



Dealer Principal	General Manager	Sales Manager	Service Manager	Parts Manager	Marketing	Finance
Date: March 12, 2024		Source: Name: Title: Phone #: Email:			Replaces: A 02 2024 04 Supersedes: n/a Group: n/a	

Aftersales Bulletin

A 02 2024 05 – 00 34 68 02 00 - Spectre RR25 – Recall 24V-104 – Integrated Brake Module Replacement

USA - TECHNICAL CAMPAIGN (SAFETY RECALL 24V-104) – Complete as soon as possible, using all available means to recall the vehicle for correction.

PLEASE DO NOT SELL, LEASE OR DELIVER ANY VEHICLE COVERED BY THIS NOTIFICATION UNTIL THE DELIVERY STOP REPAIR HAS BEEN PERFORMED. THIS MEANS THAT DEALERS MAY NOT DELIVER NEW MOTOR VEHICLES TO A CONSUMER UNTIL IT IS FIXED OR USE/SELL REPLACEMENT EQUIPMENT/PARTS SUBJECT TO A DELIVERY STOP.

ALSO, YOU SHOULD NOT SELL, LEASE OR DELIVER ANY PROVENANCE (CPO) OR USED VEHICLES SUBJECT TO A DELIVERY STOP UNTIL THE REPAIR IS COMPLETED.

This bulletin A 02 2024 05 replaces bulletin A 02 2024 04 dated February 9th, 2024.

Affected Vehicles

This Technical Campaign Safety Recall affects Rolls-Royce Spectre (RR25) vehicles built between June 20, 2023, and June 23, 2023.

Situation

The affected Rolls-Royce Spectre (RR25) vehicles identified may have a potential issue concerning the Integrated Brake (IB) system that may not function according to specifications, leading to reduction in the power assist function. If this reduction occurs, the Antilock Brake System (ABS) and Dynamic Stability Control (DSC) system may not function.

Vehicles that have been identified within this recall will need to have the Dynamic Stability Control integrated (DSCI) hydraulic unit replaced.

Information

A technical campaign has been launched to ensure that all vehicles have the check/repair completed. Dealer personnel should use Integrated Service Processes Application (ISPA), S-Gate “Campaigns for Vehicle” to check whether a vehicle requires this technical campaign or via Aftersales Information Research (AIR). Please see bulletin “A 10 2016 03 - Recall / Technical Campaign Check” for details.

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Procedure



Work must be completed by Rolls-Royce Motor Cars Level 2 High Voltage Technician or higher.


Note: TSARA case is not required to complete this re-work. Submit a TSARA case **only** if technical assistance is required or if there is an issue with the High Voltage system, for example high voltage disconnect not displayed. Please refer to HV Qualification and TSARA Authorization: RPMC_VI SEL-SEL-P-00-20000910599561-01.

Important Notes on DSCi:

Ensure absolute cleanliness. All surfaces and working areas must be clean and free from contamination. Prior to initial work on the DSCi brake (integrated brake), the web-based training "DSCi" must be completed successfully.

The web-based training "DSCi" is started in the Learning Management System (TMS).

i TECHNICAL INFORMATION

 Before the hydraulic unit is removed, the vehicle battery must be disconnected!

The vehicle battery must never be connected during the repair!

Additional information: see 34 00 ... Brake bleeding routine

The vehicle battery may be connected again only if the brake system is filled completely with brake fluid and bled!

Use only Rolls-Royce recommended brake fluid.

Special Tools required:

83 30 2 409 646 – Removal Tool

1. Perform Service Disconnect as per repair instruction:
 - Switching the High-Voltage system voltage free 61 25 900 | RE-REP-P-6125900-18 – V.1

And Service solutions:

- HV Qualification and TSARA Authorization: RPMC_VI SEL-SEL-P-00-20000910599561-01
- RR25 Service Disconnect Information: RPMC_VI SEL-SEL-P-61-20000896818731-01

2. Once Service disconnect is carried out, and CCM Check Control Message "High Voltage System Deactivated" is displayed, allow vehicle to sleep and then disconnect 12V batteries.

Note: If the CCM is not displayed, submit a regular TSARA case for technical support.

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3. Remove design cover.

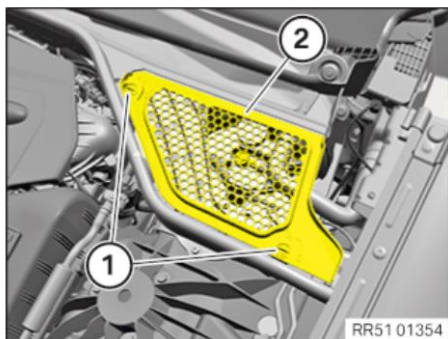


4. Remove both scuttle panel trims.

 NOTICE

Description is for left component only. Procedure on the right side is identical.

► Removing the cover of the rear engine compartment



- Turn the locks (1) by 90°.
- Remove the cover (2).

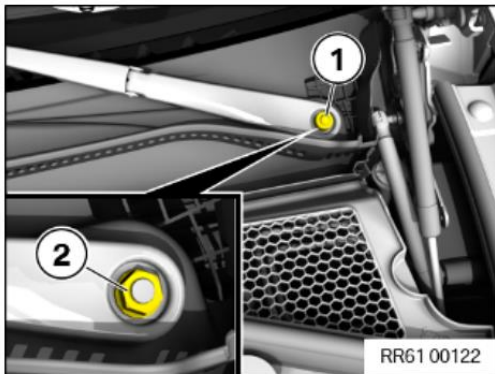
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5. Remove fender trim pieces, pay attention to small clips, do not drop.
Note: Picture shown is for RHD. Should be same on driver side for LHD.

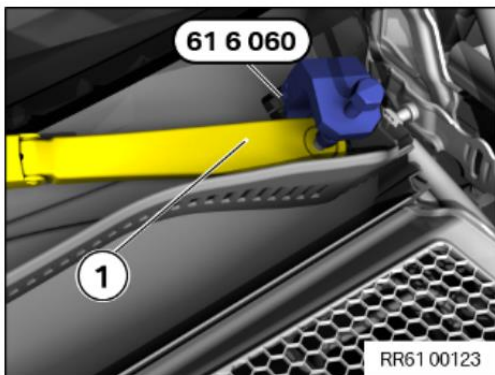


6. Remove wiper arms. (REP-REP-P-6161100-RR11_1 - V.5)

► Remove wiper arm



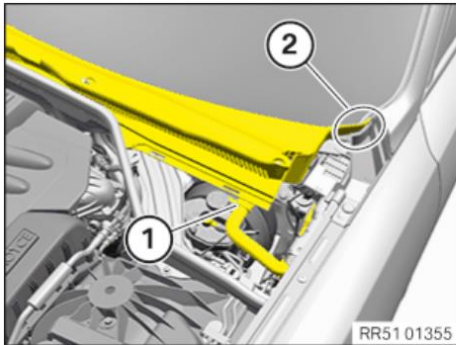
- Remove the protective cap (1).
- Loosen nut (2).



- Pull off the wiper arm (1) using special tool 0 493 441 (61 6 060).

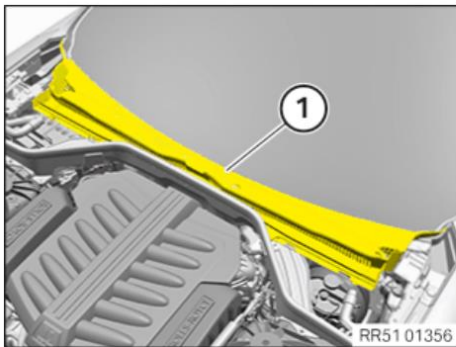
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7. Remove scuttle panel trim. (REP-REP-P-5113116-RR21 - V.2)



NOTICE
Perform the steps on the left and right side.

- Release the water drain hose (1) from the cowl panel cover.
- Release the cowl panel cover in the area (2) from the side cover.



- Pull off the cowl panel cover (1) towards the top, starting from the side.

8. Remove drain cover on the DSC unit side (different LHD RHD).



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9. Remove grommets for support bolts and the washer bottle filler neck.



10. Remove lower bolts for support (torque: 56Nm + 90° – Replace bolts)



11. Remove upper support bolts (torque 56Nm)



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12. Remove wiper motor and linkage (Torque 12nm), pay attention to red lock tab on wiper motor plug.



13. Unlock and disconnect/unplug DSCi Hydraulic Unit electrical connection. Red lock tab across, depress black lug, open with grey lever arm, and disconnect.



14. Drain brake fluid from reservoir.

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15. Undo brake pipe connections (19Nm).
Note: When reassembling, please ensure the brake lines are reconnected to the correct outlet on the DSCi unit.

i TECHNICAL INFORMATION

Do not interchange brake lines. **Mark the brake lines before disassembly (e.g. VL/VR/HR/HL).**

Do not bend brake lines.

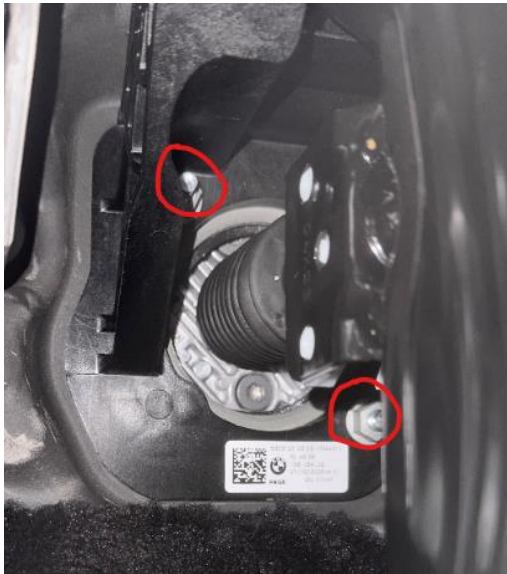
Seal off connecting bores with seal plugs.

16. Disconnect level sensor on reservoir.
17. Separate the brake pedal from the DSCi Hydraulic unit using special tool 83 30 2 409 646. Insert the tool between the brake pedal and the DSCi Hydraulic Unit ball joint. Please note, if you do not have this tool, it is possible to gently pry the ball joint free using a lever/pry bar and a set of vice grips.
Position the threaded bolt against the bulkhead, and gently lever in the direction of the arrow.
Do not press against the white plastic insert of the brake pedal assembly, risk of damage.

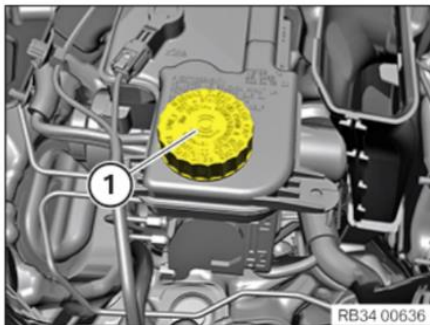


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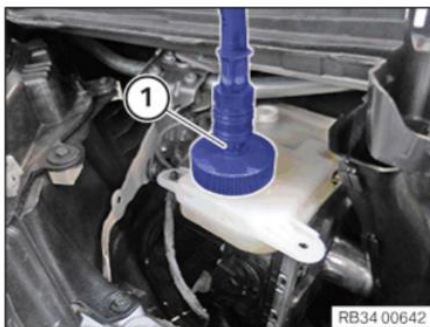
18. Release 2 retaining nuts for hydraulic unit assembly (Torque 21Nm – replace nuts).



19. Remove DSCi Hydraulic Unit.
20. Install new DSCi Hydraulic Unit.
21. Carry out manual brake fluid bleed in the following order:



- Open sealing cap (1).



i TECHNICAL INFORMATION

Use only BMW approved brake fluids, see operating fluids.

RISK OF DAMAGE

Paint damage.
Mechanical or chemical impacts may lead to paint damage.

- Cover up working area with specified covering material only.

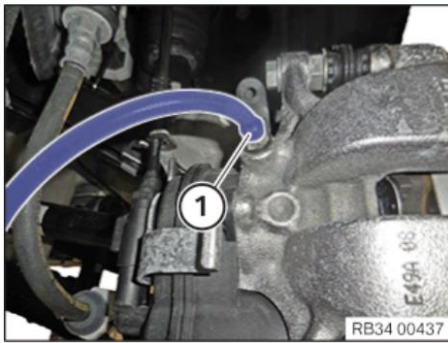
- Connect the bleeder unit (1) to the brake fluid expansion tank and switch it on.
Observe the operating instructions of the corresponding equipment manufacturer.
- Do not exceed the filling pressure of 2 bar.

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LHD vehicle: Rear Right, Rear Left, Front Right, Front Left

NOTICE

Description is for right component only. The procedure on the left side is identical.



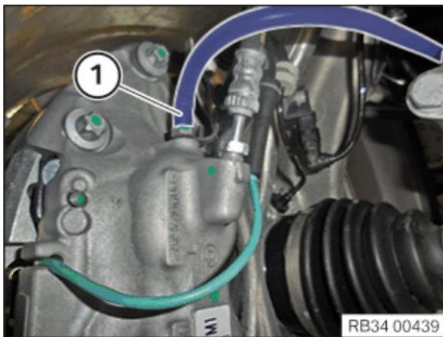
- Work through the instructions in the service function in sequence.
- Start flushing at the rear right.
- Connect the vent hose with the collecting vessel to the vent valve (1) on rear right brake caliper.
- Open the vent valve (1) and purge it until clear, bubble-free brake fluid emerges.
- Close vent valve.

Tightening torques

Rear vent valve

Vent valve	Tightening torque	10Nm
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- Carry out the same procedure on the rear left wheel brake.

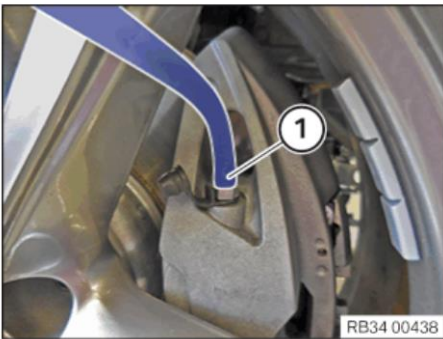


- Start flushing at the front right.
- Connect the vent hose with the collecting vessel to the vent valve (1) on front right brake caliper.
- Open the vent valve (1) and purge it until clear, bubble-free brake fluid emerges.
- Close vent valve (1).

Tightening torques

Front vent valve Brake calliper manufacturer Brembo

Vent valve	Tightening torque	18Nm
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- Connect the vent hose with the collecting vessel to the vent valve (1) on the front right brake caliper.
- Open the vent valve (1) and purge it until clear, bubble-free brake fluid emerges.
- Close vent valve (1).

Tightening torques

Front vent valve Brake calliper manufacturer Brembo

Vent valve	Tightening torque	18Nm
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22. Re-energize HV and 12v system. (REP-REP-P-6125900-18 - V.1)
23. Connect vehicle to ISTA and perform replacement DSC unit programming and encoding.

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24. Carry out full bleed and vent service function test module.

Operations	Vehicle information	Vehicle management	Service plan	Workshop/ Operating fluids	Measuring devices	
Repair/ maintenance	Troubleshooting	Service functions	Software update	Control Unit Replacement	Vehicle modification	

Service Functions

Chassis and suspension / Integrated brake system Collapse all

Type ▲	Title
ABL	Adjustment of the driving dynamics sensors
ABL	Brake bleeding routine
ABL	Brake fluid renewal
ABL	DSC control unit adjustment
ABL	Supply to the DSC Dynamic Stability Control
SSP	Dynamic Stability Control (DSC) supply / Virtual integratic

Hits: 6 / 6 Filter: Default
 not called performed minimized canceled suspected

Note: Verify brake fluid level is at max reading.

25. Reassemble vehicle.

26. Road test, function check and read fault memory.

Parts Information

Description	Part Number	Quantity
Power Brake (DSCi unit)	34 50 5A8D8B0	1
Seal, brake booster	34 51 6893390	1
Self-locking collar nut	07 11 9904295	2
Hexagon screw with flange (M10x45)	51 71 6966566	4
Cable tie	-	1

Note. Other small parts such as clips, blind rivets, screws, nuts, and seals, which must be replaced, based on the ISTA repair instructions, should be selected from the Electronic Parts Catalogue according to the respective vehicle type and invoiced under the special defect code.

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Warranty Information

Claims are subject to current Warranty terms.

Defect Code	00 34 68 02 00		
Labor Code	Description	Labor	Notes
34 51 100*	Removing and installing the hydraulic unit	23 FRU	Main work
34 51 600*	Removing and installing the hydraulic unit	22 FRU	Plusposition

* Only use **one** of the above codes.

Brake Fluid must be claimed using part number 07 53 0396438 (Maximum quantity 8 DL).

Important! When submitting a warranty claim, if the 'repair date' field in CAESAR is not filled in, it will default to the claim entry date. Therefore, it is important you add/manually enter the correct 'repair date' in the "repair date field" that corresponds to the last time stamp on your repair order for this repair. Submission of incorrect repair dates will lead to delays with claim processing.

Contact

If you have further questions, please contact your Regional Aftersales Manager (RAM).