



SIB 11 09 23

2025-05-09

RECALL 23V-707: REPLACE VANOS ADJUSTMENT UNIT SCREWS

This Service Information Bulletin (Revision 8) replaces SI B11 09 23 **dated March 2025**.

Please perform the procedure outlined in this Service Information on all affected vehicles before customer delivery. In the event the customer has already taken delivery of the vehicle, please perform the procedure the next time the vehicle is in the shop.

| | |
|--------------------------|---|
| <input type="checkbox"/> | THIS REPAIR IS MOBILE FRIENDLY |
| <input type="checkbox"/> | THIS REPAIR IS REMOTE SOFTWARE UPGRADE (RSU) FRIENDLY |

What's New:

- Models updated to include F07 (Gran Turismo)
- Claim Information updated

MODEL

| | | |
|----------------------------------|----------------------------------|-----------------------------|
| E60 (5 Series Sedan) | E70 (X5 Sports Activity Vehicle) | E82 (1 Series Coupe) |
| E83 (X3 Sports Activity Vehicle) | E84 (X1 Sports Activity Vehicle) | E88 (1 Series Convertible) |
| E89 (Z4 Roadster) | E90 (3 Series Sedan) | E91 (3 Series Sports Wagon) |
| E92 (3 Series Coupe) | E93 (3 Series Convertible) | F07 (5 Series Gran Turismo) |
| F10 (5 Series Sedan) | F25 (X3 Sports Activity Vehicle) | |

Vehicles equipped with the N51, N52K, N52T and N55 Engines.

AFFECTED VEHICLES

Vehicles which require this campaign to be completed will show it as "Open" when checked either in AIR, AWP, Campaign Summary or Warranty Vehicle Inquiry.

Please make sure you check your dealer inventory as soon as possible. As of October 24, 2023, you can see a list of affected vehicles in Inventory Campaign Details (ICD) under ROSS.

UNAFFECTED VEHICLES

Applicable vehicles which had both VANOS adjustment units (P/N 11 36 7 583 207 and P/N 11 36 7 583 208) replaced, or had a complete new or remanufactured engine assembly (with cylinder head) previously replaced, on or after September 1, 2012: These installed replacement parts already meet the requirements of this Recall Campaign. No further repair is necessary.

SITUATION

BMW AG is conducting a Voluntary Safety Recall (effective October 23, 2023) on a certain number of Model Year 2010 - 2013 BMW vehicles that were produced between September 2, 2009, and July 12, 2012.

Please note: These vehicles had coverage under the BMW Engine Camshaft (VANOS) Adjustment Units Limited Warranty Extension (ELW) 10 Years/Unlimited Mileage (SI B01 10 14).

The VANOS assembly (engine) bolts may, over time, loosen, and eventually break. If this occurred, a reduced engine power "safe mode" may be activated. In some cases, the engine may not be able to be restarted after switching off and, in rare cases, the engine could stall which could increase the risk of a crash.

CORRECTION

Replace the VANOS assembly bolts that are not loose or broken.

If the VANOS assembly bolts are found loose or broken, then that entire VANOS assembly must be replaced.

If only one (1) VANOS assembly has loose or broken bolts, only replace that VANOS assembly- do not replace both VANOS assemblies.

Consequential Engine Repairs

When qualifying additional or other work and/or parts (cylinder head or the engine assembly) which are required due to being a direct result of the issue and/or addressing the issue outlined in this Service Information bulletin, claim these items under the Repair Code in this bulletin together with the corresponding labor operation codes and their flat rate unit (FRU) allowance(s), including the diagnosis that applies (SI B01 01 20 or B01 07 20).

Please explain the reason for this consequential repair work (the why and the what) on the repair order and in the claim comments section.

For example, if the VANOS bolt heads become dislodged and fall into the engine, the most likely resulting consequential issue is damage to the oil pump chain drive and/or the timing chain drive. These two situations would result in stored DME faults relating to no engine oil pressure or camshaft to crankshaft timing correlation faults.

In some situations, a TSARA case would be recommended when your center is uncertain if the required additional engine work is consequential or not to the recall remedy repair.

Non-Consequential Engine Repairs

This recall's Affected Vehicles are of high age and potentially high mileage so that they can arrive at your center with other engine issues that are beyond the scope of the Recall repair. You may be required to identify, diagnose, and address these other engine issues before you can start performing the VANOS bolts' recall remedy repair that applies.

It is important to initially, and continually as needed during the repair process, notify and discuss with the customer that other engine diagnosis and repairs may or are required, and that this corresponding repair work is not covered by this Recall.

PROCEDURE

Before proceeding, review the Affected Vehicle's Repair History (Claims) section located at the bottom of the Warranty Vehicle Inquiry (WVI).

From the previous claim submission (including ELW SI B01 10 14), or by using other available resources (clear supporting claim or other repair-related documentation)- if it is determined that on or after September 1, 2012, both VANOS units were previously replaced and/or repaired, no VANOS unit repair is necessary.

Engines with no VANOS issues (no VANOS gear replacement is needed)

Vehicles can be repaired using "Parts List A" parts provided in the Parts Information section below in this bulletin.

If the original reason the vehicle arrived at your workshop was for an:

- **Un-related engine oil leak from the cylinder head cover, and**
- **This VANOS Recall campaign shows "Open,"**

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Regardless of the vehicle's Recall Remedy Status being a **Green "X"** or a **Red "X,"** upfit the engine with the "Parts List A" parts at the same time, submit the claim for the Recall-related repair portion, and adjust/reduce the customer pay portion accordingly.

You no longer need to create TSARA Hotline case for the engine oil leak.

Engines with Broken or Missing VANOS Bolts (VANOS gear replacement is needed)

Vehicles can be repaired using "Parts List B" or "Parts List C" parts provided in the Parts Information section below in this bulletin.

If fragments of the bolts are not accounted for then the engine oil pan will need to be removed to retrieve the fragments.

You no longer need to create TSARA Hotline case.

Engines with VANOS gears installed that are not affected or are not an original BMW part

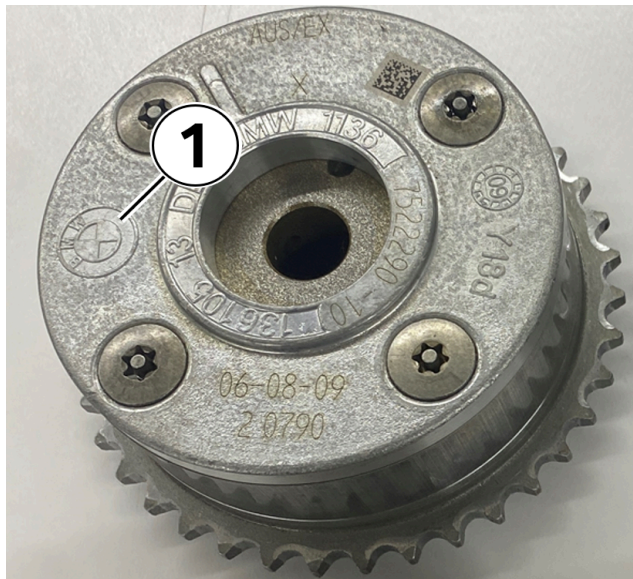
After the cylinder head cover is removed and a VANOS gear is identified without removable bolts, different bolt design or the VANOS gears do not resemble an original BMW part.

Review the Version 1 and Version 2 examples of the BMW VANOS gears provided below.

Version 1 – Is not affected by this Recall.

Version 2 – Is affected by the Recall.

Version 1 VANOS Gears (not affected)



Version 1 VANOS gears are not affected because the 4 assembly bolts are of a different design, and are installed in the front side of the VANOS gear as shown.

Impulse wheel removed for clarity.

The BMW Roundel (1) is shown.



Impulse wheel installed.

To ensure it is a BMW genuine part you will need to use mirror or a borescope to look behind the impulse wheel if the BMW roundel is not already aligned with one of the segments in the impulse wheel.

Do not remove the impulse wheel.

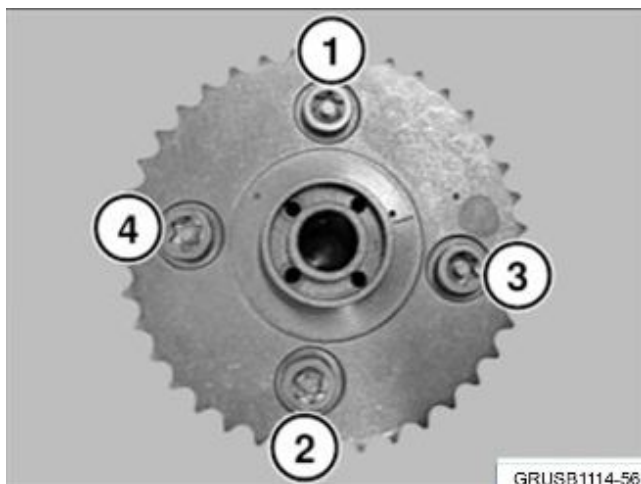
If version 1 VANOS gears are identified, then you do not need to make any further repairs.

If a non-BMW part is identified then see below in red.

Refer to the warranty section stating "VANOS Recall Remedy Repair is not necessary" and use Work Package #9 or #10.

If a VANOS gear is installed that does not resemble the examples shown above, then create a Standard TSARA Hotline case with photos of identifying marks, part numbers, etc. and wait for a response.

Version 2 VANOS Gears (affected)



The 4 bolts in this photo are the affected design with the tamper-resistant pin in the center of each bolt head.

These bolts are located on the rear side of the VANOS gear.



Rear view:

Affected VANOS gear example with removable bolts.

The 4 bolts in this photo are the new updated design without the tamper resistant pin in the center of each bolt head.

The exterior of the intake and exhaust VANOS gears are essentially identical in construction except for a part number difference.



Top/side view with impulse sending wheel installed:

The exterior of the intake and exhaust VANOS gears are essentially identical in construction except for a part number difference.



Front view with impulse sending wheel removed:

The exterior of the intake and exhaust VANOS gears are essentially identical in construction except for a part number difference.



Front view with impulse sending wheel installed:

The exterior of the intake and exhaust VANOS gears are essentially identical in construction except for a part number difference.

If a VANOS gear is installed that does not resemble the examples shown above, then create a Standard TSARA Hotline case with photos of identifying marks, part numbers, etc. and wait for a response.

When an Affected Vehicle requires this Recall repair to be performed:

1. Replace the VANOS assembly's gear bolts on the units that **do not** have any loose and/or broken bolts (one side, or both sides as applicable).
2. If the gear bolts on a VANOS assembly are found loose and/or broken, replace the entire VANOS assembly. If the heads of the bolts are broken, the missing pieces must be found and removed from the engine before the engine repairs are completed.

The VANOS assembly bolt removal and installation video can be viewed via the TIS Website:

1. Select "Videos" from the top menu bar.
2. In the search enter "23V-707" and enter from your keyboard
3. Select "11 03 14 Recall 23V- 707: replace VANOS adjustment screw connection"

Do not automatically replace both VANOS assemblies if only one unit has a loose and/or broken bolt(s).

Refer to the attachment for special tool requirements, tool operation and repair procedures.

It is necessary that the procedure described in the attachment be performed with the vehicle at room temperature. Performing the torque sequence described in this bulletin with a hot engine will result in an inaccurate torque value.

PARTS INFORMATION

Refer to the Parts Matrix for the most up to date ordering information.

The old VANOS bolt P/N 11 36 8 602 263 has been superseded to the new VANOS bolt part number 11 36 5 B44 E13.

(* The new bolt part number and the old bolt part number are technically identical; a mix of both bolts can be used to perform an applicable recall remedy repair should this situation become necessary.

Please use two-bin inventory control process by part number (active stock until depleted, reserve/replacing stock) when you are providing your technicians with replacement VANOS bolts, this will help ensure that the correct VANOS bolt part number(s) that were installed are invoiced on the RO (DN = quantity of one).

Vehicles equipped with the N51, N52K and N52T engines.

Parts List A:

The parts list below is only for vehicles that receive replacement VANOS adjustment unit bolts for the intake and exhaust.

| Part Number | Description | Quantity |
|--------------------|--|-----------------|
| 11 36 5 B44 E13 | VANOS Bolt (ISA screw M7x21) (forced rounds to 8) | 8* |
| or: | | |
| 11 36 8 602 263 | VANOS Bolt (ISA screw M7x21) (forced rounds to 10) | 8* |

| | | |
|-----------------|---------------------|---|
| 11 12 7 582 245 | Profile Seal | 1 |
| 11 12 7 559 699 | Gasket (VVT Sensor) | 1 |
| 11 12 7 552 280 | Gasket (VVT Motor) | 1 |

Parts List B:

The parts list below is only for vehicles that receive **one** replacement VANOS adjustment unit and VANOS adjustment bolts on the intake or exhaust VANOS adjustment unit.

| Part Number | Description | Quantity |
|-----------------|--|------------------------|
| 11 36 5 B44 E13 | VANOS Bolt (ISA screw M7x21) (forced rounds to 8) | 4* |
| or: | | |
| 11 36 8 602 263 | VANOS Bolt (ISA screw M7x21) (forced rounds to 10) | 4* |
| 11 12 7 582 245 | Profile Seal | 1 |
| 11 36 7 524 954 | Collar Screw | 1 |
| 11 31 7 534 251 | Chain Tensioner Seal Ring | 1 |
| 11 36 7 578 877 | Impulse Sending Wheel | 1 |
| 11 36 7 583 207 | Intake VANOS Adjustment Unit | 1 |
| OR | | |
| 11 36 7 583 208 | Exhaust VANOS Adjustment Unit | 1 |
| 11 12 7 559 699 | Gasket (VVT Sensor) | 1 |
| 11 12 7 552 280 | Gasket (VVT Motor) | 1 |
| 07 11 9 902 900 | Flange nut (battery cable) | Up to 1 (if needed) |

Parts List C:

The parts list below is only for vehicles that receive both intake and exhaust replacement VANOS adjustment units.

| Part Number | Description | Quantity |
|-----------------|-------------------------------|--------------------------|
| 11 12 7 582 245 | Profile Seal | 1 |
| 11 36 7 524 954 | Collar Screw | 2 |
| 11 31 7 534 251 | Chain Tensioner Seal Ring | 1 |
| 11 36 7 578 877 | Impulse Sending Wheel | 2 |
| 11 36 7 583 207 | Intake VANOS Adjustment Unit | 1 |
| 11 36 7 583 208 | Exhaust VANOS Adjustment Unit | 1 |
| 11 12 7 559 699 | Gasket (VVT Sensor) | 1 |
| 11 12 7 552 280 | Gasket (VVT Motor) | 1 |
| 07 11 9 902 900 | Flange nut (battery cable) | Up to 1 (if required) |

Vehicles equipped with the N55 Engine.**Parts List A:**

The parts list below is only for vehicles that receive replacement VANOS adjustment unit bolts for the intake and exhaust.

| Part Number | Description | Quantity |
|-----------------|--|----------|
| 11 36 5 B44 E13 | VANOS Bolt (ISA screw M7x21) (forced rounds to 8) | 8* |
| or: | | |
| 11 36 8 602 263 | VANOS Bolt (ISA screw M7x21) (forced rounds to 10) | 8* |
| 11 12 7 587 804 | Profile Seal | 1 |
| 11 12 7 552 280 | Gasket (VVT motor/sensor) | 1 |

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Parts List B:

The parts list below is only for vehicles that receive one replacement VANOS adjustment unit and VANOS adjustment bolts on the intake or exhaust VANOS adjustment unit.

| Part Number | Description | Quantity |
|-----------------|--|------------------------|
| 11 36 5 B44 E13 | VANOS Bolt (ISA screw M7x21) (forced rounds to 8) | 4* |
| or: | | |
| 11 36 8 602 263 | VANOS Bolt (ISA screw M7x21) (forced rounds to 10) | 4* |
| 11 36 7 524 954 | Collar Screw | 1 |
| 11 12 7 587 804 | Profile Seal | 1 |
| 11 37 7 502 022 | Gasket (VVT motor/sensor) | 1 |
| 11 31 7 534 251 | Chain Tensioner Seal Ring | 1 |
| 11 36 7 578 877 | Impulse Sending Wheel | 1 |
| 11 36 7 583 207 | Intake VANOS Adjustment Unit | 1 |
| or | | |
| 11 36 7 583 208 | Exhaust VANOS Adjustment Unit | 1 |
| 07 11 9 902 900 | Flange nut (battery cable) | Up to 1 (if needed) |

Parts List C:

The parts list below is only for vehicles that receive both intake and exhaust replacement VANOS adjustment units.

| Part Number | Description | Quantity |
|-----------------|-------------------------------|------------------------|
| 11 12 7 587 804 | Profile Seal | 1 |
| 11 36 7 524 954 | Collar Screw | 2 |
| 11 37 7 502 022 | Gasket (VVT motor/sensor) | 1 |
| 11 31 7 534 251 | Chain Tensioner Seal Ring | 1 |
| 11 36 7 578 877 | Impulse Sending Wheel | 2 |
| 11 36 7 583 207 | Intake VANOS Adjustment Unit | 1 |
| 11 36 7 583 208 | Exhaust VANOS Adjustment Unit | 1 |
| 07 11 9 902 900 | Flange nut (battery cable) | Up to 1 (if needed) |

Additionally, other materials and small parts that are not specified above, such as fluids, lubricants, one-time use screws, nuts, and seals, which must be replaced or installed according to the ISTA repair instructions/ETK, must be selected from the Electronic Parts Catalog, or other approved BMW resources, according to the respective vehicle type. Invoiced these items separately under the Repair Code listed in this bulletin.

Additional Work: Removing and Installing the Engine Oil Pan when necessary.

| Part Number | Description | Quantity |
|--------------|------------------------|----------|
| Refer to EPC | Set Oil-Filter Element | 1 |

Bulk Materials -Sublet

| Billing Part Numbers | Description | Quantity* |
|----------------------|---|----------------------|
| 83 21 5 A42 D33 | Engine oil (0W-30 – 209-liter drum) (DN 1/10 Liter) | Sublet as applicable |
| Or: | | |

| | | |
|-----------------|--|----------------------|
| 83 21 5 A42 D39 | Engine oil (0W-30 – Tank Delivery (DN 1/10 Liter) | Sublet as applicable |
| Or: | | |
| 83 21 5 A2A F86 | Engine oil (5W-30 – 209-liter drum) (DN 1 Liter) | Sublet as applicable |
| | | |
| 83 21 5 A2A F99 | Engine oil (0W-30 - 6 x 1 Liter bottle, case) (DN 1 Liter) | Sublet as applicable |
| Or: | | |
| 83 21 5 A2A F83 | Engine oil (5W-30 - 6 x 1 Liter bottle, case) (DN 1 Liter) | Sublet as applicable |

CLAIM INFORMATION

Reimbursement for this Action will be via normal claim entry utilizing the applicable work package information below, and the additional work when required, together with the part numbers listed above that apply.

| | |
|-------------------------|--|
| Plusposition (+) | The vehicle is already in the workshop for another reason and/or repair, identified by the “ (Plusposition) ” reference below. |
| Main work | The vehicle arrives for this Recall, no other Main work will be performed/claimed during this workshop visit, identified by the “ (Main work) ” reference below |
| Associated work | Additional/expanded job/work task(s) that are beyond the scope of the preliminary job/work task (Plusposition or Main) |

Only one Main work flat rate labor operation code can be claimed per workshop visit.

| | | |
|---------------------|-------------------|---|
| Repair Code: | 0011520700 | Ex Fx N51 N52 N55 Replace VANOS adjuster bolting |
|---------------------|-------------------|---|

Below are the special flat rate labor operation code choices for this action.

VANOS Recall Remedy Repair is not necessary.

| Work Pkg | Labor Operation | Description | Labor Allowance |
|---------------------|---|---|------------------------|
| # 1 | 00 75 662 (Plusposition work) | On or after September 1, 2012, the vehicle’s installed engine VANOS units were already taken care of through a: <ul style="list-style-type: none"> • Technical Campaign, or • Another repair (including an installed used engine beyond the scope of this Recall or a “prior repaired” used engine. | 1 FRU |
| Or: | | | |
| # 2 | 00 75 134 (Main work) | On or after September 1, 2012, the vehicle’s installed engine VANOS units were already taken care of through a: <ul style="list-style-type: none"> • Technical Campaign, or • Another repair (including an installed used engine beyond the scope of this Recall or a “prior repaired” used engine. | 1 FRU |
| Or: | | | |
| # 9 (New 7/2024) | 00 76 870 (Plusposition work) | Removing/installing cylinder head cover, the vehicle’s installed engine VANOS units are not affected after check. (This was determined only after removal of the cylinder head cover; no | As applicable |

| | | | |
|----------------------|---------------------------------|--|---------------|
| | | prior engine repair information was available to pre-determine that a repair was not necessary) | |
| Or: | | | |
| # 10 (New 7/2024) | 00 76 243 (Main work) | Removing/installing cylinder head cover, the vehicle's installed engine VANOS units are not affected after check. (This was determined only after removal of the cylinder head cover; no prior engine repair information was available to pre-determine that a repair was not necessary) | As applicable |

Or as applicable:

Recall Remedy VANOS Repair is Necessary and Performed

Note: If while doing this repair it was determined the VANOS bolts are of the new design, and there is no clear supporting claim, or other repair-related documentation available about that prior repair to review, then you must replace the bolts again (See the above and the related statement in the Procedure).

| Work Pkg | Labor Operation | Description | Labor Allowance |
|----------|---|--|-----------------|
| # 3 | 00 75 615 (Plusposition work) | Replace the attachment bolts for the VANOS adjusters | As applicable |
| Or: | | | |
| # 4 | 00 75 091 (Main work) | Replace the attachment bolts for the VANOS adjusters | As applicable |
| Or: | | | |
| # 5 | 00 75 616 (Plusposition work) | Replace a VANOS adjustment unit (one side) and a VANOS adjustment unit screw connection (other side) | As applicable |
| Or: | | | |
| # 6 | 00 75 092 (Main work) | Replace a VANOS adjustment unit (one side) and a VANOS adjustment unit screw connection (other side) | As applicable |
| Or: | | | |
| # 7 | 00 75 617 (Plusposition work) | Replace both VANOS adjusters | As applicable |
| Or: | | | |
| # 8 | 00 75 093 (Main work) | Replace both VANOS adjusters | As applicable |

When applicable:

Additional Work for "WP # 3 to WP # 8"

| Expanded WP ID | Labor Operation | Description | Labor Allowance |
|----------------|-----------------|---|-----------------|
| A | 00 75 663 | Additional work for when emission warning light (MIL) is on | 4 FRU |

And, If also necessary, when

The VANOS Bolt Fragments cannot be found.

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| Expanded WP ID | Labor Operation | Description | Labor Allowance |
|----------------|-----------------|--|-----------------|
| B | 00 75 701 | With the replacement of one or both VANOS adjustment units: Additional work/removing and installing engine oil pan to remove fragments | As applicable |

And, for:

Applicable xDrive (AWD) Vehicles: Additional Work - Wheel Alignment (with 00 75 701)

| Expanded WP ID | Labor Operation | Description | Labor Allowance |
|----------------|--------------------|---|-----------------|
| C | 00 75 724 | Additional work/chassis measurement including adjusting the toe-in/if required according to the repair instructions (AWD) | As applicable |
| | And, if necessary: | | |
| D | 00 75 725 | Additional work for 00 75 724/set rear axle | As applicable |

Claim Repair Comments

Reference the SIB number, the issue (briefly), and the work package (WP) number performed in the technician's RO notes, and in the claim comments (For example: B11 07 23 VANOS Recall WP 5 with A, B), unless otherwise required by State law.

- For Additional Work - A through D: Explain the additional work that was needed to be performed
- For WP #1, #2, #9, and #10: Please explain reason why no repair was required to be performed on the vehicle's installed engine

Sublet – Bulk Materials (RO and Claim Comments Required)

| | | |
|---------------|--|----------------|
| Sublet Code 4 | Reimbursement for the repair-related bulk materials, primarily in conjunction with performing labor operation 00 75 701 (Do not use the BMW part numbers for the claim submission) | Up to \$115.00 |
|---------------|--|----------------|

Sublet reimbursement calculation for claiming the applicable repair-related bulk materials (BMW part numbers) is at the dealer net price amount for the full and/or proportional quantities used plus your center's handling.

Enter this material cost in sublet and itemize the amount claimed on the repair order and in claim comment section.

BMW Group's AIR Application Resource for Flat Rate Labor Operation Codes

To obtain the corresponding flat rate unit (FRU) allowance information from the BMW Group AIR application resource, start by entering the the Chassis Number (last seven (7) characters of the VIN), and click on the "Search" icon. If the "Vehicle Selection" window displays two or more model possible vehicle choices, select the applicable Model, or enter the full VIN (17 characters) instead to proceed. Click on the "Flat Rate Units" button and enter a flat rate labor operation code number "without spaces" in the field to the right, click on the "Search" icon to display the corresponding listing of "Flat rate unit group details" that are available and their corresponding FRU allowances.

Consequential Engine Repair that Qualifies (RO and Claim Comments Required)
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As described in the Correction section above, please explain the reason for this consequential repair work (the why and the what) on the repair order and in the claim comments section.

Alternative Mobility Solution (AMS) for Vehicle Owners (RO and Claim Comments Required)

This Recall qualifies for Alternative Mobility Solution (AMS) expense reimbursement, claim this item under the Repair Code in this bulletin as follows:

- Sublet Code 2 - Itemize the claimed AMS sublet amount on the repair order and in the claim comment section.

Please refer to [SI B01 29 16](#) for additional information.

Reimbursements of Comparable Recall Remedy Prior Customer-Pay Repairs (TREAD Act)

BMW of North America, LLC (BMW NA) will reimburse certain costs for qualifying customer-pay repairs on Affected Vehicles to address the applicable VANOS issues / conditions described in this Service Information Bulletin that were performed **prior** to the release of this Recall.

| Issue / Condition that Required Repair | Correct Repair to be Performed |
|--|--|
| Intake VANOS unit bolts (1) loose/broken | Replace Intake VANOS unit (1) and the Exhaust VANOS unit's Bolts |
| Exhaust VANOS unit (1) bolts loose/broken | Replace exhaust VANOS unit (1) and the intake VANOS unit's Bolts |
| Intake and exhaust (Both) VANOS units bolts loose/broken | Replace Intake and exhaust (Both) VANOS units |

The customer pay repair must primarily be for one of the VANOS repairs listed above, additional repairs (labor/part replacements) beyond the scope of the VANOS recall remedy repairs are excluded. The repair facility 's procedures to address the above situation must have been performed correctly, adequately, and completely, as required by the applicable BMW Group approved repair standards and instructions.

The customer arrives at your workshop with an Affected Vehicle, and a customer-pay RO/invoice for a prior repair.

Open a RO, create a repair order (RO) line Item for the applicable open Recall work package that was performed.

After review and in conjunction with the Recall line item, when it is determined that the prior customer pay repair RO/invoice qualifies and the correct applicable/available repair was performed, create an additional RO line item for the reimbursement and claim it as described below.

Submit for both the completed Recall work package and for the customer-pay prior repair reimbursement.

Or:

The customer only presents your center with a customer-pay invoice for a prior repair

After review, if the vehicle (VIN) and the prior customer-pay repair RO/invoice both qualify:

When it is determined that the prior customer pay repair RO/invoice qualifies and the correct applicable/available repair was performed, open a RO, and create a RO line item for the reimbursement and claim it as described below.

Prior Customer-pay Invoice Review and Reimbursement Submission Procedure

Review and verify that the prior customer-pay RO/invoice (BMW center or by an independent repair shop) contains a repair that was performed to address the issue described in this Recall Service Information Bulletin.

When the prior repair qualifies, reimburse the customer (labor and parts).

Submit for their prior customer-pay repair expense under Repair Code **85 99 00 12 NA** as follows:

- Sublet Code 3
- Dollar amount (with no markup)
- Comment: RECALL 23V-707: REPLACE VANOS ADJUSTMENT UNIT SCREWS - Reimbursement for allowable expenses that relate to performing the prior qualifying customer-pay repair
- Explain the condition and the repair was that was performed
- Explain and itemize the claimed sublet amount on the RO and in the claim comment section

Retain the original customer pay RO/invoice in your files; this documentation may be requested by BMW during the claim review process.

Repairs that do not Qualify for Reimbursement

The diagnosis and repair of issues beyond the scope of the Recall (other unrelated vehicle issues). This exclusion also applies to repairs that were performed using (including those repairs that result from using) non-genuine BMW parts, and/or used BMW passenger car or light truck parts.

When the TREAD Act repair reimbursement claim is submitted as described above, it **will not close** the Open Safety Recall on the vehicle.

FEEDBACK REGARDING THIS BULLETIN

| | |
|--------------------|---|
| Technical Feedback | To submit feedback for the technical topic of this bulletin: Submit your feedback in the rating box at the top of this bulletin |
| Warranty Feedback | To submit feedback for the CLAIMS section of this bulletin: Submit an IDS ticket to the Warranty Department, or use the chat available in the Warranty Documentation Portal |
| Parts Feedback | To submit feedback for the PARTS section of this bulletin: Submit an IDS ticket to the Parts Department |

Supporting Materials

[picture_as_pdf B110923 Attachment 23V-707-VANOS-FAQ-\(23Oct2023\).pdf](#)

[picture_as_pdf B110923 Attachment Recall Notice.pdf](#)

SAFETY RECALL NOTICE

To: All Center Operators, Sales Managers, Service Managers, Parts Managers and Warranty Processors

RE: Recall 23V-707: Replace VANOS Adjustment Unit Screw Connection – B11 09 23

BMW AG is conducting a Voluntary Safety Recall (effective October 23, 2023) on a certain number of Model Year 2010 - 2013 BMW vehicles that were produced between September 2, 2009, and July 12, 2012.

Please be reminded that it is a violation of federal law (The Safety Act) for you to sell, lease or deliver any new motor vehicle covered by this notification until the recall repair has been performed. This means that Centers may not legally deliver new motor vehicles to consumers until they are fixed or use/sell replacement equipment/parts subject to this recall. Note also that substantial civil penalties apply to violations of the Safety Act.

Also, you should not sell, lease or deliver any Certified Pre-Owned or used vehicles subject to a safety recall until the repair is completed.

Please follow any special instructions that we provide to you for the return or disposition of recall parts.

We appreciate all your assistance with this Recall.

Safety Recall
23V-707
VANOS
Model Year 2010-2013
BMW 1 Series, 3 Series, 5 Series
BMW X1, X3, X5, Z4
(Models with inline 6-cylinder engine)
Issue Date: 10/23/2023

Q1. Which BMW Group models in the US are potentially affected by this Safety Recall?

Certain Model Year 2010-2013 BMW 1 Series, 3 Series, 5 Series, X1 SAV, X3 SAV, X5 SAV, and Z4 models in the US are potentially affected. *Please note that these vehicles have been previously covered by a BMW Extended Warranty program.*

Q2. What is the specific issue?

The VANOS assembly (engine) bolts may, over time, loosen, and eventually break. If this occurred, a reduced engine power “safe mode” may be activated. In some cases, the engine may not be able to be restarted after switching off and, in rare cases, the engine could stall which could increase the risk of a crash.

If your vehicle stalls, or if you notice a rough running engine, or unusual engine noise, which may include illumination of the Check Engine (or Service Engine Soon) warning lamp and/or a warning message in the instrument cluster, your vehicle may be experiencing this issue. If this occurs, you should carefully move away from traffic and pull over to a safe location as soon as possible. Do not continue to drive your vehicle. You should immediately contact the nearest authorized BMW center to arrange for pickup and transportation of your vehicle to the BMW center. If you are not the only driver of this vehicle, please advise all other drivers and passengers of this important information.

Q3. Why are other models / vehicles not included in this Safety Recall?

Other models have a VANOS system with a different specification.

Q4. Can I continue to drive my vehicle?

Yes. However, when you are notified by BMW of this Safety Recall, please contact an authorized BMW center to schedule an appointment as soon as possible. For the latest updates to this Safety Recall, please visit bmwusa.com/recall. **If you are not the only driver of this vehicle, please advise all other drivers of this important information.**

Q5. How did BMW Group become aware of the issue?

BMW Group became aware of the issue through its quality control procedures.

Q6. How will I be informed of this Safety Recall?

Owners of potentially affected vehicles will be notified via First Class mail and requested to schedule an appointment with an authorized BMW center to have the remedy performed. Owners can locate their nearest authorized BMW center at bmwusa.com/dealer.

To ensure BMW has the most up-to-date contact and vehicle information, owners should register their vehicle at bmwusa.com/myBMW. Registration is free and will give them access to other information specific for their BMW vehicle. Alternatively, owners can visit bmwusa.com/recall and click on “**Manage recall notices and contact information**”.

Q7. How will my vehicle be remedied?

Potentially affected vehicles will have the VANOS attachment bolts replaced for free which should take about four hours.

Q8. Do I have to wait for BMW to contact me to have the remedy performed?

Yes. We are in the process of implementing this Safety Recall to ensure that the necessary parts, tools, and procedures are available. For the latest updates to this recall, please visit bmwusa.com/recall.