

RCI-52-26-002-1 R2 Body Panel Adjustment Guidelines

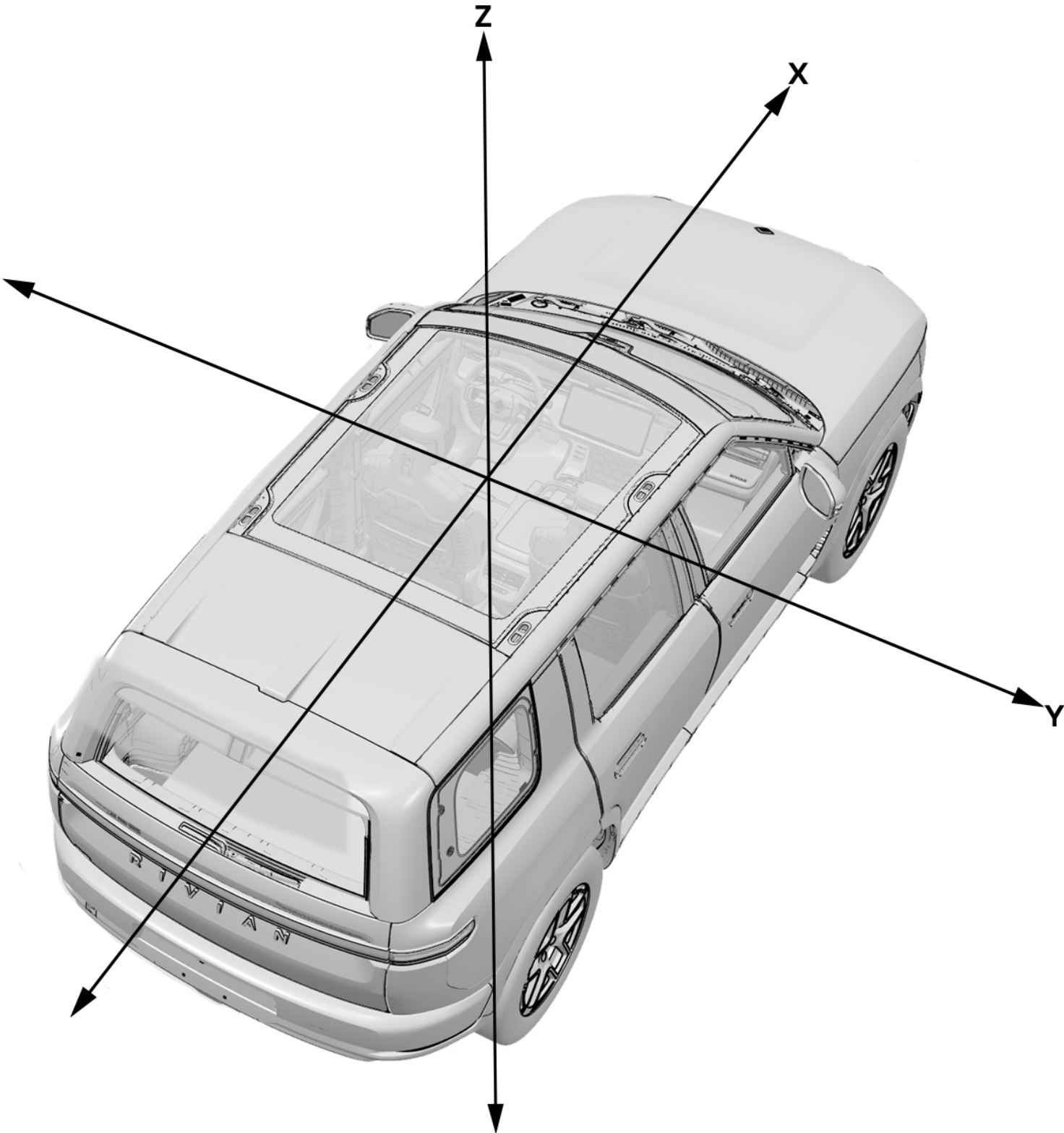
Rivian Automotive, LLC - Service Guideline

Document Type	Collision Repair Information Document
Date	August 5, 2026
Affected Region(s)	USA
Affected Model(s)	R2
Model Year(s)	2027+
Vehicle System	52 - Body

Important:

This document is intended as a general overview of vehicle body panel adjustment. Always refer to the Rivian Service Manual for vehicle specific information when servicing, removing, or adjusting vehicle components.

All R2 bolt-on body panels are adjustable in at least one axis. Because adjustments to one panel affect the alignment of those adjacent, a comprehensive approach is required. For example, moving a front door forward (X-axis) to decrease the fender gap will simultaneously increase the gap to the rear door. Adjust all panels according to the following specifications to ensure uniform gap and flushness across the vehicle.



Body Panel Adjustment Directions

Axis	Direction
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Axis	Direction
X	Forward and Backward
Y	Side to Side
Z	Up and Down

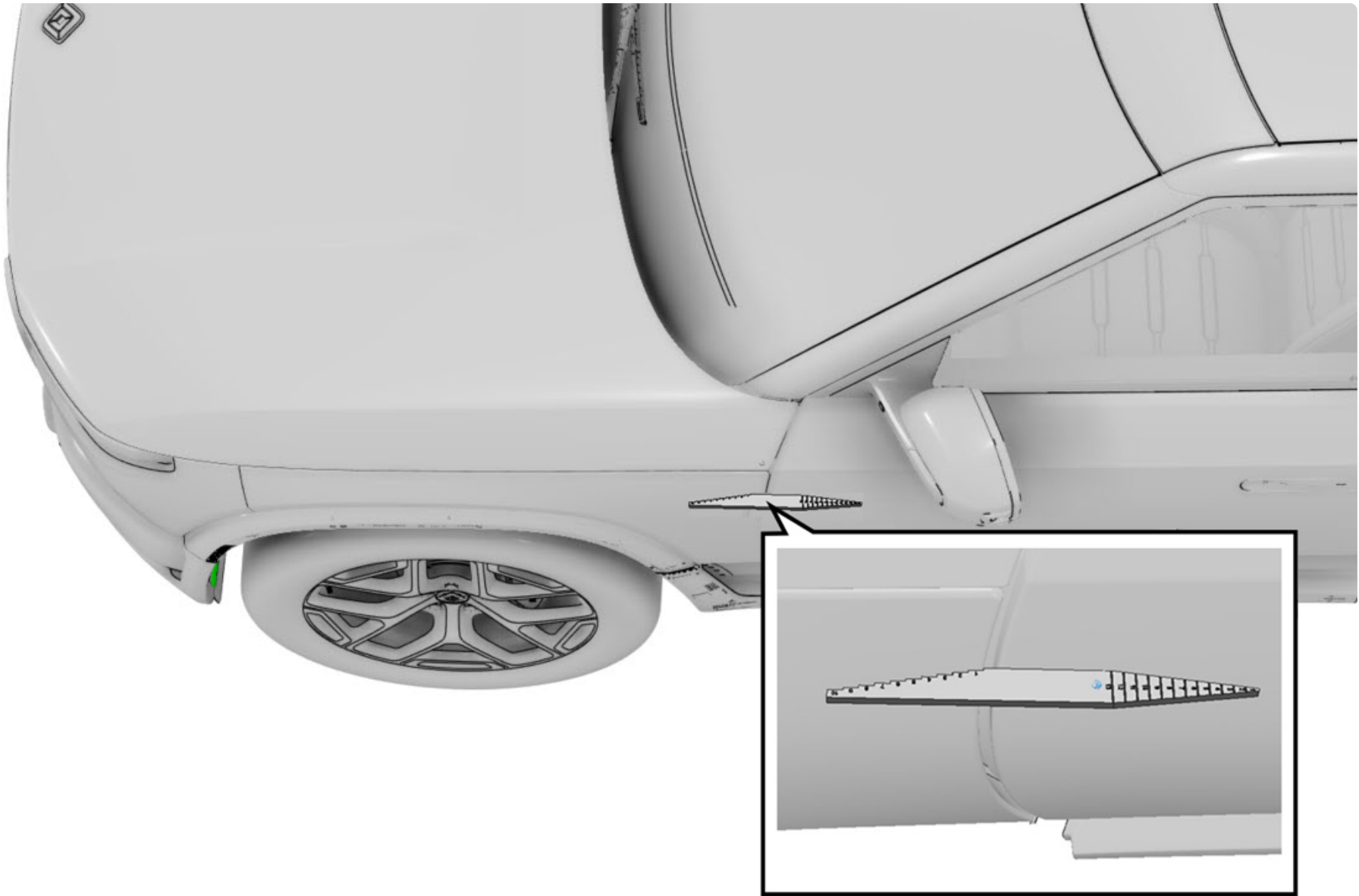
Special Tools Required:

Tool Number	Tool name
TSN00305	GAUGE, TAPER STEP
TSN00306	NO-MAR FEELER GAGE

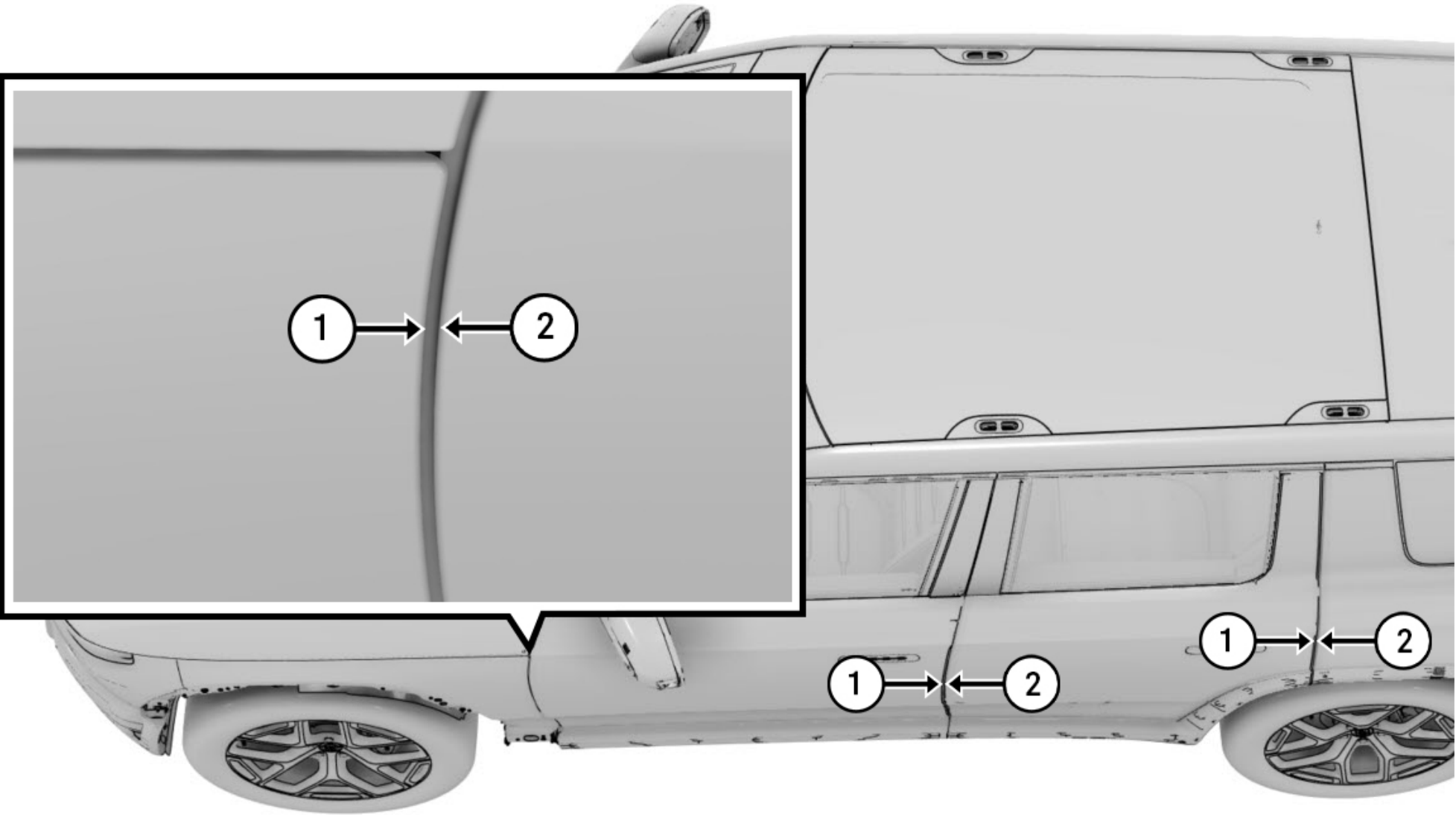
Best Practices for Inspection and Adjustment

Panel Fit Inspection

- Use only plastic gap and flush measurement tools to avoid paint damage when inspecting panel fitment.



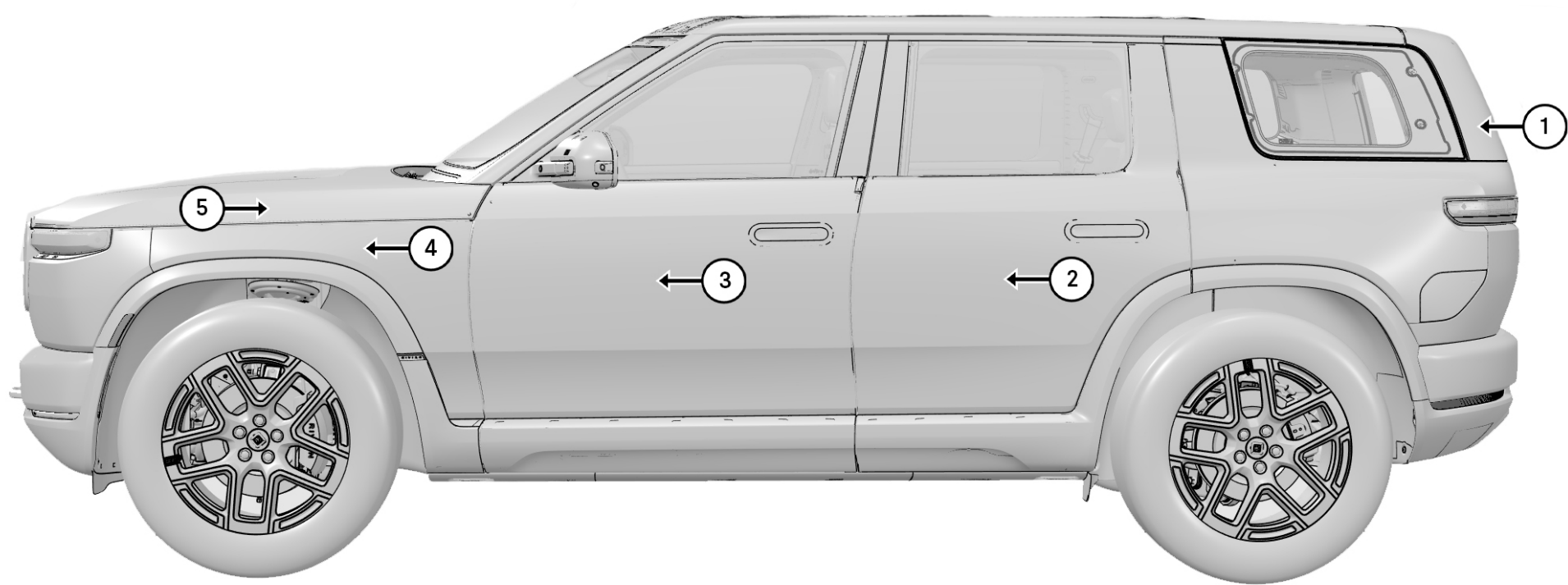
- Ensure closure panels achieve proper alignment without being forced into alignment by the latch and striker. Panel deflection observed during the final stage of latch engagement indicates striker-induced alignment which may introduce residual stresses that accelerate wear and risk premature failure of hinge and latch mechanisms.
- Verify gap and flush measurements remain uniform along all panels and exhibit strict cross-car symmetry. Ensure zero physical interference between panels and adjacent trim throughout the full range of operation
- To minimize wind noise, ensure all trailing edges are $\geq 0.5\text{mm}$ over-flush relative to the leading edge of the adjacent panel.



Callout	Measurement
1-2	0.5mm lower

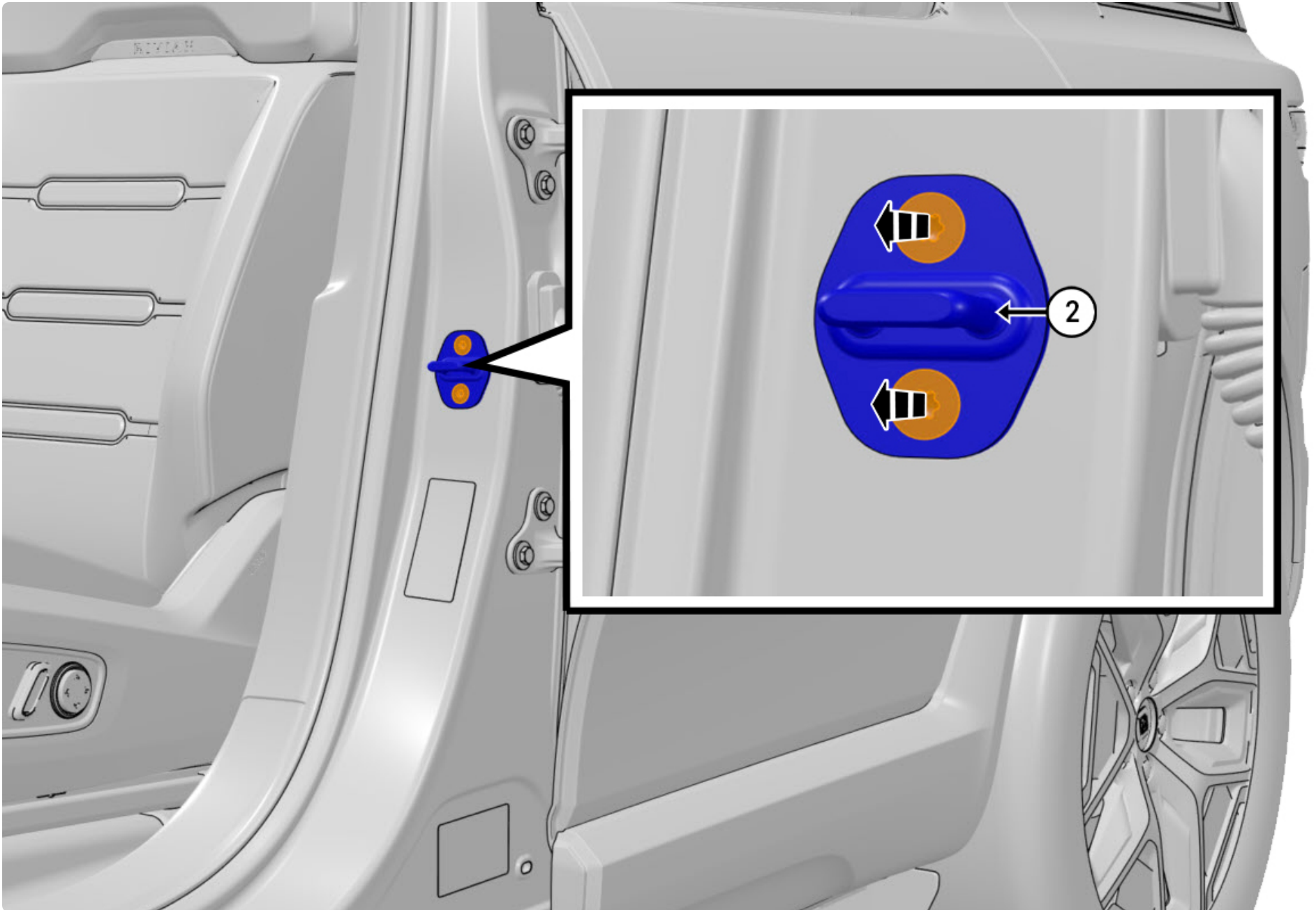
Panel Adjustment

- When panel adjustments are necessary, always start with the panel closest to a fixed panel on the vehicle. In the case of the R2, start with the misaligned panel closest to the rear bodyside panel.

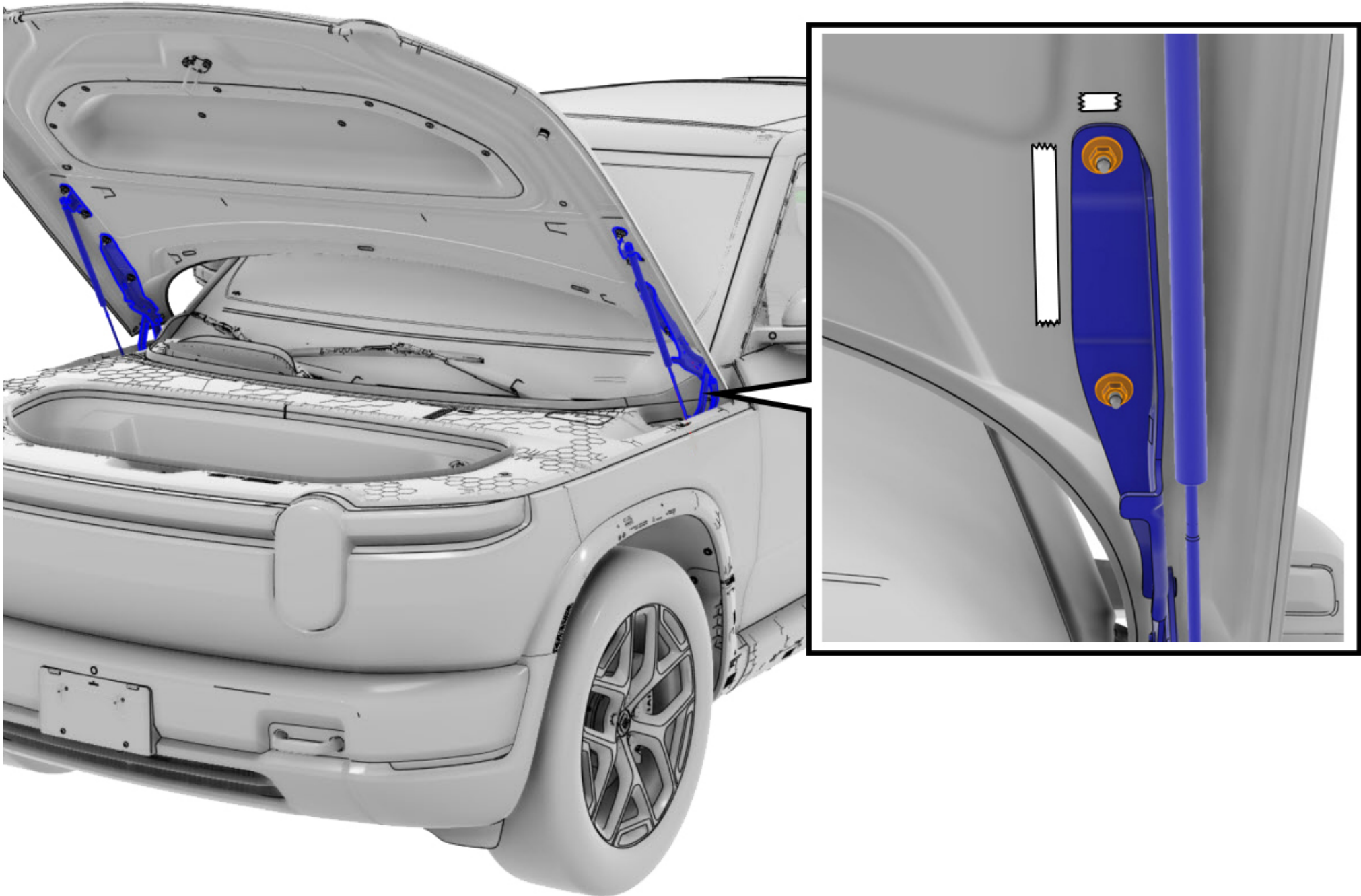


- Always pay close attention to the alignment of body lines when when making panel adjustments.

- Remove the striker for the closure while making adjustments for gaps or flush consistency to ensure it does not influence the adjustment process.



- Fasteners for the closure hinges and striker should only be loosened enough to allow movement of the closure assembly, or striker, while making adjustments.
- Striker should be reinstalled as the final step of the panel adjustment process to set the flushness of the panel when the closure is fully latched.
- It may be necessary to remove certain components to access all fasteners in order to make panel adjustments.
- Tape can be applied adjacent to hinges to keep track of how much the panel is moved while making adjustments.

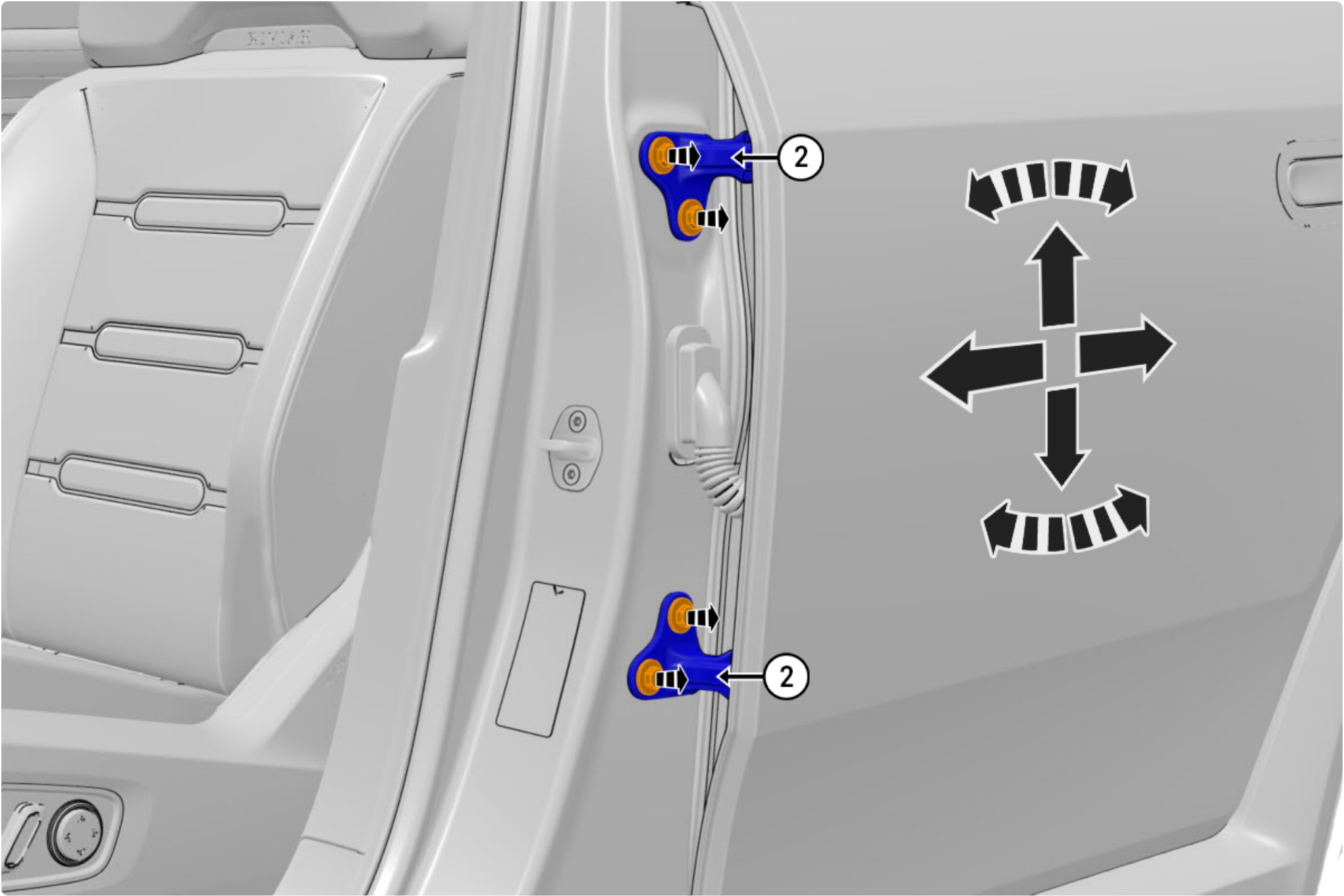


- Use painter’s tape on panel edge(s) when performing adjustments to reduce risk of paint damage.
- Adjustable bump stops should be set to apply slight tension on the closure when fully latched. The latch should not require excessive closing force, which can cause binding or excessive tension upon release.
- Apply touch-up paint on fasteners and surfaces, as needed, after adjustments are complete.

Panel Specific Information

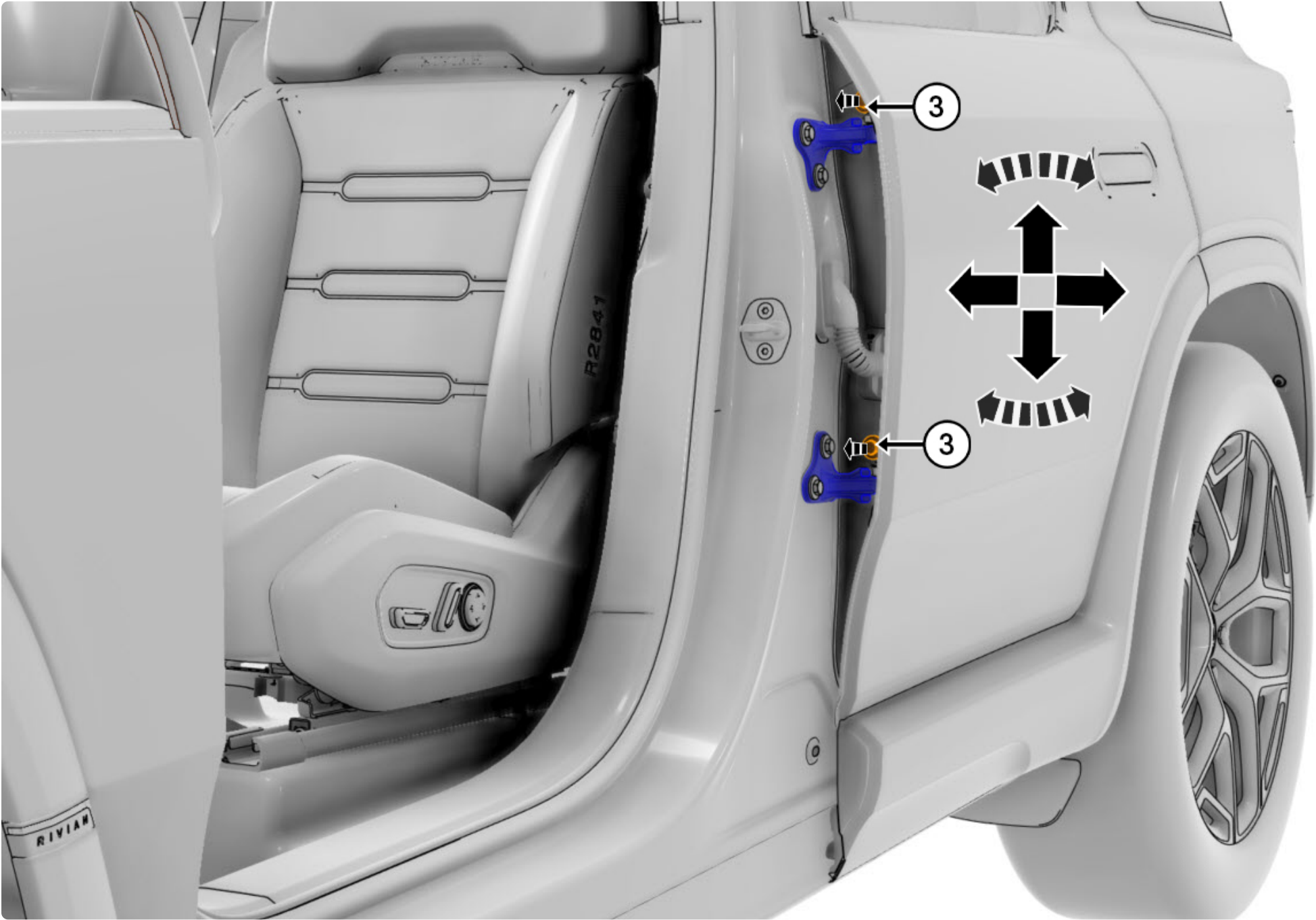
Rear Door Adjustment

Callout	Adjustment	Torque (Nm)
2	To shift and/or tilt the rear door forward or backward (X-axis) and/or up and down (Z-axis), loosen the indicated fasteners and adjust the panel to the desired position	38.5



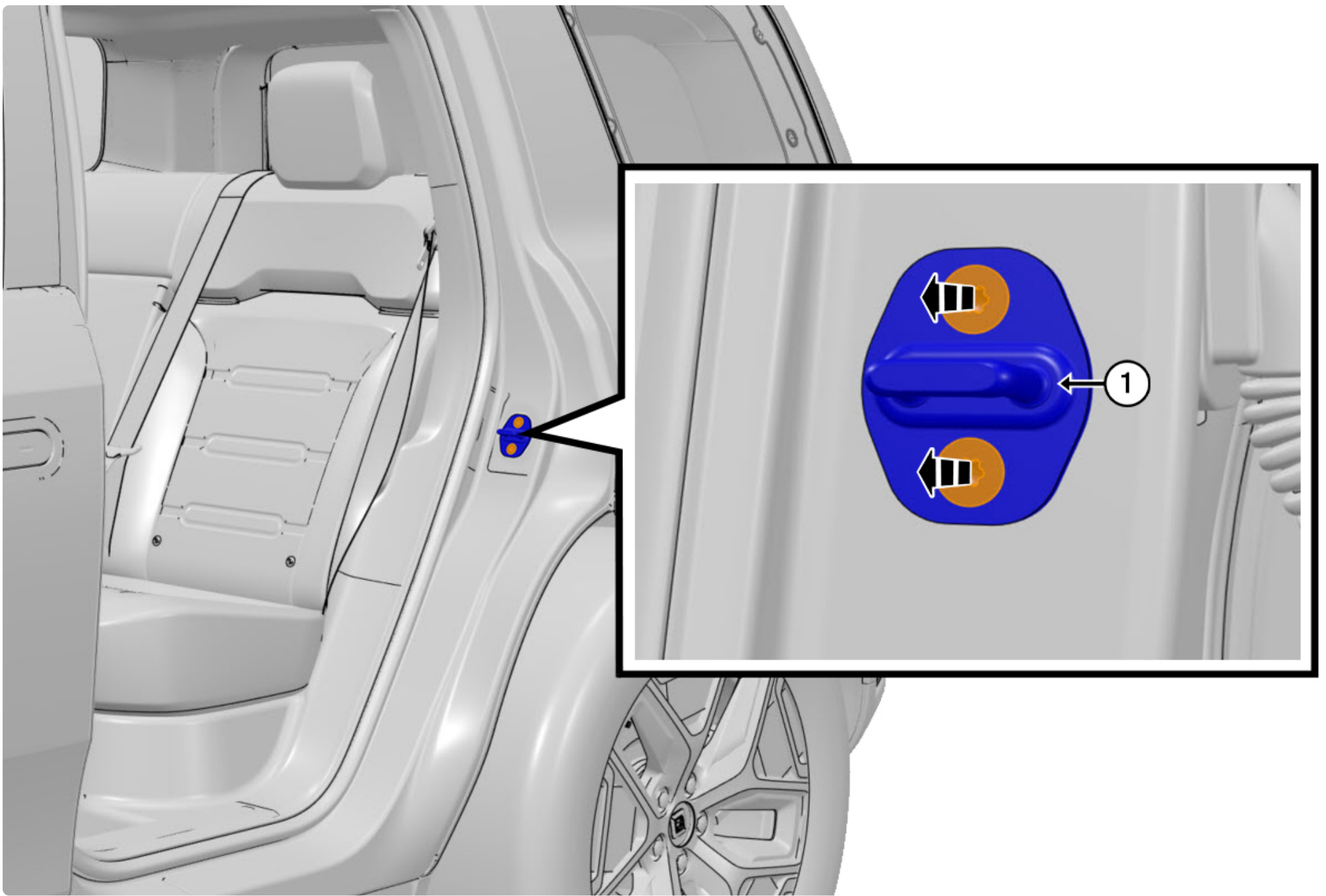
Callout	Adjustment	Torque (Nm)
3	To shift and/or tilt the rear door up and down (Z-axis) and/or side to side (Y-axis), loosen the indicated fasteners and adjust panel to the desired position.	38.5

Note:
Some components may be removed for image clarity. Unless otherwise noted, only remove the component(s) specified.



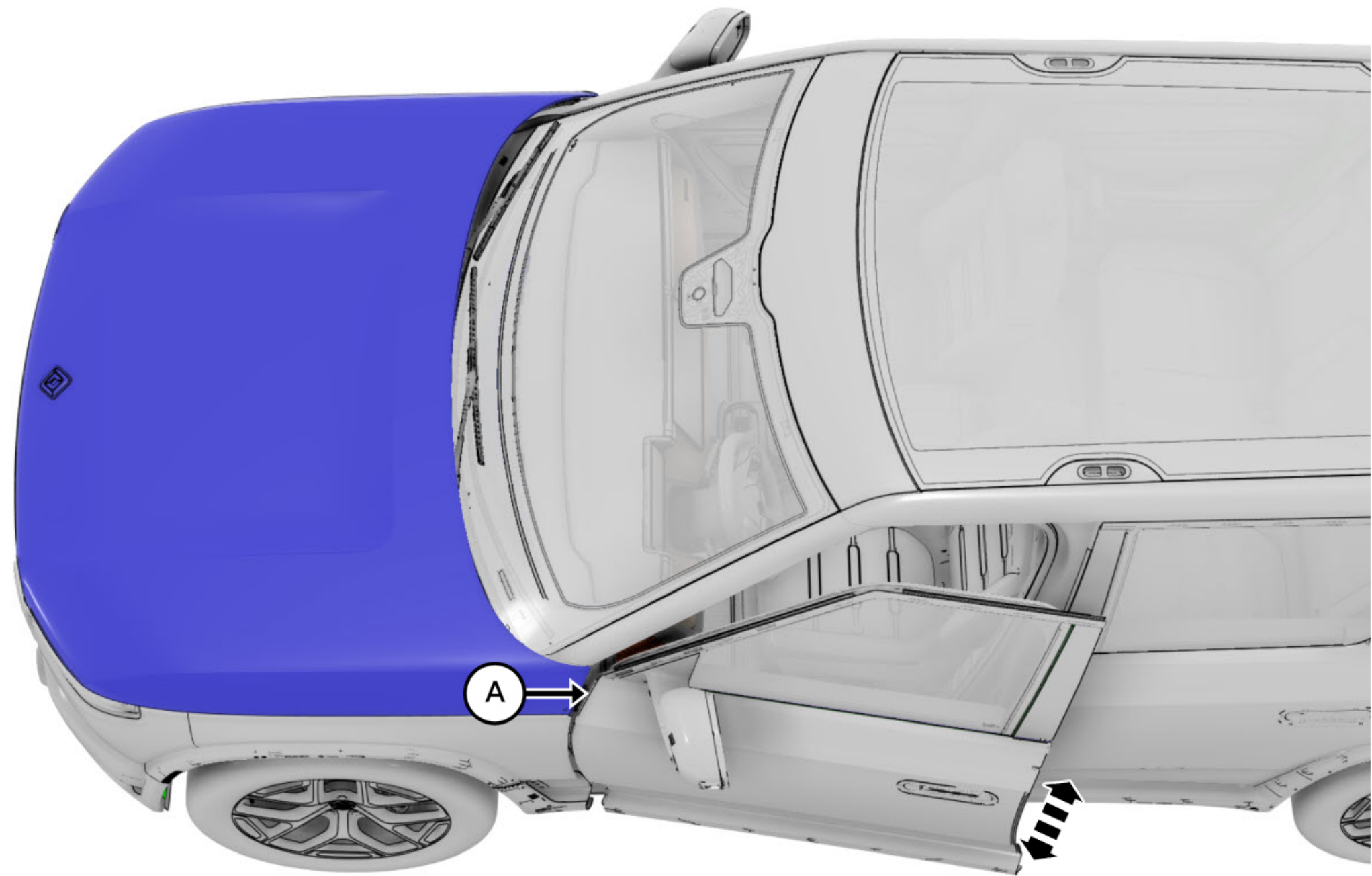
Callout	Adjustment	Torque (Nm)
1	To adjust door depth (Y-axis), loosen the indicated fasteners and set the panel to the desired depth.	18

Note:
Some components may be removed for image clarity. Unless otherwise noted, only remove the component(s) specified.



Front Door Adjustment

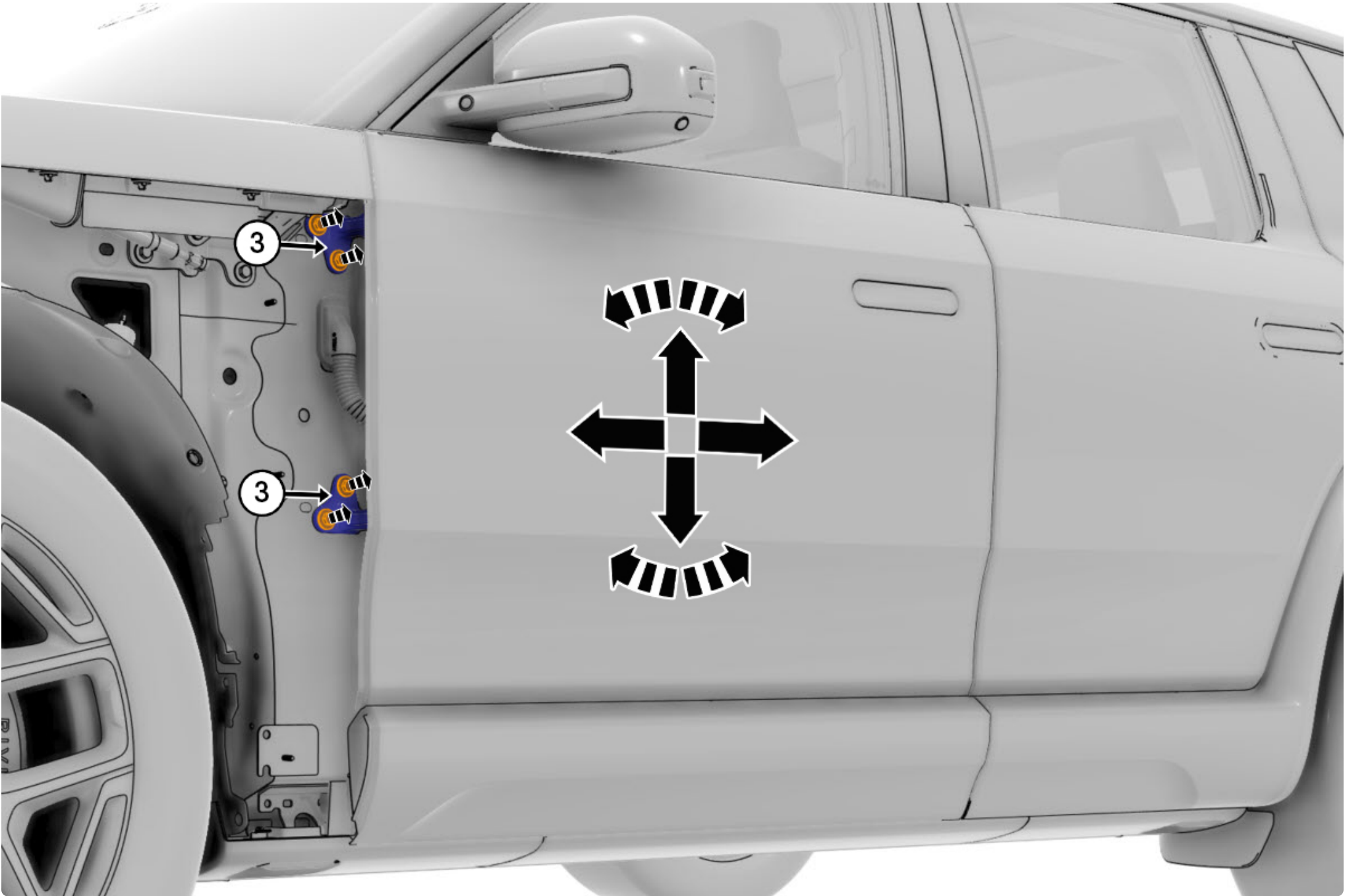
CAUTION:
Front door adjustments may result in contact between the hood and door during normal door operation. Ensure that there is sufficient clearance between the front edge of the door and rear corner of the hood after making adjustments, as shown below.



Callout	Measurement (mm)
A	≥2.5

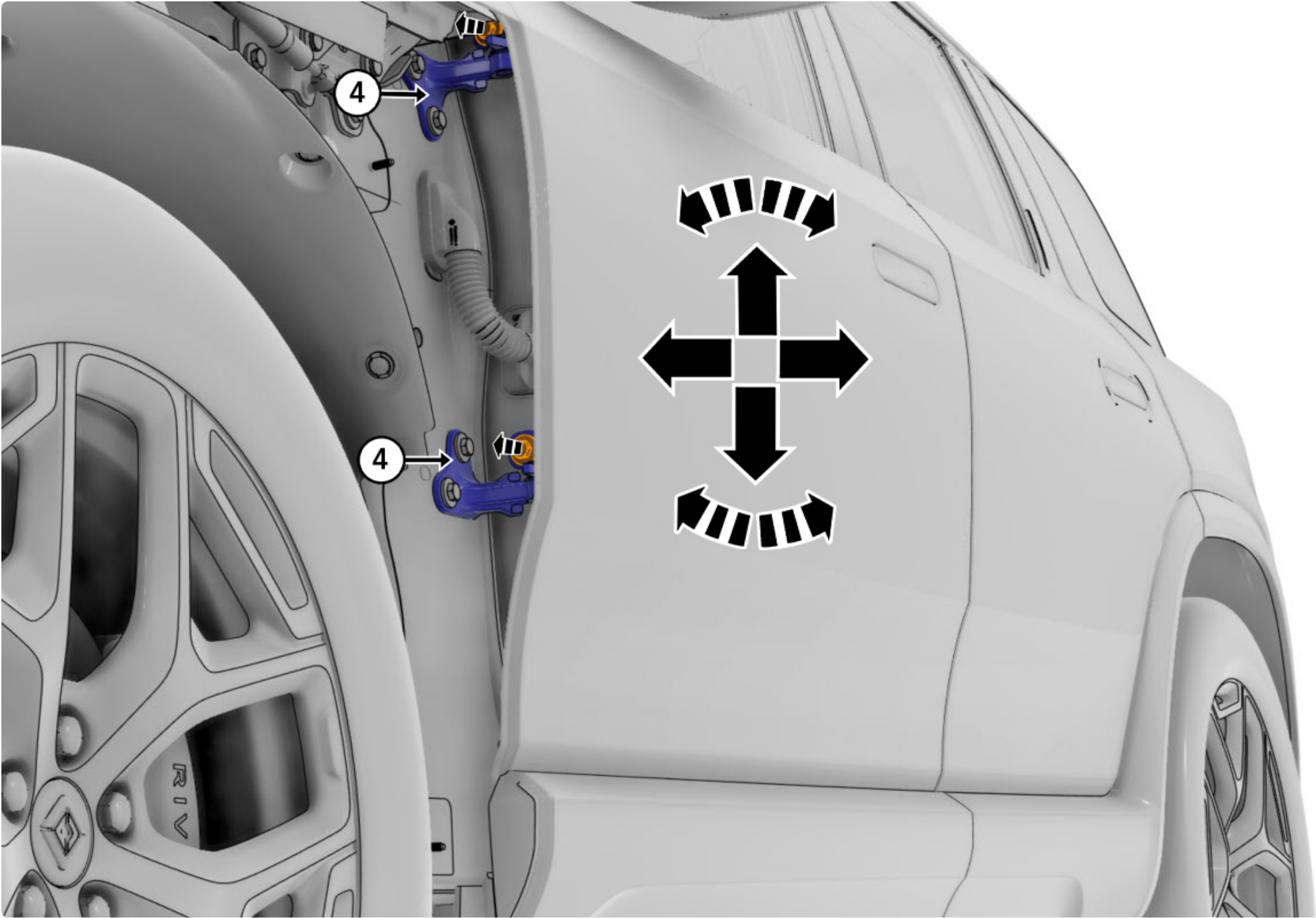
Callout	Adjustment	Torque (Nm)
3	To shift and/or tilt the front door forward or backward (X-axis) and or up and down (Z-axis), loosen the indicated fasteners and adjust the panel to the desired position.	38.5

Note:
Some components may be removed for image clarity. Unless otherwise noted, only remove the component(s) specified.

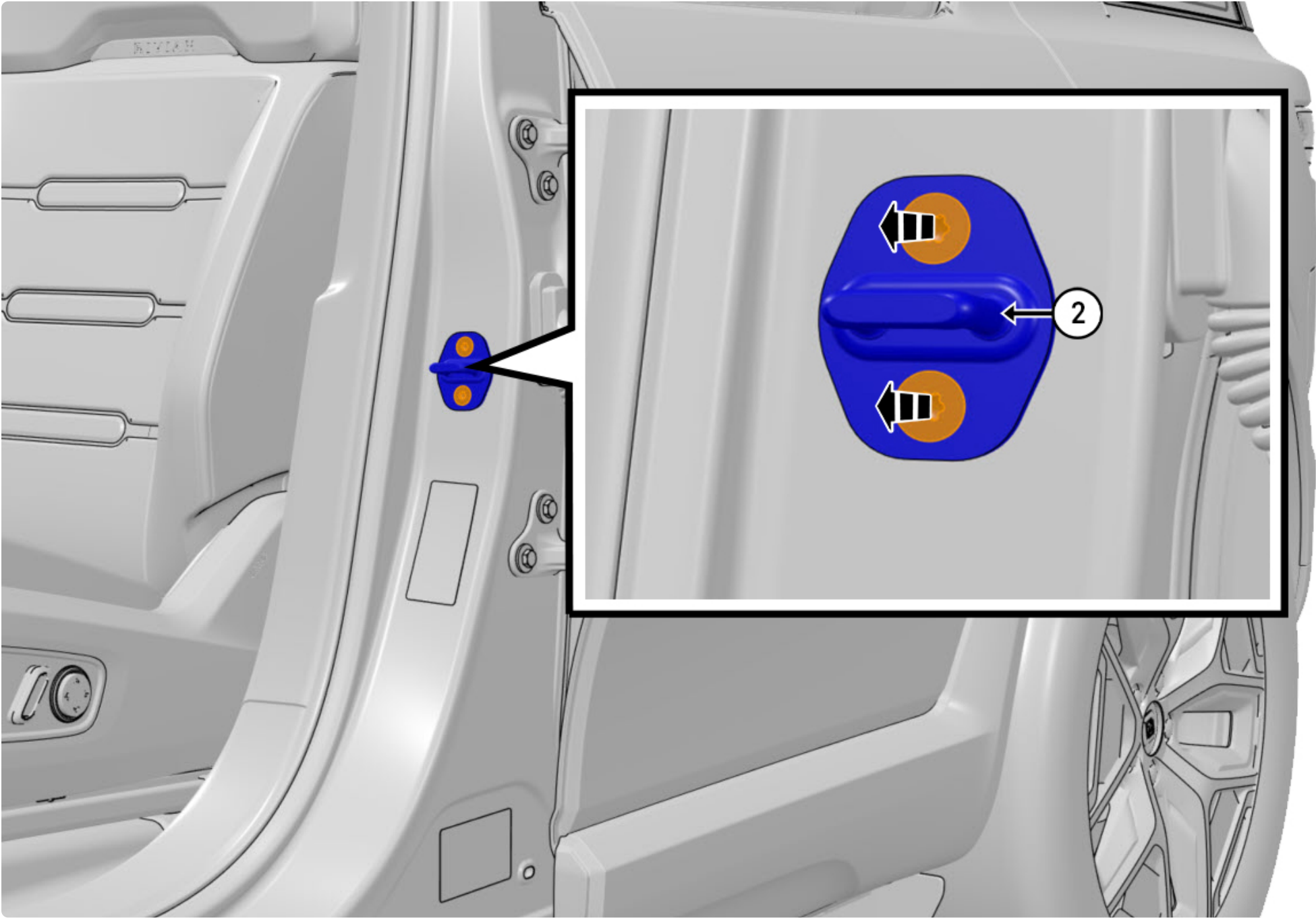


Callout	Adjustment	Torque (Nm)
4	To shift and/or tilt the front door up and down (Z-axis) and/or side to side (Y-Axis), loosen the indicated fasteners and adjust panel to the desired position.	38.5

Note:
Some components may be removed for image clarity. Unless otherwise noted, only remove the component(s) specified.

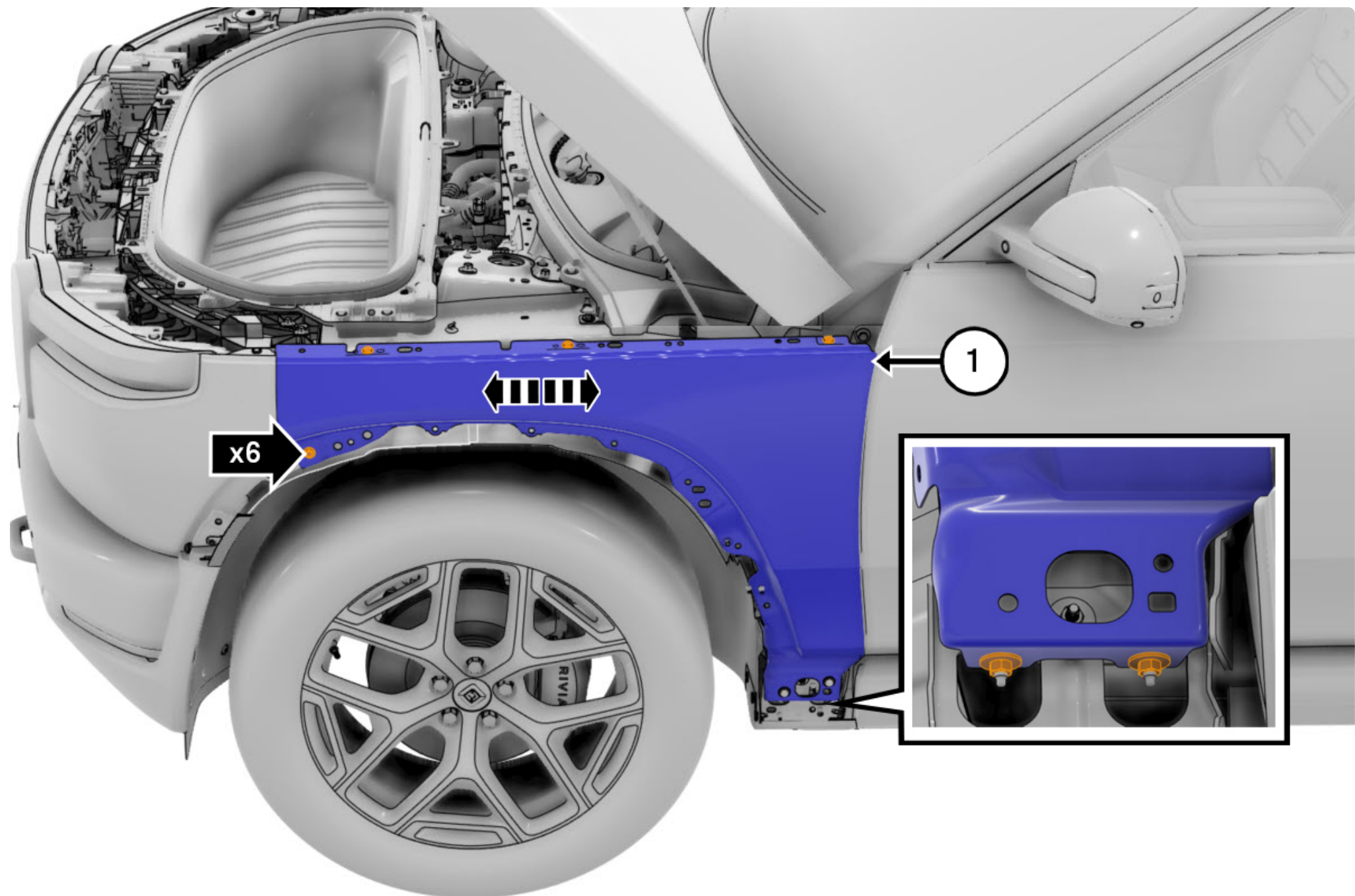


Callout	Adjustment	Torque (Nm)
2	To adjust the door depth (Y-axis), loosen the indicated fasteners and set the panel to the desired depth.	18

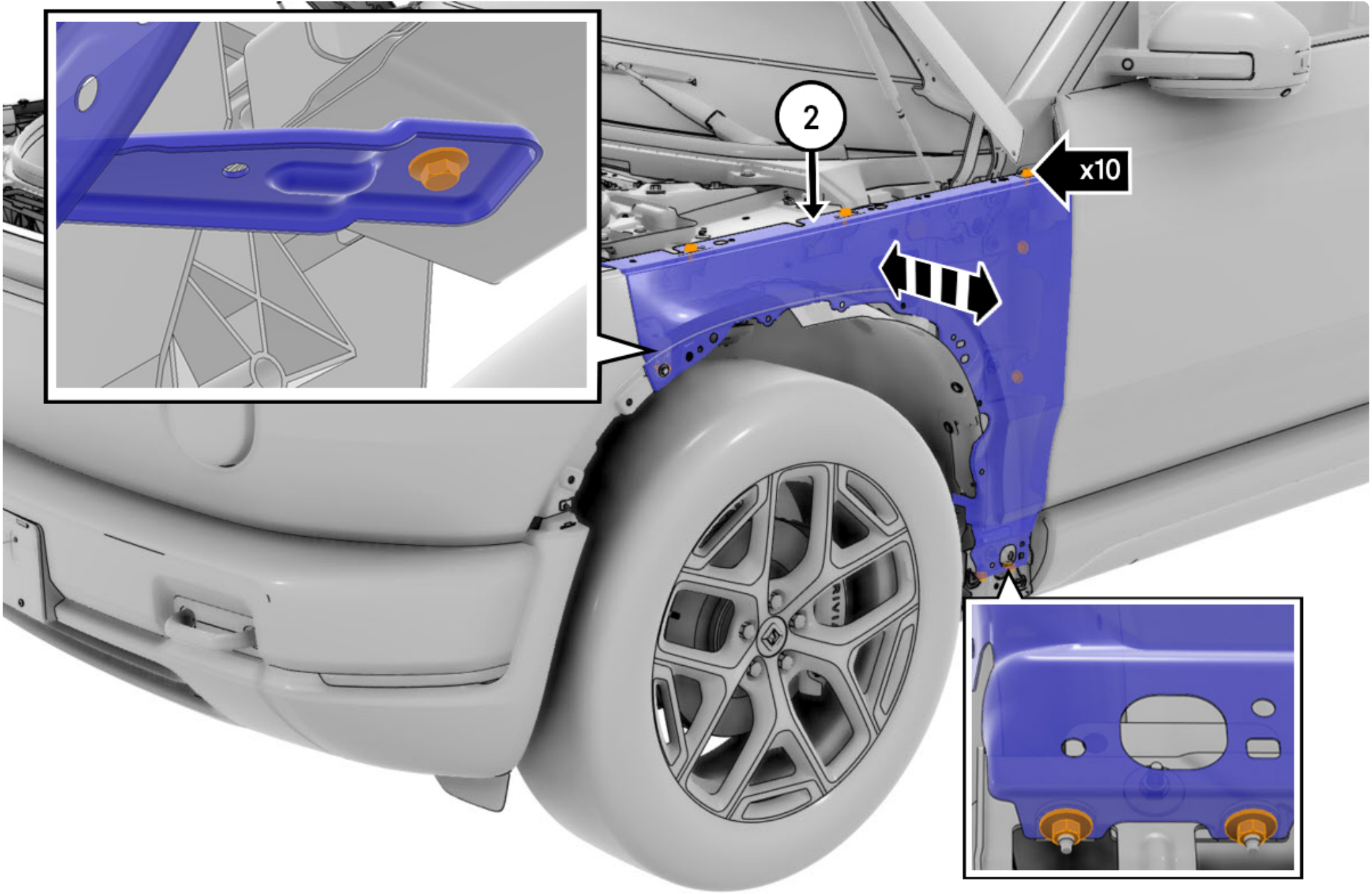


Fender Adjustment

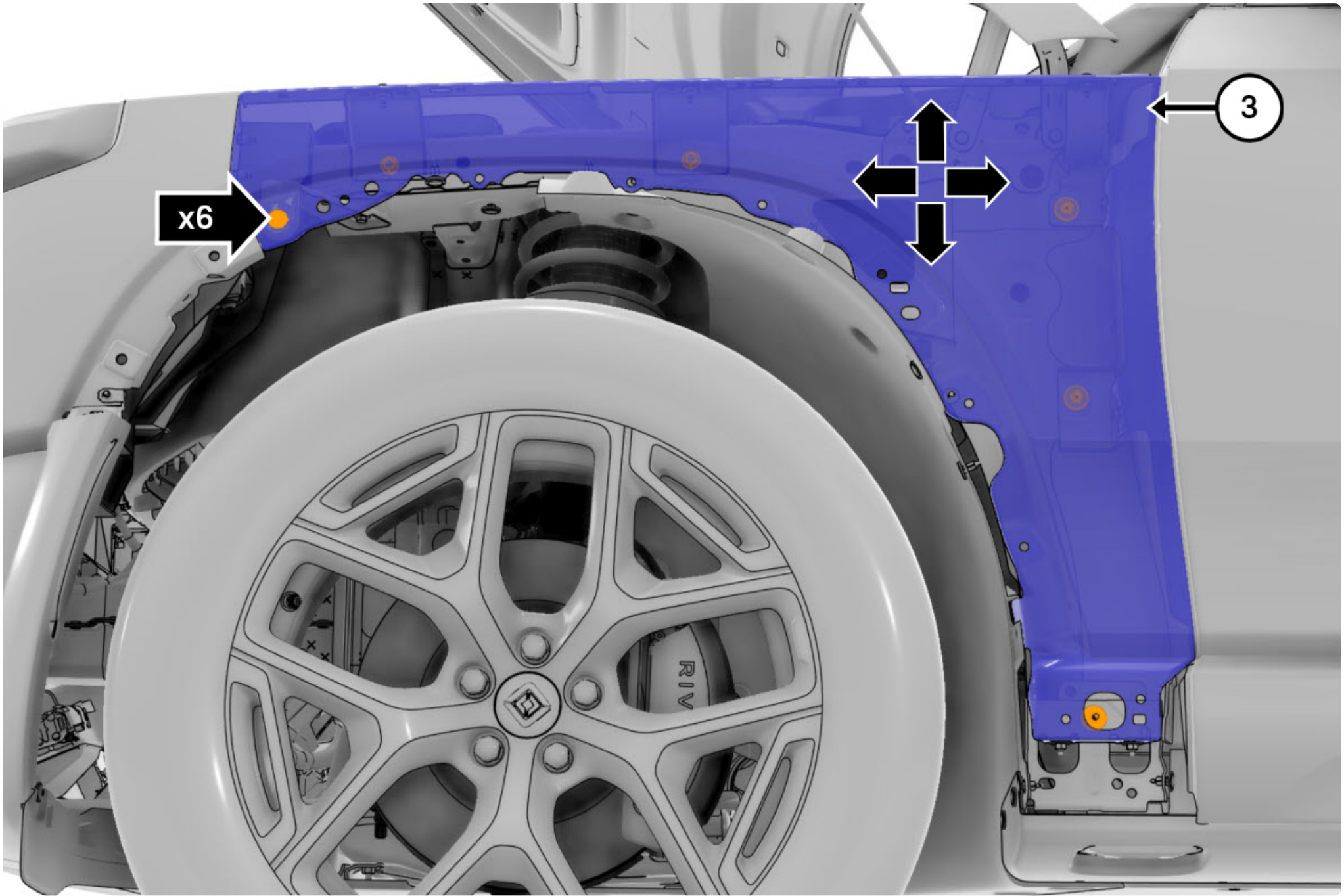
Callout	Adjustment	Torque (Nm)
1	To adjust forward or backward (X-axis), loosen the indicated fasteners and set the panel to the desired position.	9



Callout	Adjustment	Torque (Nm)
2	To adjust the alignment side to side (Y-axis), loosen the indicated fasteners and set the panel to the desired position.	9



Callout	Adjustment	Torque (Nm)
3	To adjust the fender forward or backward (X-axis) and/or up and down (Z-axis), loosen the indicated fasteners and set the panel to the desired position.	15



Hood Adjustment

CAUTION:

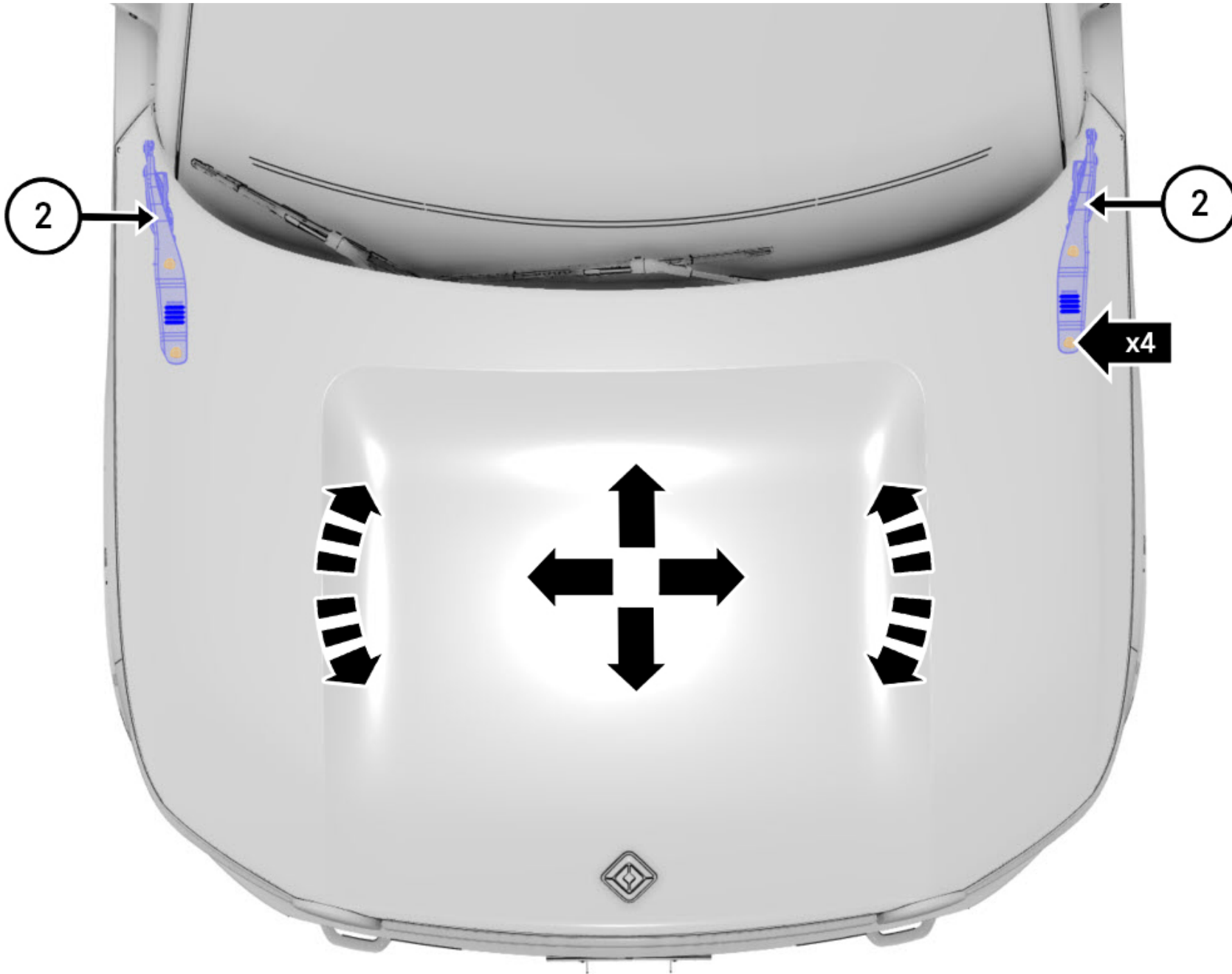
Front door adjustments may result in contact between the hood and door during normal door operation. Ensure that there is sufficient clearance between the front edge of the door and rear corner of the hood after making adjustments, as shown below.

A side-view technical illustration of the front of the vehicle. The hood is highlighted in blue. The front door is shown in an open position, with a dashed line indicating its range of motion. A circular callout with the letter 'A' points to the gap between the front edge of the door and the rear corner of the hood. A dashed arrow indicates the direction of door movement.

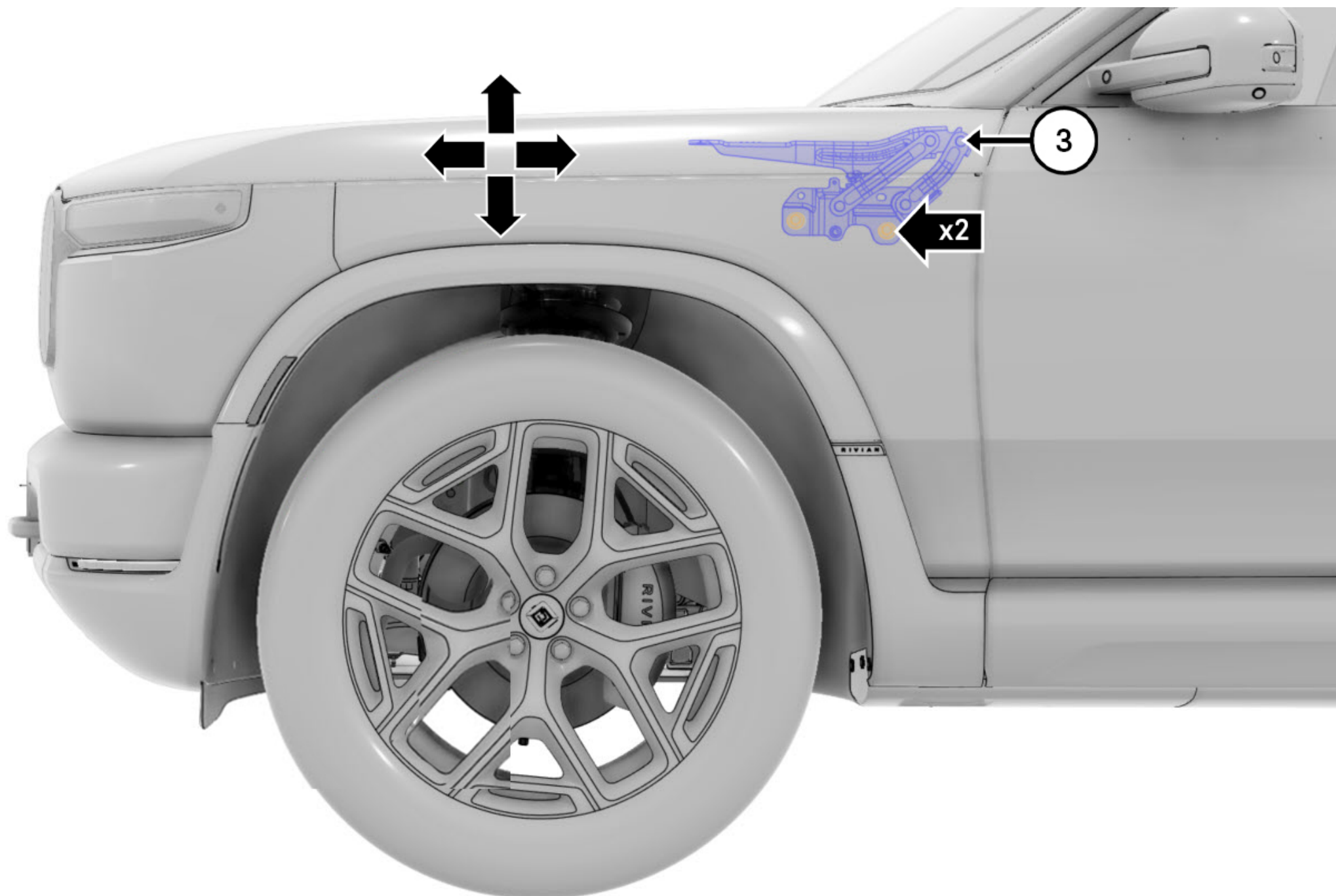
Callout	Measurement (mm)
A	≥2.5

Note:
The steps below may require assistance from a second person.

Callout	Adjustment	Torque (Nm)
1	To shift and/or tilt the hood alignment forward or backward (X-axis) and/or side to side (Y-axis), loosen the indicated fasteners and set the panel to the desired position.	19

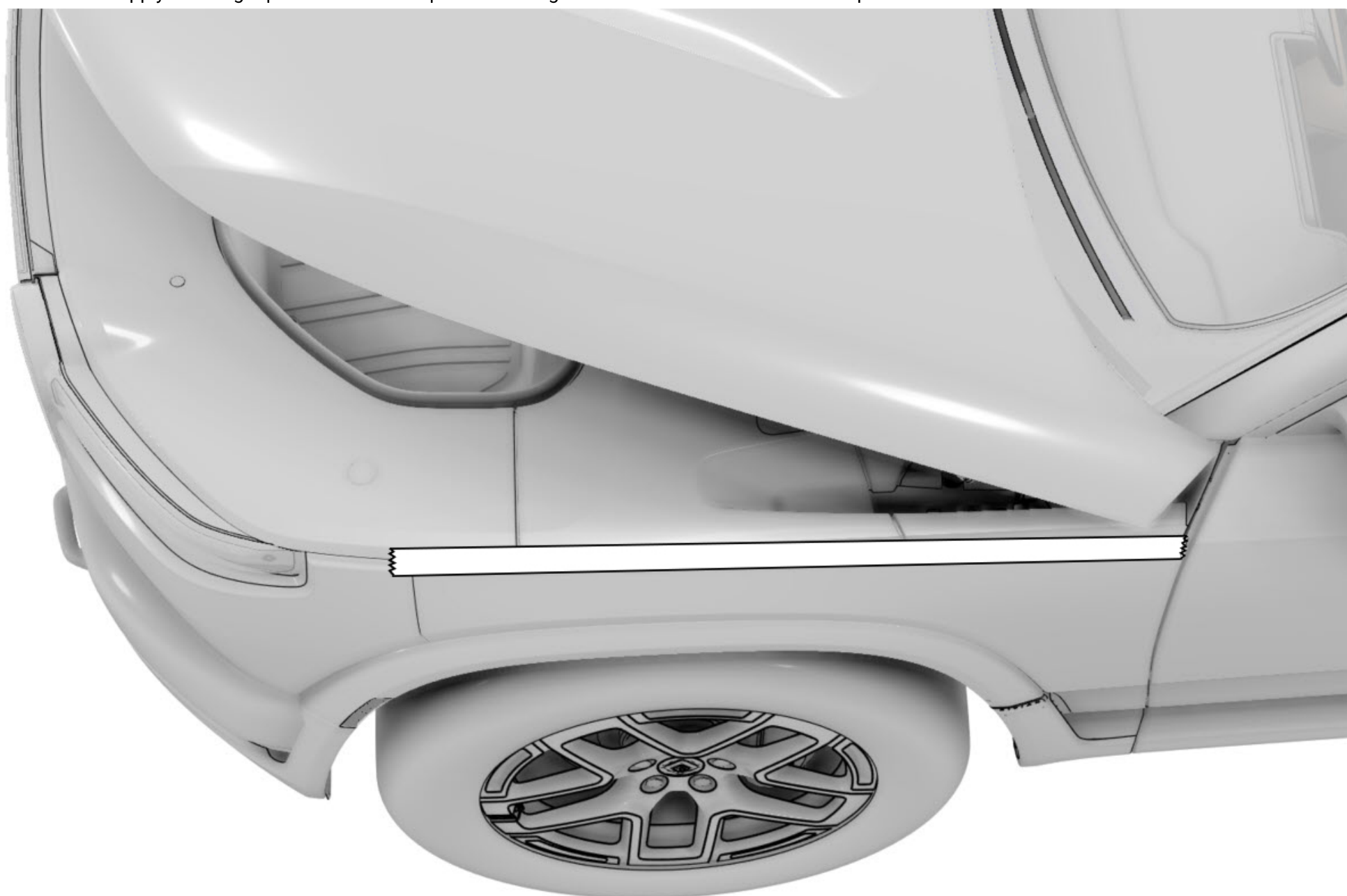


Callout	Adjustment	Torque (Nm)
3	To adjust hood alignment forward or backward (X-axis) and/or up and down (Z-axis), loosen the indicated fasteners and set the panel to the desired position Important: Adjustments in <u>Z axis</u> via the hinge to body bolts will only affect the rear section of the hood. Hood latch and bump stop adjustments will set the Z axis height at the front of the hood.	25

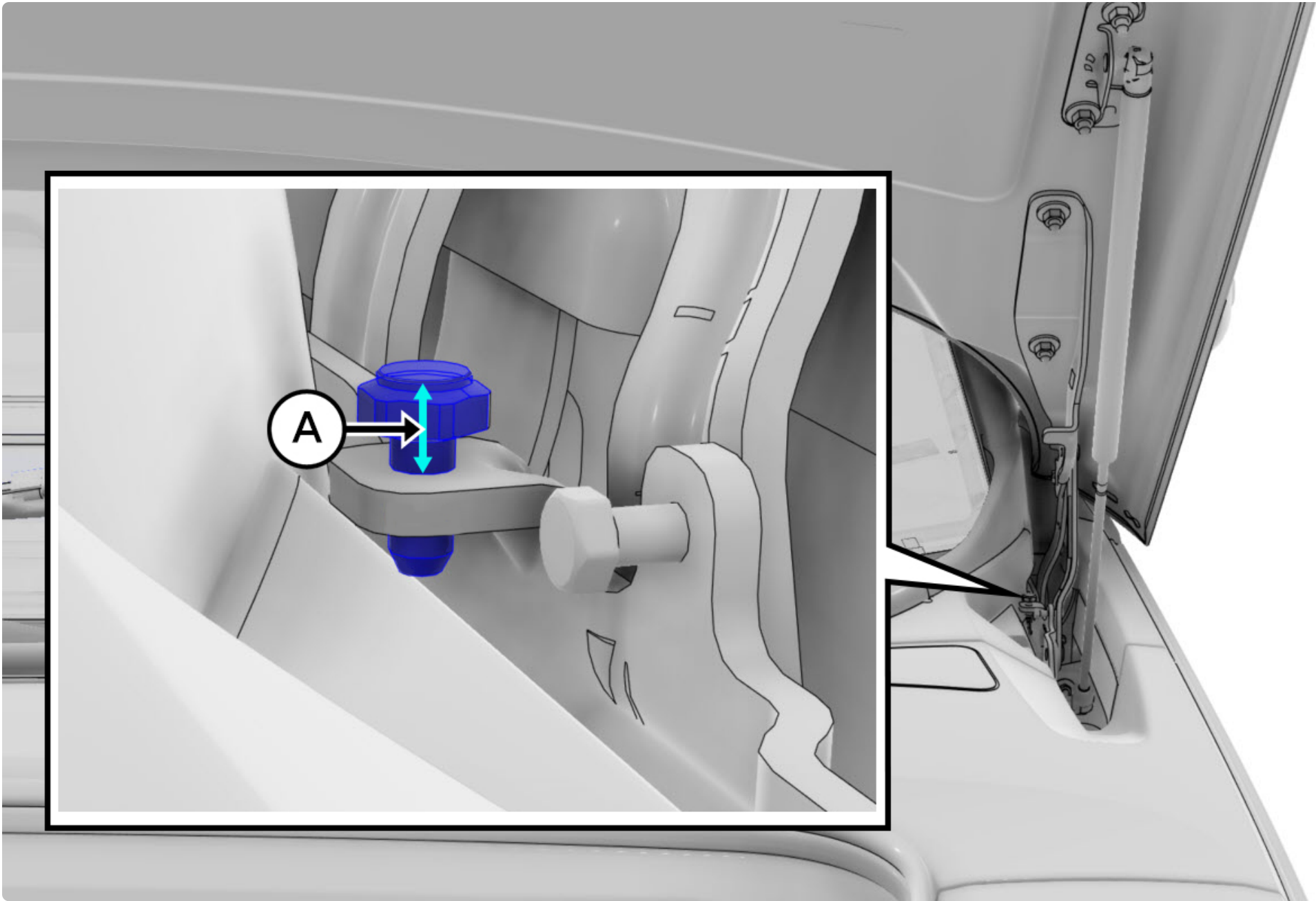


Hood Adjustment Tips

1. On both sides: Remove the [Liner, Wheel, Front, Rear Section](#) for access to the hinge to body bolts.
2. On both sides: Apply masking tape to the fender to prevent damage while the hood sits in the closed position.



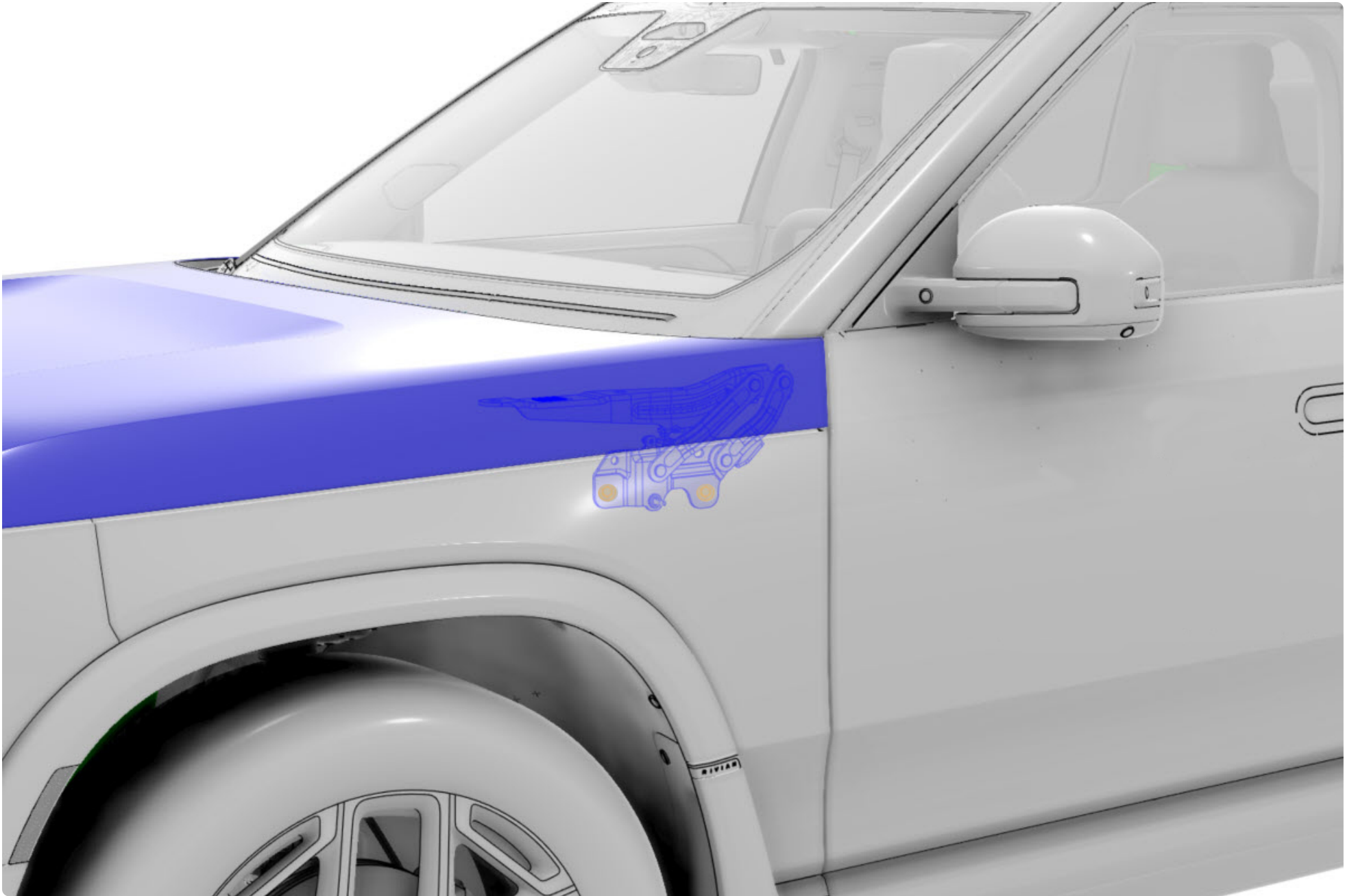
3. On both sides: Lower the hood hinge set screw height to the required height, as shown below.



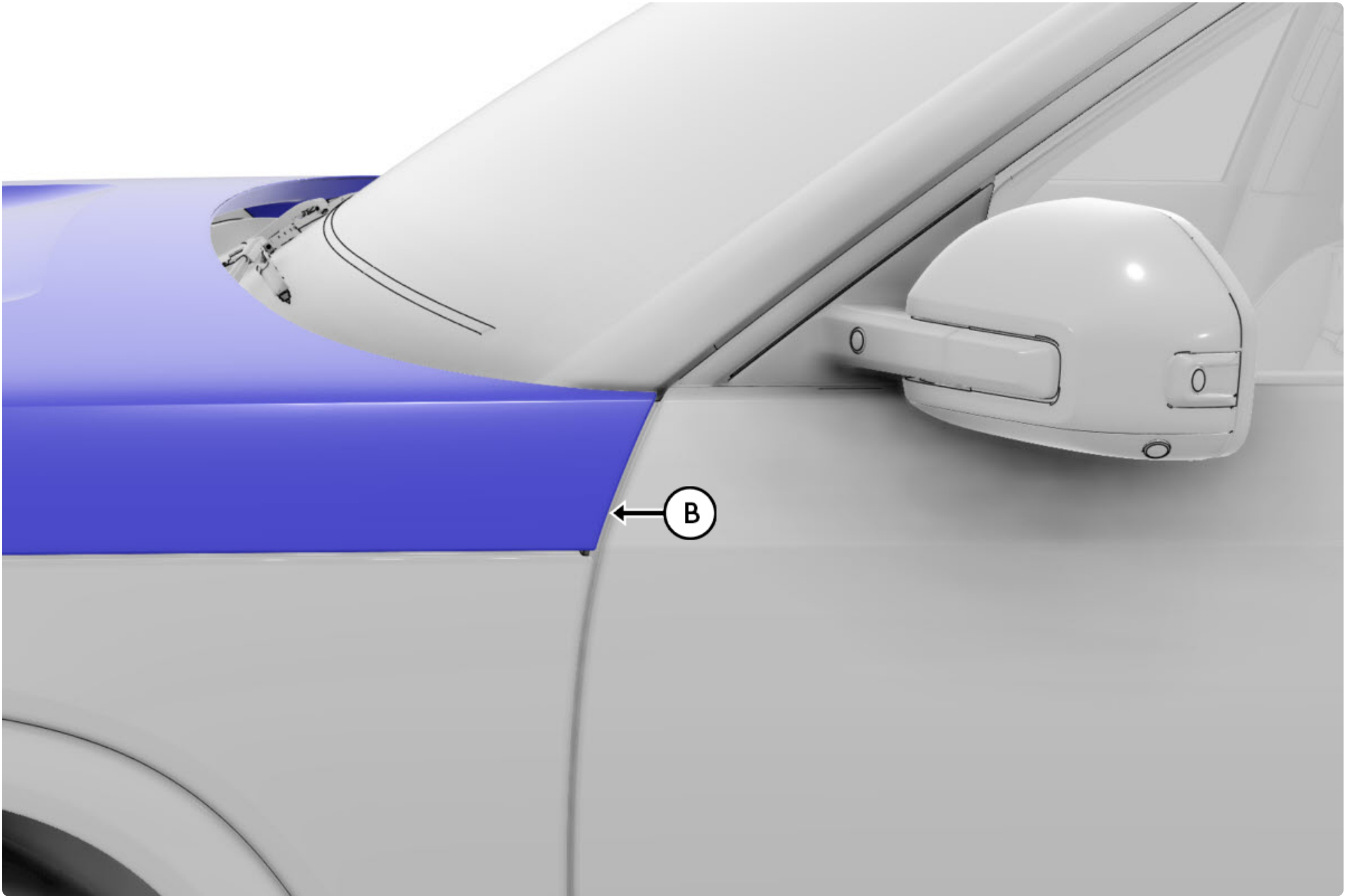
Callout	Measurement (mm)
A	9

4. On both sides: remove the [Assist Strut, Hood](#) and close the hood, ensuring it does not cause damage to the doors or the fender.

5. Loosen the hinge to body bolts and allow the hood to rest on the fender. **Tightening Torque: 25 Nm.**



6. With the hood resting on the fender, apply upward pressure to the hinge to eliminate mechanical slack in the linkage. Adjust the position of the hood front to back (X-axis) until the hood-to-door gap is under the target specification, then secure the fasteners.



Callout	Measurement (mm)
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Callout	Measurement (mm)
B	≥2.5

7. Repeat the process on the opposite hinge.
8. While supporting the rear corners of the hood to prevent paint damage, open the hood and reinstall the [Assist Strut, Hood](#) on both sides.

Note:

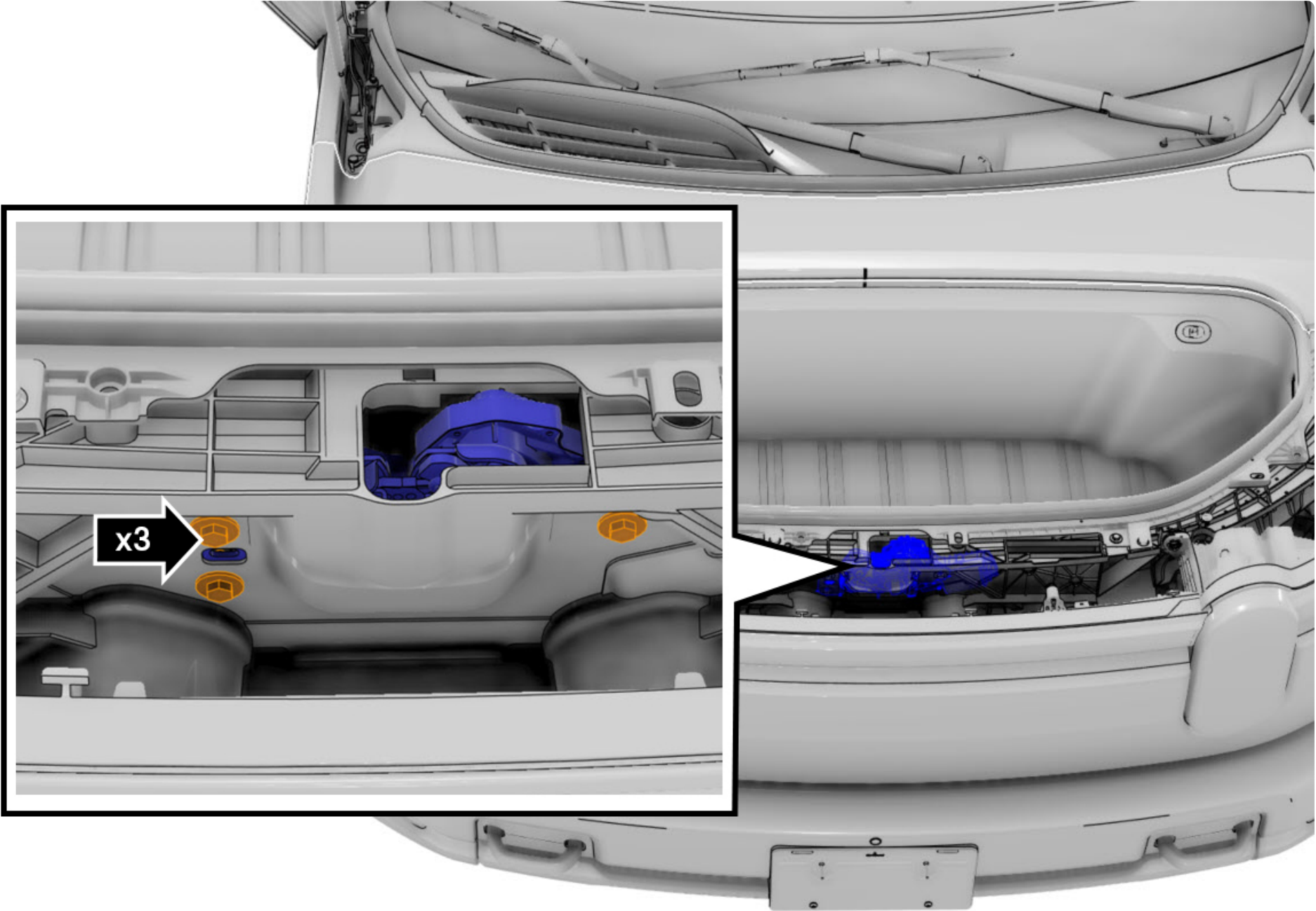
Open the doors before the hood to avoid the possibility of damaging the edge of the door.

9. Lower the hood while visually verifying that the rear corners maintain adequate clearance and do not interfere with or contact the fenders

Note:

Confirm the doors have 2 mm or more clearance to the hood at their closest points when opening and closing the doors.

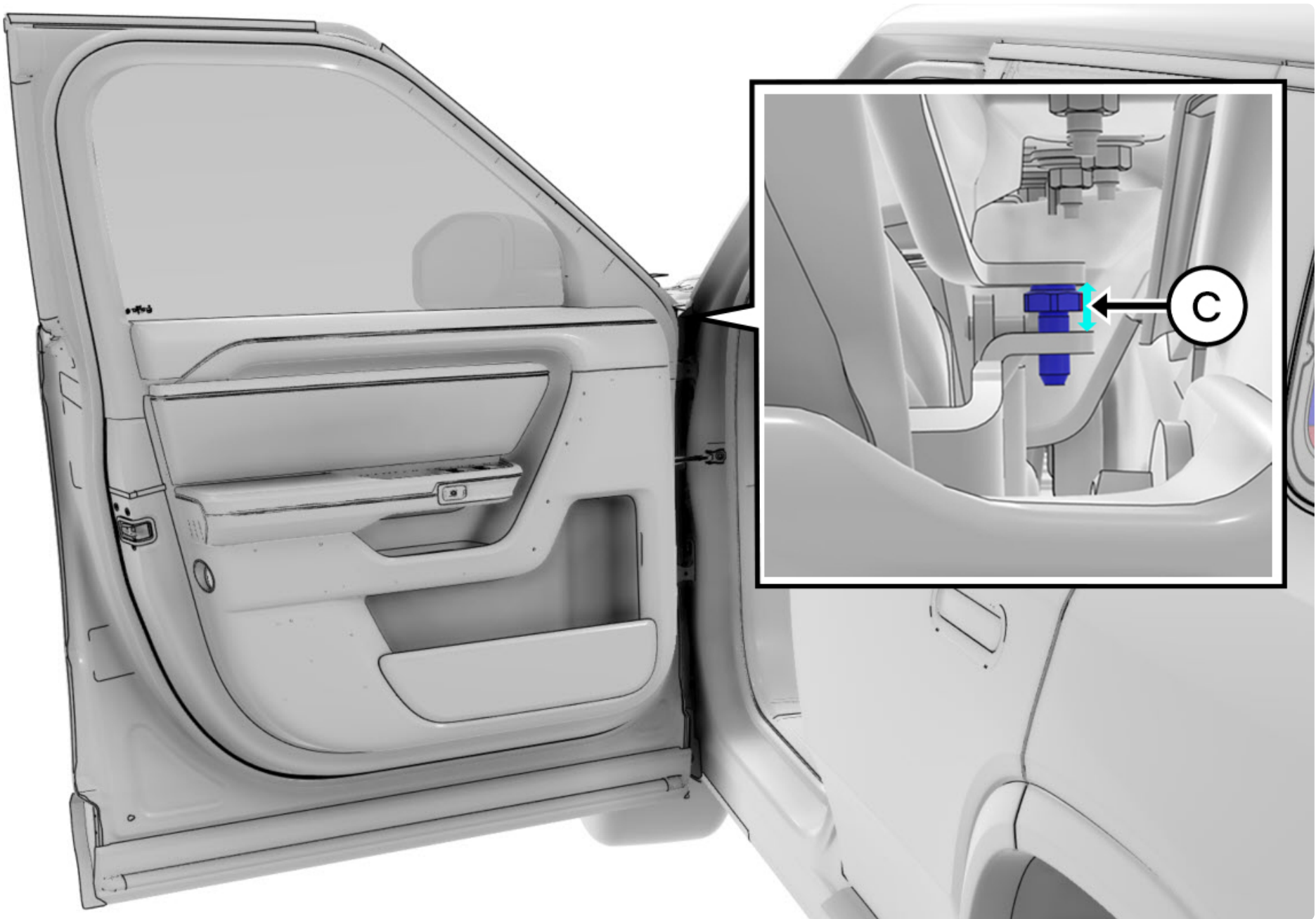
10. Adjust the front half of the of the hood (Z axis) via the hood latch, as shown below. **Tightening Torque: 10 Nm.**



11. On both sides: Once hinge, latch, and striker adjustments are complete, adjust the front bump stops so the hood is secure when fully latched.



12. On both sides: Confirm the hood height set screw is in contact with the upper part of the hood hinge when the hood is closed and adjust as necessary.

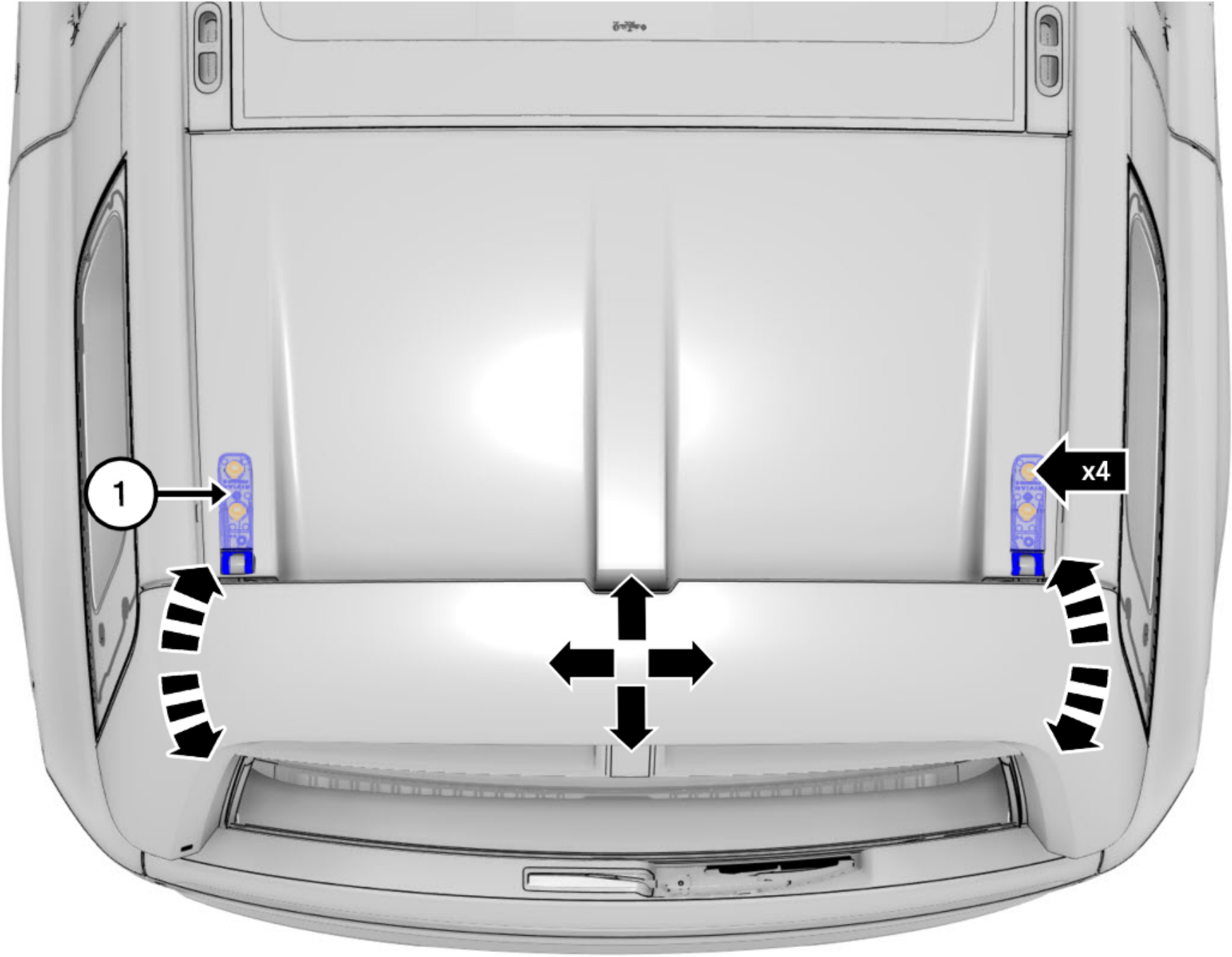


Callout	Measurement (mm)
C	≤13 (Max Height)

Liftgate Adjustment

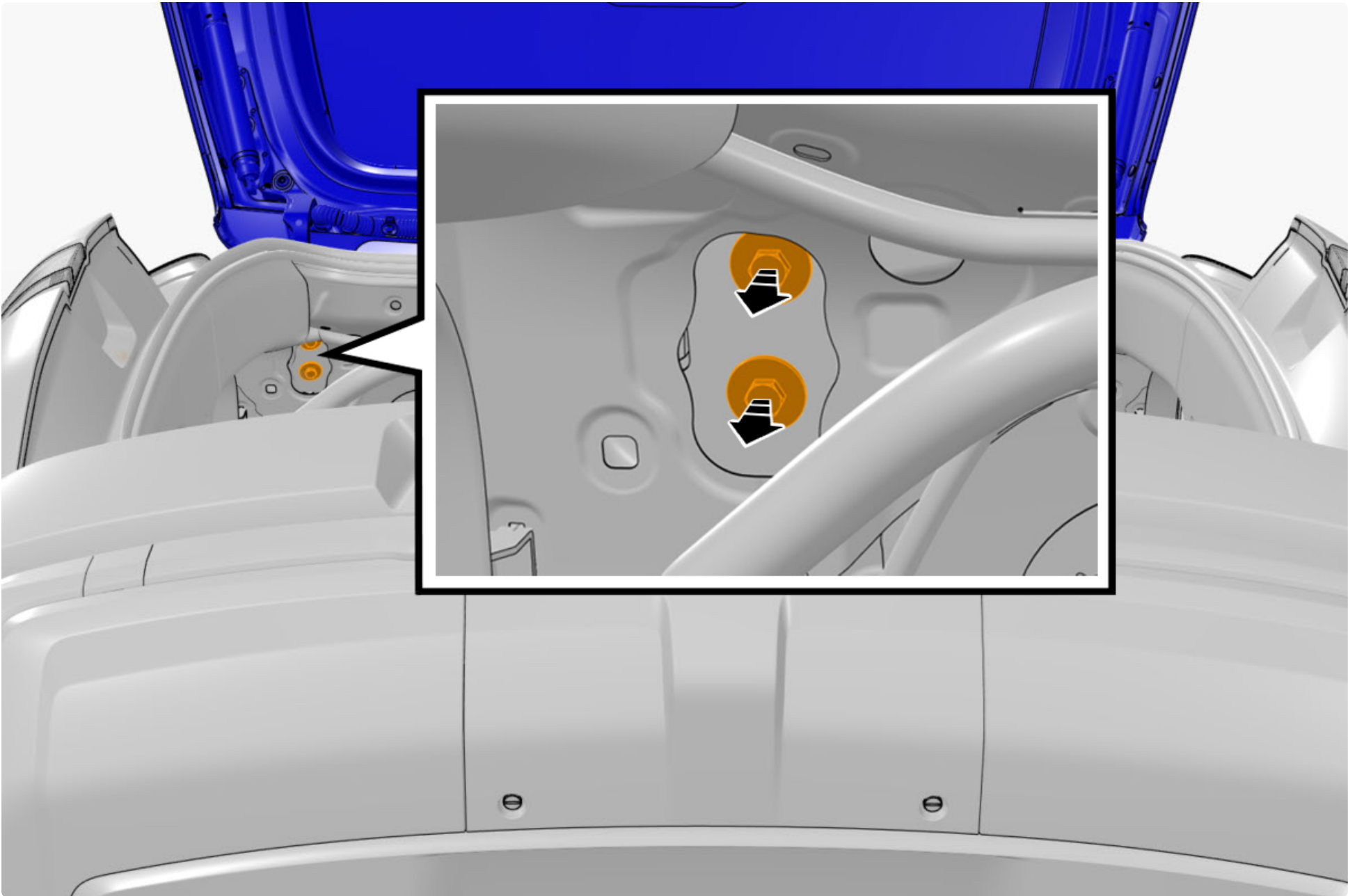
Note:
Before performing any liftgate adjustments, the anti-flutter bumpers must be fully retracted by loosening their fasteners. This ensures the bumpers do not influence the alignment process. Consult the table at the end of this section for further details

Callout	Adjustment	Torque (Nm)
1	To shift and/or tilt the liftgate forward to backward (X-axis) and/or side to side (Y-axis), loosen the indicated fasteners and set the panel to the desired position. Note: X-axis Adjustment will only affect the top section of the liftgate.	25

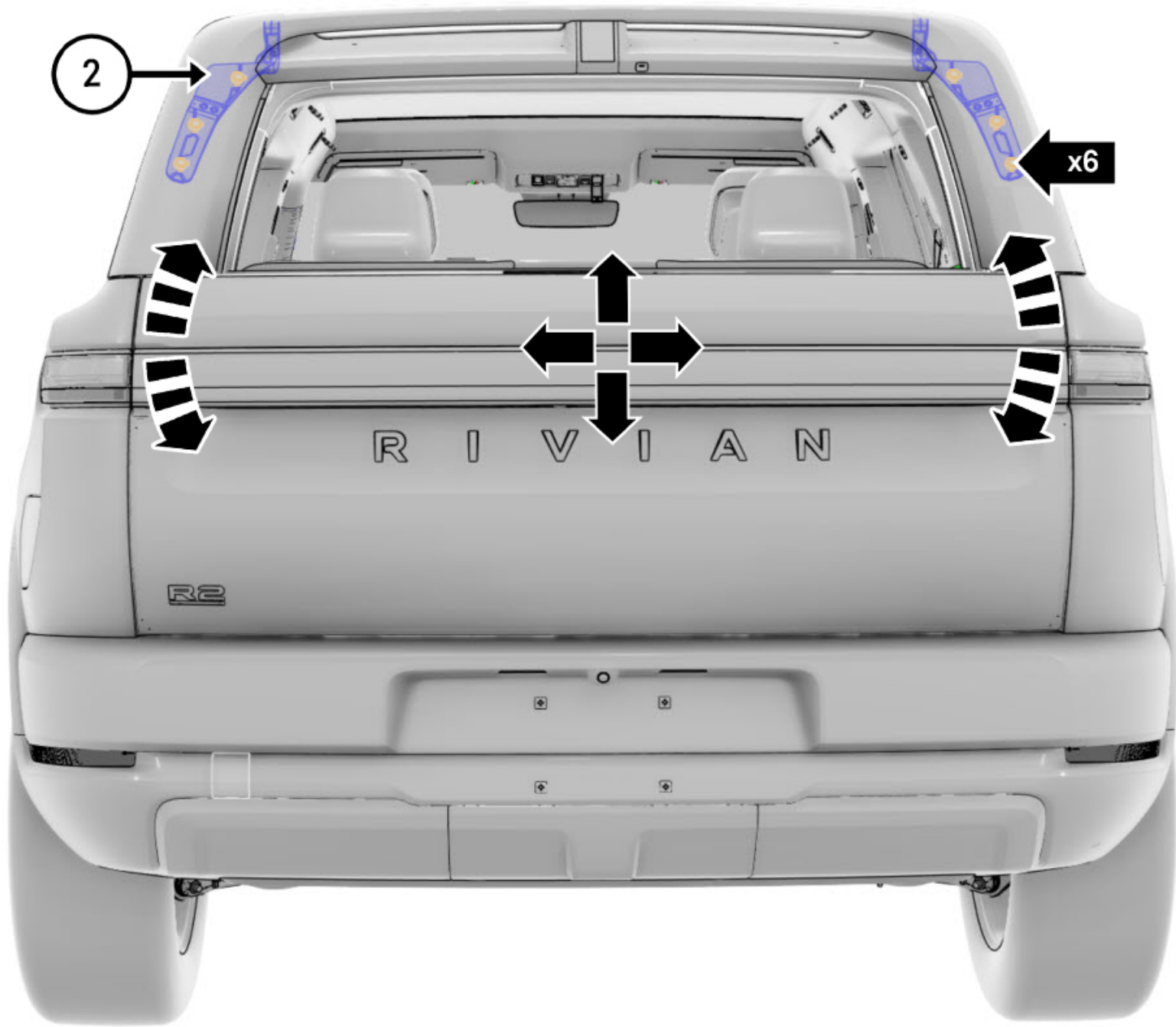


Note:

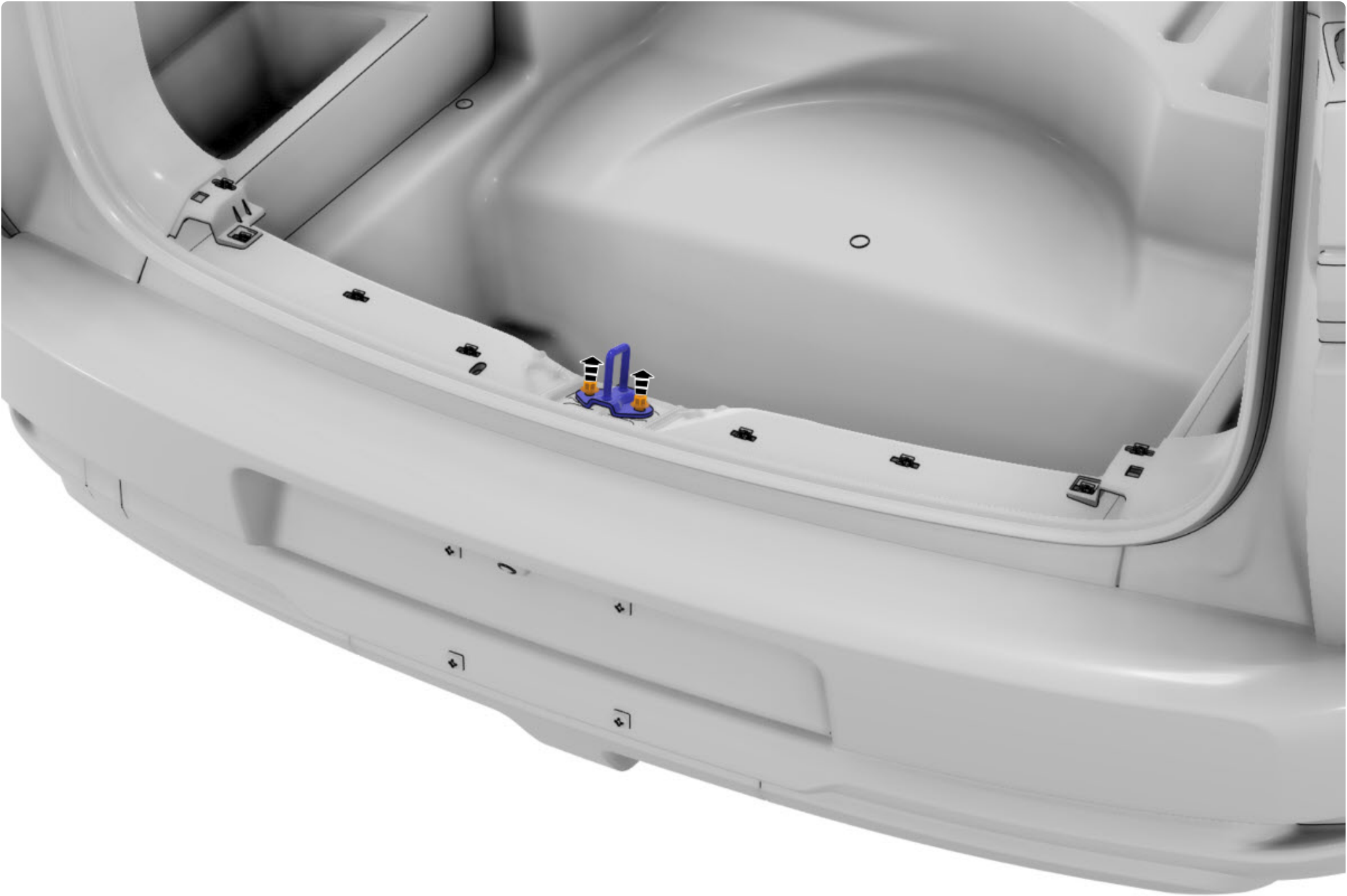
Hinge to body bolts are accessed through the inside of the vehicle.



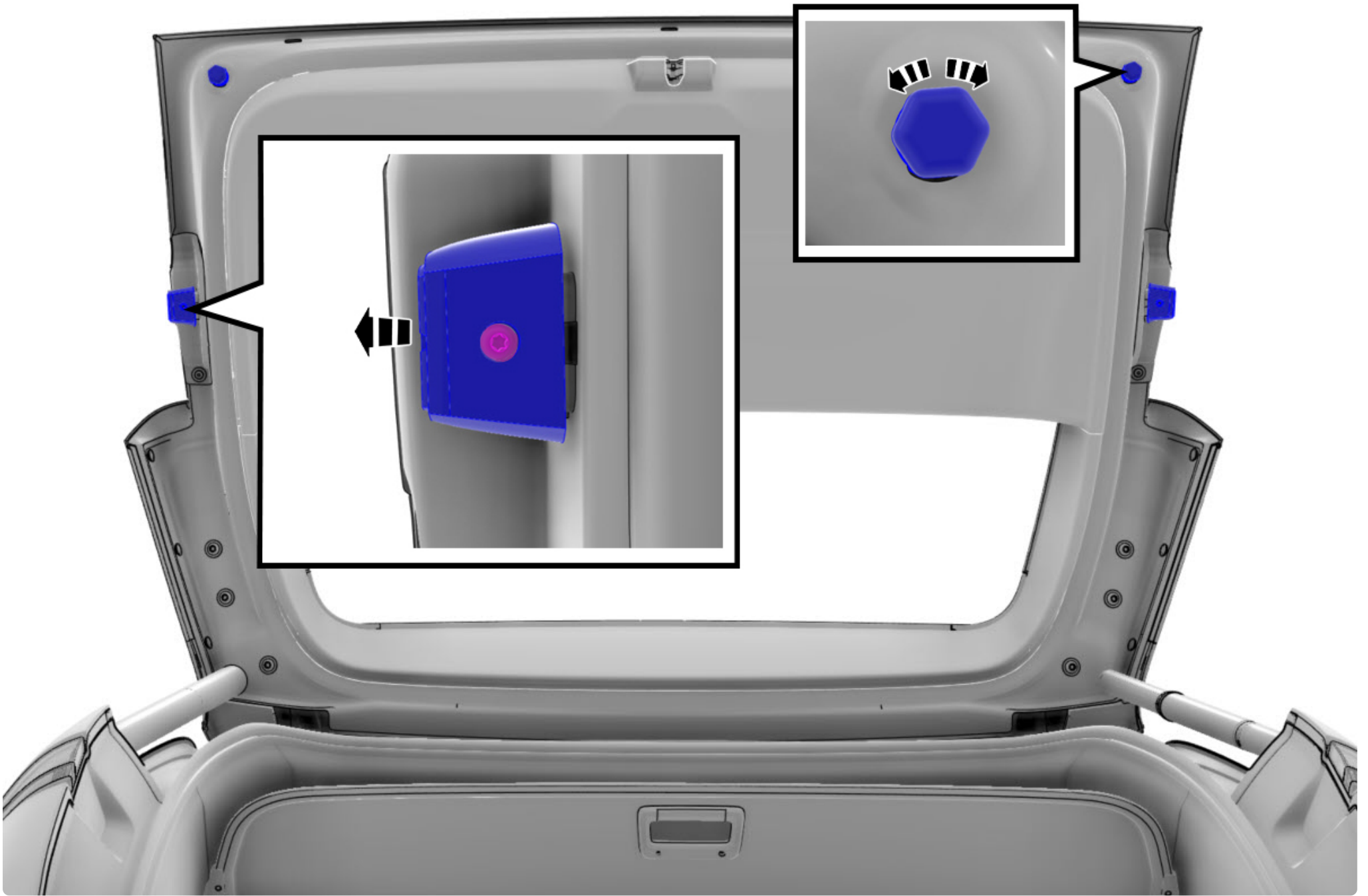
Callout	Adjustment	Torque (Nm)
2	To shift and/or tilt the liftgate side to side (Y-axis) and/or up and down (Z-axis), loosen the indicated fasteners and set the panel to the desired position.	25



Callout	Adjustment	Torque (Nm)
2	To adjust the liftgate forward or backward (X-axis), loosen the indicated fasteners and set the panel to the desired position. Note: X-axis Adjustment will only affect the bottom section of the liftgate.	25



Callout	Adjusting the liftgate anti-flutter bumper(s)	Torque (Nm)
2	1. Open the liftgate 2. On both sides of the vehicle: Loosen fasteners on the bumper(s). 3. On both sides of the vehicle: Extend the bumper completely. 4. Firmly close and open the liftgate 5. On both sides of the vehicle: With the bumper re-positioned, tighten the fasteners. 6. Adjust the liftgate stoppers as needed if the bottom part of the liftgate is uneven with the top part. Note: Always pay close attention to the alignment of body line(s) when adjusting panel gap dimensions.	1.6



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