



## SIB 34 02 24

### RECALL 24V-104: INTEGRATED BRAKING SYSTEM

2026-01-09

This Service Information Bulletin (Revision 16) replaces SI B34 02 24 **dated October 2025**.

#### What's New:

- Parts Information updated

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

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
F95	X5 M Sports Activity Vehicle
F96	X6 M Sports Activity Coupe
G05	X5 Sports Activity Vehicle
G06	X6 Sports Activity Coupe
G07	X7 Sports Activity Vehicle
G09	BMW XM Sports Activity Vehicle
G60	5 Series Sedan & i5 Sedan
G70	7 Series Sedan & i7 Sedan
U10	X2 Sports Activity Coupe
U11	X1 Sports Activity Vehicle

#### 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 August 9, 2024, you can see a list of affected vehicles in Inventory Campaign Details (ICD) under ROSS.

Vehicles which previously had the Integrated Brake Module replaced according to B34 04 23 need to have the re-work performed again in accordance with the updated part numbers and procedure in this bulletin.

If the Integrate Brake Module has already been replaced with the updated part numbers and procedure in this bulletin, by either another Repair or Technical Action; it does not need to be replaced again. You may close out the open recall by submitting a claim using the labor operation listed in the Claim Information section of this bulletin for “IB Repair Completed by another Repair or Technical Action”.

#### SITUATION

BMW AG is amending Voluntary Safety Recall (effective August 8, 2024) to add certain Model Year 2023 - 2025 BMW vehicles.

The Integrated Brake (IB) module may not function according to specifications. If this happens, a warning lamp and message will be displayed in the instrument cluster. There will be a reduction in power assist braking, which could lead to an extended stopping distance and increase the risk of a crash. The Antilock

Brake System (ABS) and Dynamic Stability Control (DSC) system may also not function, which could affect vehicle handling and control. Please note that higher pedal force may be required.

The Recall Notice and FAQ have been attached for further information.

**Important:** For vehicles which received the In-Car/In-App Communication message, refer to [SI B34 05 24](#) to claim the Defect Code in conjunction with the work performed in [SI B34 02 24](#). This will remove the daily In-Car/In-App communications to the customer for this recall.

## CAUSE

Certain vehicles could experience signal disturbances in the Integrated Brake (IB) module.

## CORRECTION

Replace the IB with either a “wet” pre-filled unit or a “dry” unfilled unit.



**“Wet” IB pre-filled:** Brake fluid reservoir is filled (arrow) and brake fluid line ports are plugged with bolts (circled).

Part numbers:

5B67B85  
5B6E463  
5B6E465  
5B6E467  
5B69D61  
5B69D63  
5B69D65  
5B72715  
5B72716  
5B6F947  
5B6F943  
5B77C55  
5B77C23  
5B77C24  
5B77C25  
5B77C29



**“Dry” IB unfilled:** Brake fluid reservoir is empty; brake fluid line ports are sealed with labels.

Part numbers:

5B3C874  
5B3C857  
5B421D0  
5B3C859  
5B6C7F1  
5B6C7F2  
5B6C7F3  
5B6C7F5  
5B6A736

**Note:** Additional work is necessary to install these “Dry” units. Refer to the Claim Information section.

## PROCEDURE

Repair Procedures **REP 34 51 601** – “Replacing Hydraulic Unit” and **REP 34 51 602** – “Replacing the Hydraulic Unit (Not Filled)” have been updated with a new procedure. Please make sure to review the FULL replacement procedure **BEFORE** beginning any work on the IB.

Please note that part of the new replacement procedure is to verify the vehicle is at or above I-Level ...24-11-530 before IB replacement. This software level modifies the Mileage Storage process in the vehicle and eliminates the chance of mileage discrepancy due to IB replacement.

If a vehicle is programmed to I-level ...24-11-530 or higher BEFORE replacement of the IB, then the vehicle will need to be cycled to a “Driving” state and back to a “Residing” state **BEFORE** the IB is replaced. This will trigger the mileage sync with the new software. If this step is **NOT** performed before IB replacement, the mileage value may be inaccurate after IB replacement.

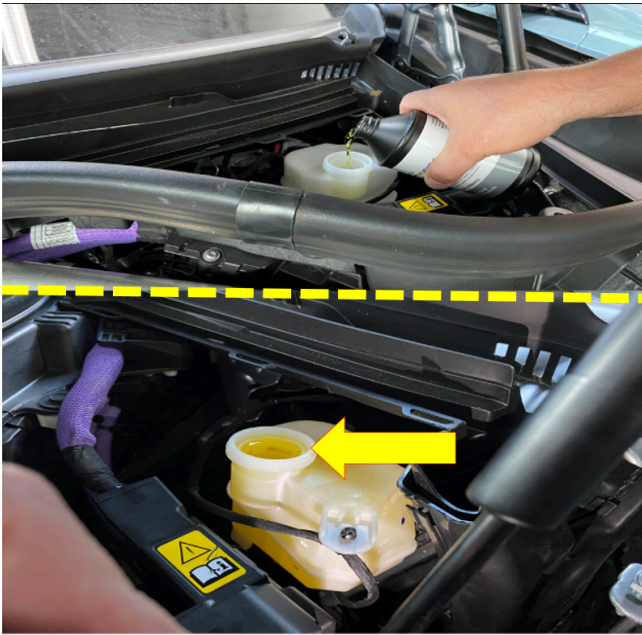
### **Note:**

- “Driving” state can be achieved with internal combustion engine (ICE) vehicles by starting the engine. In BEV or PHEV vehicles, “Driving” state is achieved pressing the “Start/Stop” button while pressing the brake pedal. The “Ready” indicator will show in the cluster when “Driving” state is achieved.
- Test plan **ABL-WAR-AS3450\_IB70\_KM** – “Display Persistent Odometer Reading” is no longer required due to the updated repair procedures
- The attachments for “Wet IB” and “Dry IB” from Revision 6 are no longer needed
- Prior to installation, the Integrated Brake Modules should be inspected for damage upon arrival. Light scratches are acceptable, but if the aluminum cover is dented or bent, ~~if damage is found~~, please send photos in a Recall IDS Ticket for review prior to entering a claim. If approved, please claim in accordance with the Dealer Services Return and Claims Manual.
  - For further information regarding IB parts updates, follow the link [Integrated Brake System Recall's Flowpage](#)



Do not install any part which shows visual damage as shown, or has been dropped from any height.

If you have received a “wet” unit, follow the REP34 51 601 Replacing hydraulic unit.



If you have received a “**dry**” unit, follow the REP 34 51 602 Replacing the hydraulic unit (not filled).

**Important:**

**Prior to activating the high-voltage or low-voltage electrical system as per the REP instructions, manually fill the brake fluid reservoir to just below the rim of the filler, above the “MAX” mark.**

**Reinstall the fluid reservoir cap and continue REP procedures**

**Failure to fill prior to battery connection may result in extended or additional bleeding procedures**

**Important Warning for Working on the High-Voltage (HV) systems on BMW Group vehicles:**

**Only properly trained personnel, who passed all applicable HV Technical Training Courses, should perform repairs which require disconnecting, or removal of High Voltage battery components on any Hybrid or Electric Vehicle. Work performed on High Voltage systems by unqualified persons may result in severe injury or damage to the vehicle. Additional safety information is found in Repair Instruction 61 00... “Observe safety instructions when handling electric vehicles”.**

**Prior to disconnecting, or the removal of any HV component, the HV system needs to be disabled and secured (by means of the HV Service Disconnect Switch and lock out) by a properly trained HV technician, who has a minimum HV Qualification level after completing the Technical Training Course “ST2324 High Voltage Drivetrain Systems” which as of 1/2023\* includes ST1824 Alternative Drive Part 1.**

**\* Note: As of January 2023, the HV component portion of the “ST2205 Generation 5 High-voltage class” (except for the High Voltage Battery) has been merged into “ST2324 High Voltage Drivetrain Systems”.**

**Up to Generation 4 Vehicles- Once vehicle’s HV system is disabled (the “Blitz” - lightning bolt icon is displayed in instrument cluster, see below), a technician without HV Certification may remove a HV component (e.g., EH Heater, EKK Compressor, EME Control Unit, et.), except for the High Voltage Battery.**

**For Generation 5 Vehicles however, the specific vehicle training is required to diagnose, remove and service any HV component and it is NOT allowed for non HV certified technicians to work on the high voltage system.**



**High Voltage Battery removal and rework can ONLY be performed by a High-voltage Certified Technician with a HV Battery Certification level corresponding to a specific Electric or Hybrid vehicle, for example:**

**To repair GEN4 HV battery of G05 PHEV a certification from Technical Training Course “ST2006 – SP44 HV Battery” or equivalent ST1825 – Alternative Drive Part 2 is required (or as of 1/2023 the equivalent “ST 2325 for High Voltage Battery Systems”).**

**And**

**To repair A GEN5 HV battery the Technical Training Course “ST2205 Generation 5 High-voltage class” is required or as of 1/2023\* the equivalent “ST 2325 for High Voltage Battery Systems”.**

**\*Note: As of January 2023, the “ST2205 Generation 5 High-voltage stand-alone class” has been merged into “ST2324 for High Voltage Drivetrain Systems” and “ST2325 for High Voltage Battery Systems”**

## **PARTS INFORMATION**

**Use and invoice the applicable part numbers below.**

**YOCV Campaign ordering is no longer required for these parts. Please refer to the FlowCode for further information.**

<b>Series</b>	<b>Part Numbers</b>	<b>Description</b>	<b>Quantity</b>
U10, U11	34 50 5B67B85	Power brake (WET unit)	1
		OR	
	34 50 5B3C874	Power brake (DRY unit)	1
		OR	
	34 50 5B72715	Power brake (WET unit)	1
		OR	
	34 50 5B72716	Power brake (WET unit)	1
		OR	
	34 50 5B6C7F1	Power brake (DRY unit)	1
		OR	
	34 50 5B6A736	Power brake (DRY unit)	1
		OR	
	34 50 5B77C55	Power brake (WET unit)	1
	34 50 5A59585	Brake booster seal	1
	07 11 9905374	Self-locking collar nut	2
07 11 9904670	Self-locking collar nut	1	
07 11 9905147	Hexagonal screw with disc	1	
F95, F96, G05, G06, G07, G09	34 50 5B69D63	Power brake (WET unit)	1
		OR	
	34 50 5B6E467	Power brake (WET unit)	1
		OR	
	34 50 5B6F947	Power brake (WET unit)	1
		OR	
	34 50 5B421D0	Power brake (DRY unit)	1
		OR	
	34 50 5B6C7F5	Power brake (DRY unit)	1
		OR	
34 50 5B77C29	Power brake (WET unit)	1	
	OR		
34 51 6893390	Brake booster seal	1	
07 14 6890655	Self-locking collar nut	2	
G60	34 50 5B69D61	Power brake (WET unit)	1

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	34 50 5B3C859	Power brake (DRY unit)	1
	OR		
	34 50 5B6C7F3	Power brake (DRY unit)	1
	OR		
	34 50 5B6E465	Power brake (WET unit)	1
	OR		
	34 50 5B77C24	Power brake (WET unit)	1
	OR		
	34 50 5B77C25	Power brake (WET unit)	1
	34 51 6893390	Brake booster seal	1
	07 11 9904295	Self-locking collar nut	2
	71 24 5A54A84	Sign (aka label) brake fluid	1
	51 71 6966566	Hexagonal screw with flange	Up to 4 Depending on type of strut brace
	51 64 8076922	Hexagonal screw with disc	Up to 4 Depending on type of strut brace
G70	34 50 5B69D65	Power brake (WET unit)	1
	OR		
	34 50 5B6E463	Power brake (WET unit)	1
	OR		
	34 50 5B3C857	Power brake (DRY unit)	1
	OR		
	34 50 5B6C7F2	Power brake (DRY unit)	1
	OR		
	34 50 5B6F943	Power brake (WET unit)	1
	OR		
	34 50 5B77C23	Power brake (WET unit)	1
	34 51 6893390	Brake booster seal	1
	07 11 9904295	Self-locking collar nut	2
	71 24 5A54A84	Sign (aka label) brake fluid	1
51 71 6966566	Hexagonal screw with flange	Up to 4 depending on type of strut brace	
51 64 8076922	Hexagonal screw with disc	Up to 4 depending on type of strut brace	

**Sublet – Bulk Supply Materials**

Part Number	Description	Quantity
81 22 0142156	Brake fluid DOT 4 (DN = 12 oz bottle)	Sublet as needed
Or:		
81 22 0142155	Brake fluid DOT 4 (DN = 1 Gallon)	Sublet as needed
And:		
81 22 5B43922	Brake fluid DOT 4, LV (DN = 1/10-liter billing part number, only in conjunction with dispersing from the 30-liter drum with a separate ordering part number)	Sublet as needed

83 19 5A53089	BMW Group Non-Chlorinated Brake Parts Cleaner- 3% VOC - (DN = 15 oz)	Sublet as needed
Or:		
83 19 2451315	BMW Group Non-Chlorinated Brake Parts Cleaner - 45% VOC - (DN = 15 oz)	Sublet as needed

## CLAIM INFORMATION

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

**Important:** For vehicles which received the In-Car/In-App Communication message, refer to [SI B34 05 24](#) to claim the Defect Code in conjunction with the work performed in SI B34 02 24. This will remove the daily In-Car/In-App communications to the customer for this recall.

<b>Plusposition (+)</b>	Completion before the first vehicle delivery to a customer (New in-stock/No in-service date), or the vehicle is already in the workshop for another reason and/or repair, identified by the “ <b>(Plusposition)</b> ” reference in the descriptions below.
<b>Main work</b>	The vehicle arrives for this Recall, no other Main work will be performed/claimed during this workshop visit, identified by the “ <b>(Main work)</b> ” reference in the descriptions below

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

<b>Repair Code:</b>	<b>0034860200</b>	<b>Fx Gx Ux Replacing integrated braking system</b>
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Below are the special flat rate labor operation code choices for this action.

### IB Replacement with Vehicle Programming and Encoding

Work Package	Labor Operation	Description	Labor Allowance
# 1	00 77 599	Replace integrated brake system, program, and encode the vehicle control units, includes Carrying out vehicle test <b>(00 00 556/61 21 528) (Plusposition)</b>	As applicable
Or:			
# 2	00 77 067	Replace integrated brake system, program, and encode the vehicle control units, includes Carrying out vehicle test <b>(00 00 006/61 21 528) (Main work)</b>	As applicable
As applicable:			
Expanded WP A	00 77 604	Additional work, brake bleeding procedure (for installation of an “Dry: unfilled IB)	2 FRU
Expanded WP B	N/A	No longer applies	N/A
Expanded WP C	N/A	See Expanded WP G	N/A
Expanded WP D	N/A	See Expanded WP E or F	N/A
And, if required:			
Expanded WP E	00 77 639	Additional work programming vehicle (before replacing integrated braking	5 FRU

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		system to bring the vehicle to the required minimum i-level)	
Or, if this applies:			
Expanded WP F	00 77 863	Remote Software Upgrade (RSU) Status - Ready to be Installed.	2 FRU
And, if required:			
Expanded WP G	00 77 831	Additional work for odometer (activate drive-ready state)	1 FRU

Or:

**IB Replacement, Vehicle Programming and Encoding is included in another Repair.**

Work Package	Labor Operation	Description	Labor Allowance
# 1	00 77 600	Replace integrated brake system, program, and encode the vehicle control units, includes Carrying out vehicle test <b>(00 00 556/61 21 528) (Plusposition)</b>	As applicable
Or:			
# 2	00 77 068	Replace integrated brake system, program, and encode the vehicle control units, includes Carrying out vehicle test <b>(00 00 006/61 21 528) (Main work)</b>	As applicable
As applicable:			
Expanded WP A	00 77 604	Additional work, brake bleeding procedure (for installation of an “Dry: unfilled IB)	2 FRU
Expanded WP B	N/A	No longer applies	N/A
Expanded WP C	N/A	See Expanded WP G	N/A
Expanded WP D	N/A	See Expanded WP E or F	N/A
And, if required:			
Expanded WP E	00 77 639	Additional work programming vehicle (before replacing integrated braking system to bring the vehicle to the required minimum i-level)	5 FRU
Or, if this applies:			
Expanded WP F	00 77 863	Remote Software Upgrade (RSU) Status - Ready to be Installed.	2 FRU
And, if required:			
Expanded WP G	00 77 831	Additional work for odometer (activate drive-ready state)	1 FRU

**Vehicle Programming and Encoding Required after Part Replacement**

During this workshop visit, the affected vehicle may also show one or more programming and encoding Technical Campaign repairs open, the programming and encoding procedure may only be invoiced one time.

**After replacing the integrated brake (IB) system module, select this open Technical Campaign to also perform and submit for updating the vehicle to the required I-level or higher instead when applicable (this includes 00 00 006 or 00 00 556, 01 01 528, 01 01 00 722)**

Please be sure to also perform any additional before and/or after work (including attaching labels) as required by the open campaigns on the vehicle. Close any other open programming and encoding Campaign repairs as outlined in the corresponding Service Information Bulletin.

Or:

### IB Repair Completed by another Repair or Technical Action

Work Package	Labor Operation	Description	Labor Allowance
# 5	00 77 605	The vehicle has already been completed by another repair or technical action ( <b>Plusposition</b> )	1 FRU
Or:			
# 6	00 77 071	The vehicle has already been completed by another repair or technical action ( <b>Main work</b> )	1 FRU

### 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: B34 02 24 IB Rplmt WP1, F), unless otherwise required by State law.

Also, identify and explain when the "Dry" unit additional work, and what other additional work was required and performed.

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

<b>Sublet Code 4</b>	Reimbursement for the repair-related bulk supply materials (Do not use the BMW part numbers for claim submission)	Up to \$50.00
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Sublet reimbursement calculation for claiming the applicable repair-related bulk supply material (BMW part number) is at the dealer net (DN) price for the full or proportional quantity 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 (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.

### Vehicle Programming and Encoding – Additional Work (RO and Claim Comments Required)

This procedure automatically reprograms and encodes any vehicle control modules that do not have the latest software I-level.

If one or more control modules fail during the reprogramming procedure, claim the required consequential repair work procedures to address this issue (including performing the IRAP Control Unit Recovery first as required, refer to the SIB in AIR) 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.

Please explain the additional work procedures that were performed (The why and the what) on the repair order and in the claim comments.

For covered repairs that address control module failures that occurred prior to performing this reprogramming procedure, claim this work with the applicable Repair Code listed in AIR together with the corresponding labor operation codes and their flat rate unit (FRU) allowance(s), including the diagnosis\* that applies.

(\* ) Based on which one applies to your center, please refer to **SI B01 01 20** or **B01 07 20** for the applicable procedure for documenting, claiming, and explaining, on the RO and in the claim comments, your diagnosis work time (WT), job/repair work time (WT), and the vehicle repairs your center performed, unless otherwise required by State law.

**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)**

The Safety Recall remedy repair for this action is to replace the Affected Vehicle’s power brake unit (Integrated Brake IB module) together with performing the required follow-up vehicle programming and encoding procedure.

Based on the age of the Affected Vehicles and the type of remedy repair being performed, 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 and guidelines (Procedure) including required replacement part usage (Parts Information) 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 B340224 Recall Notice \(1\).pdf](#)
- [picture\\_as\\_pdf B340224\\_24V-104-IB-BMW-FAQ-\(09Aug2024\)\\_ \(1\).pdf](#)



## **SAFETY RECALL NOTICE**

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

RE: Recall 24V-104: Integrated Braking System – B34 02 24

BMW AG is amending Voluntary Safety Recall (effective August 8, 2024) to add certain Model Year 2023 - 2025 BMW vehicles.

**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-104**  
**Integrated Brake (IB)**  
**Model Year 2023-2025**  
**BMW 5 Series / i5, 7 Series / i7**  
**BMW X1, X5, X6, X7, XM**  
**Issue Date: 02/22/2024**  
**Update Date: 08/09/2024**

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

Certain Model Year 2023-2025 BMW 5 Series / i5, 7 Series / i7, X1, X5, X6, X7, and XM models in the US are potentially affected.

**Q1a. This sounds familiar. Was there an earlier Safety Recall on this topic?**

Yes. The Safety Recall has been expanded to include additional potentially affected vehicles.

**Q1b. I had the Integrated Brake (IB) module replaced on my vehicle as part of the earlier Safety Recall. Is my vehicle affected again? Do I need to have that IB replaced?**

Yes. Unfortunately, it has been determined that vehicles which have already received replacement parts during the original Safety Recall need to have those parts replaced.

**Q2. What is the specific issue?**

The Integrated Brake (IB) module may not function according to specifications. If this happens, a warning lamp and message will be displayed in the instrument cluster. There will be a reduction in power assist braking, which could lead to an extended stopping distance and increase the risk of a crash. The Antilock Brake System (ABS) and Dynamic Stability Control (DSC) system may also not function, which could affect vehicle handling and control. Please note that higher pedal force may be required.

*However, fully mechanical braking is not affected. If the IB module is not functioning properly, the parking (emergency) brake will be automatically activated to aid in braking performance. Also, the emergency function of the brake force distribution system remains available to help maintain vehicle stability and control.*

**If you notice any of these conditions, your vehicle may be experiencing this issue. Please drive carefully, and avoid abrupt braking as much as possible. Please contact an authorized BMW center as soon as possible to have the vehicle remedied.**

**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 an Integrated Brake (IB) system that was produced to specifications by the supplier.

**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](https://www.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 advising them of this Safety Recall. When parts become available, they will receive another letter, requesting that they schedule an appointment with an authorized BMW center as soon as possible to have this Safety Recall performed. For the latest updates to this Safety Recall, please visit [bmwusa.com/recall](https://www.bmwusa.com/recall).

To ensure BMW has the most up-to-date contact and vehicle information, owners should register their vehicle at [bmwusa.com/myBMW](https://www.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](https://www.bmwusa.com/recall) and click on “**Manage recall notices and contact information**”.

**Safety Recall  
24V-104  
Integrated Brake (IB)  
Model Year 2023-2025  
BMW 5 Series / i5, 7 Series / i7  
BMW X1, X5, X6, X7, XM  
Issue Date: 02/22/2024  
Update Date: 08/09/2024**

**Q7. How will my vehicle be remedied?**

When the remedy is available, potentially affected vehicles will have the Integrated Brake (IB) system replaced for free which should take several 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](https://www.bmwusa.com/recall).



SIM 34 01 24

RECALL 24V-104: INTEGRATED BRAKING SYSTEM (IB)  
2026-01-09

This Service Information Bulletin (Revision 14) replaces SI M34 01 24 **dated August 2025**.

**What's New:**

- Parts Information updated

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

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
F65	MINI Cooper S Hardtop 4 Door
F66	MINI Cooper S Hardtop 2 Door
U25	MINI Countryman

**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 August 9, 2024, you can see a list of affected vehicles in Inventory Campaign Details (ICD) under ROSS.

If the Integrate Brake Module has already been replaced with the updated part numbers and procedure in this bulletin, by either another Repair or Technical Action; it does not need to be replaced again. You may close out the open recall by submitting a claim using the labor operation listed in the Claim Information section of this bulletin for “IB Repair Completed by another Repair or Technical Action”.

**SITUATION**

BMW AG is amending Voluntary Safety Recall (effective August 8, 2024) to add certain Model Year 2023 - 2025 MINI vehicles.

The Integrated Brake (IB) module may not function according to specifications. If this happens, a warning lamp and message will be displayed in the instrument cluster. There will be a reduction in power assist braking, which could lead to an extended stopping distance and increase the risk of a crash. The Antilock Brake System (ABS) and Dynamic Stability Control (DSC) system may also not function, which could affect vehicle handling and control. Please note that higher pedal force may be required.

The Recall Notice and FAQ have been attached for further information.

**Important:** For vehicle which received the In-Car/In-App Communication message, refer to SI M34 03 24 to claim the Repair Code in conjunction with the work performed in this SI M34 01 24, as this will remove the daily In-Car/In-App communications to the customer for this recall.

## CAUSE

Certain vehicles could experience signal disturbances in the Integrated Brake (IB) module.

## CORRECTION

Replace the IB with either a “wet” pre-filled unit or a “dry” unfilled unit.



**“Wet” IB pre-filled:** Brake fluid reservoir is filled (arrow) and brake fluid line ports are plugged with bolts (circled)

5B67B85  
5B72715  
5B72716  
5B6A736  
5B77C55



**“Dry” IB unfilled:** Brake fluid reservoir is empty; brake fluid line ports are sealed with labels.

Part numbers:  
5B3C874  
5B6C7F1

**Note:** Additional work is necessary to install these “Dry” units, refer to the Claim Information section.

## PROCEDURE

Repair Procedures **REP 34 51 601** – “Replacing Hydraulic Unit” and **REP 34 51 602** – “Replacing the Hydraulic Unit (Not Filled)” have been updated with a new procedure. Please make sure to review the FULL replacement procedure **BEFORE** beginning any work on the IB.

Please note that part of the new replacement procedure is to verify the vehicle is at or above I-Level ...24-11-530 before IB replacement. This software level modifies the Mileage Storage process in the vehicle and eliminates the chance of mileage discrepancy due to IB replacement.

If a vehicle is programmed to I-level ...24-11-530 or higher **BEFORE** replacement of the IB, then the vehicle will need to be cycled to a “Driving” state and back to a “Residing” state **BEFORE** the IB is replaced. This will trigger the mileage sync with the new software. If this step is **NOT** performed before IB replacement, the mileage value may be inaccurate after IB replacement.

### Note:

- “Driving” state can be achieved with internal combustion engine (ICE) vehicles by starting the engine. In BEV or PHEV vehicles, “Driving” state is achieved pressing the “Start/Stop” button while pressing the brake pedal. The “Ready” indicator will show in the cluster when “Driving” state is achieved.

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- Test plan **ABL-WAR-AS3450\_IB70\_KM** – “Display Persistent Odometer Reading” is no longer required due to the updated repair procedures
- The attachments for “Wet IB” and “Dry IB” from Revision 6 are no longer needed
- Prior to installation, the Integrated Brake Modules should be inspected for damage upon arrival. Light scratches are acceptable; but if the aluminum cover is dented or bent, please send photos in a Recall IDS Ticket for review prior to entering a claim. If approved, please claim in accordance with the Dealer Services Return and Claims Manual.
- For further information regarding IB parts updates follow the link **Integrated Brake System Recall's Flowpage**



Do not install any part which shows visual damage as shown, or has been dropped from any height.

If you have received a “**wet**” unit, follow the REP34 51 601 Replacing hydraulic unit



If you have received a “**dry**” unit, follow the REP 34 51 602 Replacing the hydraulic unit (not filled).

**Important:**  
**Prior to connecting the negative battery cable as per the REP instructions follow up works step 23, manually fill the brake fluid reservoir to just below the rim of the filler, above the “MAX” mark.**  
**Reinstall the fluid reservoir cap and continue REP procedures**

**Failure to fill prior to battery connection may result in extended or additional bleeding procedures**

**PARTS INFORMATION**

Use and invoice the applicable part numbers below.

YOCV Campaign ordering is no longer required for these parts. Please refer to the FlowCode for further information.

Part Number	Description	Quantity
34 50 5B67B85	Power brake (WET unit)	1
OR		

OR		
34 50 5B72715	Power brake (WET unit)	1
OR		
34 50 5B72716	Power brake (WET unit)	1
OR		
34 50 5B6C7F1	Power brake (DRY unit)	1
OR		
34 50 5B6A736	Power brake (DRY unit)	1
OR		
34 50 5B77C55	Power brake (WET unit)	1
34 50 5 A59 585	Seal brake booster	1
07 11 9 905 374	Self-locking collar nut (M8-10 ZNS3) (rounds to 10)	2
<b>Additional for U25</b>		
07 11 9 904 670	Flange nut (M10-10-ZNS3)	1
07 11 9 905 147	Hex bolt with washer (M10x25-10.9 ZNS3)	1

**Sublet – Bulk Supply Materials**

Part Number	Description	Quantity
81 22 0146735	MINI Brake fluid DOT 4 (DN = 12 oz bottle)	Sublet as needed
Or:		
81 22 0142156	Brake fluid DOT 4 (DN = 12 oz bottle)	Sublet as needed
Or:		
81 22 0142155	Brake fluid DOT 4 (DN = 1 Gallon)	Sublet as needed
Or:		
81 22 5B43922	Brake fluid DOT 4, LV (DN = 1/10-liter billing part number, only in conjunction with dispersing from the 30-liter drum with a separate ordering part number)	Sublet as needed
And:		
83 19 5A53089	BMW Group Non-Chlorinated Brake Parts Cleaner- 3% VOC - (DN = 15 oz)	Sublet as needed
Or		
83 19 2451315	BMW Group Non-Chlorinated Brake Parts Cleaner - 45% VOC - (DN = 15 oz)	Sublet as needed

**CLAIM INFORMATION**

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

**Important:** For vehicle which received the In-Car/In-App Communication message, refer to SI M34 03 24 to claim the Repair Code in conjunction with the work performed in SI M34 01 24, as this will remove the daily In-Car/In-App communications to the customer for this recall.

<b>Plusposition (+)</b>	Completion before the first vehicle delivery to a customer (New in-stock/No in-service date), or the vehicle is already in the workshop for another reason and/or repair, identified by the “ <b>(Plusposition)</b> ” reference in the descriptions below.
<b>Main work</b>	The vehicle arrives for this Recall, no other Main work will be performed/claimed during this workshop visit, identified by the “ <b>(Main work)</b> ” reference in the descriptions below

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

<b>Repair Code:</b>	<b>0034870200</b>	<b>F6x J0x U25 Replace integrated braking system</b>
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Below are the special flat rate labor operation code choices for this action.

**IB Replacement with Vehicle Programming and Encoding**

<b>Work Package</b>	<b>Labor Operation</b>	<b>Description</b>	<b>Labor Allowance</b>
# 1	00 77 606	Replace integrated brake system, program, and encode the vehicle control units, includes Carrying out vehicle test <b>(00 00 556/61 21 528) (Plusposition)</b>	As applicable
Or:			
# 2	00 77 072	Replace integrated brake system, program, and encode the vehicle control units, includes Carrying out vehicle test <b>(00 00 006/61 21 528) (Main work)</b>	As applicable
As applicable:			
Expanded WP A	00 77 609	Additional work, brake bleeding procedure (for installation of an "Dry: unfilled IB)	2 FRU
Expanded WP B	N/A	No longer applies	N/A
Expanded WP C	N/A	See Expanded WP G	N/A
Expanded WP D	N/A	See Expanded WP E or F	N/A
And, if required:			
Expanded WP E	00 77 641	Additional work programming vehicle (before replacing integrated braking system to bring the vehicle to the required minimum I-level)	5 FRU
Or, if this applies:			
Expanded WP F	00 77 864	Remote Software Upgrade (RSU) Status - Ready to be Installed.	2 FRU
And, if required:			
Expanded WP G	00 77 832	Additional work for odometer (activate drive-ready state)	1 FRU

**IB Replacement, Vehicle Programming and Encoding is included in another Repair.**

<b>Work Package</b>	<b>Labor Operation</b>	<b>Description</b>	<b>Labor Allowance</b>
# 1	00 77 607	Replace integrated brake system, program, and encode the vehicle control units, includes Carrying out vehicle test <b>(00 00 556/61 21 528) (Plusposition)</b>	As applicable

Or:			
# 2	00 77 073	Replace integrated brake system, program, and encode the vehicle control units, includes Carrying out vehicle test <b>(00 00 006/61 21 528) (Main work)</b>	As applicable
As applicable:			
Expanded WP A	00 77 609	Additional work, brake bleeding procedure (for installation of an “Dry: unfilled IB)	2 FRU
Expanded WP B	N/A	No longer applies	N/A
Expanded WP C	N/A	See Expanded WP G	N/A
Expanded WP D	N/A	See Expanded WP E or F	N/A
And, if required:			
Expanded WP E	00 77 641	Additional work programming vehicle (before replacing integrated braking system to bring the vehicle to the required minimum I-level)	5 FRU
Or, if this applies:			
Expanded WP F	00 77 864	Remote Software Upgrade (RSU) Status - Ready to be Installed.	2 FRU
And, if required:			
Expanded WP G	00 77 832	Additional work for odometer (activate drive-ready state)	1 FRU

**Vehicle Programming and Encoding Required after Part Replacement**

During this workshop visit, the affected vehicle may also show one or more programming and encoding Technical Campaign repairs open, the programming and encoding procedure may only be invoiced one time.

**After replacing the integrated brake (IB) system module, select this open Technical Campaign to also perform and submit for updating the vehicle to the required I-level or higher instead when applicable (this includes 00 00 006 or 00 00 556, 61 21 528, and 61 00 730).**

**Please be sure to also perform any additional before and/or after work (including attaching labels) as required by the open campaigns on the vehicle. Close any other open programming and encoding Campaign repairs as outlined in the corresponding Service Information Bulletin.**

Or:

**IB Replacement, Vehicle Programming and Encoding is included in another Repair.**

Work Package	Labor Operation	Description	Labor Allowance
# 5	00 77 610	The vehicle has already been completed by another repair or technical action <b>(Plusposition)</b>	1 FRU
Or:			

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# 6	00 77 074	The vehicle has already been completed by another repair or technical action ( <b>Main work</b> )	1 FRU
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### 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: M34 01 24 IB Rplmt WP1, F), unless otherwise required by State law.

Also, identify and explain when the "Dry" unit additional work, and what other additional work was required and performed.

Also, explain the additional work that was required and performed.

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

<b>Sublet Code 4</b>	Reimbursement for the repair-related bulk supply materials (Do not use the MINI part numbers for claim submission)	Up to \$50.00
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Sublet reimbursement calculation for claiming the applicable repair-related bulk supply material (MINI part number) is at the dealer net (DN) price for the full or proportional quantity used plus your dealer'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 (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.

### Vehicle Programming and Encoding – Additional Work (RO and Claim Comments Required)

This procedure automatically reprograms and encodes any vehicle control modules that do not have the latest software I-level.

If one or more control modules fail during the reprogramming procedure, claim the required consequential repair work procedures to address this issue (including performing the IRAP Control Unit Recovery first as required, refer to the SIB in AIR) 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.

Please explain the additional work procedures that were performed (The why and the what) on the repair order and in the claim comments.

For covered repairs that address control module failures that occurred prior to performing this reprogramming procedure, claim this work with the applicable Repair Code listed in AIR together with the corresponding labor operation codes and their flat rate unit (FRU) allowance(s), including the diagnosis\* that applies.

(\* ) Based on which one applies to your dealer, please refer to **SI M01 01 20** or **M01 04 20** for the applicable procedure for documenting, claiming, and explaining, on the RO and in the claim comments, your diagnosis work time (WT), job/repair work time (WT), and the vehicle repairs your dealer performed, unless otherwise required by State law.

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

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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 M01 01 17](#) for additional information.

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

The Safety Recall remedy repair for this action is to replace the Affected Vehicle’s power brake unit (Integrated Brake IB module) together with performing the required follow-up vehicle programming and encoding procedure.

Based on the age of the Affected Vehicles and the type of remedy repair being performed, 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 and guidelines (Procedure) including required replacement part usage (Parts Information) 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 M340124 Recall Notice.pdf](#)

[picture\\_as\\_pdf M340124\\_24V-104-IB-MINI-FAQ-\(09Aug2024\).pdf](#)



## **SAFETY RECALL NOTICE**

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

RE: Recall 24V-104: Integrated Braking System – M34 01 24

BMW AG is conducting a Voluntary Safety Recall (effective August 8, 2024) on certain Model Year 2025 MINI vehicles.

**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-104**  
**Integrated Brake (IB)**  
**Model Year 2025**  
**MINI Hardtop Cooper (2 Door, 4 Door)**  
**MINI Cooper Countryman**  
**Issue Date: 08/09/2024**

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

Certain Model Year 2025 MINI Hardtop Cooper (2 Door, 4 Door), and MINI Cooper Countryman models, in the US are potentially affected.

**Q2. What is the specific issue?**

The Integrated Brake (IB) module may not function according to specifications. If this happens, a warning lamp and message will be displayed in the instrument cluster. There will be a reduction in power assist braking, which could lead to an extended stopping distance and increase the risk of a crash. The Antilock Brake System (ABS) and Dynamic Stability Control (DSC) system may also not function, which could affect vehicle handling and control. Please note that higher pedal force may be required.

*However, fully mechanical braking is not affected. If the IB module is not functioning properly, the parking (emergency) brake will be automatically activated to aid in braking performance. Also, the emergency function of the brake force distribution system remains available to help maintain vehicle stability and control.*

**If you notice any of these conditions, your vehicle may be experiencing this issue. Please drive carefully, and avoid abrupt braking as much as possible. Please contact an authorized MINI dealer as soon as possible to have the vehicle remedied.**

**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 an Integrated Brake (IB) system that was produced to specifications by the supplier.

**Q4. Can I continue to drive my vehicle?**

Yes. However, when you are notified by MINI of this Safety Recall that a remedy is available, please contact an authorized MINI dealer to schedule an appointment as soon as possible. For the latest updates to this Safety Recall, please visit [miniusa.com/recall](https://miniusa.com/recall). **If you are not the only driver of this vehicle, please advise all other drivers of this important information.**

**Q5. How did MINI become aware of the issue?**

MINI 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. When parts become available, they will receive another letter, requesting that they schedule an appointment with an authorized MINI dealer as soon as possible to have this Safety Recall performed. For the latest updates to this Safety Recall, please visit [miniusa.com/recall](https://miniusa.com/recall).

To ensure MINI has the most up-to-date contact and vehicle information, owners should register their vehicle at [miniusa.com/ol](https://miniusa.com/ol). Registration is free and will give them access to other information specific for their MINI vehicle. Alternatively, owners can visit [miniusa.com/recall](https://miniusa.com/recall) and click on “**Manage recall notices and contact information**”.

**Q7. How will my vehicle be remedied?**

When the remedy is available, potentially affected vehicles will have the Integrated Brake (IB) system replaced for free which should take several hours.

**Q8. Do I have to wait for MINI 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 [miniusa.com/recall](https://miniusa.com/recall).