



SIB 11 05 24

2024-08-28

RECALL 24V-588: CHECK EGR COOLER

This Service Information Bulletin (Revision 1) replaces SI B11 05 24 **dated August 2024**.

What's New:

- Cause, Correction, Procedure, Parts Information; Claim Information added

<input type="checkbox"/>	THIS REPAIR IS MOBILE FRIENDLY
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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 if the campaigns have a status of remedy available. Otherwise, please release the vehicle.

MODEL

E-Series	Model Description	Production Date	Engine
G30	540d xDrive Sedan	October 9, 2017 – June 25, 2018	B57O

AFFECTED VEHICLES

Affected vehicles which require this Recall to be completed will show it as “Open” when checked either in AIR, the “Service Menu” of DCSnet (Dealer Communication System), ISPA NEXT or Warranty Vehicle Inquiry.

SITUATION

BMW AG is conducting a Voluntary Safety Recall (effective August 11, 2022) on certain Model Year 2018 BMW 540d xDrive vehicles with a 6-cylinder (“B57O”) diesel engine that were produced between October 9, 2017 and June 25, 2018.

Over time, the Exhaust Gas Recirculation (EGR) system’s cooler could internally leak cooling fluid. If the fluid combines with diesel engine soot particles, this could damage the engine intake manifold, and increase the risk of a fire.

CAUSE

As part of the previous technical campaign noted below for the exhaust gas recirculation cooler, an exhaust gas recirculation cooler with an old build level may have been installed on these vehicles.

CORRECTION

Inspect the installed EGR cooler’s “index number,” and if necessary, replace the EGR cooler.

Prior Recall 22V-614: Exhaust Gas Recirculation (EGR) Cooler (00 11 69 06 00)

SI B11 02 22 for the prior recall’s remedy repair was released October 10, 2022.

The earliest claim submission “repair date” for the above prior Recall action was October 11, 2022. The corresponding expiration date of the related BMW 2-year Parts Warranty coverage is October 10, 2024.

PROCEDURE

Using a borescope, access the label* on the EGR cooler. Note the production date, index number and serial number of the EGR cooler.



- Production date (1); format YY-MM-DD
- Serial Number (2)
- Index number (3)

*Label is only for reference.

If the index number is 20 or higher: There is no need to replace the EGR cooler. The inspected cooler (in the car) will still need to be registered with ISTA.

Using the following path in ISTA:

- Vehicle Management/Troubleshooting/Function Structure:
 - Powertrain
 - Digital Diesel Electronics
 - Exhaust gas retreatment
 - Component marking of exhaust-gas recirculation cooler
 - ***ABL Component marking of exhaust-gas recirculation cooler***

Follow the test steps to register the EGR cooler (numbers taken off new cooler).

If the index number is below 20:

1. Replace the EGR cooler and clean the EGR intake pipe.
2. Perform an air intake system integrity test through ISTA and based off the results of the test plan, replace the intake manifold (if test failed).
3. Register the new EGR cooler through ISTA.

See attachment B11 05 24 Replace EGR Cooler.

PARTS INFORMATION

Only use and invoice the part numbers below that apply.

Part Number	Description	Quantity
11 71 8 570 655	Exhaust gas cooler high temperature	1
11 62 8 576 287	Metal seal for exhaust-gas recirculation cooler	1
11 71 2 249 909	Torx screw for exhaust-gas recirculation cooler	2
11 61 8 579 881	Metal gasket	1
07 14 9 390 155	Hex bolt with washer (M8x28-10.9-ZNS3)	2
51 71 6 966 566	Hexagon screw with flange (M10x45)	2
07 14 9 886 429	Torx screw with bush for exhaust-gas recirculation cooler	3
13 71 8 473 144	O-ring (on clean air pipe)	1
11 12 8 598 599	O-ring (on the cylinder head cover)	1
13 71 8 652 852	O-ring (on clean air pipe)	1

Part Number	Description	Quantity
82 14 1 467 704	BMW Antifreeze/Coolant (G30 – 1.5 gallons, DN = 1 gallon concentrate)	Supported sublet up to \$35 as needed

Intake Manifold (if required)

Part Number	Description	Quantity
11 61 8 477 030	Intake pipe with air flap control	1
13 62 8 637 896	Boost pressure sensor	1

CLAIM INFORMATION

Reimbursement for this Recall will be via normal claim entry utilizing the work package information below that applies, and when required, the part numbers listed above that apply.

Plusposition (+)	The vehicle is already in the workshop
Main work	The vehicle arrives for this Recall, no other Main work will be performed/claimed during this workshop visit

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

Repair Code:	0011790700	G30 B57O Check and, if necessary, replace exhaust gas recirculation cooler
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The Installed Part Variant is OK

Work Pkg (WP)	Labor Operation	Description	Labor Allowance
# 1	00 76 946	Check exhaust gas recirculation cooler (installed variant is OK) including entry of the part in the diagnosis system (No repair is necessary) (Plusposition)	6 FRU
Or:			
# 2	00 76 306	Check exhaust gas recirculation cooler (installed variant is OK) including entry of the part in the diagnosis system (No repair is necessary) (Main work)	7 FRU

Or:

The Installed Part Variant is NOT OK

Work Pkg (WP)	Labor Operation	Description	Labor Allowance
# 3	00 76 947	Check and replace the exhaust gas recirculation cooler (installed version is not OK) (Plusposition)	40 FRU
Or:			
# 4	00 76 307	Check and replace the exhaust gas recirculation cooler (installed version is not OK) (Main work)	42 FRU

And, as applicable:

Additional Work in conjunction with Labor Operation Code 00 76 947 (WP 3) or 00 76 307 (WP 4)
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Extended WP	Labor Operation	Description (Associated work)	Labor Allowance
A	00 76 948	Carrying out the additional work of a functional check of the pressure sensor	3 FRU
B	00 76 949	Additional work for entering the part designation from the new exhaust gas recirculation cooler in the tester	1 FRU
C	00 76 950	Additional work: Clean exhaust gas recirculation pipe, including the temperature sensor mounted inside it	6 FRU
D	00 76 951	Additional work, replacing the intake system	16 FRU

Or:

Work Pkg (WP)	Labor Operation	Description	Labor Allowance
# 5	00 76 952	Vehicle was already taken care of through another repair or Technical Campaign (Plusposition)	1 FRU
Or:			
# 6	00 76 308	Vehicle was already taken care of through another repair or Technical Campaign (Main work)	1 FRU

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

Claim Repair Comments

Only reference the SIB number and the work package (Pkg) number performed in the technician’s RO notes and in the claim comments (For example: B11 05 24 WP 1, A, B, D), unless otherwise required by State law.

When applicable, explain the additional work that was performed.

Sublet – Bulk Supply Materials (RO and Claim Comments Required)

Sublet Code 4	Reimbursement for the repair-related bulk supply material (Do not use the BMW part number for claim submission)	Up to \$35.00
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Sublet reimbursement calculation for claiming the applicable repair-related bulk supply 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 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 Chassis Number (the last seven (7) characters of the VIN, select the applicable Model if two or more vehicle choices show), or enter the full VIN (17 characters), click on the “Search” button. Next, click on the “Flat Rate Units” button and enter the flat rate labor operation code in the field to the right, click “Search” to display the Flat Rate Unit Group detail choices.

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

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

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

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

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

See the Correction section above for additional information regarding the prior Recall.

Based on the when the prior Recall remedy repair was released, performed, and together with the active BMW Parts Warranty coverage that currently applies to all these Affected Vehicles, a reimbursement request for a qualifying prior customer-pay repair is not likely. However, a customer may still request the review of a repair that was performed on their vehicle which they paid for.

A qualifying customer pay repair, performed **prior** to the notification of Recall, must be comparable to the Recall's remedy repair, and it must primarily address the Service Information Bulletin's identified vehicle issue (Situation/Cause) which requires repair (Correction) as noted above. Also, the repair must have been correctly, effectively, and completely performed as required by the applicable BMW Group approved repair process instructions, guidelines (Procedure) including replacement part usage (Parts Information when applicable) for it to be considered and approved for reimbursement.

In the event of the above situation, please contact the Warranty department (include a legible copy of the invoice) through IDS by selecting Coverage, Policy, Coding Questions and Mileage Corrections. The Warranty department will respond to your inquiry accordingly.

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 B11 05 24 Replace EGR Cooler.pdf](#)

[picture_as_pdf B110524 Recall Notice.pdf](#)

[picture_as_pdf B110524 24V-588-G30d-EGR-FAQ-\(07Aug2024\)_\(2\).pdf](#)

RECALL 24V-588: CHECK EGR COOLER

PROCEDURE 1: REPLACE THE EGR COOLER (INDEX LOWER THAN 20)



Record or take a photo of the following numbers on the new EGR cooler (1, 2 and 3). These numbers will be required later to register the new cooler in ISTA.

1. Production date [YY-MM-DD]
2. Revision index
3. Serial number

NOTE: There are additional steps required while following the repair instruction

Replace the EGR cooler following Repair Instruction **11 71 100 Removing and installing/renewing exhaust-gas recirculation cooler.**

- When the old EGR cooler is removed:



- Remove the EGR pipe from the intake venturi pipe (1)

- Inspect and clean (if needed) the EGR pipe. Wear protective equipment (eyes and hands) and clean out the excessive carbon using a degreasing agent and a brush (suitable brushes can be found in wheel brush kit 83 19 2 298 237).
- Reinstall the EGR pipe with new gasket and O-ring before installing the new EGR cooler
- Install the new EGR cooler following the repair instructions

PROCEDURE 2: CHECKING THE INTAKE MANIFOLD

Perform a vehicle test using ISTA.

Using the following path, check the intake manifold:

- Vehicle Management/Troubleshooting/Function Structure:
 - Powertrain
 - Digital Diesel Electronics
 - Air Mass System
 - Charging Pressure Control
 - Charge Air Pressure Sensor
 - ***ABL Boost Pressure Sensor***

Follow the test steps to perform a functional test of the boost pressure sensor.

Replace the intake manifold if the test results in “The measured values were not OK”. Follow Repair Instruction **11 61 051 Replace intake plenum**.

No further repairs are required if the test results in “The measured values were OK”.

PROCEDURE 3: REGISTERING THE NEW EGR COOLER

Using the following path in ISTA:

- Vehicle Management/Troubleshooting/Function Structure:
 - Powertrain
 - Digital Diesel Electronics
 - Exhaust gas retreatment
 - Component marking of exhaust-gas recirculation cooler
 - ***ABL Component marking of exhaust-gas recirculation cooler***

Follow the test steps to register the EGR cooler (numbers taken off new cooler)

SAFETY RECALL NOTICE

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

RE: Recall 24V-588: Check EGR Cooler – B11 05 24

BMW AG is conducting a Voluntary Safety Recall (effective August 7, 2024) on a small number of Model Year 2018 BMW vehicles that were produced between October 9, 2017, and June 18, 2018.

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
24V-588
EGR Cooler
Model Year 2018
BMW 540d xDrive
(Diesel Engines (6-cyl. – B57O))
Issue Date: 08/07/2024

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

Certain Model Year 2018 BMW 540d xDrive vehicles with a 6-cylinder (“B57O”) diesel engine in the US are potentially affected.

Q2. What is the specific issue?

The issue involves the Exhaust Gas Recirculation (EGR) system which contains an integrated cooling component (“Cooler”). Over time, a leak of cooling fluid (glycol), could develop in the EGR Cooler. If cooling fluid leaks in the EGR Cooler, and combines with typical diesel engine soot deposits while the temperature is high (which is normal), this could create smoldering particles. In very rare cases, these particles could contact the engine intake manifold and cause damage by creating small holes in the manifold due to melting. In extremely rare cases, due to the holes in the manifold, this could increase the risk of a fire.

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

Other models were manufactured with a different engine configuration.

Q4. Can I continue to drive my vehicle?

Yes. However, when you are notified by BMW of this Safety Recall that a remedy is available, 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 become aware of the issue?

BMW 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 advising them of this Safety Recall and to schedule an appointment with an authorized BMW center as soon as possible to have the remedy performed. To locate your nearest authorized BMW center, please visit 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?

The EGR module will be inspected and, if necessary, replaced for free which should take about one hour.

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

No. Please contact an authorized BMW center as soon as possible to have the remedy performed. To locate your nearest authorized BMW center, please visit bmwusa.com/dealer.