SIB 34 07 24 2024-11-19

RECALL 24V-739: INTEGRATED BRAKE SYSTEM (IB)

This Service Information Bulletin (Revision 1) replaces SI B34 07 24 **dated November 2024.**

What's New:

- SIB title updated
- Affected Vehicles
- Situation updated
- Cause added
- Correction added
- Procedure added
- Parts Information added
- Claim Information added
- Attachment added

☐	THIS REPAIR IS MOBILE 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	Production Date
F95	X5 M Sports Activity Vehicle	March 20, 2023 – July 20, 2023
F96	X6 M Sports Activity Coupe	March 21, 2023 – July 11, 2023
G05	X5 Sports Activity Vehicle	February 28, 2023 – October 18, 2023
G06	X6 Sports Activity Coupe	February 23, 2023 – July 25, 2023
G07	X7 Sports Activity Vehicle	July 13, 2022 – October 18, 2023
G09	BMW XM Sports Activity Vehicle	November 12, 2022 – June 17, 2023
G60	5 Series Sedan & i5 Sedan	June 23, 2023 – July 7, 2023
G70	7 Series Sedan & i7 Sedan	July 4, 2022 – September 6, 2023
U11	X1 Sports Activity Vehicle	August 2, 2022 – October 26, 2023

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 November 6, 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.

SITUATION

BMW AG is conducting a Voluntary Safety Recall (effective November 5, 2024) on certain Model Year 2023 - 2024 BMW vehicles that were produced between July 4, 2022, and October 26, 2023.

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 07 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.

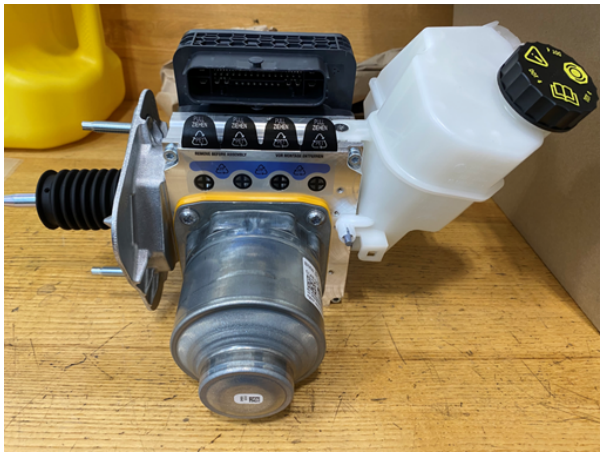
CORRECTION

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:
5B5F8F1
5B5F8F3
5B5F8F4
5B3C884

New, additional part numbers (refer also to Parts Information section):
5B67B85
5B69D65
5B6E463
5B6E467
5B69D61
5B69D63



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

Part numbers:
5B3C874
5B3C857
5B421D0
5B3C859
5B6C7F2
5B6C7F3
5B6C7F5

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

PROCEDURE

If you have received a “wet” unit, follow the repair per the Attachment 1- “Service Function and replace wet IB pre-filled”.

If you have received a “dry” unit, follow the repair per the Attachment 2- “Service Function and replace dry IB unfilled”.

FAILURE TO FOLLOW ATTACHED PROCEDURES CAN RESULT IN MALFUNCTION OR LOSS OF INFORMATION STORED IN THE IB UNIT

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.

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

Below are the YOCV Campaign Codes:
Uxx = 3104638921
F9x G0x = 3104662202
G60 = 3104635889
G70 = 3104635890

Series	Part Numbers	Description	Quantity
U10, U11	34 50 5B5F8F1	Power brake (WET unit)	1
	OR		
	34 50 5B67B85	Power brake (WET unit)	1
	OR		
	34 50 5B3C874	Power brake (DRY 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 5B5F8F4	Power brake (WET unit)	1
	OR		
	34 50 5B69D63	Power brake (WET unit)	1
	OR		
	34 50 5B6E467	Power brake (WET unit)	1
	OR		
	34 50 5B421D0	Power brake (DRY unit)	1
	OR		
	34 50 5B6C7F5	Power brake (DRY unit)	1
	34 51 6893390	Brake booster seal	1
	07 14 6890655	Self-locking collar nut	2
G60	34 50 5B3C884	Power brake (WET unit)	1
	OR		
	34 50 5B69D61	Power brake (WET unit)	1
	OR		
	34 50 5B3C859	Power brake (DRY unit)	1
		OR	
	34 50 5B6C7F3	Power brake (DRY 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 5B5F8F3	Power brake (WET unit)	1
	OR		
	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
	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

Blue dot information:

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

Part numbers:
5B5F8F1 Must have Blue-Dot
5B5F8F3 Must have Blue-Dot
5B5F8F4 Must have Blue-Dot
5B3C884 Must have Blue-Dot

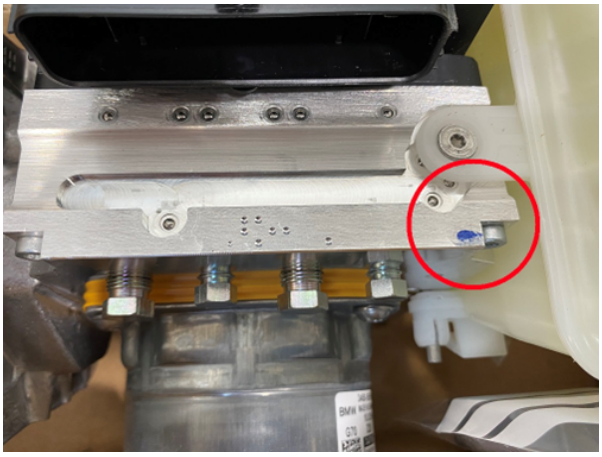
See step 1 and 2 for inspection process

New part numbers-
5B67B85 Will not have Blue-Dot
5B69D65 Will not 1. have Blue-Dot
5B69D61 Will not have Blue-Dot
5B69D63 Will not have Blue-Dot

No further inspection required

1. For “Wet” pre-filled part numbers listed above in blue. Verify the blue dot is located on the part number label as shown in the photo.

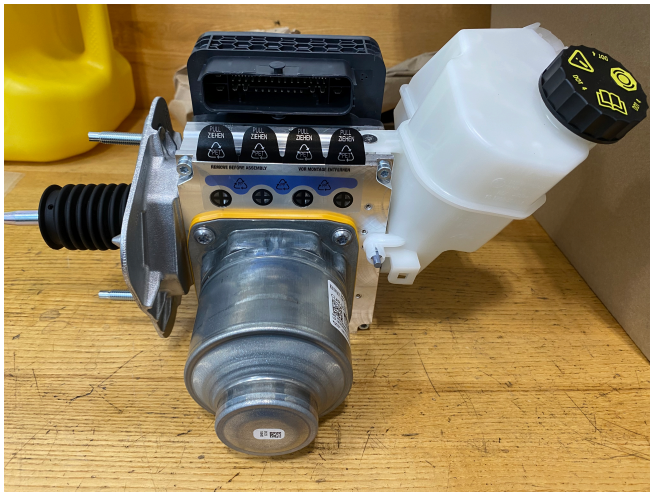
Note: Photo shown for location of blue dot on the parts label and does not indicate the part number for all models



2. Verify the blue mark is located on the new component as shown in the photo.

Note: Some IB's may have an additional blue dot on the brake fluid reservoir. Disregard that blue dot. The only blue mark to be verified is shown here.

3. Return the part if the Blue-Dot is not found on the label or unit



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

Part numbers:
5B3C874 Blue-Dot inspection not needed
5B3C857 Blue-Dot inspection not needed
5B421D0 Blue-Dot inspection not needed
5B3C859 Blue-Dot inspection not needed
5B6C7F2 Blue-Dot inspection not needed
5B6C7F3 Blue-Dot inspection not needed

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

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	Sublet as

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 07 24. This will remove the daily In-Car/In-App communications to the customer for this recall.

Plusposition (+)	Completion before the first vehicle delivery to a customer or the vehicle is already in the workshop, identified by the **"(Plusposition)"** reference in the descriptions 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 in the descriptions below

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

Repair Code:	**0034060300**	**Fx Gx Ux Replacing integrated braking system**

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 77 755	Replace integrated brake system, program, and encode the vehicle control units, includes Carrying out vehicle test **(00 00 556/61 21 528) (Plusposition)**	As applicable
Or:			
# 2	00 77 190	Replace integrated brake system, program, and encode the vehicle control units, includes Carrying out vehicle test **(00 00 006/61 21 528) (Main work)**	As applicable
As applicable:			
Expanded WP A	00 77 760	Additional work, brake bleeding procedure (for installation of an "Dry" unfilled IB)	2 FRU
Expanded WP B	00 77 793	Additional work reprogramming	5 FRU
Expanded WP C	00 77 082	**Attachment Step 3:** Additional work (Work time) Affected Vehicle operation/driving preparation work prior to power brake (IB) unit replacement. **A separate punch time is required to document and support the work time FRU amount that is claimed**	WT FRU as required

Work time labor operation code 00 77 082 is not considered Main labor operations.

Or:

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

Work Package	Labor Operation	Description	Labor Allowance
#3	00 77 756	Replace the integrated brake system (Programming and encoding the vehicle control units was performed in conjunction with **another campaign/repair during the same workshop visit) (Plusposition)**	As applicable
Or:			
#4	00 77 191	Replace the integrated brake system (Programming and encoding the vehicle control units was performed in conjunction with **another campaign/repair during the same workshop visit) (Main work)**	As applicable
As applicable:			
Expanded WP A	00 77 760	Additional work, brake bleeding procedure (for installation of an “Dry” unfilled IB)	2 FRU
Expanded WP B	00 77 793	Additional work reprogramming	5 FRU
Expanded WP C	00 77 082	Attachment Step 3: Additional work (Work time) Affected Vehicle operation/driving preparation work prior to power brake (IB) unit replacement. **A separate punch time is required to document and support the work time FRU amount that is claimed**	WT FRU as required

Work time labor operation code 00 77 082 is not considered Main labor operations.

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 Repair Completed by another Repair or Technical Action

Work Package	Labor Operation	Description	Labor Allowance

# 5	00 77 761	The vehicle has already been completed by another repair or technical action **(Plusposition)**	1 FRU
Or:			
# 6	00 77 194	The vehicle has already been completed by another repair or technical action **(Main work)**	1 FRU

Claim Repair Comments

Reference the SIB number, the work package (Pkg) number and the Expanded WPs performed in the technician's RO notes and in the claim comments (For example: B34 02 24 WP1, A, B), unless otherwise required by State law.

Also, identify when the "Dry" unit additional work was required and performed, and explain the work time claimed under labor operation code 00 77 082.

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

Sublet Code 4	Reimbursement for the repair-related bulk supply materials (Do not use the BMW part numbers for claim submission)	Up to $50.00

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.

Expanded WP C: Affected Vehicle refueling reimbursement is at cost (no markup).

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 appliable 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, if you do receive a reimbursement request from a customer for a prior repair that may qualify as being recall comparable, 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 review and 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 B340724_24V-739-IB-BMW-FAQ-(6Nov2024).pdf
picture_as_pdf B34 07 24 Service Function and replace Dry IB.pdf
picture_as_pdf B340724 Recall Notice.pdf
picture_as_pdf B34 07 24 Service Function and replace Wet pre filled IB.pdf

SAFETY RECALL NOTICE

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

RE: Recall 24V-739: Integrated Braking System – B34 07 24

BMW AG is conducting a Voluntary Safety Recall (effective November 5, 2024) on certain Model Year 2023 - 2024 BMW vehicles that were produced between July 4, 2022, and October 26, 2023.

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.

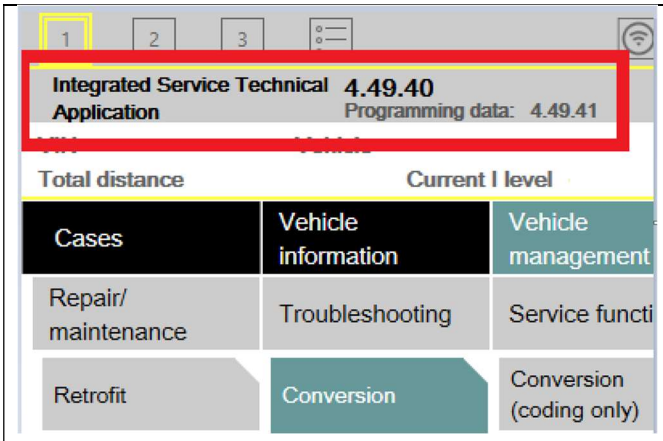
Please follow any special instructions that we provide to you for the return or disposition of recall parts.

We appreciate all your assistance with this Recall.

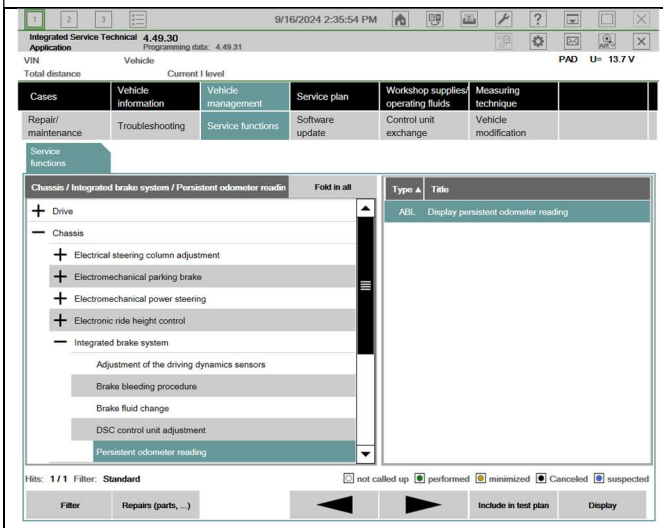
RECALL 24V-104: INTEGRATED BRAKE SYSTEM

Procedure: For all vehicles, regardless of mileage using a “Dry” unfilled IB

FAILURE TO FOLLOW ATTACHED PROCEDURES CAN RESULT IN MALFUNCTION OR LOSS OF INFORMATION STORED IN THE IB UNIT



1. ISTA version 4.49.40 with Application Programming data: 4.49.41 available from October 10, 2024, required to proceed with Recall procedures.

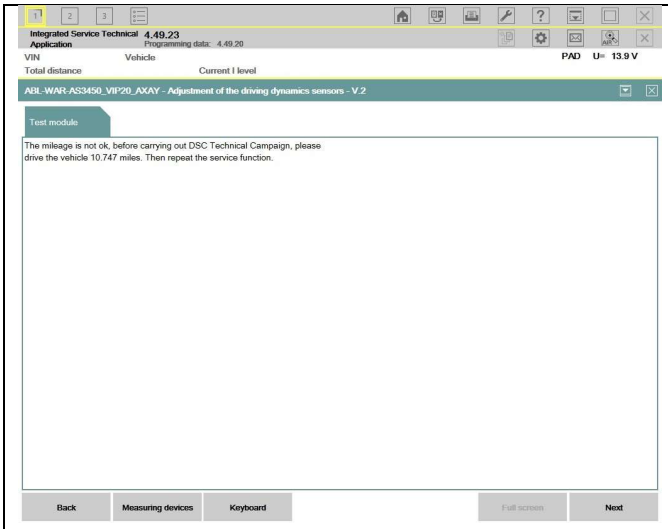


2. Using ISTA 4.49.40
   - Connect the vehicle to ISTA, **Select “Identification without vehicle test”.**

     Note: ISTA Must be connected to workshop network

3. With vehicle connection established, select:
   a) Vehicle Management
   b) Service Functions
   c) Chassis
   d) Integrated brake system
   e) Persistent odometer reading.

   - Select the carry out ABL, “Display persistent odometer reading”, (Claim the following procedure under work time labor operation code 00 77 082, a separate punch time is required to document and support the work time FRU amount that is claimed)



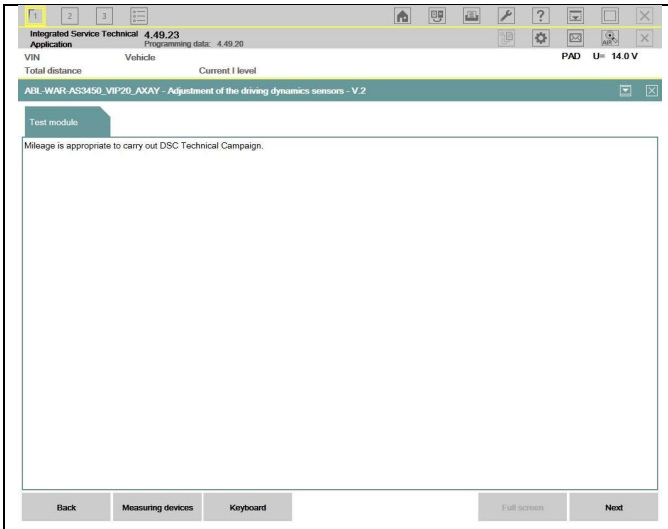
- The service function will determine whether the vehicle needs to be driven, or the mileage is appropriate to proceed with IB replacement. Always complete the service function then close the ISTA session.

- **Note:** If driving is required, the vehicle must be driven no more than 0.5 miles beyond the required minimum distance. Anything above or below may result in another required drive.

  Hint: Use the vehicle trip odometer to accurately determine the distance driven is recommended.

  Important: When returning from mileage alignment drive, put the vehicle in the work stall where the replacement will be performed. The vehicle may not be driven after the service function states “Mileages is appropriate...”.

  Note: the photo shown is only an example of a vehicle test which requires miles accrued before replacing an IB

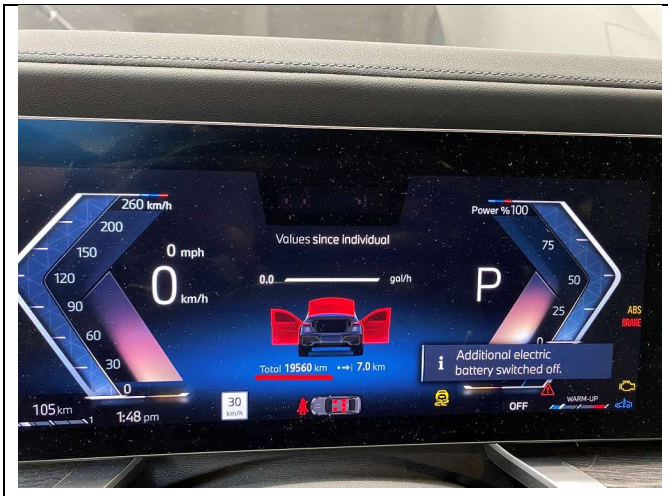


4. Start a new ISTA session and repeat the service function “persistent odometer reading” after the vehicle has been driven the given number of miles from the test plan results.

5. Once the service function “persistent odometer reading” indicates the mileage is appropriate to proceed with IB replacement. Complete the service function then end the ISTA session and proceed to step 6.

   IMPORTANT: Do not proceed with IB replacement without receiving this message

   - Always complete the service function then end the ISTA session

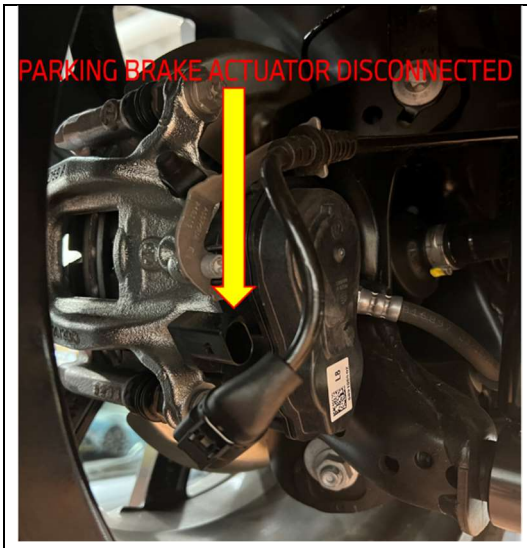


6. Note down the odometer mileage before performing the IB replacement.

   Note: photo used shows odometer displayed in km

WARNING: Prior to releasing the parking brake, secure the vehicle from rolling by raising the tires slightly off the ground using the vehicle lift.

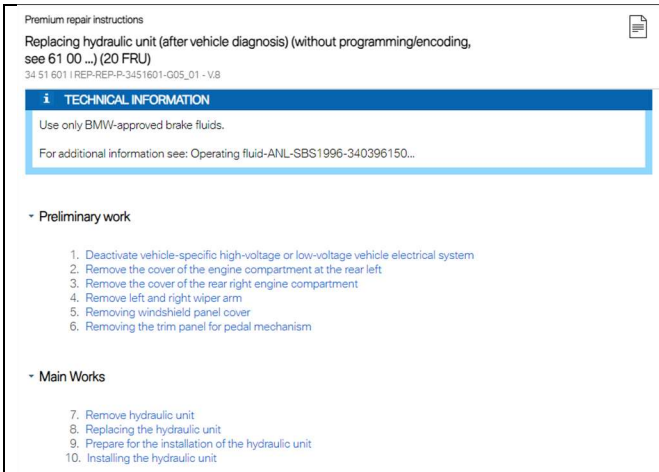
7. Ensure the parking brake is released and all auto hold braking functions are switched off.



8. Disconnect the left and right parking brake actuators

   - Confirm the actuators are released by spinning the wheels

Note: Parts inspection process has been moved to the Parts Information section of bulletin

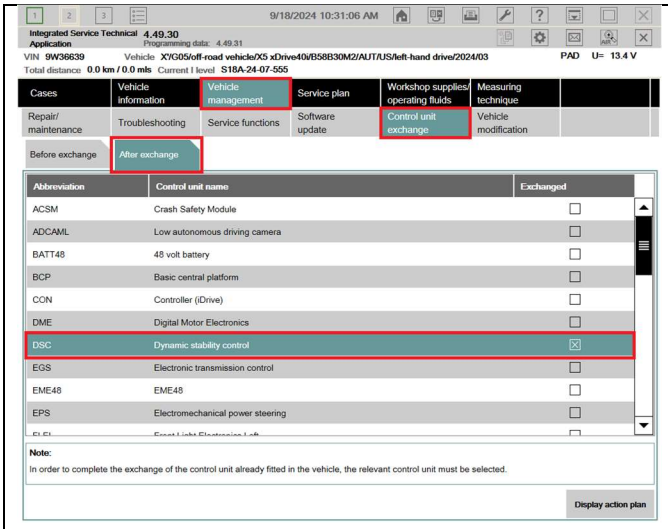


9. Replace the IB as per modified REP 34 51 601, Hydraulic unit replacement.

   Important: Only follow the Preliminary work and Main works steps. Do not connect the bleeder unit at this time.

   - **Note:** When removing the brake pedal, be particularly careful as not to damage the retaining lugs on the holding clip
     Caution, keep your distance from the brake pedal to prevent injury when releasing.
   - **Hint:** Prior to installing the IB, inspect the brake line ports for damaged threads.
   - **Note:** the wheel circuit connections must be properly torqued and inspected for leaks as per the repair instructions

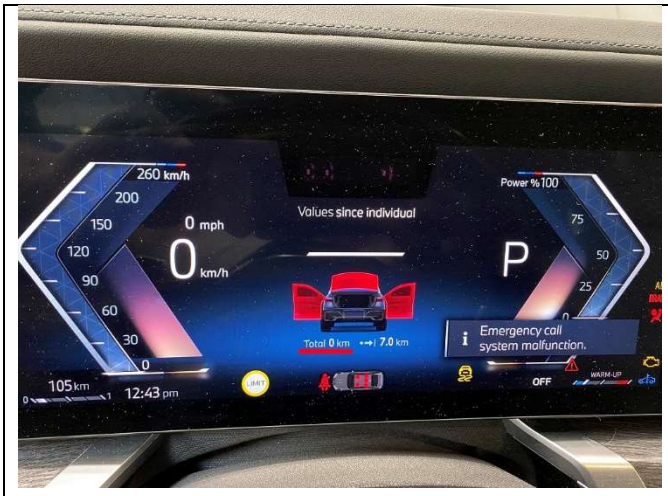
10. Manually fill the brake fluid reservoir to just below the rim of the filler, above the “MAX” mark.
    - Reinstall the fluid reservoir cap.
11. Connect IB main electrical connector and fluid level sensor
12. Re-connect battery



13. Start a new ISTA session and configure the programming.

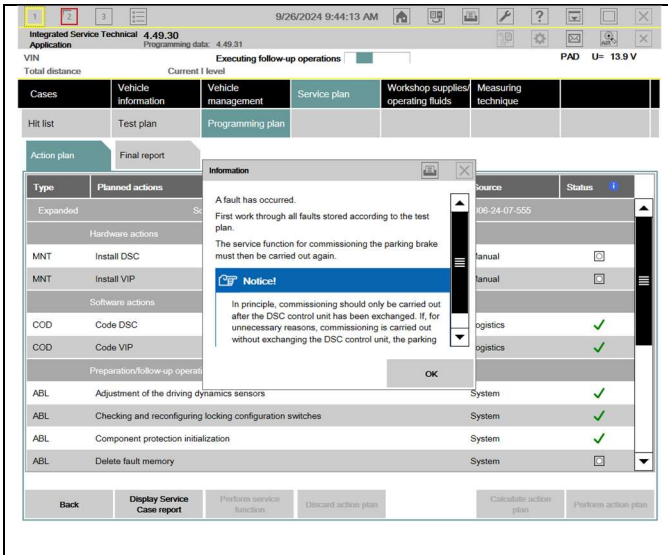
    - Select “DSCi exchange (DSC,VIP)” as exchanged

14. Display action plan, calculate measurement plan and perform the programming.

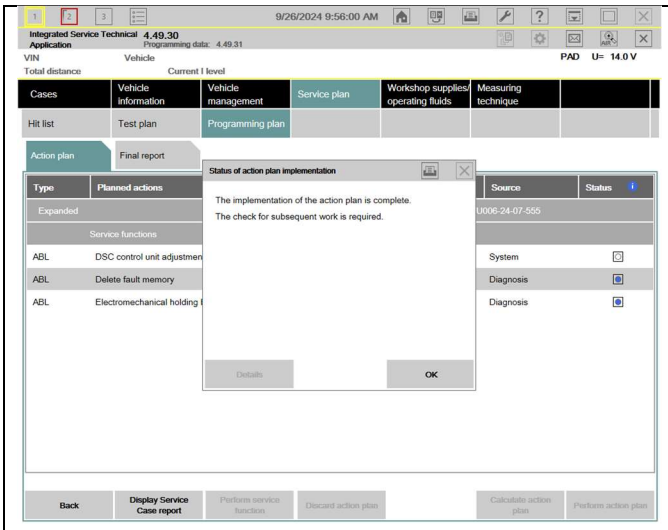


15. The odometer will display 0 miles until the vehicle programming and coding is completed.

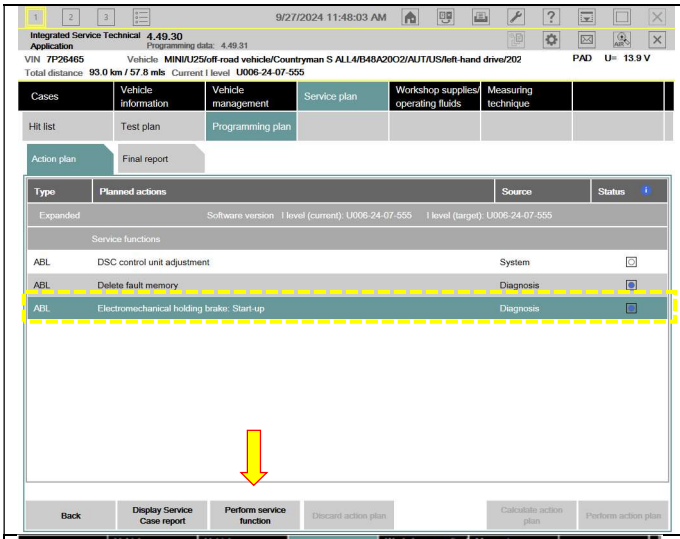
    Note: This photo used shows odometer displayed in km



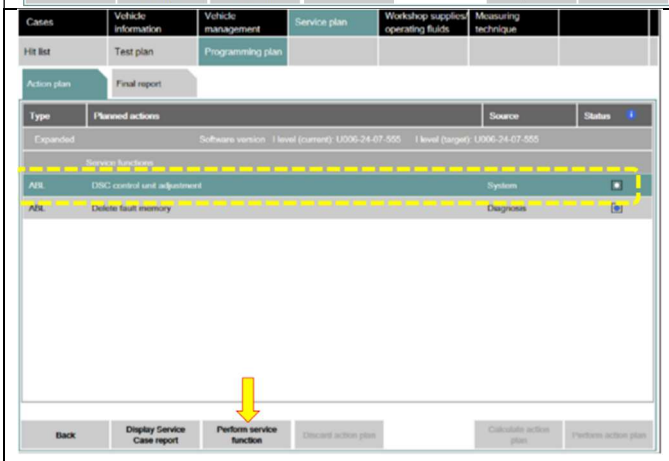
16. Click “ok” to the warning message shown left. The “Electromechanical holding brake “start -up” service function will automatically be added to the action plan



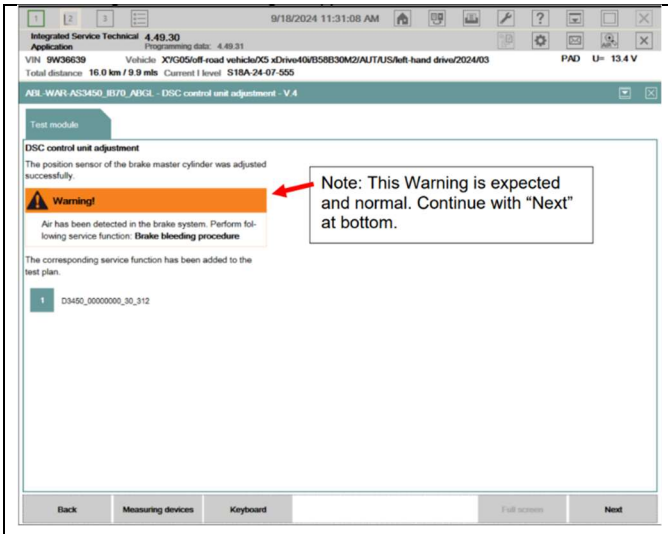
17. After the “implementation of the action plan is complete/l message is shown, **reconnect the left and right parking brake actuators,** then select “OK”



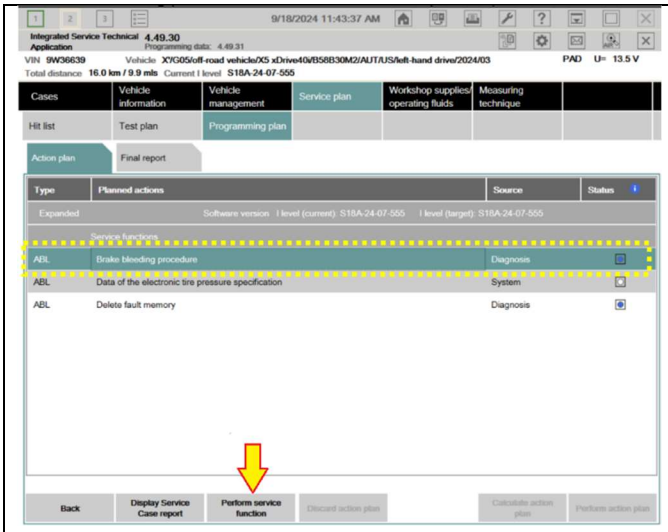
18. Perform the “Electromechanical holding brake start-up” service function by selecting “Perform service function”.



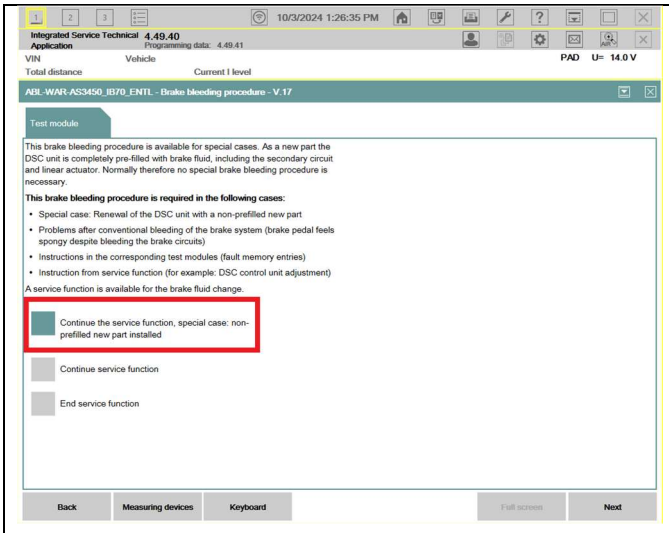
19. Perform the “DSC Control unit adjustment” service function by selecting “Perform service function”.



- The service function will end with the warning screen shown left. Continue by selecting “next”.
- The “brake bleeding procedure” is automatically added to the follow up task in the action plan



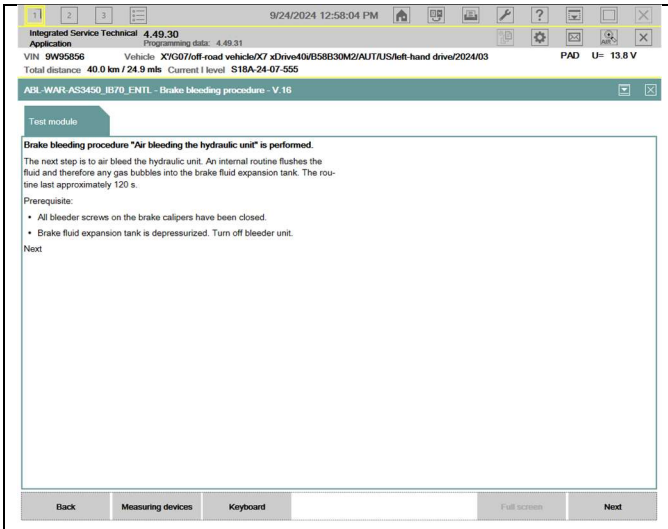
20. Select the service function “Brake bleeding procedure” then start service function



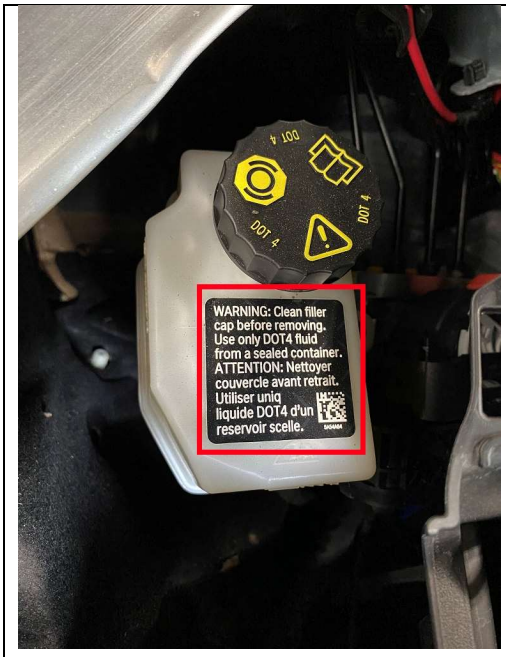
21. The following screen appears: **Choose “Continue the service function, special case: non prefilled new part installed” and select “next”.**

22. From this point, follow all further instructions in ISTA from the “Brake Bleeding procedure” service function.

    Hint: Wait approximately 5 seconds in between after releasing the brake pedal

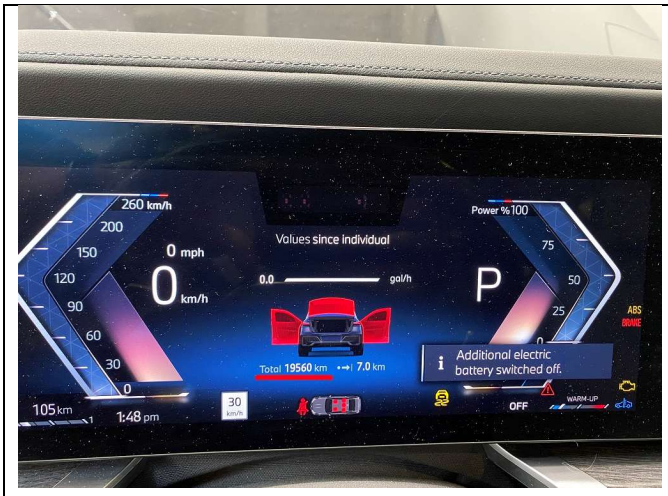


23. Pay close attention to the on-screen prompts as the display will change during the bleed procedure



24. For G60 and G70, install the brake fluid label to the reservoir

25. Re-assemble the vehicle as per the remaining REP steps.
26. Complete the rest of the follow up tasks listed in the action plan.

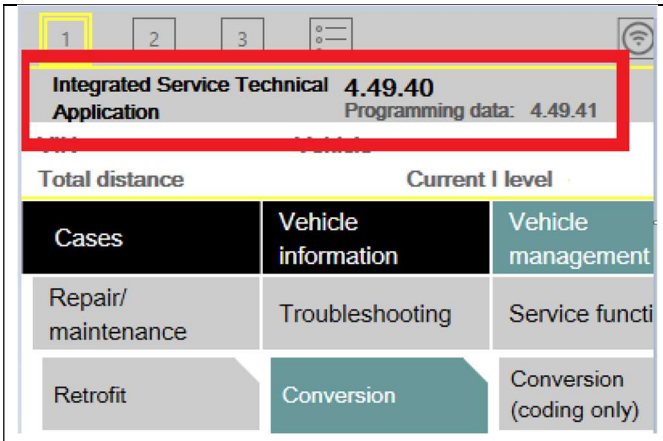
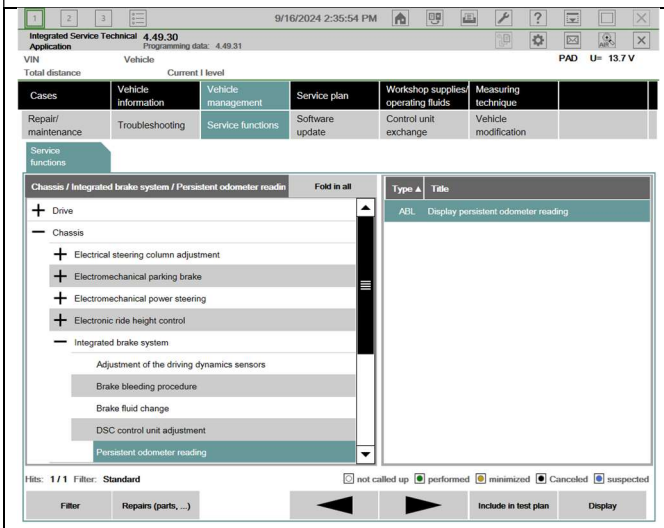
	27. Document the odometer mileage in the repair order after the IB has been replaced and successfully programmed and coded to the vehicle.

28. Perform a functional test of the affected systems.
    Perform brief road test after IB installation is complete.
    - Travel distance 500-1000 yards, press brake pedal at least 4 times
        a. Perform 3x, accelerate to approximately 22 mph and bring the vehicle to a standstill using light to moderate braking, NO ABS braking!
        b. Accelerate once to approximately 30 mph and bring the vehicle to a standstill with emergency/hard braking (ABS braking or regulation)
    - Braking effect evaluation comparing to a new vehicle with a similar odometer reading.

RECALL 24V-104: INTEGRATED BRAKE SYSTEM

Procedure: For all vehicles, regardless of mileage using a “Wet” prefilled IB

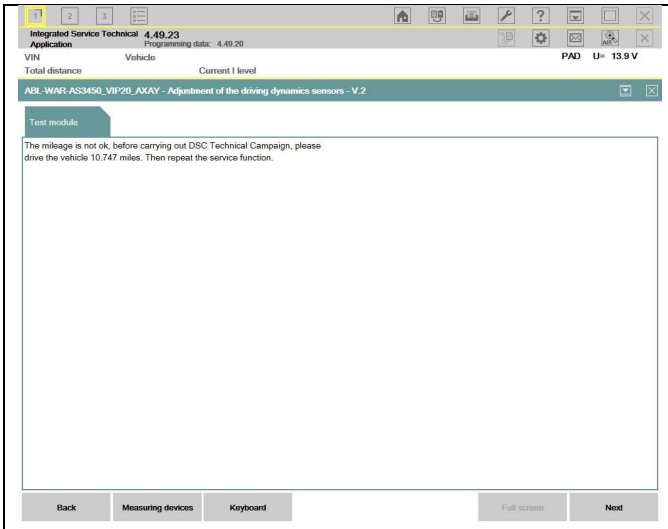
FAILURE TO FOLLOW ATTACHED PROCEDURES CAN RESULT IN MALFUNCTION OR LOSS OF INFORMATION STORED IN THE IB UNIT

<table>
<tr>
<td> 
</td>
<td>1. ISTA version 4.49.40 with Application Programming data: 4.49.41 available from October 10, 2024, required to proceed with Recall procedures.</td>
</tr>
<tr>
<td> 
</td>
<td>2. Using ISTA 4.49.40
• Connect the vehicle to ISTA, Select “Identification without vehicle test”.

Note: ISTA must be connected to workshop network

3. With vehicle connection established, select:
a) Vehicle Management
b) Service Functions
c) Chassis
d) Integrated brake system
e) Persistent odometer reading.

• Select the carry out ABL, “Display persistent odometer reading”, (Claim the following procedure under work time labor operation code 00 77 082, a separate punch time is required to document and support the work time FRU amount that is claimed).</td>
</tr>
</table>



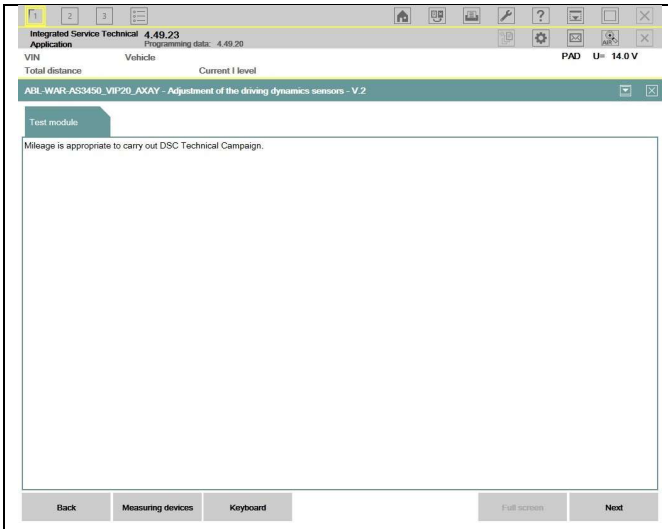
- The service function will determine whether the vehicle needs to be driven, or the mileage is appropriate to proceed with IB replacement. Always complete the service function then close the ISTA session.

- **Note:** If driving is required, the vehicle must be driven no more than 0.5 miles beyond the required minimum distance. Anything above or below may result in another required drive.

  Hint: Use the vehicle trip odometer to accurately determine the distance driven is recommended.

  Important: When returning from mileage alignment drive, put the vehicle in the work stall where the replacement will be performed. The vehicle may not be driven after the service function states “Mileages is appropriate...”.

  Note: the photo shown is only an example of a vehicle test which requires miles accrued before replacing an IB

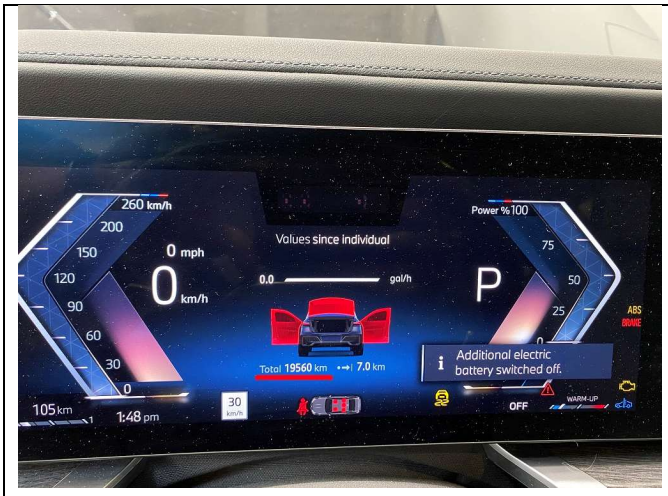
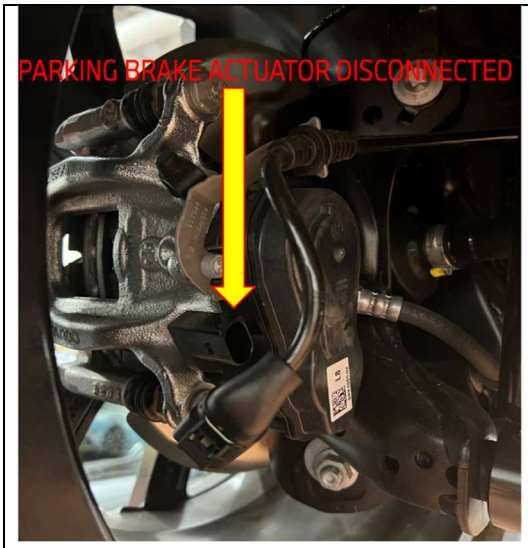


4. Start a new ISTA session and repeat the service function “persistent odometer reading” after the vehicle has been driven the given number of miles from the test plan results.

5. Once the service function “persistent odometer reading” indicates the mileage is appropriate to proceed with IB replacement. Complete the service function then end the ISTA session and proceed to step 6.

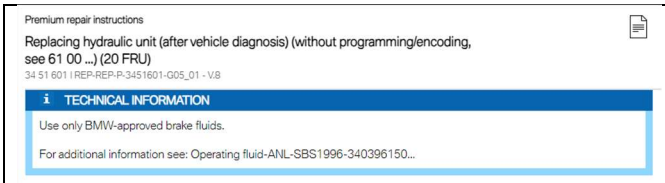
   IMPORTANT: Do not proceed with IB replacement without receiving this message

   - Always complete the service function then end the ISTA session

	6. Note down the odometer mileage before performing the IB replacement. **Note:** photo used shows odometer displayed in km
	**WARNING:** Prior to releasing the parking brake, secure the vehicle from rolling by raising the tires slightly off the ground using the vehicle lift. 7. Ensure the parking brake is released and all auto hold braking functions are switched off
	8. Disconnect the left and right parking brake actuators • Confirm the actuators are released by spinning the wheels

Note: Parts inspection process has been moved to the Parts Information section of bulletin

	9. Replace the IB as per REP 34 51 601, Hydraulic unit replacement up to the last “Follow-up works” step “Programming the DSC control unit unit….”

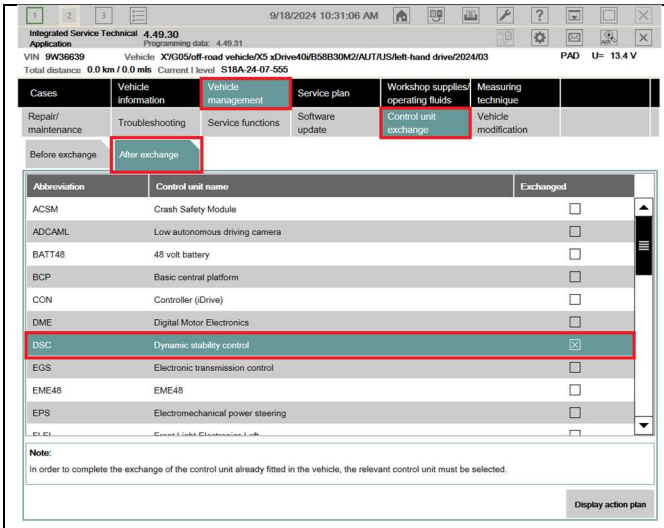


- Note: The programming portion of the procedure is outlined in the following steps.

- **Note:** When removing the brake pedal, be particularly careful as not to damage the retaining lugs on the holding clip.
  Caution, keep your distance from the brake pedal to prevent injury when releasing.

- **Hint:** Prior to installing the IB, inspect the brake line ports for damaged threads.

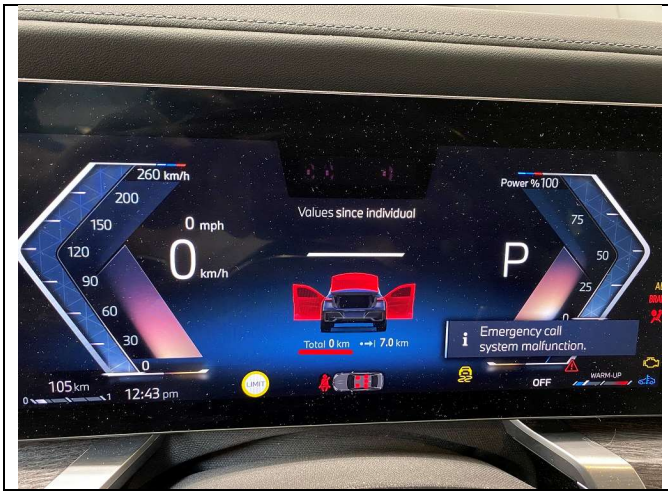
- **Note:** the wheel circuit connections must be properly torqued and inspected for leaks as per the repair instructions



10. Start a new ISTA session and configure the programming session

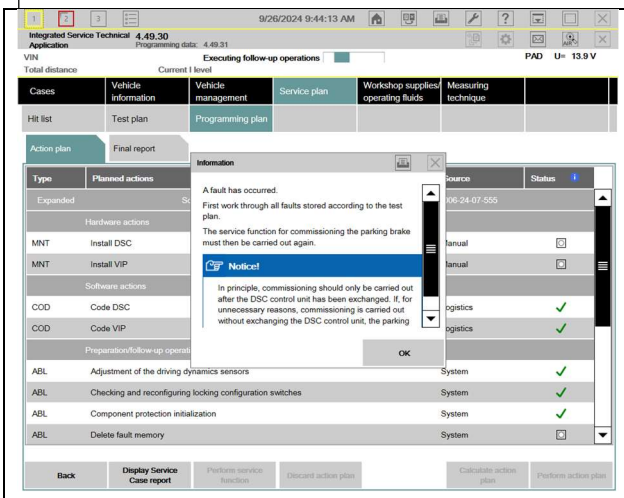
    - Select DSCi exchange “(DSC,VIP)” as exchanged

11. Display action plan, calculate measurement plan, and perform the programming session.

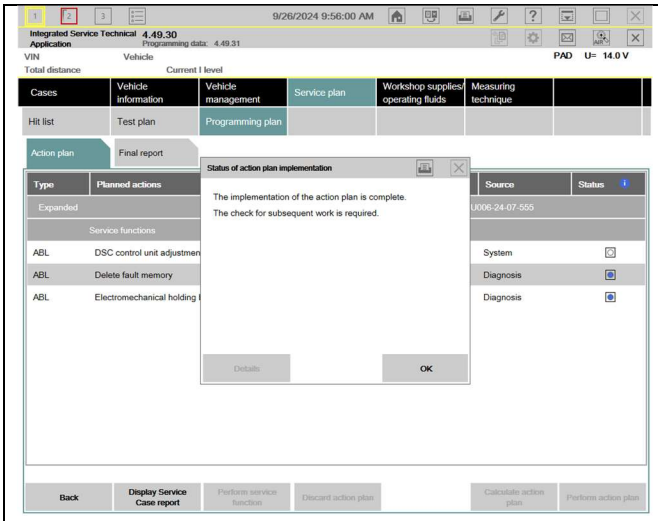


Note: The odometer will display 0 miles until the vehicle programming and coding is completed.

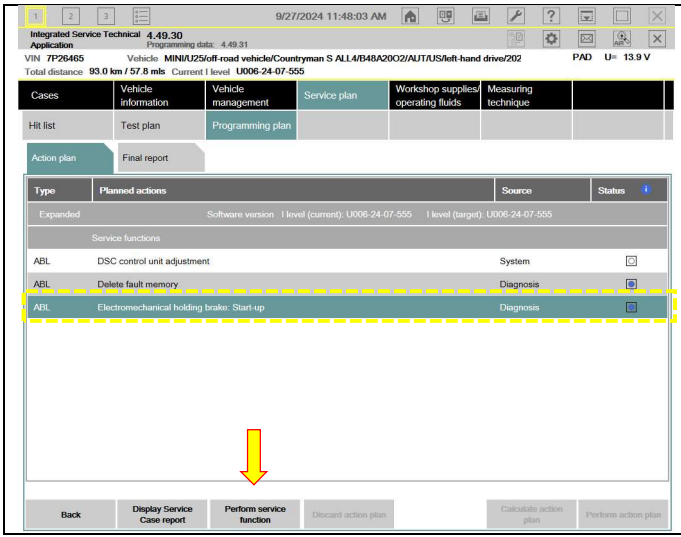
Note: This photo used shows odometer displayed in km



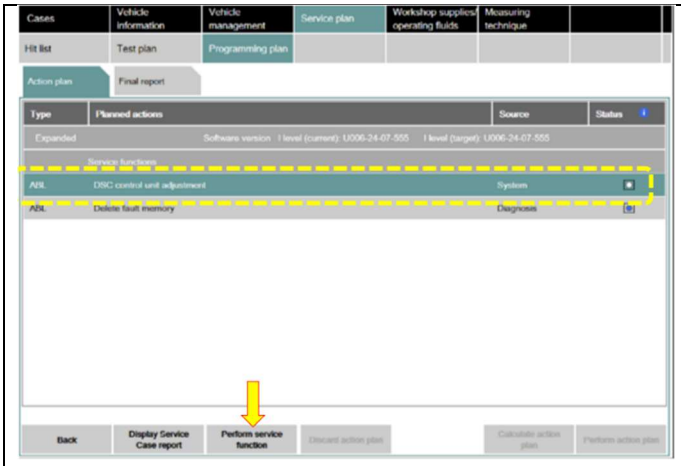
12. Click “ok” to the warning message shown left. The “Electromechanical holding brake “start -up” service function will automatically be added to the action plan



13. After the “implementation of the action plan is complete/l message is shown, **reconnect the left and right parking brake actuators**, then select “OK”

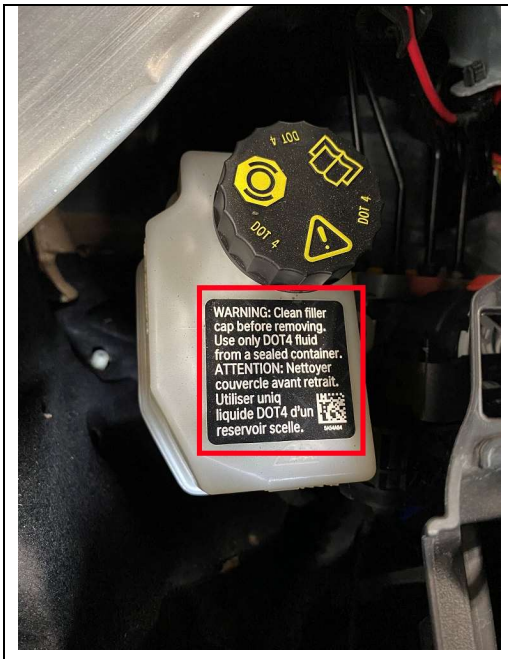


14. Perform the “Electromechanical holding brake start-up” service function by selecting “Perform service function”.



15. Perform the “DSC Control unit adjustment” service function by selecting “Perform service function”.

16. Complete any remaining follow up tasks still listed in the action plan.



17. For G60 and G70, install the brake fluid label to the reservoir

18. Document the odometer mileage in the repair order after the IB has been replaced and successfully programmed and coded to the vehicle**.**

    Note: photo used shows odometer displayed in km

Safety Recall
24V-739
Integrated Brake (IB)
Model Year 2023-2025
BMW 5 Series / i5, 7 Series / i7
BMW X1, X5, X6, X7, XM
Issue Date: 11/6/2024

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 is for vehicle which have already had an earlier repair.

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. **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.

To ensure BMW has the most up-to-date contact and vehicle information, owners should register their vehicle

Safety Recall
24V-739
Integrated Brake (IB)
Model Year 2023-2025
BMW 5 Series / i5, 7 Series / i7
BMW X1, X5, X6, X7, XM
Issue Date: 11/6/2024

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?
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.