



SIB 34 09 25

2025-07-30

## SERVICE ACTION: REPLACE THE BRAKE FLUID EXPANSION TANK

<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**

G20 (3 Series Sedan)	G22 (4 Series Coupe)	G23 (4 Series Convertible)	G26 (4 Series Gran Coupe)
G80 (M3 Sedan)	G82 (M4 Coupe)	G83 (M4 Convertible)	G87 (M2 Coupe)

/#/bulletin/010120?type=sib

**SITUATION**

There may be an internal leakage in the brake fluid expansion tank (aka brake fluid reservoir). In the rare case of a leak, the filling level sensor might malfunction over a relatively long period of time.

**CAUSE**

Manufacturing defect in the brake fluid expansion tank.

**CORRECTION**

Replace the brake fluid expansion tank of the Integrated Brake system.

**PROCEDURE**

Replace the brake fluid expansion tank as per REP 34 51 110 "Remove and install/replace expansion tank for integrated braking system".

**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 listed below.

YOCV (ordering type) Campaign Codes:

G20, G22, G23, G26 - 3104802687

G80, G82, G83 - 3104814621

G87 - 3104806872

Part Number	Description	Quantity
34 51 9 504 021	Expansion tank	1
And		
<b>G20, G22, G23, G26</b>		
07 11 9 905 147	Hex bolt with washer (M10x25-10.9ZNS3)	4
07 14 7 483 888	Hex bolt (M10x55 10.9 ZNS)	4
<b>G80, G82, G83</b>		
07 14 8 086 257	Hex bolt (M10x35)	4
07 14 5 B42 409	Hexagon bolt with retainer (M10x70)	4
07 14 9 502 134	Multi-purpose bolt (M10x1.5 ZNS3)	2
<b>G87</b>		
07 14 8 086 257	Hex bolt (M10x35)	4
51 61 8 084 883	Hex bolt (M10x70)	4
07 14 9 502 134	Multi-purpose bolt (M10x1.5 ZNS3)	2

### 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 Service Action will be via normal claim entry utilizing the work package information below that applies, and the part number listed above.

<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 Service Action, 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>0034200300</b>	<b>G2x G8x Replacing brake fluid in expansion tank</b>
---------------------	-------------------	--

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

Work Package	Labor Operation	Description	Labor Allowance
# 1	00 78 712	Renew brake fluid expansion tank	As applicable
Or:			
# 2	00 78 177	Renew brake fluid expansion tank	As applicable

And, when applicable:

### Vehicles with Fixed Calipers and the Inaccessible Rim Design

Expanded WP	Labor Operation	Description (Associated work)	Labor Allowance
A	00 78 713	Additional work with fixed caliper for inaccessible rim designs	2 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 09 25 Replace Brake Fluid Expansion Tank WP 1), unless otherwise required by State law.

And when required, explain the additional work that was performed.

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

<b>Sublet Code 4</b>	Reimbursement for the supported amount of repair-related bulk supply materials (Do not use the BMW part numbers for claim submission)	Up to \$50.00
----------------------	---	---------------

Copyright ©2025 BMW of North America, Inc.

Sublet reimbursement calculation for claiming the applicable repair-related bulk supply materials (BMW part numbers) 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.

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

This Service Action’s 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.

**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

