



Safety Recalls

Codes: 19O2 / 19N4

<p>Subject After-Run Coolant Pump</p> <p>Release Date December 13, 2018</p>	
<p>IMPORTANT!</p> <p><u>DO NOT PERFORM BOTH</u></p> <p>Safety Recall 19O2 and Safety Recall 19N4</p>	<p>All vehicles in Safety Recall 19O2 are also in Safety Recall 19N4.</p> <p><u>Only one recall should be completed on each vehicle.</u></p> <ul style="list-style-type: none"> ➤ Perform Safety Recall 19O2 only if a replacement after-run coolant pump is available. ➤ Perform Safety Recall 19N4 only if a replacement after-run coolant pump is <u>NOT</u> available. <p>Enter your recall claim as soon as possible. A SAGA claim for one of these recalls will automatically close the other. This automatic closure is normally completed within one week but may take up to two weeks.</p>
<p>Affected Vehicles</p>	<p>U.S.A.: Certain 2012-2017 MY Audi vehicles with a 2.0L TFSI gasoline engine</p> <p>CANADA: Certain 2013-2017 MY Audi vehicles with a 2.0L TFSI gasoline engine</p> <p><i>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 <u>only</u> valid campaign inquiry & verification source.</i></p> <ul style="list-style-type: none"> ✓ 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.
<p>Problem Description</p>	<p>In certain vehicles with a 2.0L TFSI gasoline engine, the electric (after-run) coolant pump may short circuit and/or overheat, potentially leading to a vehicle fire.</p>
<p>Corrective Action</p>	<p><u>Safety Recall 19O2</u> Install a new electric (after-run) coolant pump and, if necessary, update ECM software.</p> <p>-OR-</p> <p><u>Safety Recall 19N4</u> Disconnect power to the electric (after-run) coolant pump and, if necessary, update ECM software. After Safety Recall 19N4 is completed, Audi will extend warranty coverage for the turbocharger in the vehicles that have the electric (after-run) coolant pump disconnected under this recall.</p>
<p>Precautions</p>	<p>Audi recommends parking the vehicle outdoors as a precaution until one of these recall repairs has been completed.</p>
<p>Parts Information</p>	<p>The Parts on Command Upper Order Limits "Allocation Quantity per week" field is being leveraged to identify your maximum potential weekly allocation quantity. Please utilize the quantity found in this field to schedule customers accordingly.</p> <p>Warranty claims will be monitored to ensure each dealership is utilizing their weekly allocation of parts. If claims are not entered in a timely manner, your weekly allocations may be lowered.</p> <p><u>Safety Recall 19O2</u> Parts allocations will occur once a week with planned delivery on Thursdays.</p> <p><u>Safety Recall 19N4</u> Part availability is expected to remain very limited. It is very critical that you carefully manage the parts that are allocated every week. Parts allocations are expected to occur</p>

The repair information in this document is intended for use only by skilled technicians who have the proper tools, equipment and training to correctly and safely maintain your vehicle. These procedures are not intended to be attempted by "do-it-yourselfers," and you should not assume this document applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Audi dealer. ©2018 Audi of America, Inc. and Audi Canada. All Rights Reserved.

	<p>twice a week as parts arrive to the PDCs; this may change based upon supplier shipments. Because allocations will occur twice a week, requests for additional parts will not be accepted.</p>
Code Visibility	<p>On or about December 13, 2018, 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.</p> <p>On or about December 13, 2018, this campaign code will show open on affected vehicles in Elsa.</p> <p>On or about December 13, 2018, affected vehicles will be identified with this campaign code in the VIN Lookup tool at www.audiusa.com and on the NHTSA VIN lookup tool at www.safercar.gov.</p>
Owner Notification	<p>Owner notification will take place in January 2019. Owner letter examples are included in this bulletin for your reference.</p>
Additional Information	<p>Please alert everyone in your dealership about this action, including Sales, Service, Parts and Accounting personnel. Contact Warranty if you have any questions.</p> <p>IMPORTANT REMINDER ON VEHICLES AFFECTED BY SAFETY & COMPLIANCE RECALL</p> <p><u>New Vehicles in Dealer Inventory:</u> It is a violation of Federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by this notification under a sale or lease until the defect or noncompliance is remedied. By law, dealers must correct, prior to delivery for sale or lease, any vehicle that fails to comply with an applicable Federal Motor Vehicle Safety Standard or that contains a defect relating to motor vehicle safety.</p> <p><u>Pre-Owned Vehicles in Dealer Inventory:</u> Dealers should not deliver any pre-owned vehicles in their inventory which are involved in a safety or compliance recall until the defect has been remedied.</p> <p>Dealers must ensure that every affected inventory vehicle has this campaign completed <u>before delivery to consumers</u>.</p>

<p>IMPORTANT!</p> <p><u>DO NOT CLAIM BOTH</u></p> <p>Safety Recall 1902 and Safety Recall 19N4</p>	<p>All vehicles in Safety Recall 1902 are also in Safety Recall 19N4.</p> <p><u>Only one recall code must be claimed on each vehicle.</u></p> <ul style="list-style-type: none"> ➤ Claim Safety Recall 1902 only if a replacement after-run coolant pump was available. ➤ Claim Safety Recall 19N4 only if a replacement after-run coolant pump was <u>NOT</u> available. <p>Enter your recall claim as soon as possible. A SAGA claim for one of these recalls will automatically close the other. This automatic closure is normally completed within one week but may take up to two weeks.</p>
---	--

Claim Entry Instructions – Safety Recall 1902

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 Audi WIN/Operations/Campaign Closure.

Service Number	1902 (Letter O not number 0)						
Damage Code	0099						
Parts Vendor Code	002						
Claim Type	Sold vehicle: 7 10 Unsold vehicle: 7 90						
Causal Indicator	Mark after-run coolant pump as causal part*						
Vehicle Wash/Loaner	Do not claim wash/loaner under this action						
Criteria I.D.	01						
	<p>Install "Buehler" after-run coolant pump</p> <p>Labor operation: 1947 55 99 70 T.U.</p> <table border="1"> <thead> <tr> <th>Quantity</th> <th>Part Number</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1.00</td> <td>06H965559J</td> <td>"Buehler" after-run coolant pump*</td> </tr> </tbody> </table>	Quantity	Part Number	Description	1.00	06H965559J	"Buehler" after-run coolant pump*
Quantity	Part Number	Description					
1.00	06H965559J	"Buehler" after-run coolant pump*					

The repair information in this document is intended for use only by skilled technicians who have the proper tools, equipment and training to correctly and safely maintain your vehicle. These procedures are not intended to be attempted by "do-it-yourselfers," and you should not assume this document applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Audi dealer. ©2018 Audi of America, Inc. and Audi Canada. All Rights Reserved.

Claim Entry Instructions – Safety Recall 19O2 – Continued

Criteria I.D.	02						
	<p>Install “Buehler” after-run coolant pump</p> <p>Labor operation: 1947 55 99 70 T.U.</p> <table border="1"> <thead> <tr> <th>Quantity</th> <th>Part Number</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1.00</td> <td>06H96559J</td> <td>“Buehler” after-run coolant pump*</td> </tr> </tbody> </table> <p>-AND-</p> <p>Connect battery charger.</p> <p>Labor operation: 2706 89 50 10 T.U.</p> <p>-AND-</p> <p>Connect vehicle diagnostic tester, update engine control module software</p> <p>Labor operation: 2470 25 99 Time stated on diagnostic protocol</p> <div style="background-color: #a0c0ff; padding: 5px; border: 1px solid black;"> <p>! NOTE</p> </div> <p>Operating mode “Flash” must be used. Performing this software update using “Diagnosis” (Guided Fault Finding) could result in non-payment of the claim.</p>	Quantity	Part Number	Description	1.00	06H96559J	“Buehler” after-run coolant pump*
Quantity	Part Number	Description					
1.00	06H96559J	“Buehler” after-run coolant pump*					
Criteria I.D.	03						
	<p>Install “Pierburg” after-run coolant pump</p> <p>Labor operation: 1947 55 99 70 T.U.</p> <table border="1"> <thead> <tr> <th>Quantity</th> <th>Part Number</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1.00</td> <td>06H96559H</td> <td>“Pierburg” after-run coolant pump*</td> </tr> </tbody> </table>	Quantity	Part Number	Description	1.00	06H96559H	“Pierburg” after-run coolant pump*
Quantity	Part Number	Description					
1.00	06H96559H	“Pierburg” after-run coolant pump*					
Criteria I.D.	04						
	<p>Install “Pierburg” after-run coolant pump</p> <p>Labor operation: 1947 55 99 70 T.U.</p> <table border="1"> <thead> <tr> <th>Quantity</th> <th>Part Number</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1.00</td> <td>06H96559H</td> <td>“Pierburg” after-run coolant pump*</td> </tr> </tbody> </table> <p>-AND-</p> <p>Connect battery charger.</p> <p>Labor operation: 2706 89 50 10 T.U.</p> <p>-AND-</p> <p>Connect vehicle diagnostic tester, update engine control module software</p> <p>Labor operation: 2470 25 99 Time stated on diagnostic protocol</p> <div style="background-color: #a0c0ff; padding: 5px; border: 1px solid black;"> <p>! NOTE</p> </div> <p>Operating mode “Flash” must be used. Performing this software update using “Diagnosis” (Guided Fault Finding) could result in non-payment of the claim.</p>	Quantity	Part Number	Description	1.00	06H96559H	“Pierburg” after-run coolant pump*
Quantity	Part Number	Description					
1.00	06H96559H	“Pierburg” after-run coolant pump*					

Claim Entry Instructions – Safety Recall 19N4 – Continued

Criteria I.D.	02							
	Disconnect after-run coolant pump and install wiring harness plug.							
	Labor operation: 1947 37 99	20 T.U.						
	<table border="1"> <thead> <tr> <th style="text-align: center;">Quantity</th> <th style="text-align: center;">Part Number</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.00</td> <td style="text-align: center;">06D198619</td> <td style="text-align: center;">Harness Plug</td> </tr> </tbody> </table>		Quantity	Part Number	Description	1.00	06D198619	Harness Plug
Quantity	Part Number	Description						
1.00	06D198619	Harness Plug						

Customer Letter Example (USA)

NHTSA: 18V229

**Subject: Safety Recalls 19O2/19N4 – Electric (After-run) Coolant Pump
Certain 2012-2017 Model Year Audi Vehicles with a 2.0L TFSI Gasoline Engine**

Dear Audi Owner,

This notice is sent to you in accordance with the National Traffic and Motor Vehicle Safety Act. Audi has decided that a defect, which relates to motor vehicle safety, exists in certain 2012-2017 model year Audi vehicles with a 2.0L TFSI gasoline engine. Our records show that you are the owner of a vehicle affected by this action.

Why you are receiving this recall notice

The electric (after-run) coolant pump in your vehicle is being recalled due to the safety defect described in this letter.

- Owners of affected vehicles were notified in September 2018 and advised about the interim repair available (Safety Recall 19N4) to disconnect the power to the electric (after-run) coolant pump to remove the safety defect. Our records show that recall work was **not** performed on your vehicle.
- Audi has a limited supply of replacement electric (after-run) coolant pumps available now and the repair to replace the pump is available (Safety Recall 19O2).
- Because the pump supply is limited, Audi is keeping both safety recall codes (19N4 and 19O2) open on your vehicle so that your authorized Audi dealer can remove the safety defect from your vehicle by either disconnecting the pump (Safety Recall 19N4) or replacing it (Safety Recall 19O2).

What is the issue?

In certain vehicles with a 2.0L TFSI gasoline engine, the electric (after-run) coolant pump may short circuit and/or overheat, potentially leading to a vehicle fire.

What we will do

As mentioned above, Audi is keeping two safety recalls open on your vehicle to address this safety defect. Your vehicle will receive one of these recall repairs, depending on the parts your authorized Audi dealer has on hand.

- **Safety Recall 19O2:** If your Audi dealer has a new electric (after-run) coolant pump available for your vehicle, the new pump will be installed for **FREE** under Safety Recall 19O2. This work will take about one (1) hour to complete. The new pump will remove the safety defect from your vehicle and will also close out the associated Safety Recall 19N4.
- **Safety Recall 19N4:** If your Audi dealer does **not** have a new electric (after-run) coolant pump available for your vehicle, your dealer will disconnect power to the electric (after-run) coolant pump for **FREE** under Safety Recall 19N4. This work will take less than one (1) hour to complete. This will remove the safety defect from your vehicle and will also close out the associated Safety Recall 19O2.
 - Under a future service campaign, Audi will replace the disconnected pump with a new one for **FREE**. Audi will send you another letter when the service campaign is available and at that time you will be able to schedule installation of the new pump with your Audi dealer.
 - You will receive extended warranty coverage for the turbocharger in your vehicle after the pump is disconnected under Safety Recall 19N4. Audi will mail you a separate letter with details about the turbocharger extended warranty coverage.

For your convenience, you can visit www.audiusa.com and click on the "Find a Dealer" link to locate a dealer near you and schedule this work.

Precautions you should take

Until the recall work is done, you should park outdoors as a precaution in case of a vehicle fire due to the safety defect.

Lease vehicles and address changes

If you are the lessor and registered owner of the vehicle identified in this action, the law requires you to 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 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).

If you still cannot obtain satisfaction, you may file a complaint with: The Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE., Washington, DC 20590; or call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153); or go to <http://www.safercar.gov>.

We apologize for any inconvenience this matter may cause; however we are taking this action to help ensure your safety and continued satisfaction with your vehicle.

Sincerely, Audi Customer Protection

The repair information in this document is intended for use only by skilled technicians who have the proper tools, equipment and training to correctly and safely maintain your vehicle. These procedures are not intended to be attempted by "do-it-yourselfers," and you should not assume this document applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Audi dealer. ©2018 Audi of America, Inc. and Audi Canada. All Rights Reserved.

Customer Letter Example (CANADA)

Subject: Safety Recall 19N4 – Electric (After-run) Coolant Pump Certain 2013-2017 Model Year Audi Vehicles with a 2.0L TFSI Gasoline Engine

Dear Audi Owner,

This notice is sent to you in accordance with the requirements of the Motor Vehicle Safety Act. Audi has decided that a defect, which relates to motor vehicle safety, exists in certain 2013-2017 model year Audi vehicles with a 2.0L TFSI gasoline engine. Our records show that you are the owner of a vehicle affected by this action.

Why you are receiving this recall notice

The electric (after-run) coolant pump in your vehicle is being recalled due to the safety defect described in this letter.

- Owners of affected vehicles were notified in September 2018 and advised about the interim repair available (Safety Recall 19N4) to disconnect the power to the electric (after-run) coolant pump to remove the safety defect. Our records show that recall work was **not** performed on your vehicle.
- Audi has a limited supply of replacement electric (after-run) coolant pumps available now and the repair to replace the pump is available (Safety Recall 19O2).
- Because the pump supply is limited, Audi is keeping both safety recall codes (19N4 and 19O2) open on your vehicle so that your authorized Audi dealer can remove the safety defect from your vehicle by either disconnecting the pump (Safety Recall 19N4) or replacing it (Safety Recall 19O2).

What is the issue?

In certain vehicles with a 2.0L TFSI gasoline engine, the electric (after-run) coolant pump may short circuit and/or overheat, potentially leading to a vehicle fire.

What we will do

As mentioned above, Audi is keeping two safety recalls open on your vehicle to address this safety defect. Your vehicle will receive one of these recall repairs, depending on the parts your authorized Audi dealer has on hand.

- **Safety Recall 19O2:** If your Audi dealer has a new electric (after-run) coolant pump available for your vehicle, the new pump will be installed for **FREE** under Safety Recall 19O2. This work will take about one (1) hour to complete. The new pump will remove the safety defect from your vehicle and will also close out the associated Safety Recall 19N4.
- **Safety Recall 19N4:** If your Audi dealer does **not** have a new electric (after-run) coolant pump available for your vehicle, your dealer will disconnect power to the electric (after-run) coolant pump for **FREE** under Safety Recall 19N4. This work will take less than one (1) hour to complete. This will remove the safety defect from your vehicle and will also close out the associated Safety Recall 19O2.
 - Under a future service campaign, Audi will replace the disconnected pump with a new one for **FREE**. Audi will send you another letter when the service campaign is available and at that time you will be able to schedule installation of the new pump with your Audi dealer.
 - You will receive extended warranty coverage for the turbocharger in your vehicle after the pump is disconnected under Safety Recall 19N4. Audi will mail you a separate letter with details about the turbocharger extended warranty coverage.

Please contact your Audi dealer without delay to schedule this work.

Lease vehicles and address changes

If you are the lessor and registered owner of the vehicle identified in this action, the law requires you to 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 safety and continued satisfaction with your vehicle.

Sincerely,

Audi Customer Protection

NOTE

- 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.

NOTE



The following repair instructions are for **BOTH** Recalls **1902** and **19N4**. These Recall operations are combined in this repair instruction. All vehicles that are included in safety recall 1902 are also included in the safety recall 19N4. Only one of these safety recalls should be completed on the vehicle. **DO NOT PERFORM BOTH 1902 and 19N4.**

- Perform 1902 if the after-run coolant pump is available for the vehicle being worked on.
 - Vehicles with criteria 01 or 02 must only use coolant pump part number 06H.965.559.J (Buehler).
 - Vehicles with criteria 03 or 04 must only use coolant pump part number 06H.965.559.H (Pierburg).
- Perform 19N4 only if the after-run coolant pump is **NOT** available for the vehicle being worked on.

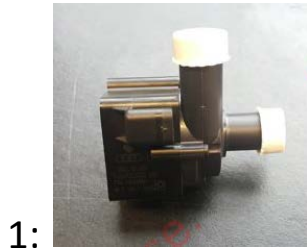
Repair Overview for 1902

Criteria	Description	Repair
01	Produced after 12.31.2012 and 19M1 flash was performed	Install Buehler pump
02	Produced after 12.31.2012 and 19M1 flash was not performed	Install Buehler pump and update ECM software
03	Produced on or before 12.31.2012 and 19M1 flash was performed	Install Pierburg pump
04	Produced on or before 12.31.2012 and 19M1 flash was not performed	Install Pierburg pump and update ECM software

All vehicles that are included in safety recall 1902 are also included in the safety recall 19N4. Only one of these safety recalls should be completed on the vehicle. **DO NOT PERFORM BOTH 1902 and 19N4.**

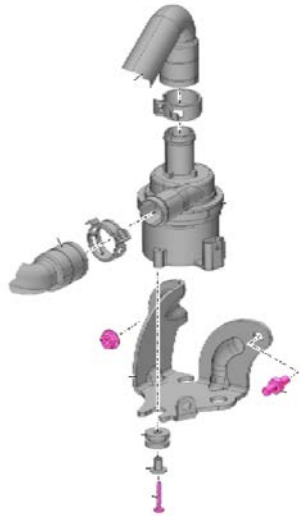
- Perform 1902 if the after-run coolant pump is available for the vehicle being worked on.
- Perform 19N4 only if the after-run coolant pump is not available for the vehicle being worked on.
- Vehicles with criteria 01 or 02 must only use coolant pump part number 06H.965.559.J (Buehler).
- Vehicles with criteria 03 or 04 must only use coolant pump part number 06H.965.559.H (Pierburg).

The repair information in this document is intended for use only by skilled technicians who have the proper tools, equipment and training to correctly and safely maintain your vehicle. These procedures are not intended to be attempted by "do-it-yourselfers," and you should not assume this document applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Audi dealer. ©2018 Audi of America, Inc. and Audi Canada. All Rights Reserved.



After-run Coolant Pump Identifier

1. Pierburg
2. Buehler



1902 Criteria 01 and 03 Vehicles:

- Replace after-run coolant pump.

1902 Criteria 02 and 04 Vehicles:

- Replace after-run coolant pump and update ECM software.

Required Parts for 1902

<u>Criteria</u>	<u>Quantity</u>	<u>Part Number</u>	<u>Part Description</u>
01 or 02	1	06H.965.559.J	After-run Coolant Pump (Buehler)
03 or 04	1	06H.965.559.H	After-run Coolant Pump (Pierburg)

⚙️ IMPORTANT PARTS INFORMATION FOR 1902

- Vehicles with criteria 01 or 02 must only use coolant pump part number 06H.965.559.J (Buehler).
- Vehicles with criteria 03 or 04 must only use coolant pump part number 06H.965.559.H (Pierburg).
- If the pump required for the vehicle being worked on is **NOT** available, perform the 19N4 Recall.

Repair Overview for 19N4



19N4 Criteria 01 Vehicles:

- Disconnect connector to the after-run coolant pump -V51- and install a sealing plug for the wiring harness connector.
- Update ECM programming.

19N4 Criteria 02 Vehicles:

- Disconnect connector to the after-run coolant pump -V51- and install a sealing plug for the wiring harness connector.

Required Parts for 19N4

<u>Criteria</u>	<u>Quantity</u>	<u>Part Number</u>	<u>Part Description</u>
ALL	1	06D.198.619	Harness Plug

All vehicles that are included in safety recall 19O2 are also included in the safety recall 19N4. Only one of these safety recalls should be completed on the vehicle. **DO NOT PERFORM BOTH 19O2 and 19N4.**

- Perform 19O2 if the after-run coolant pump is available for the vehicle being worked on.
- Perform 19N4 only if the after-run coolant pump is **NOT** available for the vehicle being worked on.

Required Tools



Battery Tester/Charger
- GRX3000VAS-
(or equivalent)



Diagnostic Tester
- VAS6150X-
(or equivalent)

The repair information in this document is intended for use only by skilled technicians who have the proper tools, equipment and training to correctly and safely maintain your vehicle. These procedures are not intended to be attempted by "do-it-yourselfers," and you should not assume this document applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Audi dealer. ©2018 Audi of America, Inc. and Audi Canada. All Rights Reserved.

	<p>Torque Wrench 5-50Nm -VAG1331- (or equivalent) 1902 Only</p>		<p>Torque Wrench 1783 2-10Nm -VAG1783- (or equivalent) 1902 Only</p>
	<p>Hose Clamps - Up To 25mm -3094- (or equivalent) 1902 Only</p>		

Repair Instruction

Section A - Check for Previous Repair

Applicable criteria ID(s)	Campaign/Action Status
01 ← 2	Open ← 1

EXAMPLE

- 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.

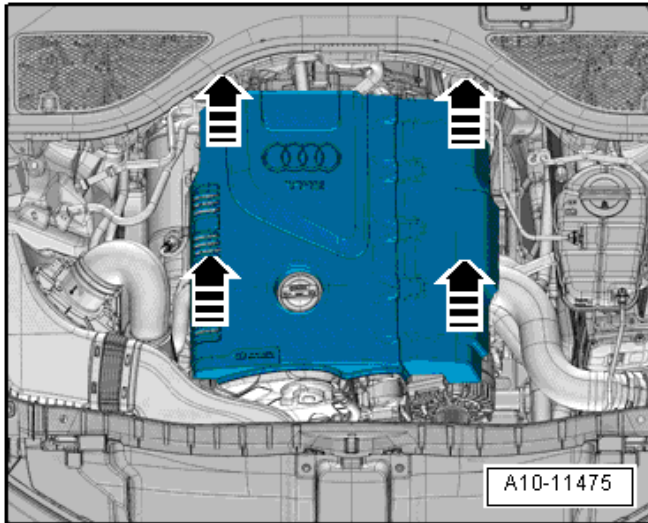
- Confirm the Campaign/Action is open <arrow 1>. If the status is closed, no further work is required.
- Note the Applicable Criteria ID <arrow 2> for use in determining the correct work to be done and corresponding parts associated.

Proceed to Section B if performing 19O2
Proceed to Section C if performing 19N4

Section B – Recall 19O2 - Replace After-run Coolant Pump

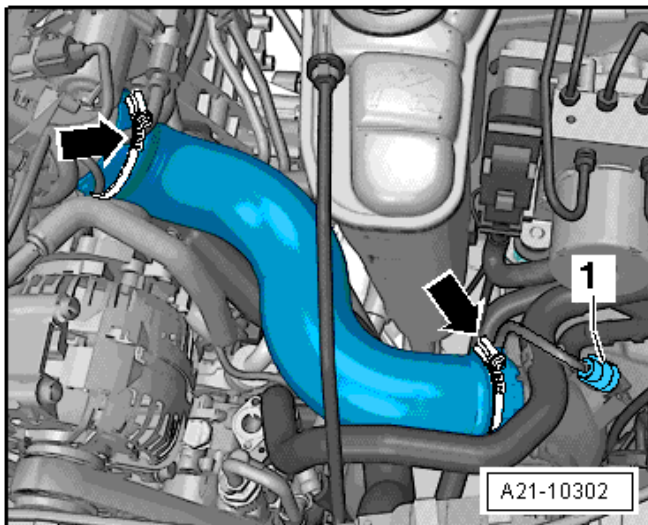
IMPORTANT PARTS INFORMATION

- Vehicles with criteria 01 or 02 must only use coolant pump part number 06H.965.559.J (Buehler).
- Vehicles with criteria 03 or 04 must only use coolant pump part number 06H.965.559.H (Pierburg).



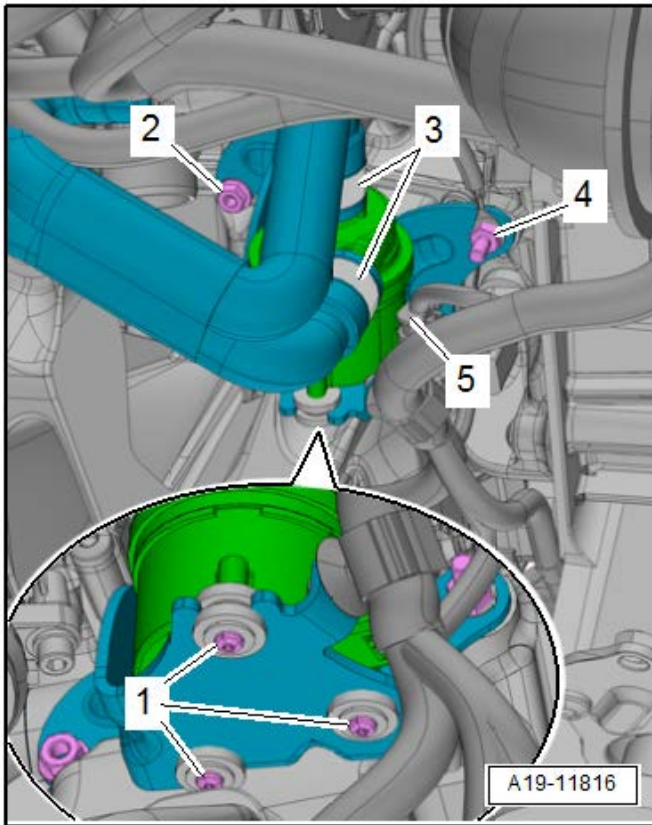
Remove engine cover:

- Carefully pull the engine cover off the ball pins one after the other in direction of <arrows>. Do not pull sharply on the engine cover or pull it to one side.



Remove intake air hose:

- Loosen the hose clamps <arrows> and remove the air duct hose.



Removing after-run coolant pump -V51-:

- Loosen the hose clamps <3>.
- Clamp off the coolant hoses with the -3094- and remove hoses from the after-run coolant pump.

i TIP

Removing the coolant hoses from the after-run coolant pump before removing the pump from the engine will make removal and installation of the pump/bracket assembly easier.

- Disconnect the connector <5>.
- Remove the nut <4> free up the ground wire, and then remove the double bolt.
- Remove the nut <2>.

i TIP

An extendable magnet may be required to ensure nut <2> isn't dropped during removal.

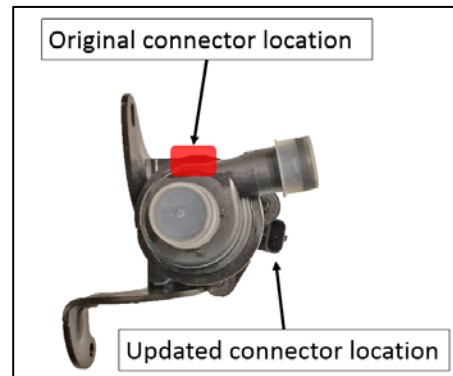
- The new after-run coolant pump comes with an updated bracket already installed. Bolts <1> will not require removal.

Installing new after-run coolant pump -V51-:



i NOTE

Due to the new location of the connector on the new pumps, the after-run coolant pump wiring harness <arrow> may have to be routed so it does not come into contact with the pump coolant hose.



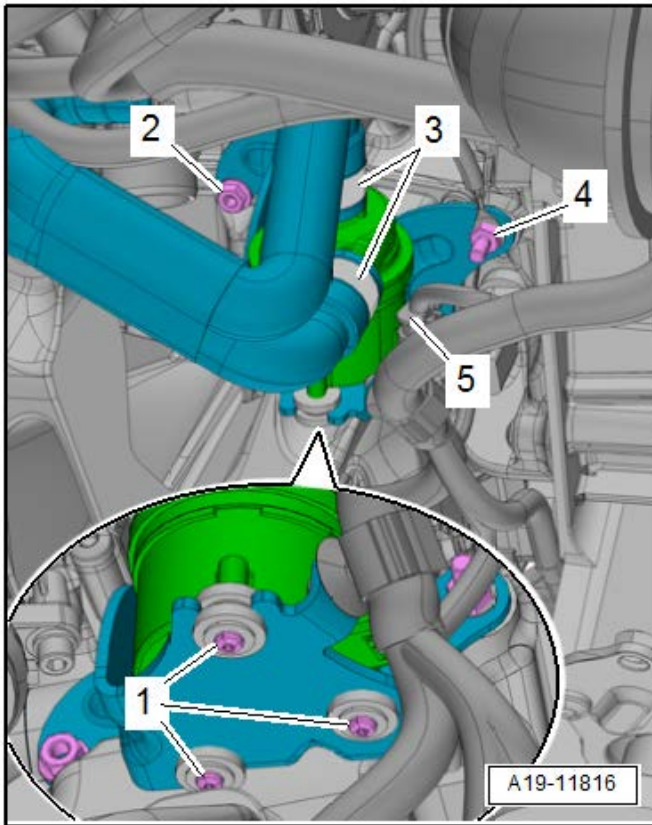


TIP

When installing nut <2>, a swivel socket may not clear the coolant hose fitting.

- Attach securing nut to index finger using some sealant cord (“dum-dum”).
- Position securing nut on stud with index finger.
- If necessary, hold securing nut from above with a flat-bladed screwdriver and at the same time screw on securing nut with index finger until a socket can be used on the nut.

- Install new after-run coolant pump/bracket assembly.



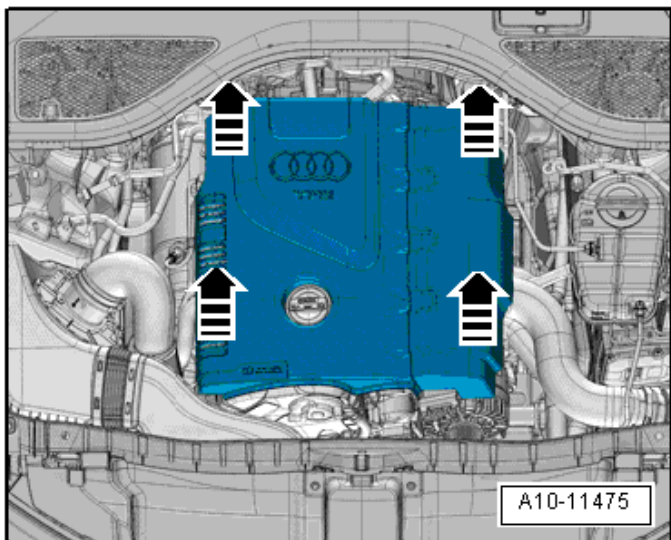
Crit.	Part Number	Part Description
01 or 02	06H.965.559.J	After-run coolant pump (Buehler)
03 or 04	06H.965.559.H	After-run coolant pump (Pierburg)

- Install nut <2> and torque to 9 Nm.
- Install double bolt at location <4> and torque to 9 Nm.
- Install ground wire.
- Install nut at location <4> and torque to 9 Nm.
- Install hoses and secure hose clamps <3>.
- Connect connector <5>.

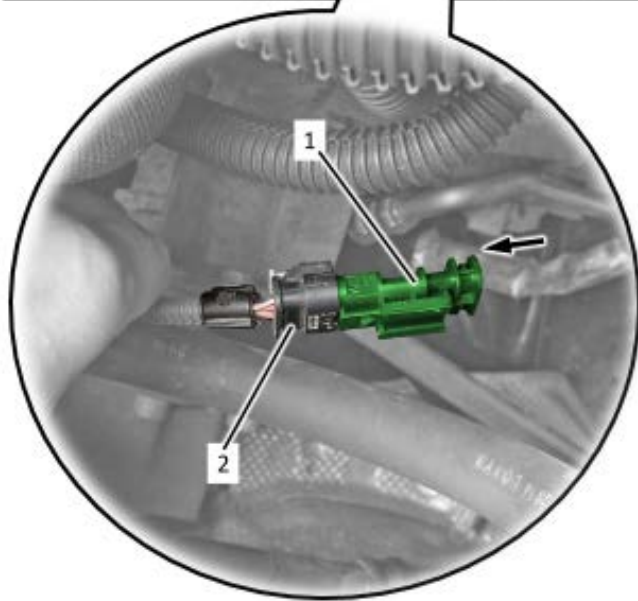
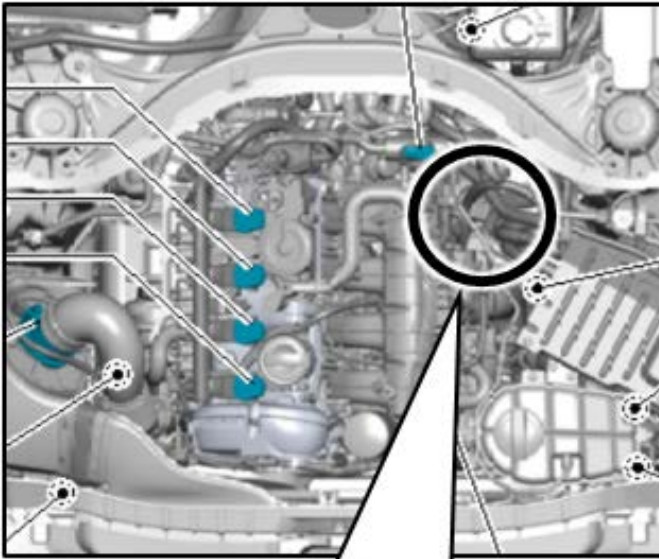
Criteria 02 or 04, Proceed to Section D and update ECM software.

Criteria 01 or 03, Proceed to Section E.

Section C – 19N4 - Install Harness Plug



- Carefully pull the engine cover off the ball pins one after the other in direction of <arrows>. Do not pull sharply on the engine cover or pull it to one side.

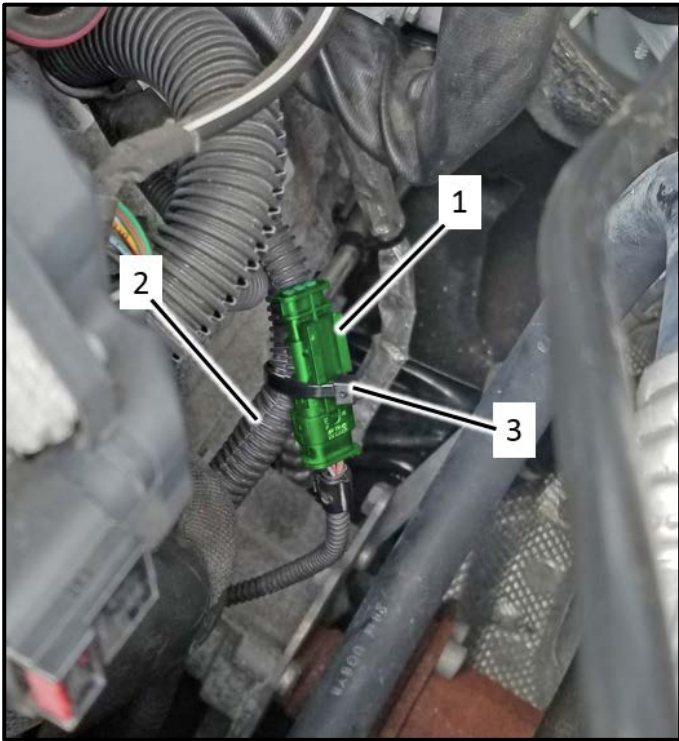


- Disconnect the connector <2> for the after-run coolant pump -V51-.
- Install connector plug <1> into connector <2> in direction of <arrow> and lock the locking tab on connector <2>.

Part Number	Part Description
06D.198.619	Connector Plug

NOTE

The connector plug and the wiring harness connector are “keyed”. The plug has two locking tabs on it, but can only be installed one way. If the connector plug cannot be installed, flip it over.



- Secure the harness plug <1> to the wiring loom <2> with the tie wrap <3>.
 - The plug should be secured in a way that does not put stress on the connector wiring harness or the wiring loom.

! NOTE

- The tie wrap is included with the connector plug.
- The orientation of the wiring loom <2> may vary based on model.

Criteria 01, Proceed to Section D and update ECM software.

Criteria 02, Proceed to Section E.

! NOTE

- Vehicles with Criteria 02 have not had the 19M1 performed as of the launch of this recall.
- After disconnecting the after-run coolant pump -V51-, fault *P261A: Coolant Pump "B" Control Circuit/Open* will store in the ECM. The flash performed in Section D prevents the EPC light from illuminating due to any fault for the Auxiliary coolant pump -V51-.
- If the vehicle has Criteria 02, and the EPC light is on due to fault *P261A: Coolant Pump "B" Control Circuit/Open*, proceed to Section D to perform the software flash.
- In these cases, the GFF diagnostic log **MUST** be provided or uploaded to GFF paperless for claim validation and payment.

Section D – ECM Software Update

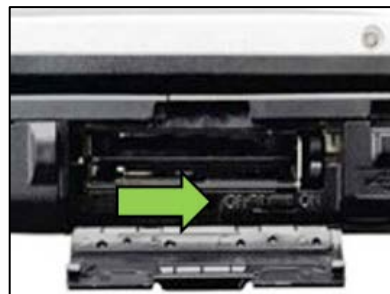
NOTE

Prior to launching the VAS Diagnostic Tester and starting an update, ensure the following conditions are met;

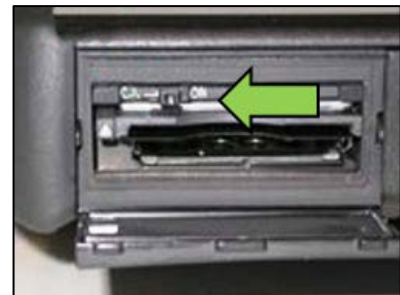
- ✓ **The ODIS software is completely up to date.**
 - Refer to the “Alerts” section on ServiceNet home page for the current ODIS version.
- ✓ **The battery charger is connected to the vehicle battery and remains connected for the duration of the software update.**
 - Battery voltage must remain above 12.5 volts for the duration of the software update. Failure to do so may cause the update to fail, which could result in damage to the control module. Control modules damaged by insufficient voltage will not be covered.
- ✓ **The screen saver and power saving settings are off.**
 - Failure to do so may result in the tester entering power save mode during the software update, which could result in damage to the control module.
- ✓ **The VAS Diagnostic Tester is plugged in using the supplied power adapters.**
 - Under no circumstances should the tester be used on battery power alone during the software update. Failure to do so may result in the tester powering off during the update, which could result in damage to the control module.
- ✓ **Flash process through “Audi Flashing” not Guided Fault Finding (GFF).**
 - DO NOT USE Guided Fault Finding (GFF) to perform this flash. Damage caused to control modules while using GFF will not be covered.
- ✓ **If using a Bluetooth transmitter head, it is connected to the tester with a USB cable.**
 - Performing a software update using a Bluetooth connection increases the risk of losing connection during the update, which could result in damage to the control module. It also greatly increases the time required to perform the update. Requests for additional time or parts will be denied if the GFF log shows the update was performed using Bluetooth.
- ✓ **The Bluetooth function of the scan tool is physically switched off <see pictures below>.**



VAS 6150 & VAS 6150A
(Front panel behind handle)



VAS 6150B
(Right side behind WIRELESS door)



VAS 6150C
(Left side behind SC/EX door)

⚠ WARNING

Radiator Fan(s) may cycle ON high speed during the Update Process! There is a serious risk that personal injury may result if contact is made with spinning fan blades. Keep hands and all objects away from Radiator Fan(s) during Update Process!

ℹ TIP

To Update-Programming using SVM, review and follow instructions in Technical Bulletin 2014603: *Software Version Management (SVM) Operating Instructions*.

The SVM Process must be completed in its entirety so the database receives the update confirmation response. A warranty claim may not be reimbursed if there is no confirmation response to support the claim.

- Open the hood.
- Attach the GRX3000VAS Tester/Charger (or equivalent) to the vehicle battery or underhood charging posts.

! NOTE

When connecting the charger directly to the battery, connect the positive cable to the positive terminal of the battery and connect the negative cable to the grounding lug on the chassis. DO NOT connect the ground cable directly to negative terminal of the battery.

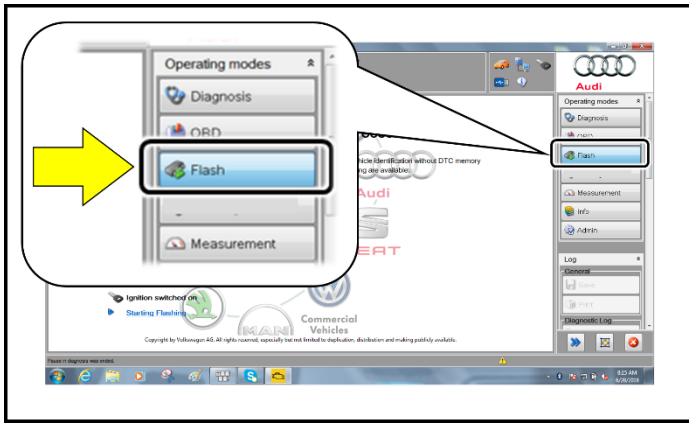
- Switch on the hazard warning lights.

⚠ CAUTION

The procedure may cancel itself if the hazard warning lights are not switched on. The hazard warning lights prevent the system from switching to bus sleep mode during the update.

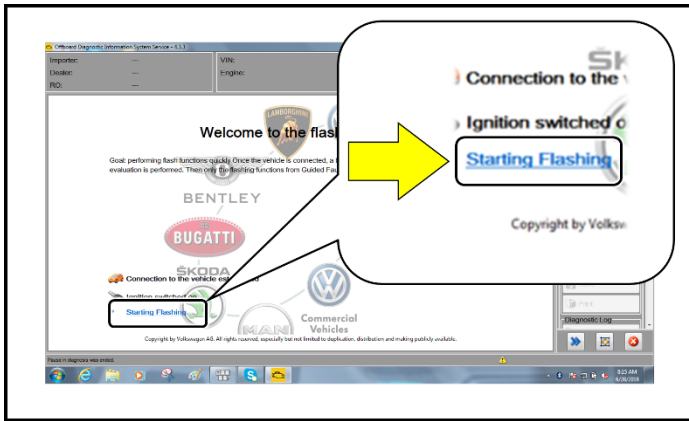
- Connect the VAS6150X/VAS6160X Diagnostic Tester to the vehicle.
- Start the ODIS program.
- Confirm that scan tool is communicating with the diagnostic head by USB cable.
 - If the Bluetooth or WiFi symbol is shown, then disconnect the diagnostic head from the vehicle and reconnect the USB cable to the diagnostic head and then reattach to the vehicle.



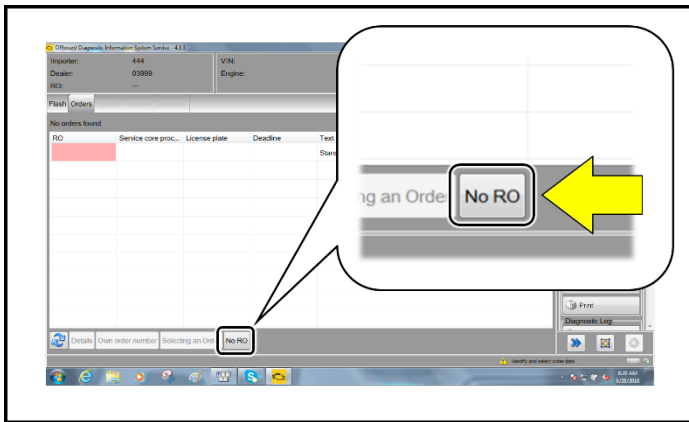


- From the home screen of the scan tool highlight **"Flash"**.

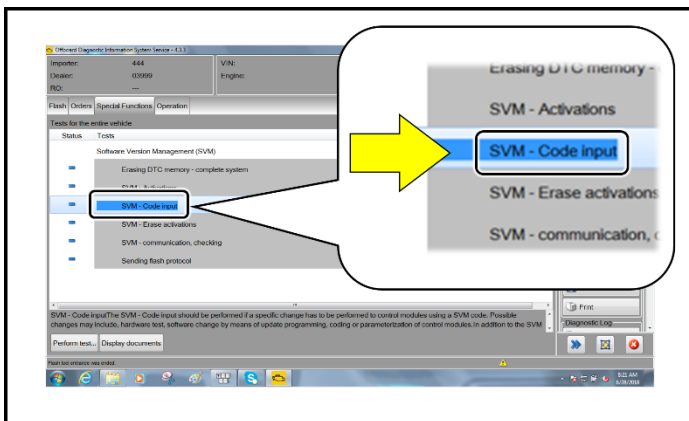
NOTE
 Operating mode "Flash" must be used. Performing this software update using "Diagnosis" (Guided Fault Finding) could result in non-payment of the claim.



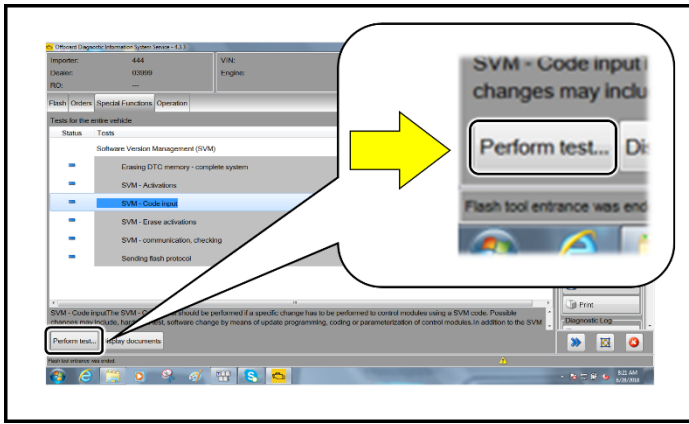
- Select **"Starting Flashing"** and follow the on-screen prompts.



- Select **"No RO"**.



- Highlight **"SVM - Code Input"**.



- Select “Perform test”.



NOTE

STOP! STOP!

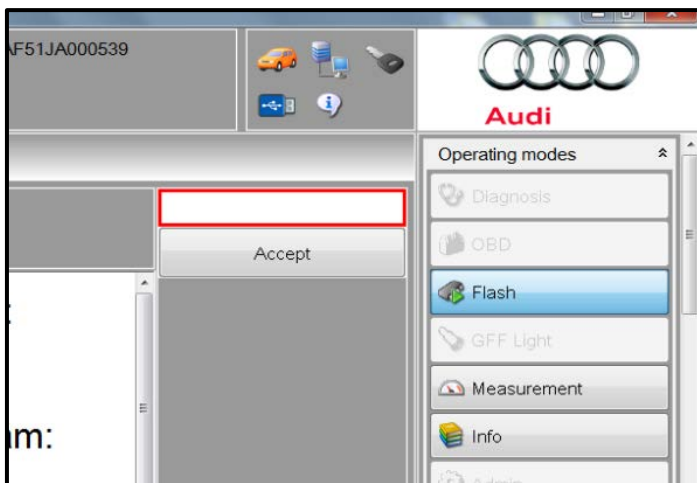
IMPORTANT!

You must select the correct corrective action code (SVM code) based upon the repair that was performed in the next step. It is critical that you select and program the correct SVM code.

NOTE

Using Bluetooth for this action is PROHIBITED!

Damage caused to electronic components (e.g. ECM, TCM, etc.) during the SVM flash process is not covered.



Enter the corrective action code (SVM code) that is applicable based upon the recall that was performed as listed below:

- If **Section B – Recall 1902 - Replace after-run coolant pump** was performed, enter this SVM code:

1902 SVM code

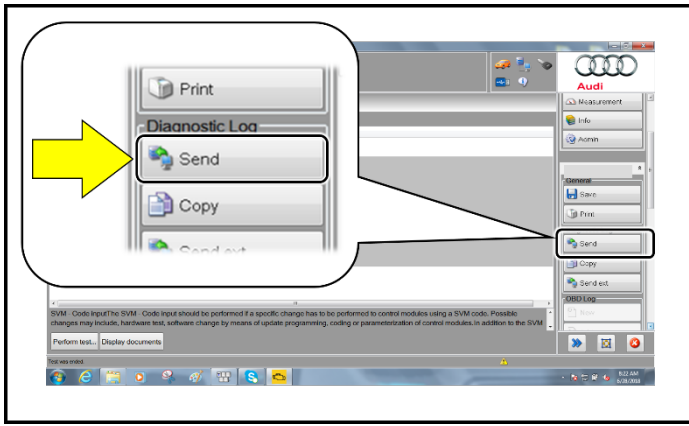
1902A270

- If **Section C – Recall 19N4 - Install Harness Plug** was performed, enter this SVM code:

19N4 SVM code

19N4A504

- Select “Accept”.
- Follow the on-screen prompts.



- After receiving confirmation that the flash completed successfully, select “Send” to send the diagnostic protocol online.
- Follow the on-screen prompts.



- Click “Flash” to exit the flash session.
- **Proceed to Section E.**

Section E – Campaign Completion Stamp

I certify that this campaign
has been performed in strict
accordance with the applicable
Audi repair procedure.

SAGA Code: _____
Technician: _____
Date: _____

Item#: AUD4927ENG

-OR-

Je certifie que cette
campagne de rappel a été
exécutée suivant les strictes
directives de réparation
d'Audi

Code de SAGA: _____
Technicien: _____
Date: _____

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.

Continue to Section F.

Section F - 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.

ALL WORK IS COMPLETE