



WATER LEAK IN LUGGAGE COMPARTMENT CAUSES AUTOMATIC TAILGATE TO FAIL

MODEL

G12 (7 series)			
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SITUATION

The automatic tailgate may not function intermittently or permanently.

The following faults may be stored in the tailgate function module (HKFM):

- 801712 - HKFM, automatic operation of tailgate: Right tailgate lift drive, line disconnection
- 801717 - HKFM, automatic operation of tailgate: Hall effect sensor 1 in right tailgate lift drive, short circuit to ground
- 801718 - HKFM, automatic operation of tailgate: Hall effect sensor 1 in right tailgate lift drive, short circuit to B+ or line disconnection
- 801719 - HKFM, automatic operation of tailgate: Hall effect sensor 2 in right tailgate lift drive, short circuit to ground
- 801720 - HKFM, automatic operation of tailgate: Hall effect sensor 2 in right tailgate lift drive, short circuit to B+ or line disconnection

CAUSE

The foam seals of the trunk water channel clips may be missing or damaged, allowing water to damage the right spindle drive.



CORRECTION

Inspect and replace any water channel clip with missing or damaged foam seals. Replace the right spindle drive, if damaged by water ingress.

PROCEDURE

Refer to repair procedure attachment.

PARTS INFORMATION

Part Number	Description	Quantity
07 14 7 446 452	Clip, bottom part	As needed-up to 4
If needed:		
Refer to ETK	Cover, water gutter, rear (left or right)	As needed up to 2
And if needed:		
Refer to ETK	Spindle drive, right	1

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Defect Code:	5171281300	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD2 as "Charging battery")
And, as necessary:		
51 99 000	1 FRU	Work time to inspect the right spindle drive and left spring for water ingress/corrosion

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead of 00 00 006.

And, additionally for the:

e-Vehicle

Labor Operation:	Labor Allowance:	Description:
61 25 910	Refer to KSD2	Recharging high-voltage battery unit (to high voltage charging socket)

And, if as described in this bulletin, water ingress/corrosion is found:

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Labor Operation:	Labor Allowance:	Description:
51 00 001	3 FRU	Work time to remove and install both water channels, inspect clips and replace as necessary
And, if necessary:		
51 24 851	Refer to KSD2	Remove and install/replace right spindle drive.

Refer to KSD2/AIR for the corresponding flat rate unit (FRU) allowances.

Work time labor operation codes 51 99 000 and 51 00 001 are not considered a Main labor operations. Also, since the "work time" FRU allowances to be claimed are specified, separate punch times are not required. However, they still require an explanation on the repair order and in the claim comments section.

Other Repairs

If other eligible and covered work is performed as a result inspecting the vehicle and/or performing ISTA diagnostics and the related test plans, claim this work with the applicable defect code and labor operations (including diagnosis) that are listed in the KSD2.

ATTACHMENTS

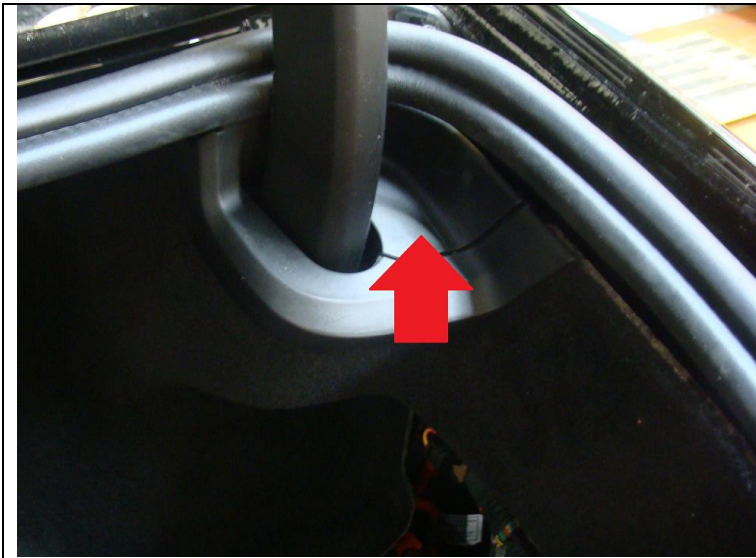
View PDF attachment [B51 02 18 Attachment](#).

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Water leak in luggage compartment repair attachment

Procedure:

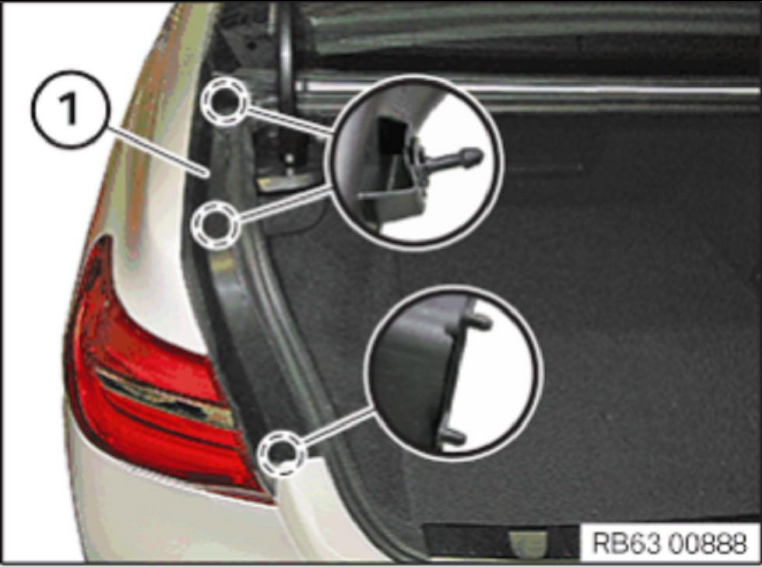

In case of customer complaint, perform a vehicle test and work through corresponding test modules for the automatic tailgate.


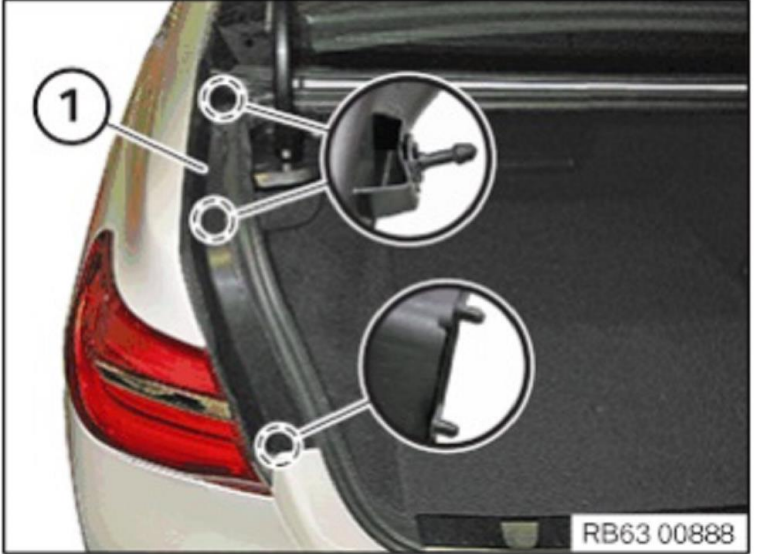


1. Gain access to inspect the spindle drive and tension spring by removing the trunk trim on both sides as shown to the left. Carefully lever upwards on the rearmost portion of the trim to remove.



2. Inspect the right side trunk spindle drive for corrosion or signs of water damage as shown to the left. Inspect the left side tension spring for signs of corrosion.

	<p>3. Was corrosion or water ingress of the trunk found?</p> <p>Yes: Proceed to step 4 to remove both water channels.</p> <p>No: Continue diagnostics for the automatic trunk.</p>
 <p>RB63 00888</p>	<p>4. Unclip both water channels using special tool 0 496 569 (00 9 325).</p>
 <p>GRUSB5118-105</p>	<p>5. With both water channels removed, inspect the foam sealing rings of all 4 retaining clips for damage.</p>

	<p>6. If any retaining clip seals are damaged or missing, replace the clips.</p>
	<p>7. Check the clips (1) and guides (2) on the water channels for damage. If water channel clips are damaged, the water channel must be replaced.</p>
	<p>8. Clip in both water channels.</p>
	<p>9. If corrosion was found on the right spindle drive, replace the right spindle drive following REP 51 24 351 “Removing and installing/replacing right spindle drive”.</p>

	<p>10. If corrosion damage was found to the right spindle drive or left tension spring, inspect the luggage compartment to ensure there is no additional damage from water ingress.</p>
	<p>11. Leak test the vehicle to ensure no water is leaking into the luggage compartment after repairs.</p>