

G38 SHD CANNOT CLOSE FROM TILT POSITION. DEALER SUPPORT WORK INSTRUCTION.

(Ref) G38 SHD cannot close from tilt position

1. Check Offset of SHD glass front side to car body.
检查天窗玻璃前端与车身的高度差



Front (前)

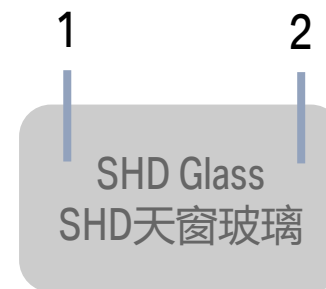
Front side of sunroof glass must be lower than car body around 1mm.
天窗玻璃前端需低于车身大约1毫米。

Adjust if necessary.

如果必要请调整天窗玻璃前端至低于车身1毫米。

Follow Repair Instruction: 5412003, special tool 51 0 010.

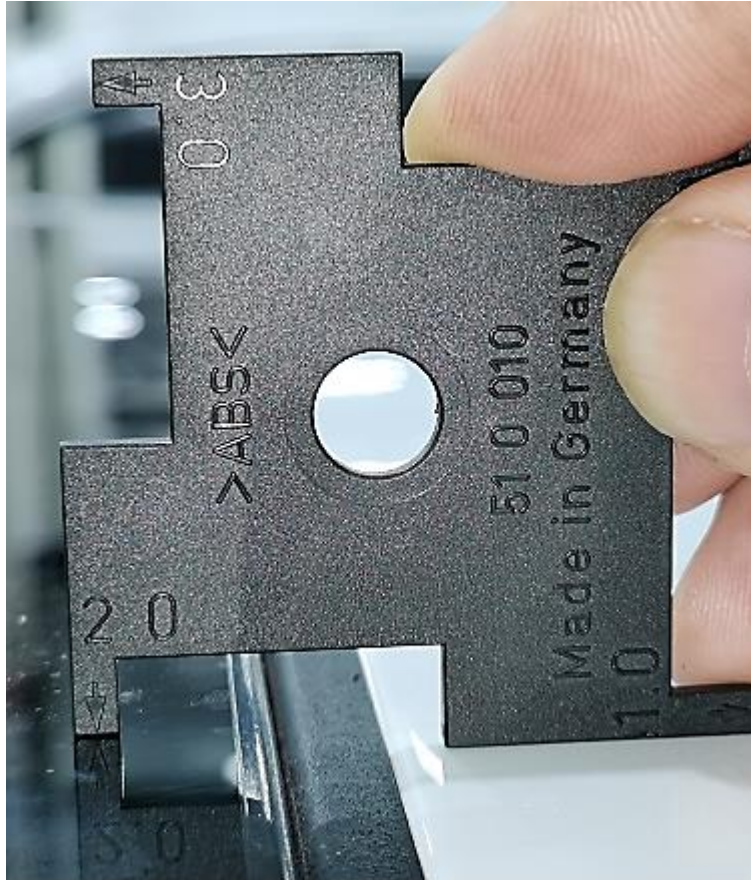
参照操作指导：5412003，特殊工具51 0 010。



Measurement points for SHD Glass position
SHD天窗玻璃位置测量点

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2. Check Offset of SHD glass rear side to car body. 检查天窗玻璃后端与车身的高度差



Rear (后)

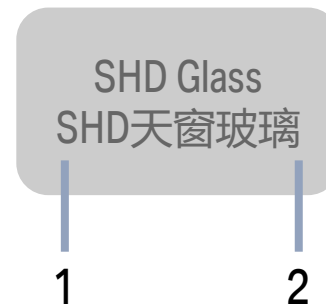
Rear side of sunroof glass must be higher than car body around 2mm.
天窗玻璃后端需高于车身大约两毫米。

Adjust if necessary.

如果必要请调整天窗玻璃后端至高于车身2毫米。

Follow Repair Instruction: 5412003, special tool 51 0 010.

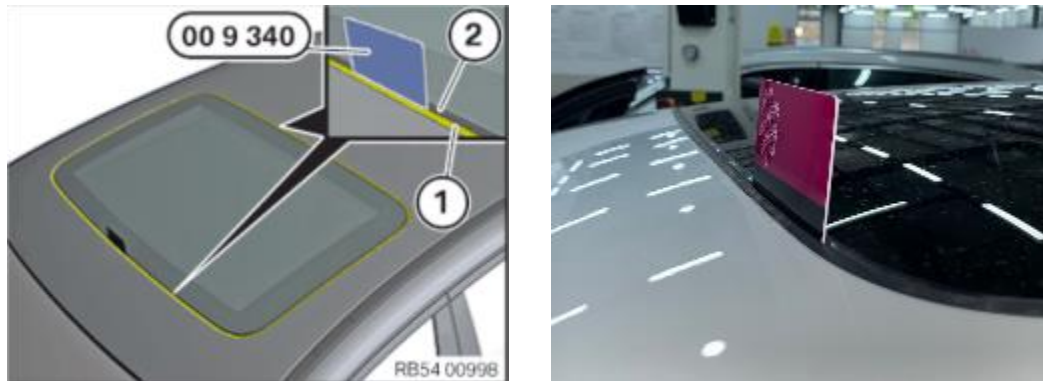
参照操作指导：5412003，特殊工具51 0 010。



Measurement points for SHD Glass position
SHD天窗玻璃位置测量点

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3. Check SHD Glass position. 检查天窗玻璃的前后端与密封条之间的间隙



Follow Repair Instruction: 5412003. (Special tool 00 9 340)
参照操作指导：5412003比较天窗玻璃前/后端与密封条之间的间隙。

Insert special tool or credit card between SHD glass and body seal.
将工具00 9 340 或者信用卡插入天窗玻璃与密封条之间。
The resistance when shifting the special tool must be higher at the front compared to the rear.
天窗玻璃前端与密封条之间的阻力应大于天窗玻璃后端与密封条之间的阻力。

4. Remove body sealing 拆除掉车身上旧的密封条



Body sealing
车身密封条

Follow Repair Instruction: 5412117.
参照返修指导：5412117。

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5. Assemble new body sealing 安装从售后订购的密封条

Follow Repair Instruction: 5412117.
参照操作指导：5412117。



Body sealing
车身密封条

6. Check SHD Mechanism 检查天窗的机械结构

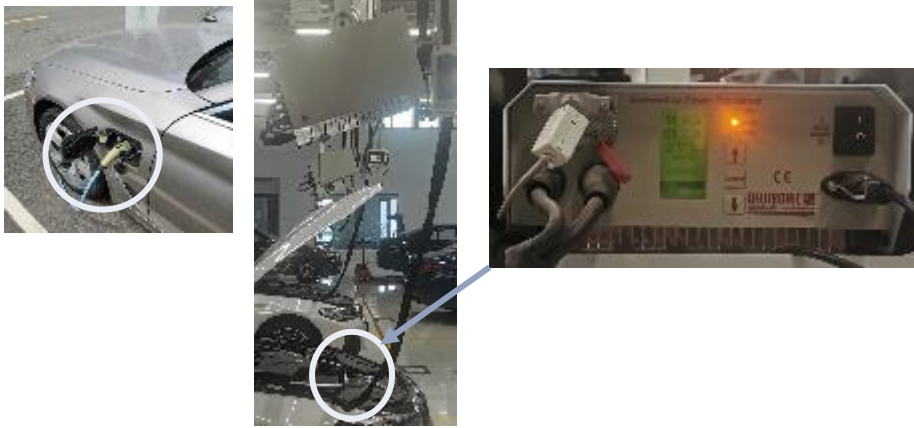
Check the surface of mechanism, glass, guide rail and seal, make sure the surface is clean, the grease is enough (follow Repair Instruction: Panorama Glass Roof Lubrication REH-HIN-P-5410-G05 - V.3)
检查天窗机械结构、天窗玻璃、导轨和密封条表面，确保表面干净并且导轨内润滑脂充足。（参照操作指导：全景天窗涂润滑脂 REH-HIN-P-5410-G05-V.3）



Guide rail
导轨

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7. Disconnect external battery charger and assemble SHD glass bellows (if removed during glass adjustment).
移除外部充电电源及安装天窗波纹饰板（如果在调整玻璃过程拆掉过天窗波纹饰板）



Assemble SHD Glass bellow.
(Repair Instruction: 5412003)
安装小天窗的波纹饰板
参照操作指导：5412003

8. Carry out manual initialization at room temperature using the sunroof switch.
室温条件下手动初始化



Refer Repair Instruction: 5412003 (Step No. 4)
参照操作指导：5412003第四步操作

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**9. 5 times open/close SHD Glass + 5 times tilt/close SHD Glass
操作5次天窗全开/全关以及5次翘起/关闭**

**10. Check SHD Glass Offset for Front and Rear of SHD Glass (like
Step No. 1 & 2)
重新检查天窗玻璃前/后端与车身的高低差 (参考第1步和
第2部操作)**

Slight difference from original adjustment is acceptable.

Must follow:

Front side of glass must be lower than car body (maximum 2 mm)

Rear side of glass must be higher than car body (maximum 2 mm)

Adjust again follow Step No. 1 & 2, if necessary.

Follow Repair Instruction: 5412003, special tool 51 0 010.

检查结果与调整后的初始状态有轻微的差别可以接受。

必须遵循以下原则：

天窗玻璃前端必须低于车身（最大2毫米）

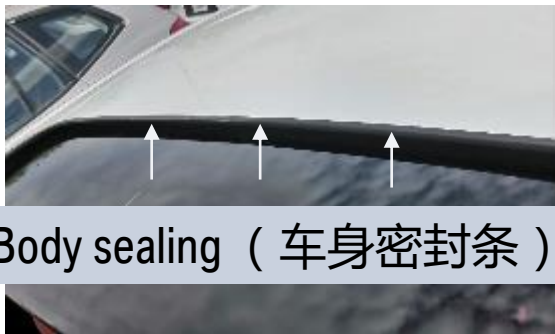
天窗玻璃后端必须高于车身（最大2毫米）

如有必要重复步骤1和2。

参照操作指导5412003进行操作，特殊工具为51 0 010。

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- 11. Clean the surface of body sealing and glass PU and ensure clean and dry.
清洁天窗玻璃PU和车身密封条以确保干净及干燥。**
- 12. Apply lubricant PF 1 (BMW Part number: 83 23 0 309 627) on body sealing and glass PU.
Keep the glass closed for 12 hours.
在车身密封条和玻璃PU上涂润滑脂PF1并保持天窗关闭12小时以上。 (BMW零件号 : 83 23 0 309 627)**



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13. Check SHD operations- 5 times open/close + 5 times tilt/close at room temperature

(Attention: do not initialize after lubricant application)

再次检查天窗功能-全部打开/关闭5次 及 翘起/关闭5次 (注意：涂完润滑脂后不要做初始化)

14. Check for wind noise/water test and other installation

检查风噪/淋雨及其它安装。