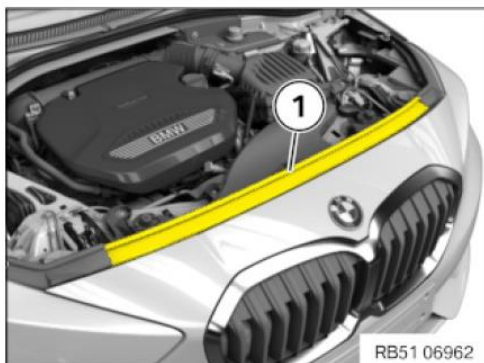


# 51 11 156 Remove and install front bumper panel

## PRELIMINARY WORK

### 1 – Removing the front centre bonnet seal



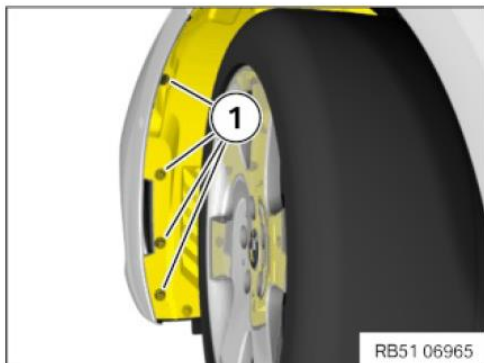
- Pull off front centre bonnet seal (1) to the top.

### 2 – Partially remove both front wheel arch covers



#### NOTICE

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



- Partially remove front wheel arch cover.
- Loosen screws (1).
- Fold the front wheel arch trim panel to one side.

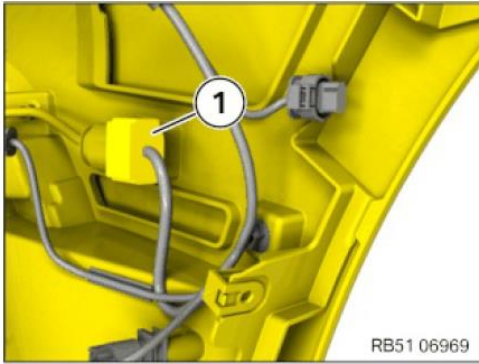
### 3 – Partially removing the temperature sensor



- Unclip temperature sensor (1) to the inside out of the bumper panel.

### 4 – If installed: Disconnecting plug connection (additional work with Park Distance Control (PDC))





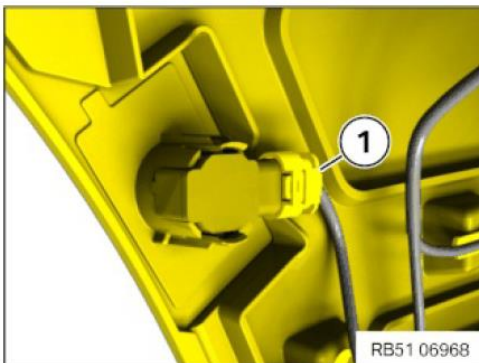
- Disengage plug connection (1) on vehicle on right and disconnect.

## 5 – If installed: Disconnecting plug connection (additional work in Park Assist)



### NOTICE

Perform the operations on the left and right side.



- Unlock plug connection (1) and disconnect.

## MAIN WORK

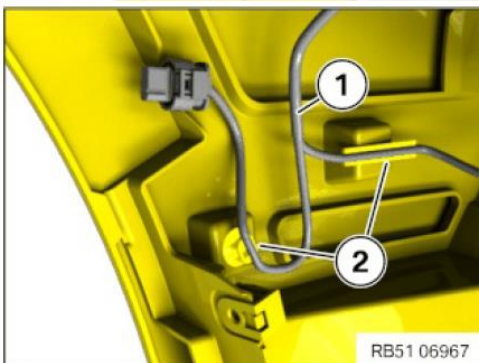
### 6 – Remove front bumper panel



### NOTICE

Perform the operations on the left and right side.

- Loosen screws (1).

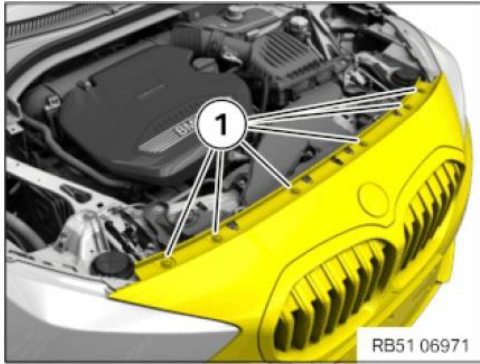


### NOTICE

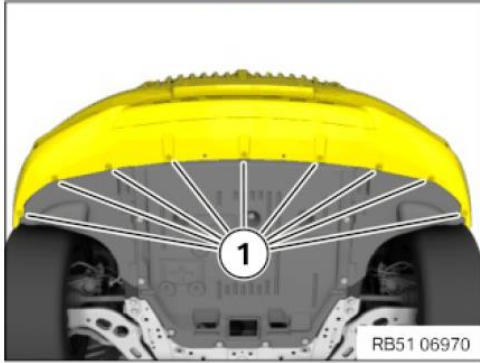
Perform the operations on the left and right side.

- Release wiring harness (1) with the holders (2) .

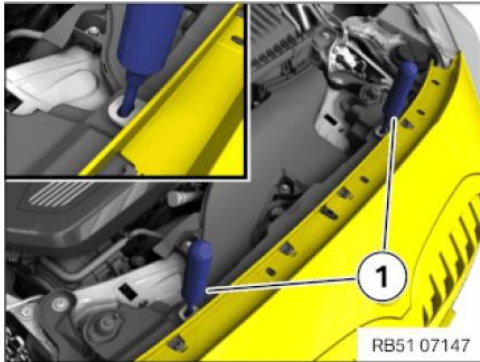




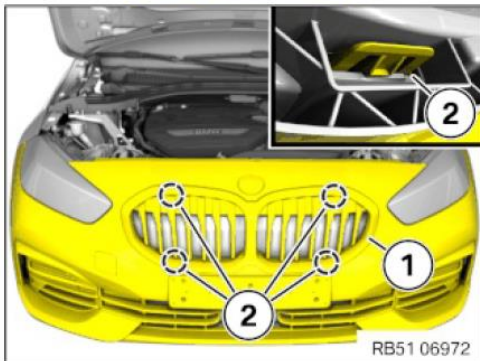
- Loosen screws (1).



- Loosen screws (1).



- Insert suitable screwdriver through the holes of the air flap control into the cover of the upper air flap control.



- Loosen front bumper trim panel with centre ornamental grille(1) and latch mechanisms(2) towards the front, out of the upper air flap control.
- Remove the front bumper panel.
- Remove screwdriver out of the cover of the upper air flap control and upper air flap control.

► If installed: Detaching fog light (additional work for bumper panel base with fog light)

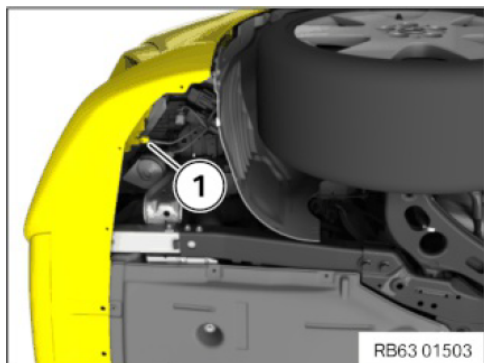


## NOTICE

To provide a better overview: Schematic diagram with partially hidden components.





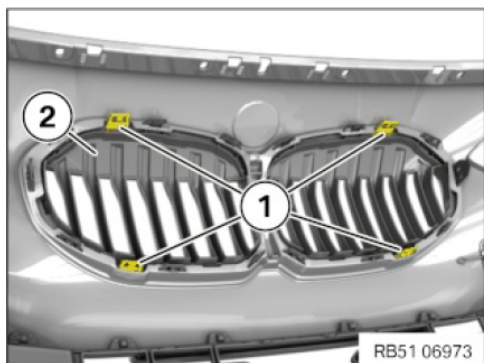


#### NOTICE

Perform the operations on the left and right side.

- Unlock plug connection (1) and disconnect.

### 7 – Install bumper panel, front



#### Check

- Inspect latch mechanisms (1) on the front ornamental grille centre section (2) for damage.

#### Result

- » Latch mechanisms (1) are damaged.

#### Measure

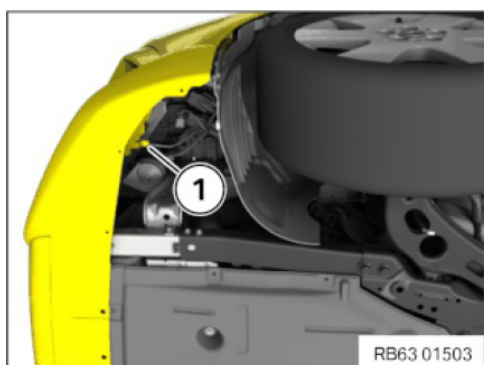
- Renew front ornamental grille centre section (2).

► If installed: Clamping the fog light (additional work on bumper panel base with fog light)



#### NOTICE

To provide a better overview: Schematic diagram with partially hidden components.

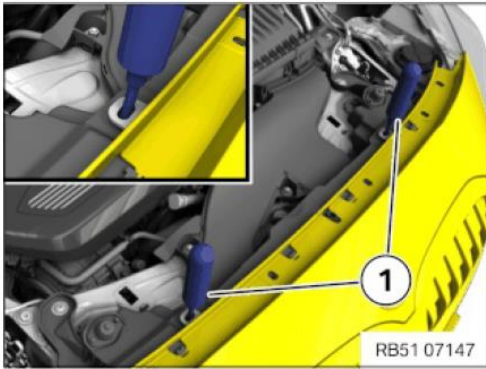


#### NOTICE

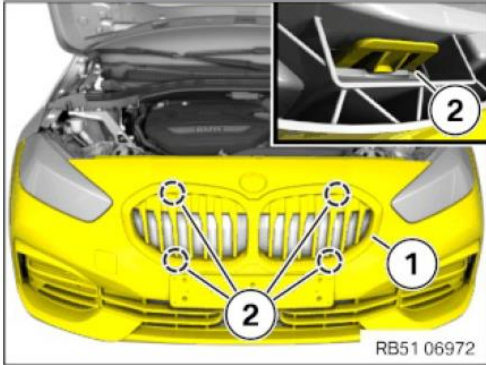
Perform the operations on the left and right side.

- Position the front bumper panel on the vehicle.
- Connect connectors (1) and lock.

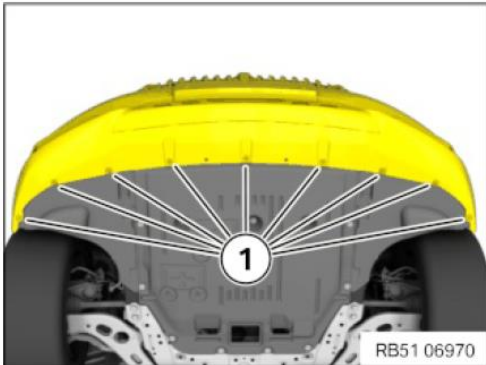




- Insert suitable screwdrivers through the holes in the air flap control into the top air flap control lid.



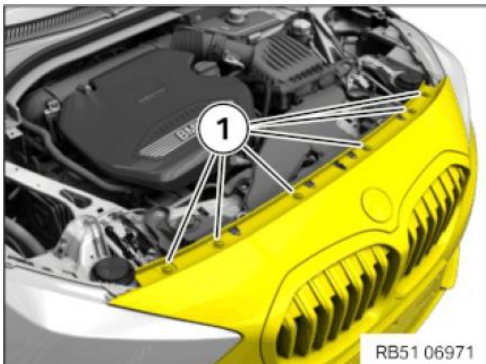
- Position the front bumper panel.
- Clip front bumper panel with the front ornamental grille centre section (1) and the latch mechanisms (2) into the top air flap control.
- Remove screwdrivers from the top air flap control lid and the top air flap control.



- Tighten the screws (1).

#### Front bumper panel to underbody panelling

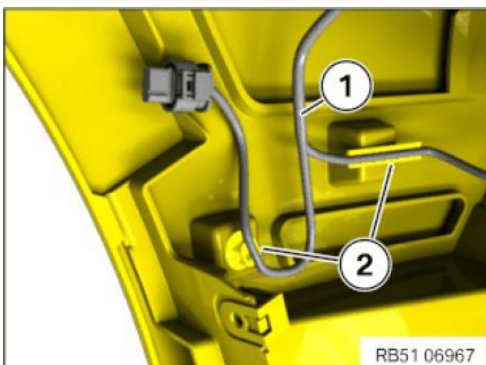
Thermoplastic hexagon screw		Tightening torque	2,5 Nm
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- Tighten the screws (1).

#### Front bumper panel on air duct

M6 screw		Tightening torque	8 Nm
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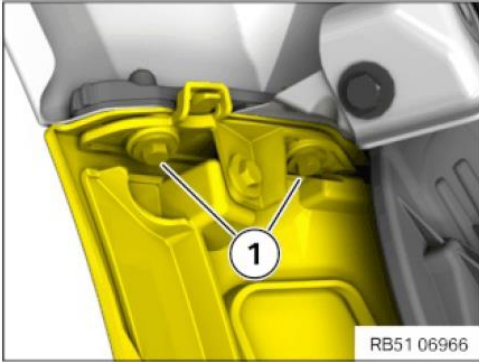
- Clip in wiring harness (1) with the holders (2) .



#### NOTICE

Perform the operations on the left and right side.





#### NOTICE

Perform the operations on the left and right side.

- Tighten the screws (1).

#### Front bumper panel to front side panel

Torx screw 5x35		Tightening torque	2.5 Nm
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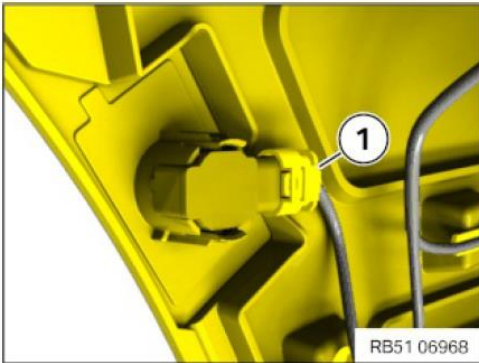
### POSTPROCESSES

#### 8 – If installed: Connect connector (additional work with Park Assist)



#### NOTICE

Perform the operations on the left and right side.



- Connect connectors (1) and lock.

#### 9 – If installed: Connecting the connector (additional work for Park Distance Control (PDC))



- Connect and lock connector (1) to the vehicle on the right side.

#### 10 – Partially installing the temperature sensor



- Clip in temperature sensor (1) into the bumper panel.



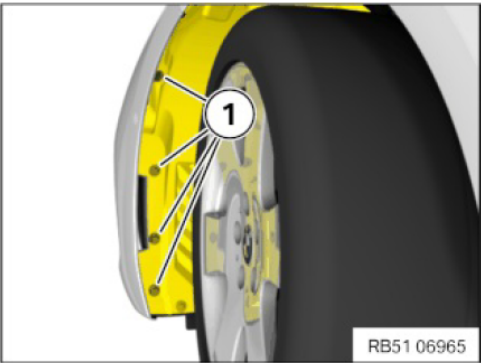


11 – Partially installing both wheel arch covers, front



NOTICE

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



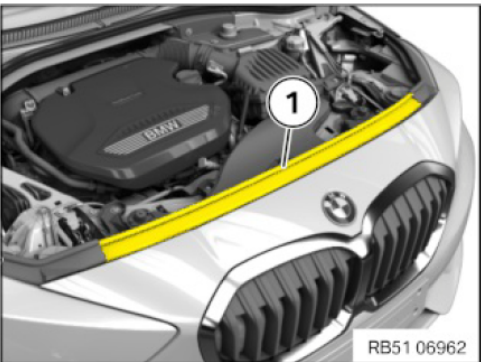
► Partially installing the front wheel arch cover

- Fold back the front wheel arch trim panel.
- Tighten the screws (1).

Front wheel arch cover to bumper trim panel

5x35 hexagon screw		Tightening torque	2,6 Nm
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12 – Installing seal for bonnet, front middle



- Fit seal for bonnet, front middle (1) and press downwards into guide.

Additional Information

Overview of Tightening Torques

Front bumper panel to underbody panelling			Used in step	7
Thermoplastic hexagon screw		Tightening torque		2,5 Nm
Front bumper panel on air duct			Used in step	7
M6 screw		Tightening torque		8 Nm
Front bumper panel to front side panel			Used in step	7
Torx screw 5x35		Tightening torque		2.5 Nm
Front wheel arch cover to bumper trim panel			Used in step	11
5x35 hexagon screw		Tightening torque		2,6 Nm

