

Original BMW Parts and Accessories. Installation Instructions.



M Performance Frozen Black Foil Application Left/Right and M Performance Front High Gloss Black Foil Application Retrofit Kit.

BMW X2 (F39)
BMW X3 (G01)
BMW X4 (G02)
BMW X5 (G05)
BMW 3 Series (G20)
BMW 6 Series Gran Turismo (G32)
BMW 1 Series (F40)

Retrofit kit number

51 14 2 447 017	Frozen Black foil application left/right G01/G02
51 14 2 447 018	Frozen Black foil application left/right G32
51 14 2 449 810	Frozen Black foil application left/right F39
51 14 2 456 203	Front high gloss foil application G01/G02
51 14 2 456 383	Frozen Black foil application left/right G05
51 14 2 458 194	Frozen Black foil application left/right G20
51 14 2 465 580	Frozen Black foil application left/right F40, including front black high gloss foil application

Installation time

The installation time for the Frozen Black foil application left/right is **around 1.0 hour**. The installation time for the high gloss black foil application is **around 0.25 hours**. These times may vary depending on the condition of the car and the equipment in it.

The installation time shown does not include any time spent on programming/coding.

The calculation of the total costs for the programming time must be factored into the calculation of retrofitting costs (must not be invoiced under the warranty).

Important information

These installation instructions are primarily designed for use within the BMW dealership organisation and by authorised BMW service companies.

These installation instructions are intended for use by qualified specialist staff trained on BMW cars with the relevant expert knowledge.

All work must be completed using the latest BMW repair manuals, wiring diagrams, servicing manuals and work instructions, in a logical order, using the prescribed tools (special tools), and observing current health and safety regulations.

If you experience installation or functional problems, restrict troubleshooting to approx. 0.5 hours for mechanical work and 1.0 hour for electrical work.

To avoid unnecessary extra work and/or costs, send an inquiry straight away to the technical parts support team via the Aftersales Assistance Portal (ASAP).

Quote the following information:

- VIN,
- retrofit kit part number,
- a detailed description of the problem,
- any work already carried out.

Do not archive the hard copy of these installation instructions, since daily updates are supplied in ASAP.

Pictograms

- ⚠ Denotes instructions that draw your attention to dangers.
- ▶ Denotes instructions that draw your attention to special features.
- ◀ Denotes the end of the instruction or warning text.

Installation information

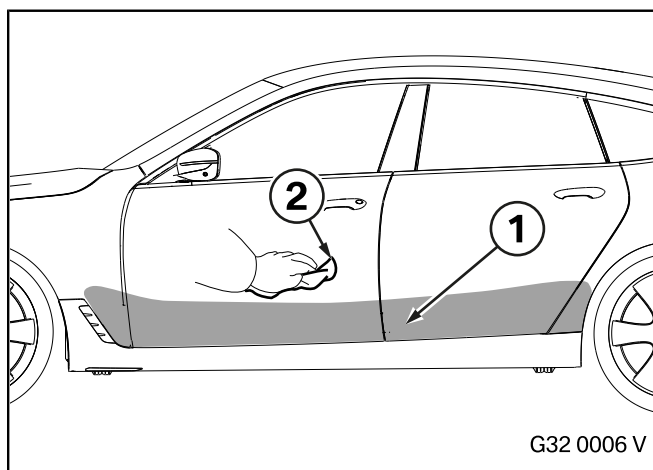
All illustrations show LHD (left-hand drive) cars; proceed accordingly on RHD (right-hand drive) cars. Installation is shown on one side of the car only, proceed in the same way on the other side. Installation is shown on the **G32**; the same installation procedures apply to the other cars. Differences are described in the relevant section.

The ambient temperature for bonding and drying must not be below 15°C or exceed 35°C.

The foil application adjusts to the surface of the car under the influence of heat (direct sunlight, hair dryer); if required this can be used to get rid of air bubbles trapped underneath it.

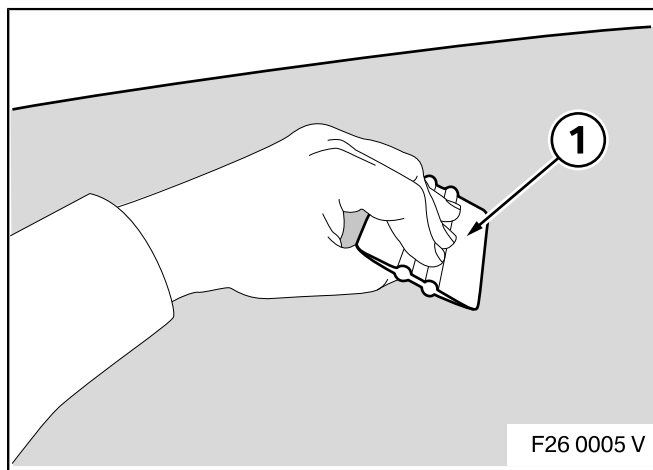
- ▶ If the **Frozen Black foil application** (part number 51 14 2 458 194) is installed on the G20, the **M Performance logo sticker** (part number 51 14 2 461 811) must **not** be installed. ◀
- ▶ If the **side skirt foil application** (part number 51 14 2 458 236) and the **M Performance logo** (part number 51 14 2 461 811) are installed on the G05, the Frozen Black foil application (part number 51 14 2 456 383) must not be installed. ◀

The following processing instructions apply to the retrofit kit:



- ▶ The bonding surfaces must be completely dry, clean, and free from wax or grease. ◀

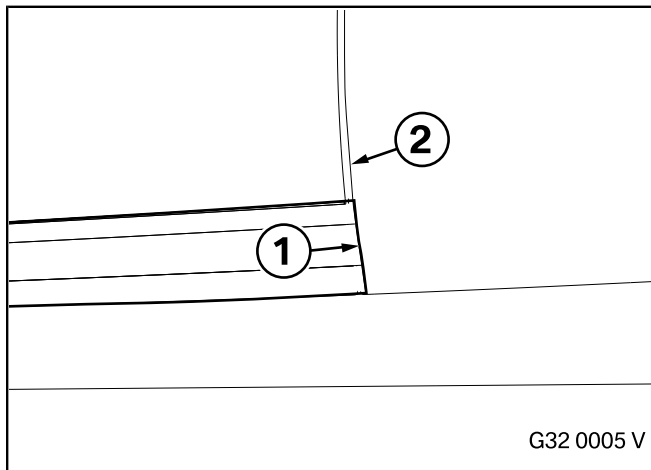
The bonding surfaces (1) must be cleaned with a cleaning cloth (2) and suitable cleaning products.



- ▶ Do not apply excessive pressure to the surfaces of the car with the blade (1), otherwise you may inadvertently cause damage. ◀

After running the blade over the foil application, wait for approx. 10 minutes and then carefully pull the application tape off the foil application at an angle of 180°, wetting the application tape liberally with installation solution if necessary.

Press any projecting edges down with the blade (1).



Foil application sections with edges abutting the door openings are to be positioned in such a way that the end edges (1) touch the opposite edge of the gap (2). The foil application sections are then to be pressed around the edge and smoothed down with the blade.

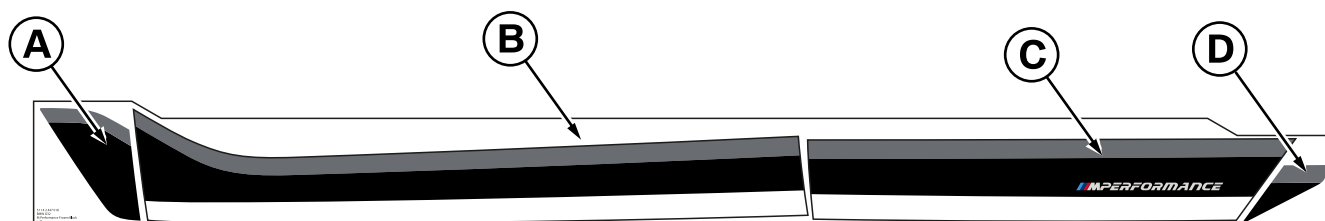
Special tools required

Blade (part number 51 91 0 416 502)

Table of contents

Section	Page
1. M Performance Frozen Black films, left/right G32 parts list	5
2. M Performance Frozen Black films, left/right F39 parts list	6
3. M Performance Frozen Black foil application left/right and M Performance front high gloss black foils G01/G02 parts list	7
4. M Performance Frozen Black films, left/right G05 parts list	8
5. M Performance Frozen Black foil application, left/right G20 parts list	9
6. M Performance Frozen Black foil application left/right and front high gloss black foil application F40 parts list	10
7. Preparatory work	11
8. M Performance Frozen Black films, left/right G32 installation	12
9. M Performance Frozen Black films, left/right F39 installation	13
10. M Performance Frozen Black films left/right and M Performance front high gloss black foils G01/G02 installation	14
11. M Performance Frozen Black films, left/right G05 installation	16
12. M Performance Frozen Black foil application, left/right G20 installation	17
13. M Performance Frozen Black foil application left/right and front high gloss black foil application F40 installation	18
14. Concluding work and coding	20

1. M Performance Frozen Black films, left/right G32 parts list

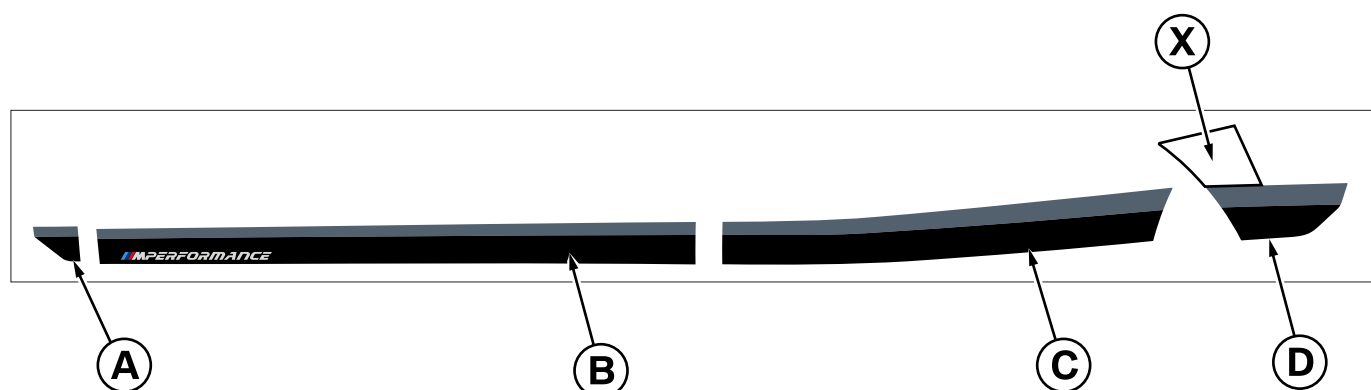


G32 0000 V

Legend

- A** Front left/right films (shown on the left)
- B** Front door left/right films (shown on the left)
- C** Rear door left/right films (shown on the left)
- D** Rear left/right films (shown on the left)

2. M Performance Frozen Black films, left/right F39 parts list

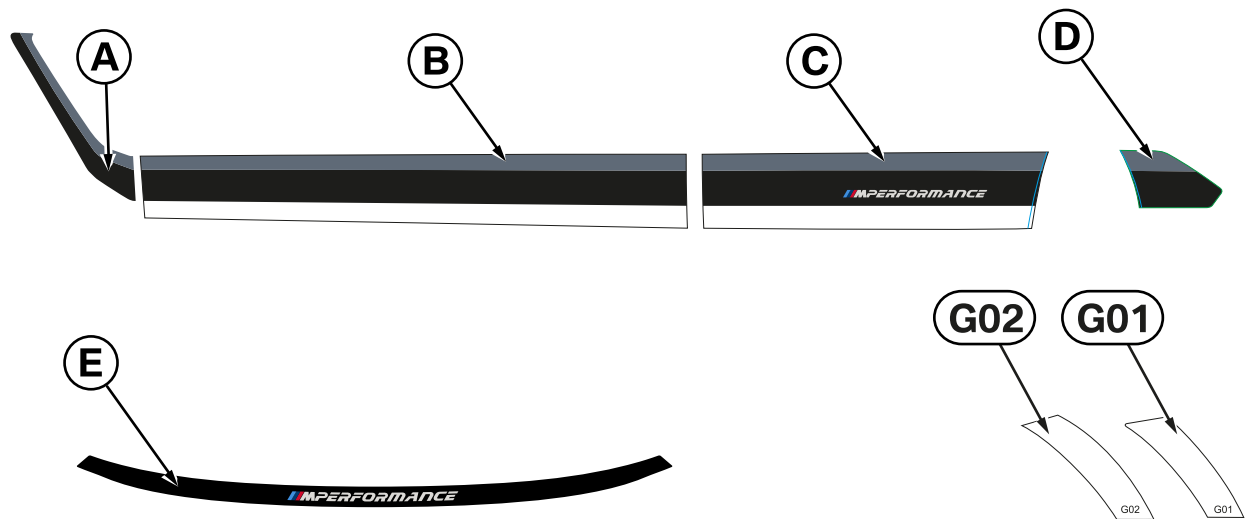


F39 0000 V

Legend

- A** Front left/right films (shown on the left)
- B** Front door left/right films (shown on the left)
- C** Rear door left/right films (shown on the left)
- D** Rear left/right films (shown on the left)
- X** Template

3. M Performance Frozen Black foil application left/right and M Performance front high gloss black foils G01/G02 parts list

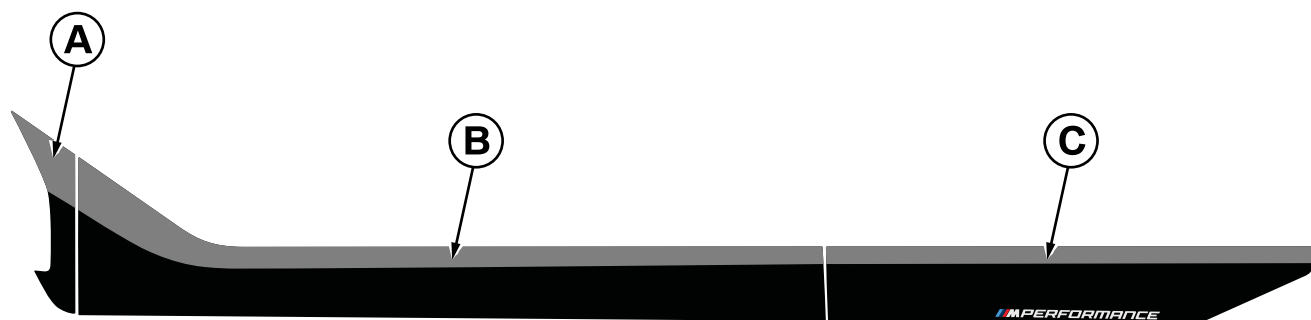


G01 0022 V

Legend

- A** Front left/right foil application (shown on the left)
- B** Front door left/right foil application (shown on the left)
- C** Rear door left/right foil application (shown on the left)
- D** Rear left/right foil application (shown on the left)
- E** Front high gloss foil application
- G01** Template for the G01 (shown on the left)
- G02** Template for the G02 (shown on the left)

4. M Performance Frozen Black films, left/right G05 parts list



G05 0029 V

Legend

- A** Front left/right films (shown on the left)
- B** Front door left/right films (shown on the left)
- C** Rear door left/right films (shown on the left)

5. M Performance Frozen Black foil application, left/right G20 parts list

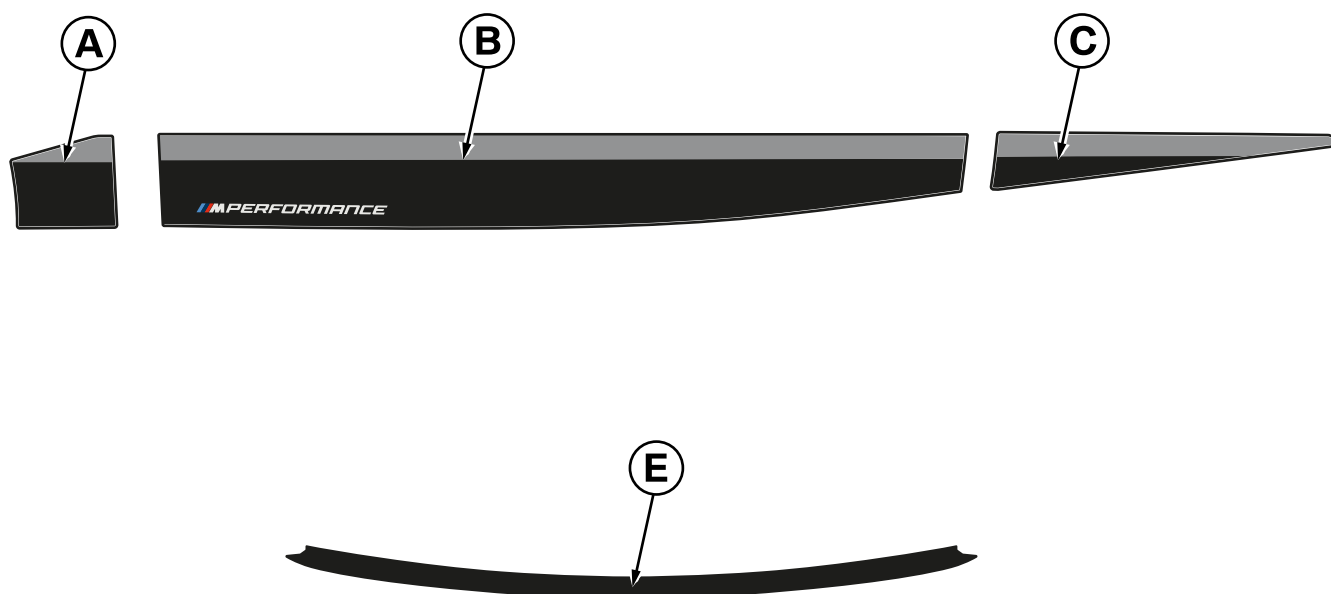


G20 0021 V

Legend

- A** Front left/right foil application (shown on the left)
- B** Front door left/right foil application (shown on the left)
- C** Rear door left/right foil application (shown on the left)

6. M Performance Frozen Black foil application left/right and front
high gloss black foil application F40 parts list



F40 0021 V

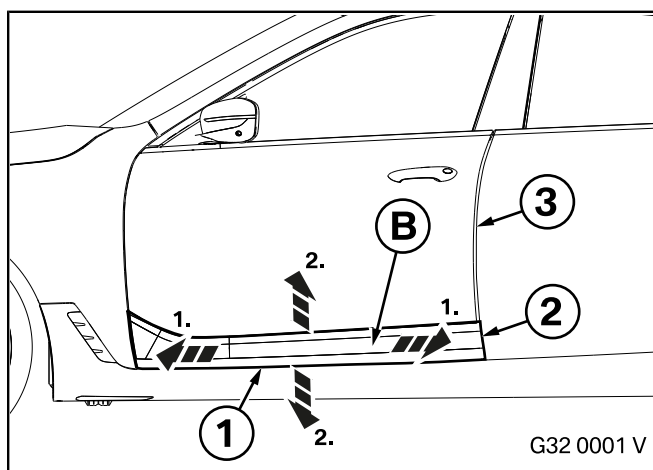
Legend

- A** Front left/right foil application (shown on the left)
- B** Front door left/right foil application (shown on the left)
- C** Rear door left/right foil application (shown on the left)
- E** Front high gloss foil application

7. Preparatory work

	ISTA/AIR No.
none	---

8. M Performance Frozen Black films, left/right G32 installation



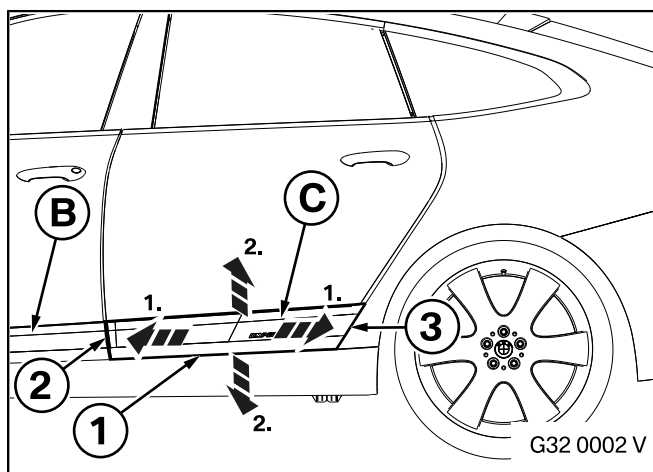
Refer to the installation instructions on page 2.

As a result of the door seal, the front door film **B** is only aligned using the gap to the rear door. ◀

Position the front door film **B** flush on the bottom edge (1) of the door, positioning the edge (2) flush on the edge (3) of the rear door.

Use the blade to smooth from the centre first horizontally and then vertically.

Remove the top backing film and also remove the white projecting film.

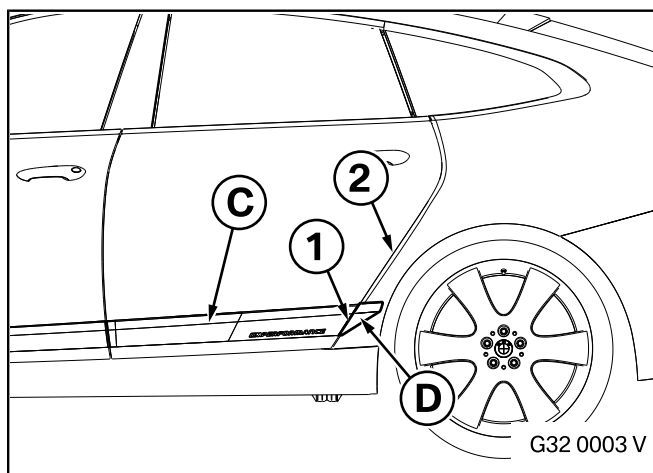


Ensure that there is a straight line between the rear door film **C** and the front door film **B**. ◀

Position the rear door film **C** flush on the bottom edge (1) of the door and align the rear door film **C** centrally between edge (2) and edge (3).

Use the blade to smooth from the centre first horizontally and then vertically.

Remove the top backing film and also remove the white projecting film.

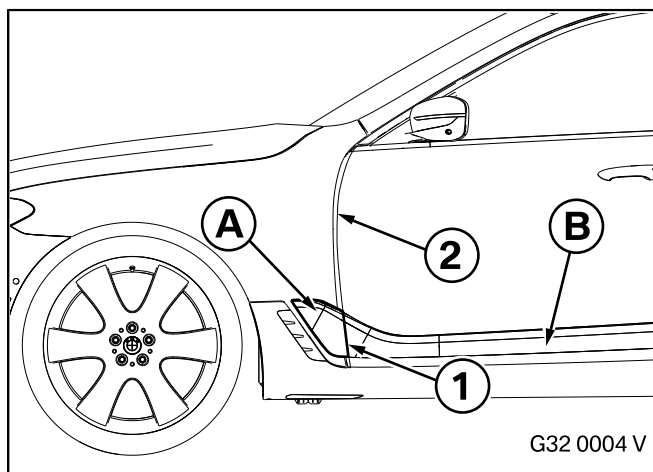


Ensure that there is a straight line between the rear door film **C** and the rear film **D**. ◀

Position the edge (1) of the rear film **D** flush on the edge (2) of the rear door.

Use the blade to smooth from the centre first horizontally and then vertically.

Remove the top backing film.



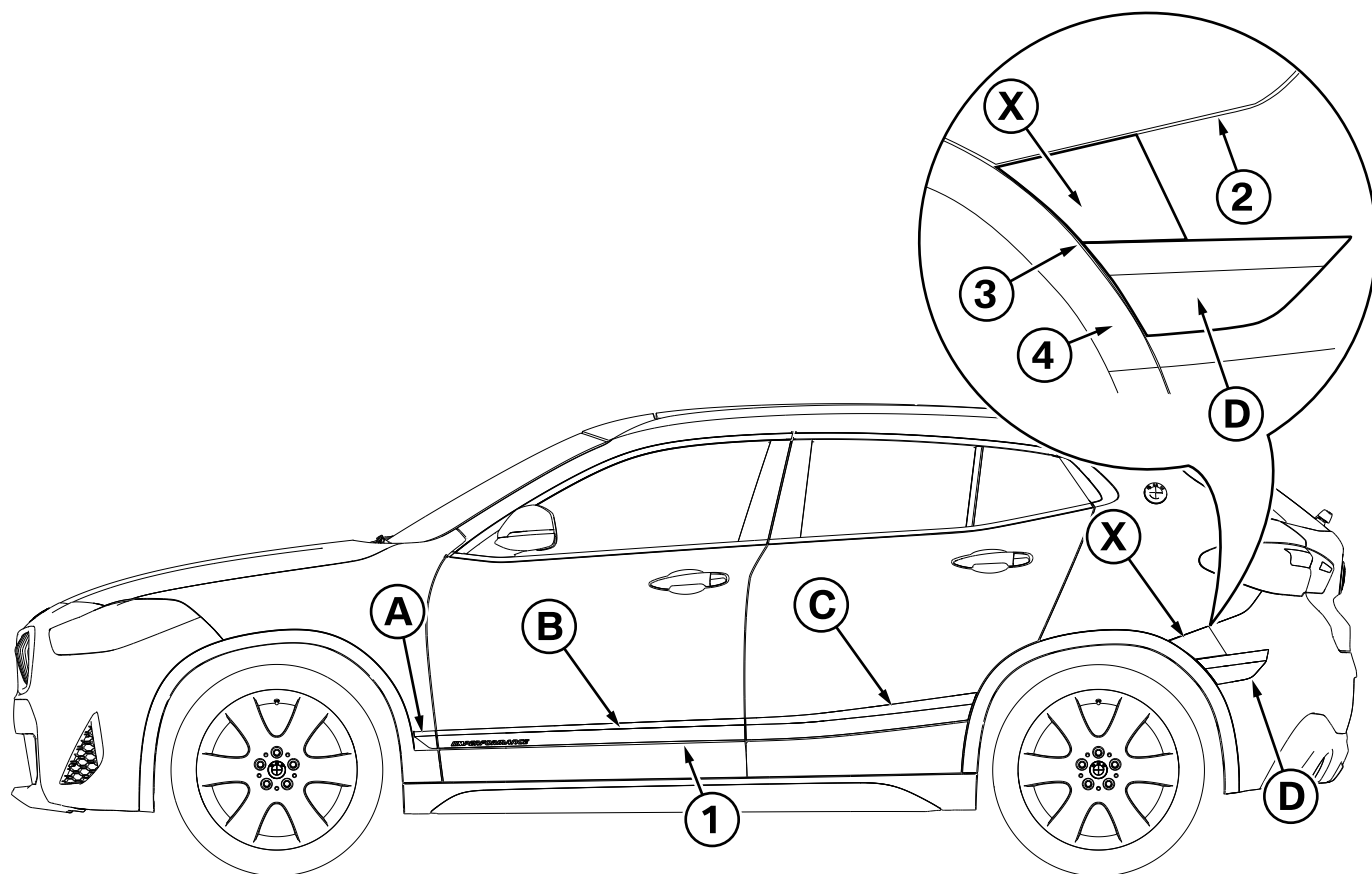
Ensure that there is a straight line between the front door film **B** and the front film **A**. ◀

Position the edge (1) of the front film **A** flush on the edge (2) of the front door.

Use the blade to smooth from the centre first horizontally and then vertically.

Remove the top backing film.

9. M Performance Frozen Black films, left/right F39 installation



F39 0001 V

Refer to the installation instructions on page 2.

Install as described in the section entitled "M Performance Frozen Black films, left/right G32 installation".

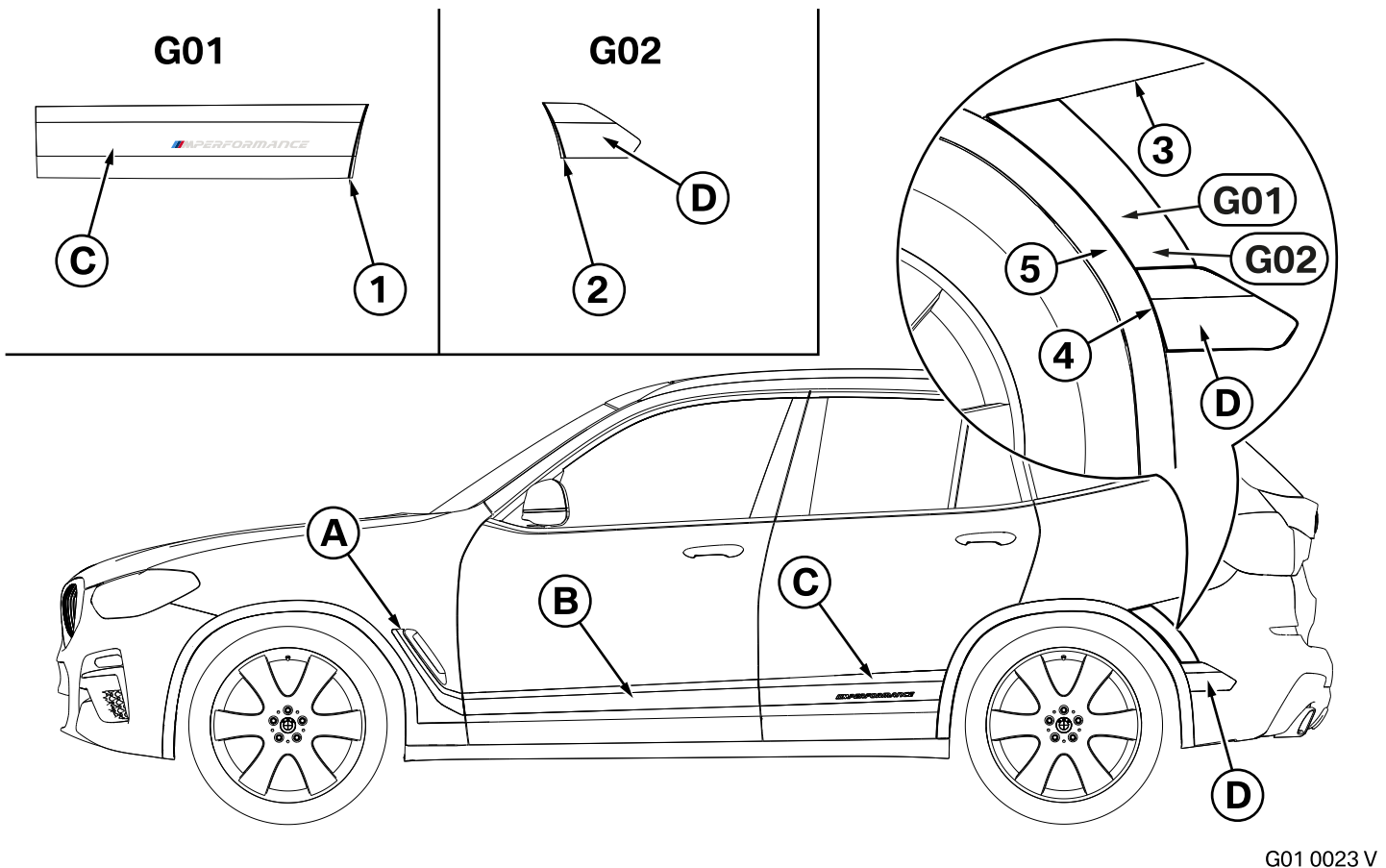
Deviations for the **F39** are described in this section.

Position the front door film **B** and the rear door film **C** flush on the top edge (1) of the cladding.

Align the template **X** on the upper component edge (2) of the rear apron and at the side on the refractory edge (3) of the rear apron and press it into position. Align the rear film **D** on the bottom edge of the template **X** and on the refractory edge (3) of the rear apron, press it into position and run the squeegee over it. Do not apply any film to the wheel arch trim (4).

Ensure that the lines are straight between films **A**, **B**, **C** and **D**. ◀

10. M Performance Frozen Black films left/right and M Performance front high gloss black foils G01/G02 installation



G01 0023 V

For G01/G02 cars:

Refer to the installation instructions on page 2.

Install as described in the section entitled "M Performance Frozen Black films, left/right G32 installation".

Deviations for the **G01/G02** are described in this section.

For the G01:

Cut the rear door film **C** along the cutting edge (1). Use template **G01**.

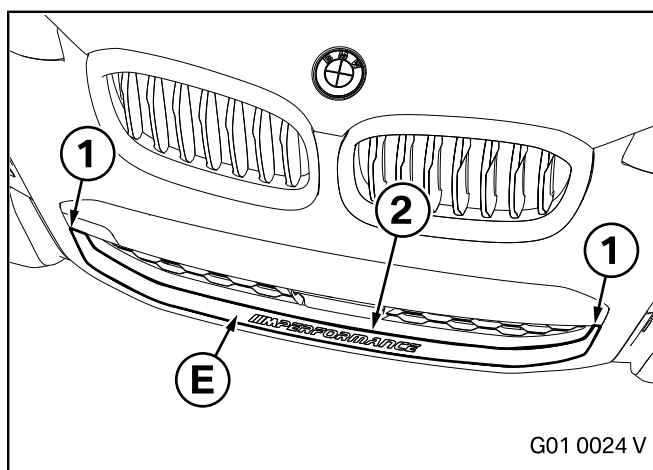
Align the template **G01** on the upper component edge (3) of the rear apron and at the side on the refractory edge (4) of the rear apron and press it into position. Align the rear film **D** on the bottom edge of the template **G01** and on the refractory edge (4) of the rear apron, press it into position and run the squeegee over it. Do not apply any film to the wheel arch trim (5).

For the G02:

Cut the rear film **D** along the cutting edge (2). Use template **G02**.

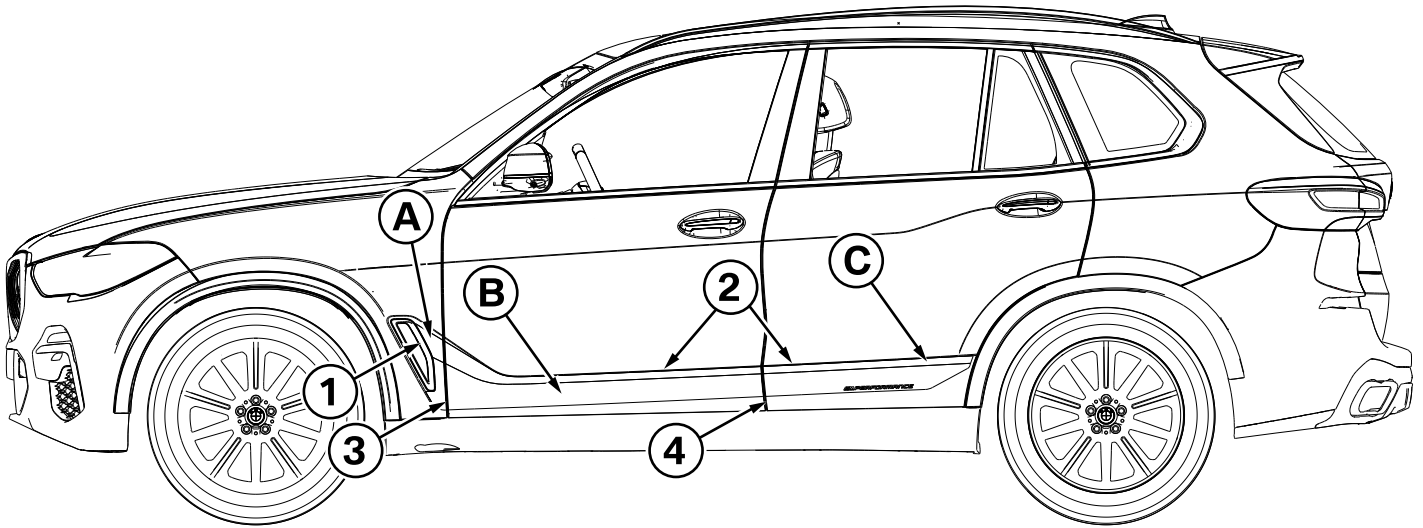
Align the template **G02** on the upper component edge (3) of the rear apron and at the side on the refractory edge (4) of the rear apron and press it into position. Align the rear film **D** on the bottom edge of the template **G02** and on the refractory edge (4) of the rear apron, press it into position and run the squeegee over it. Do not apply any film to the wheel arch trim (5). ◀

10. M Performance Frozen Black films left/right and M Performance front high gloss black foils G01/G02 installation



Align the high front gloss black film **E** in the centre, pressing both sides (1) into the corners of the air intake grille and ensuring that the edge (2) runs straight. Press the front gloss black film **E** into position and run the squeegee over it.

11. M Performance Frozen Black films, left/right G05 installation



G05 0030 V

- ☐ Refer to the installation instructions on page 2.
Install as described in the section entitled "M Performance Frozen Black films, left/right G32 installation".
Deviations for the **G05** are described in this section. ◀

Align the front film **A** on the refractory edge around the air breather contour (1).

Align the front door film **B** on the front film **A** and the refractory edge of the door bead (2).

- ☐ As a result of its proximity to the door seal, the front cut edge (3) on the front door film **B** on the front door must not be positioned against the opposite edge, but only up to the door seal. ◀

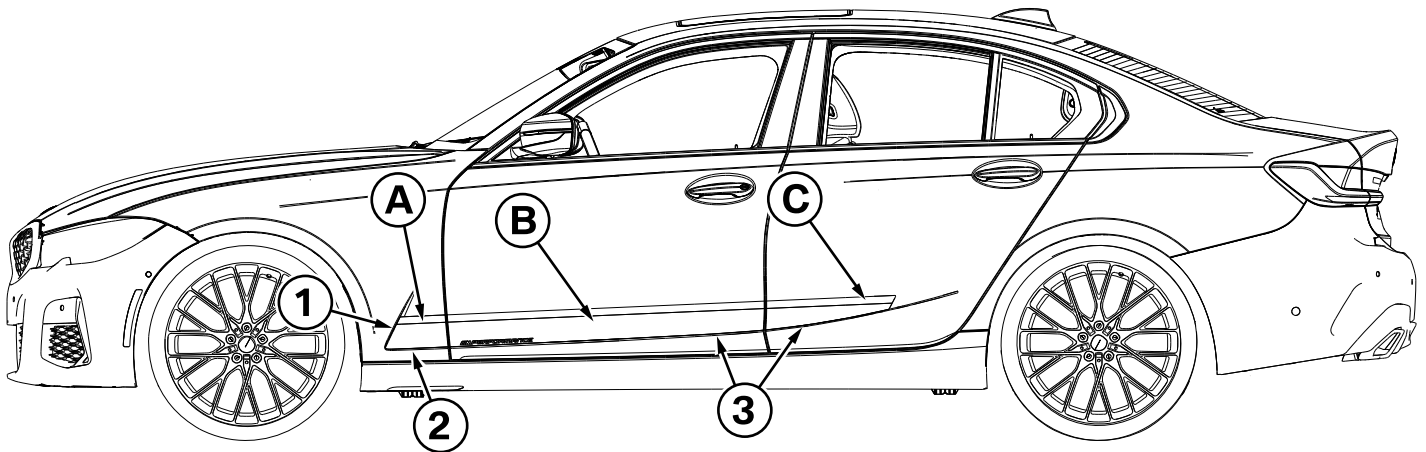
Align the rear door film **C** on the front film **B** and the refractory edge of the door bead (2).

- ☐ As a result of its proximity to the door seal, the rear cut edge (4) on the rear door film **C** on the rear door must not be positioned against the opposite edge, but only up to the door seal. ◀

Ensure that the lines are straight between films **A**, **B** and **C**.

- ☐ The M Performance Frozen Black film G05 cannot be combined with the side skirt film part number 51 14 2 456 384. ◀

12. M Performance Frozen Black foil application, left/right G20 installation



G20 0022 V

☐ Refer to the installation instructions on page 2.

Install as described in the section entitled "M Performance Frozen Black foil application, left/right G32 installation".

Differences for the **G20** are described in this section. ◀

Align the front foil application **A** on the contour (1) and contour (2).

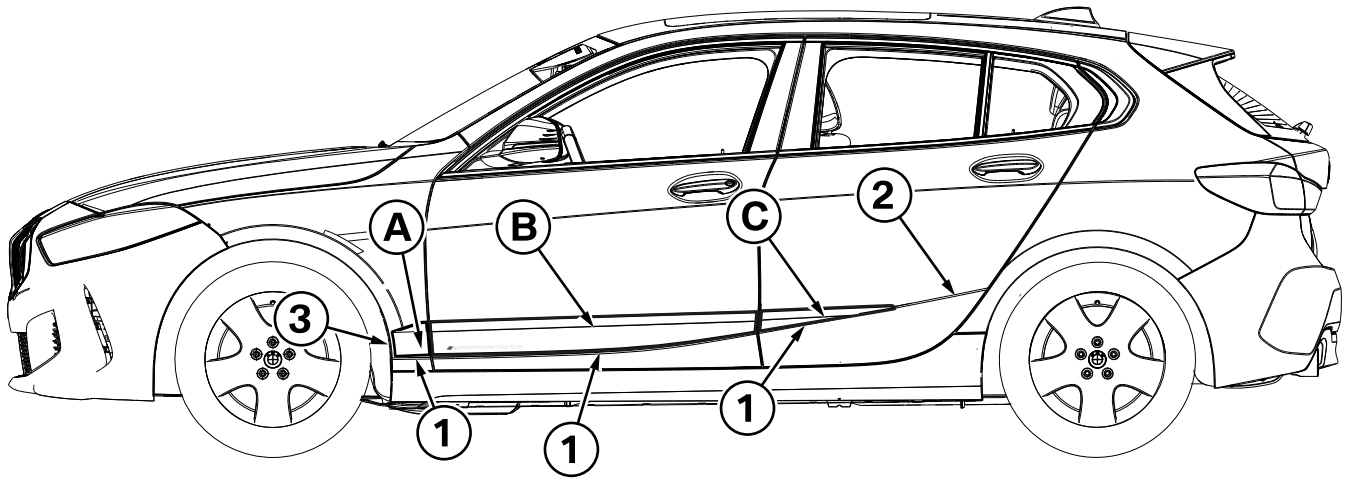
Position the front door foil application **B** on the refractory edge of the bead (3).

Position the rear door foil application **C** on the front foil application **B** and the refractory edge of the door bead (3).

Ensure that the lines are straight between foil application **A**, **B** and **C**.

☐ If the foil application is installed with the side skirt film, the logo (part number 51 14 2 461 811) must not be installed. ◀

13. M Performance Frozen Black foil application left/right and front high gloss black foil application F40 installation



F40 0022 V

☐ Refer to the installation instructions on page 2.

Install as described in the section entitled "M Performance Frozen Black foil application, left/right G32 installation".

Differences for the **F40** are described in this section. ◀

Align the edge (1) of the front door foil application **B** along the refractory edge of the door bead (2) and on the door gaps on the opposite edges.

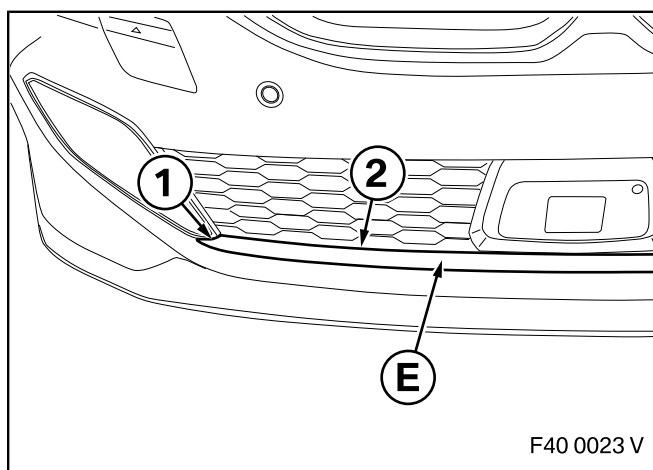
Align the edge (1) of the front foil application **A** on the refractory edge of the door bead (2) and on the start of the radius (3).

Align the edge (1) of the rear door foil application **C** along the refractory edge of the door bead (2) and on the door gap on the opposite edges.

Ensure that the lines are straight between foil application **A**, **B** and **C**.

☐ If the foil application is installed with the MPP side skirt, the logo (part number 51 14 2 461 811) must not be installed. ◀

13. M Performance Frozen Black foil application left/right and front high gloss black foil application F40 installation



Align the front high gloss black foil application **E** in the centre, pressing both sides (1) into the corners of the air intake grille and ensuring that the edge (2) runs flush along the air intake grille. Press the front high gloss black film **E** into position and run the blade over it.

14. Concluding work and coding

The retrofit system does not require programming/coding.

- none