

Safety Recall

Code: 24DF



REVISION

Subject	Engine Control Module (ECM) Software
Release Date	October 19, 2018
Revision Summary	Updated photo in work instructions to reflect that the <u>"Flash"</u> operating mode must be used.
Affected Vehicles	U.S.A. : Certain 2017-2018 MY Audi A3 Cabriolet & A3 Sedan with 2.0T Gasoline Engine and Front Wheel Drive CANADA: Certain 2017-2018 MY Audi A3 Sedan with 2.0T Gasoline Engine and Front Wheel Drive <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> <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.
Problem Description	On certain vehicles, during engine start-up or low RPMs, the engine air/fuel burning stability strategy may not be robust enough. This could cause the system to misinterpret conditions as the dual mass flywheel begins to rotate, which could result in a loss of motive power, increasing the risk of a crash causing injury and/or damage to property.
Corrective Action	Update engine control module (ECM) software.
Parts Information	Software update only; no parts needed.
Precautions	If this fault occurs and the vehicle stalls, the red "Engine Stop While Driving" light will illuminate. Owners should refer to the vehicle owner's manual for complete information on vehicle warning lights.
Code Visibility	On or about September 04, 2017, affected vehicles were listed on the Inventory Vehicle Open Campaign Action report under My Dealership Reports (found on www.accessaudi.com & OMD Web). A list was not posted for dealers who did not have any affected vehicles. On or about September 04, 2017, this campaign code showed open on affected vehicles in Elsa. On or about September 04, 2017, 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 .
Owner Notification	Owner notification took place in September 2017. Owner letter examples are included in this bulletin for your reference.
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. IMPORTANT REMINDER ON VEHICLES AFFECTED BY SAFETY & COMPLIANCE RECALLS <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.

Pre-Owned Vehicles in Dealer Inventory: 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.

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

Customer Letter Example (USA)

<MONTH YEAR>

<CUSTOMER NAME>

<CUSTOMER ADDRESS>

<CUSTOMER CITY STATE ZIPCODE>

This notice applies to your vehicle: <VIN>

NHTSA: 17V508

**Subject: Safety Recall 24DF – Engine Control Module (ECM) Software
Certain 2017-2018 Model Year Audi A3 Cabriolet & A3 Sedan with 2.0T Gasoline Engine and Front
Wheel Drive**

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 2017-2018 model year Audi A3 Cabriolet & A3 Sedan with 2.0T gasoline engine and front wheel drive. Our records show that you are the owner of a vehicle affected by this action.

- What is the issue?** On certain vehicles, during engine start-up or low RPMs, the engine air/fuel burning stability strategy may not be robust enough. This could cause the system to misinterpret conditions as the dual mass flywheel begins to rotate, which could result in a loss of motive power, increasing the risk of a crash causing injury and/or damage to property.
- What will we do?** To correct this defect, your authorized Audi dealer will update the engine control module (ECM) software. This work will take about an hour to complete and will be performed for you free of charge.
- What should you do?** Please contact your authorized Audi dealer without delay to schedule this recall repair. 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.
- Precautions you should take** If this fault occurs and the vehicle stalls, the red "Engine Stop While Driving" light will illuminate. Refer to the vehicle owner's manual for complete information on vehicle warning lights, and contact your nearest authorized Audi dealer without delay to have your vehicle inspected.
- 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.
- 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

Customer Letter Example (CANADA)

<MONTH YEAR>

<CUSTOMER NAME>

<CUSTOMER ADDRESS>

<CUSTOMER CITY STATE ZIPCODE>

This notice applies to your vehicle: <VIN>

**Subject: Safety Recall 24DF – Engine Control Module (ECM) Software
Certain 2017-2018 Model Year Audi A3 Sedan with 2.0T Gasoline Engine and Front Wheel Drive**

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 2017-2018 model year Audi A3 Sedan with 2.0T gasoline engine and front wheel drive. Our records show that you are the owner of a vehicle affected by this action.

What is the issue? On certain vehicles, during engine start-up or low RPMs, the engine air/fuel burning stability strategy may not be robust enough. This could cause the system to misinterpret conditions as the dual mass flywheel begins to rotate, which could result in a loss of motive power, increasing the risk of a crash causing injury and/or damage to property.

What will we do? To correct this defect, your authorized Audi dealer will update the engine control module (ECM) software. This work will take about an hour to complete and will be performed for you free of charge.

What should you do? Please contact your authorized Audi dealer without delay to schedule this recall repair.

Precautions you should take If this fault occurs and the vehicle stalls, the red "Engine Stop While Driving" light will illuminate. Refer to the vehicle owner's manual for complete information on vehicle warning lights, and contact your nearest authorized Audi dealer without delay to have your vehicle inspected.

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.

Required Tools



- VAS6150D - Diagnostic Tester (or equivalent)
- VAS6154 - Vehicle Communication Interface (or equivalent)

NOTE

The VAS6154 or VAS5055 are the preferred diagnostic heads. Using the VAS5054 may cause a SVM failure that could result in control module failure.



- GRX3000VAS – Battery Tester/Charger (or equivalent)

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.

Section B – Repair Procedure

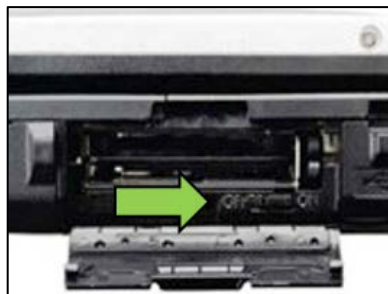
NOTE

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

⚠ NOTE

When connecting the charger 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 VAS6150D Diagnostic Tester (or equivalent) to the vehicle.
- Start the ODIS program.
- Confirm that scan tool is communicating with the diagnostic head by USB <Green Arrow>.
 - If the Bluetooth symbol is shown <Red Arrow> 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 select **"Flash"**.
- Follow the on-screen prompts.
- Select "SVM code input."

Enter SVM code **24DFA192**.

- Follow the on-screen prompts.
- **Proceed to Section C.**

Section C – Campaign 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 (item# AUD4927ENG or AUD4927FRE).

ALL WORK IS COMPLETE