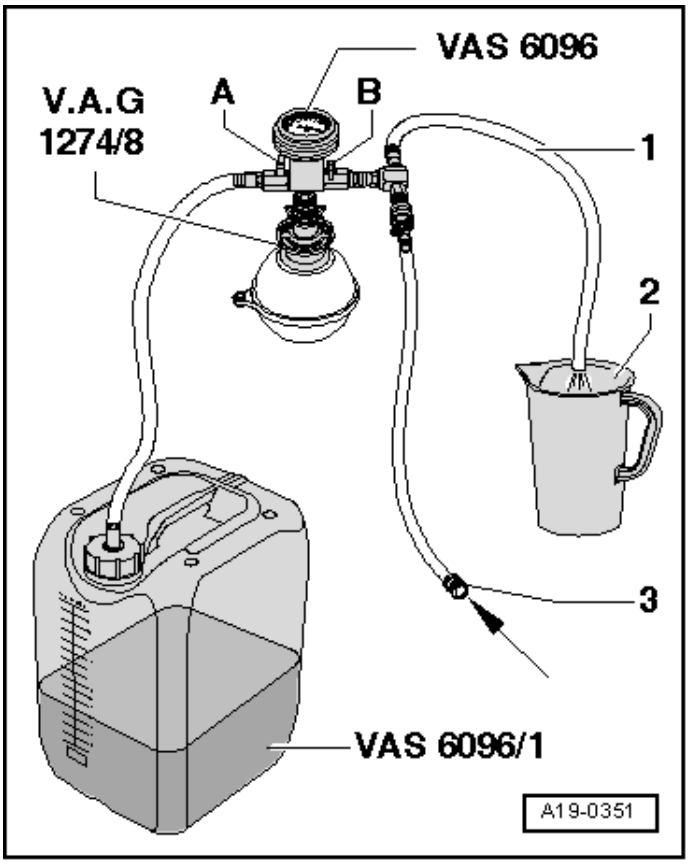


- Reinstall the coolant hose onto the quick release coupling <arrow> on the bottom of the radiator on the lower right side.



Reinstall the Noise Insulation:

- Install the front noise insulation <1> and bolts <6>. Tighten bolts to 6 Nm.
- Reinstall the engine cover.



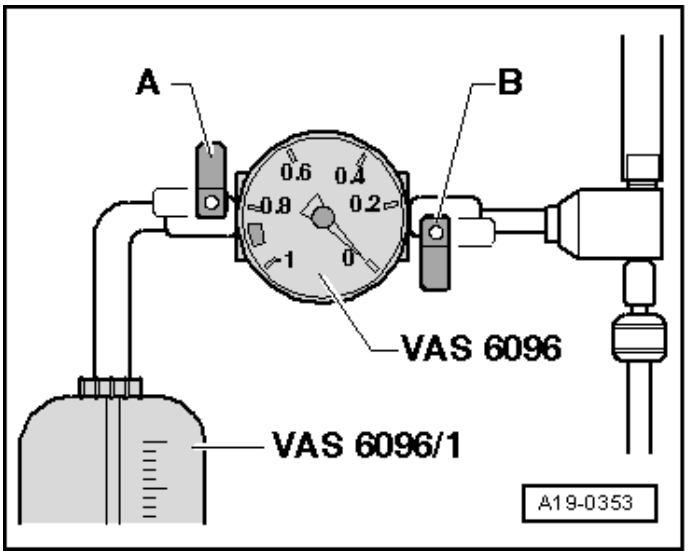
Filling the Cooling System:

- Make sure all connections are closed.
- Fill the container on the Cooling System Charge Kit -VAS6096- with at least 15 liters (17.9 qts) of premixed coolant with the proper mixture ratio.
- Install the Cooling System Tester - Adapter -VAG1274/8- on the coolant expansion tank.
- Install the Cooling System Charge Kit -VAS6096- on the adapter Cooling System Tester - Adapter -VAG1274/8-.
- Place the air outlet hose <1> in a small container <2>.

NOTE

A small amount of coolant which should be collected is drawn off with the discharged air.

- Close valves <A and B> by turning lever at a right angle to direction of flow.
- Connect the hose <3> to compressed air.
    - Pressure: 6 to 10 bar (87 to 145 psi) positive pressure.

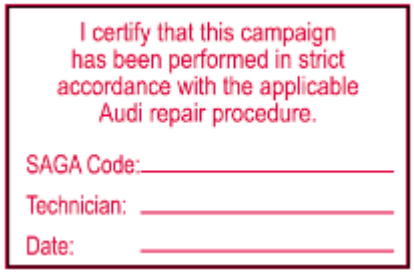


- Open valve <B> by turning lever in direction of flow.
- A further vacuum is created in the cooling system by the suction jet pump. Needle on the instrument display must travel into the green region.
- Briefly open valve <A> by turning lever in the flow direction so that hose on the Cooling System Charge Kit -VAS6096- container fills with coolant.
- Close valve <A> again.
- Leave valve <B> open another two minutes.
- A further vacuum is created in the cooling system by the suction jet pump. Needle on the instrument display must still remain in the green region.
- Close valve <B>.
- The needle on display must remain in the green region. Only then is there enough vacuum in the coolant system for the filling.
- After filling the coolant, start the vehicle and perform a coolant and fuel leak check. Top off the coolant overflow bottle with additional coolant as needed.

All Work Complete

Proceed to Section C

Section C – Campaign Completion Stamp



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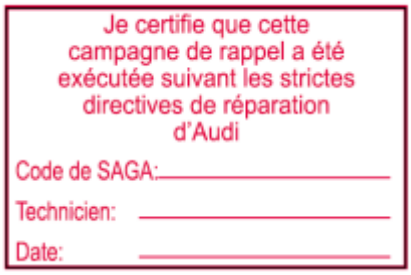
-OR-



Item # AUD4927FRE

- Once the campaign has been completed, the technician should stamp the repair order.
- Stamps are available for ordering through the Compliance Label Ordering Portal.
- **Proceed to Section D**

Section D – Campaign Completion Label

Install Campaign Completion Label

- Fill out and affix Campaign Completion Label, part number CAMP 010 000, next to the vehicle emission control information label.

TIP
Ensure Campaign Completion Label does not cover any existing label(s).

Proceed to Section E

Section E - Parts Return/Disposal

Properly store (retain), destroy or dispose of removed parts in accordance with all state/province and local requirements, unless otherwise indicated and/or requested through the Warranty Parts Portal (WPP) for U.S. and the Part Destruction and Core Disposition Report for Canada.

Proceed to Section F (California only).

Section F – California Only Requirements

CALIFORNIA ONLY Requirements for Emissions Campaigns Having Customer Notification

The California Air Resources Board and the Department of Motor Vehicles (DMV) require emissions-related campaigns to be completed prior to vehicle registration renewal. **When campaign work is done you must provide the owner with a signed "Vehicle Emission Recall – Proof of Correction" certificate (RC EMIS_CAL VW).** Certificates can be ordered at no cost online via the Compliance Label Ordering portal at www.accessaudi.com.

TIP

Ensure owners are aware of the importance of retaining the completed certificate for their records. It should be mailed to the California DMV *only upon request.*

Appendix A – Warning and Safety Precautions

WARNING

Note the Following When Working on the Fuel System:

- There is a risk of injury because the fuel is under very high pressure.
- Fuel pressure in high pressure pipes can be up to 2,000 bar (29,000 psi)! Always follow the safety precautions when reducing the pressure in the high pressure area.
- Decreasing pressure in the high pressure area.
- The fuel supply line is under pressure. To prevent injuries and skin contact, wear protective goggles and protective clothing. Wrap a clean cloth around the connection before loosening hose connections. Remove the hose connection carefully to release the pressure.
- Fuel coming into contact with skin poses a health risk.
- Do not let fuel come in contact with bare skin. Wear fuel-resistant gloves.
- Leaking fuel poses a risk of burns.
- For safety reasons, switch off the power supply to the fuel pump or disconnect the battery before opening the fuel system. Otherwise, the fuel pump may activate when the driver door is opened.
- Danger of explosion due to cell phones. Keep cell phones out of reach in the work space area.

WARNING

Risk of scalding due to hot steam and hot coolant.

- The cooling system is under pressure when the engine is warm.
- Allow the vehicle to cool before performing this operation.