

# Original BMW Accessories.

## Installation Instructions.



### Retrofit Aerodynamics package

#### BMW 3 Series Coupe (E92)

#### BMW 3 Series Convertible (E93)

<b>Retrofit kit no.:</b>	51 19 0 416 910	Standard aerodynamics package, all colors
	51 19 0 416 905	Standard aerodynamics package, primed
	51 19 0 416 911	Aerodynamics package with PDC, all colors
	51 19 0 416 906	Aerodynamics package with PDC, primed
	51 19 0 416 912	Aerodynamics package with ACC, standard, all colors
	51 19 0 416 907	Aerodynamics package with ACC, standard, primed
	51 19 0 416 909	Aerodynamics package with ACC and PDC, all colors
	51 19 0 416 908	Aerodynamics package with ACC and PDC, primed
	51 19 0 417 591	Standard aerodynamics package, all colors, Turbo
	51 19 0 417 557	Standard aerodynamics package, Turbo, primed
	51 19 0 417 592	Aerodynamics package with PDC, all colors, Turbo
	51 19 0 417 587	Aerodynamics package with PDC, Turbo, primed
	51 19 0 417 593	Aerodynamics package with ACC, standard, all colors, Turbo
	51 19 0 417 588	Aerodynamics package with ACC, standard, Turbo, primed
	51 19 0 417 590	Aerodynamics package with ACC and PDC, all colors, Turbo
	51 19 0 417 589	Aerodynamics package with ACC and PDC, Turbo, primed

### Installation time

The installation time is approx. 1.0 hour, but may vary depending on the condition of the car and the equipment in it.

### Important information

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

In any event, the target group for these installation instructions is specialist personnel trained on BMW cars with the appropriate specialist knowledge.

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

**To avoid unnecessary extra work and/or costs, if any installation or function problem occurs, after a brief troubleshooting session (approx. 0.5 hours), please contact the following:**

- 1. Either your national subsidiary or your regional office, or**
- 2. The support team via the Aftersales Assistance Portal (ASAP), using the optional technical parts support application.**

**Specify the chassis number and the part number of the installed retrofit kit and give a precise description of the problem.**

Do not archive the hard copy of these installation instructions since daily updates are made by 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 other text.

## Installation information

It is important to check that all attachment parts fit the vehicle before painting.

Clean gluing surfaces with Betaclean 3350 and ensure that they are free of grease.

When gluing, the ambient temperature may not fall below 18 °C or rise above 35 °C.

The vehicle is operational after approximately **6 hours** and can be taken through a car wash after **48 hours**.

## Painting instructions

Primed parts must be pretreated accordingly.

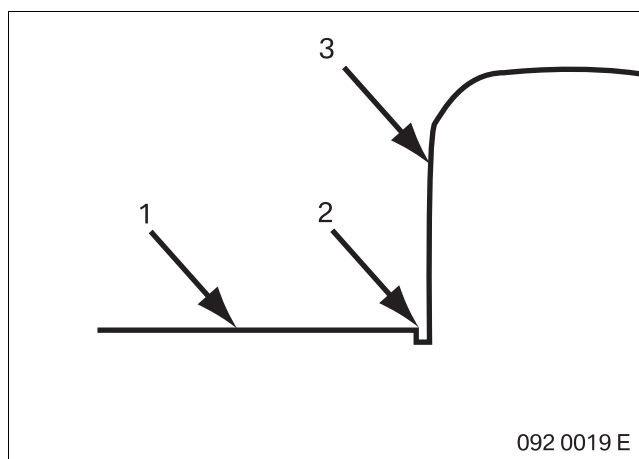
When painting, comply with the BMW painting instructions.

The honeycomb grille of the rear bumper must be completely masked, right up to and over the edge, before painting.

Areas of the bumper that will be covered by the fitted exhaust cover do not need to be painted so they should be masked.

Key:

- 1. Honeycomb grille
- 2. Edge
- 3. Area to be painted



## Notes on ordering

Adhesive kit: Betalink K

BMW part number: 82 69 9 408 866

Front attachment **A/B**, rear bumper **C** and exhaust cover **D/E** can be individually ordered as primed in the event of replacement (for part number and designation, see EPC).

## Special equipment

**SA 507/508** Park Distance Control PDC

**SA 235** Trailer tow hitch AHK

**SA 541** Active Cruise Control ACC

**SA 544** Active Cruise Control ACC with braking function

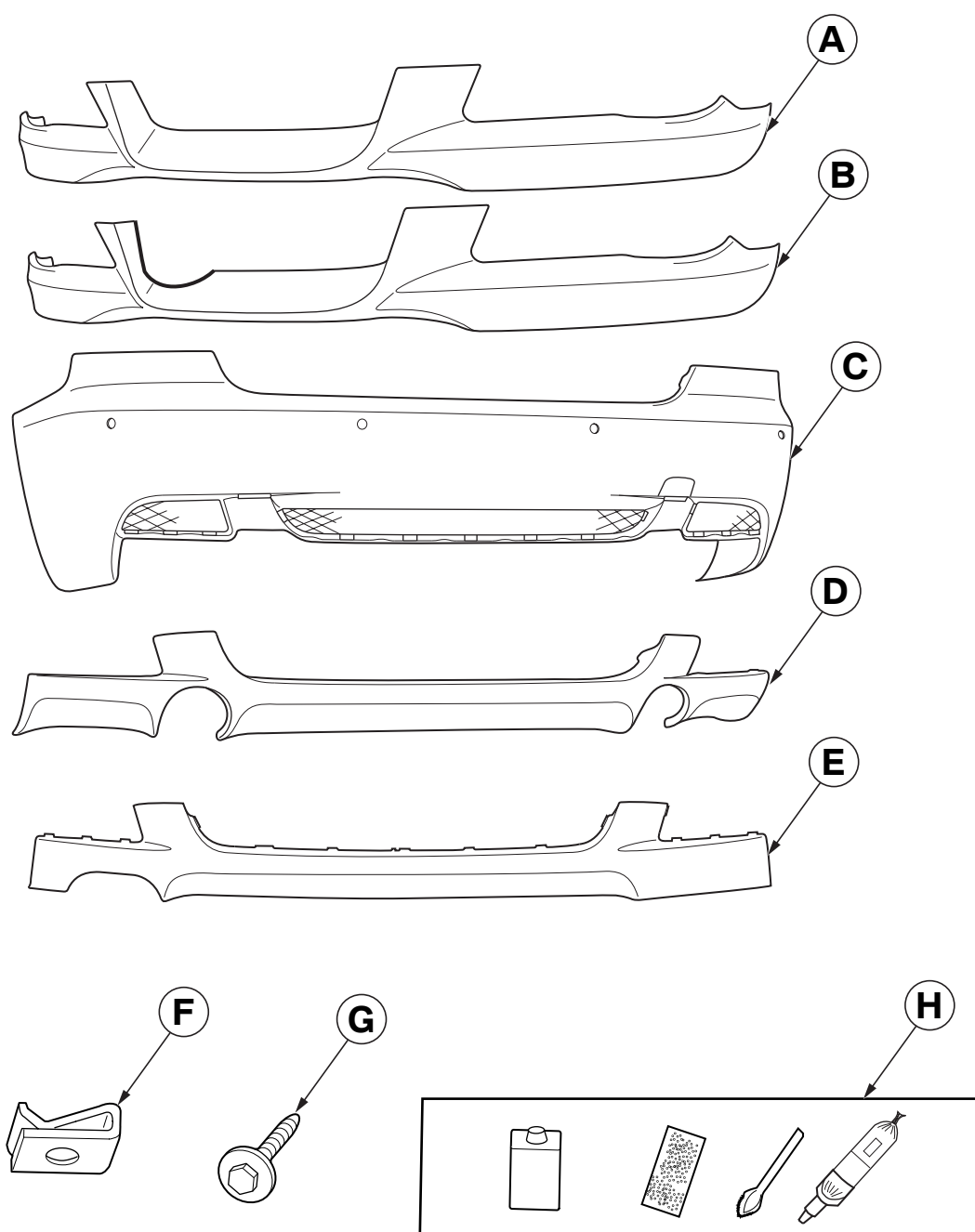
## Special tools required

None

Contents

Chapter	Page
1. Parts overview. ....	4
2. Preliminary work. ....	5
3. Installation diagram ....	6
4. Fitting front attachment ....	7
5. Fitting rear bumper ....	9

## 1. Parts overview



092 0020 E

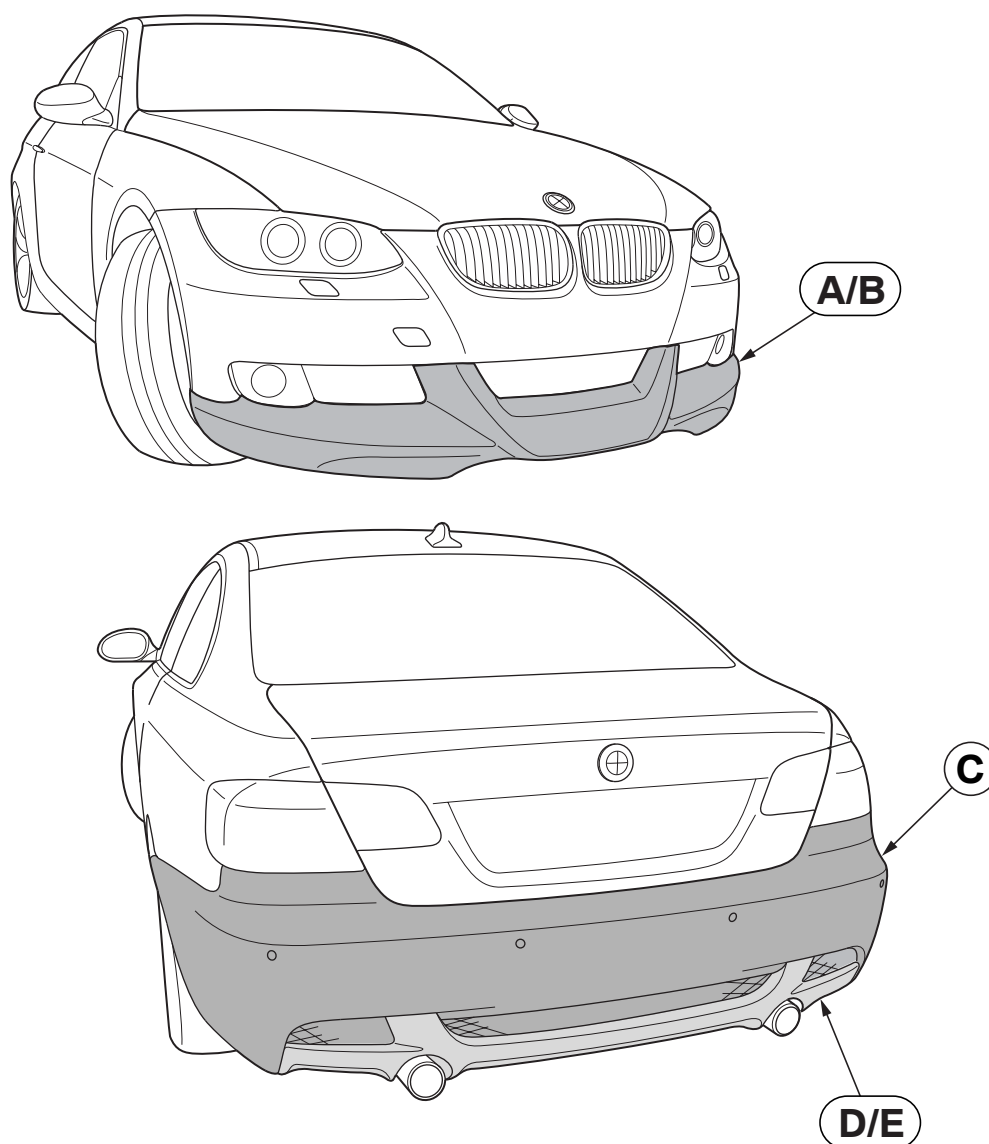
### Key

- |  |  |
|--|--|
| <b>A</b> Front attachment (1 each)                           | <b>E</b> Exhaust cover (1 each) (4/6 cylinder) |
| <b>B</b> Front attachment (1 each) with <b>SA 541/SA 544</b> | <b>F</b> Sheet nut (2 each)                    |
| <b>C</b> Rear bumper (1 each)                                | <b>G</b> Bolt (7 each)                         |
| <b>D</b> Exhaust cover (1 each) (Turbo)                      | <b>H</b> Betalink K1 adhesive kit (1 each)     |

2. Preliminary work

	TIS No.
Remove the following components in advance	
Rear bumper	51 12 000
For cars with SA 507/SA 508 (PDC)	
Remove and attach rear PDC sensors	66 20 520

### 3. Installation diagram



092 0021 E

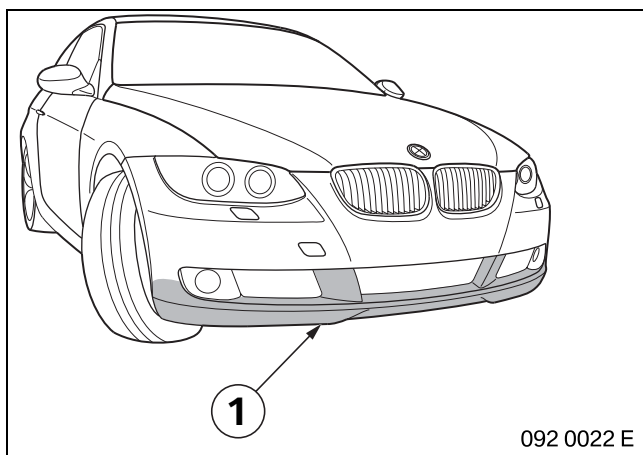
#### Key

**A/B** Front attachment

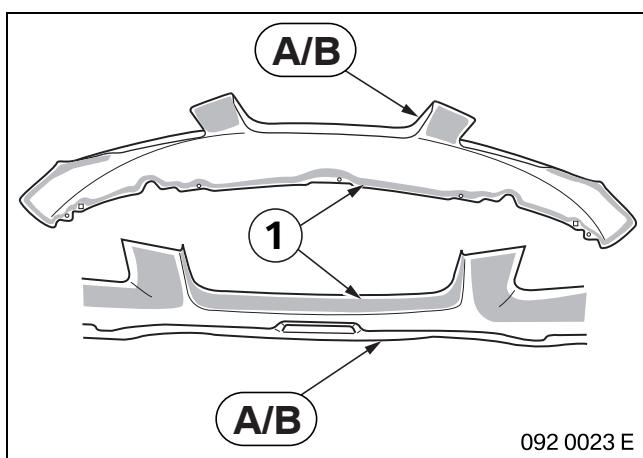
**C** Rear bumper

**D/E** Exhaust cover

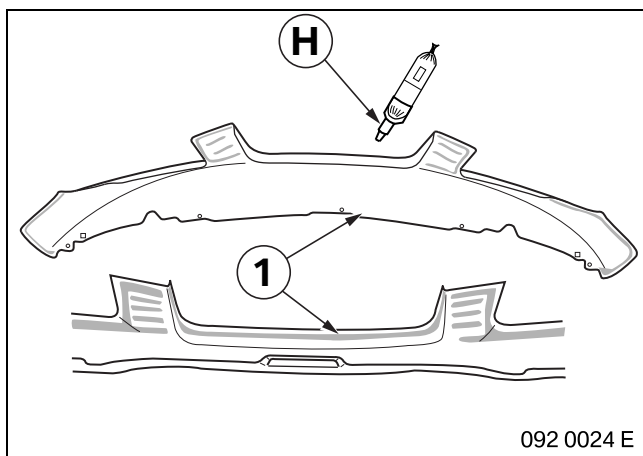
## 4. Fitting front attachment



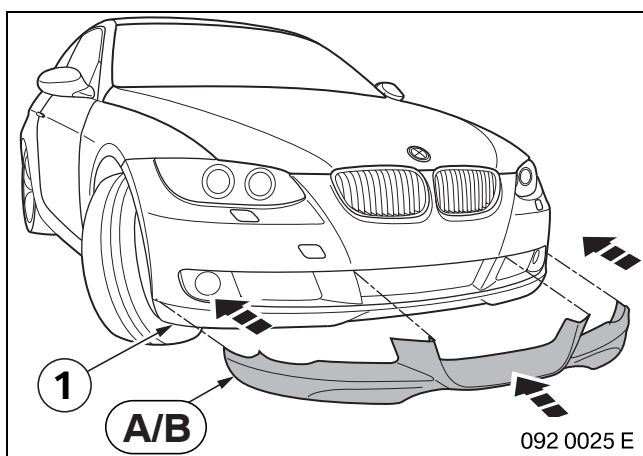
Clean gluing area (1) all over with Betaclean.



Roughen glue surfaces (1) **on the inside** of front attachment **A/B** with the sandpaper included in the adhesive kit and then clean with Betaclean.

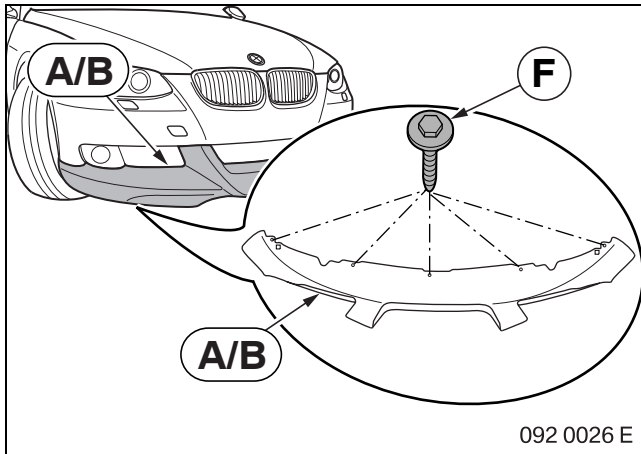


Apply adhesive **H** evenly to the gluing surfaces (1) **on the inside**.

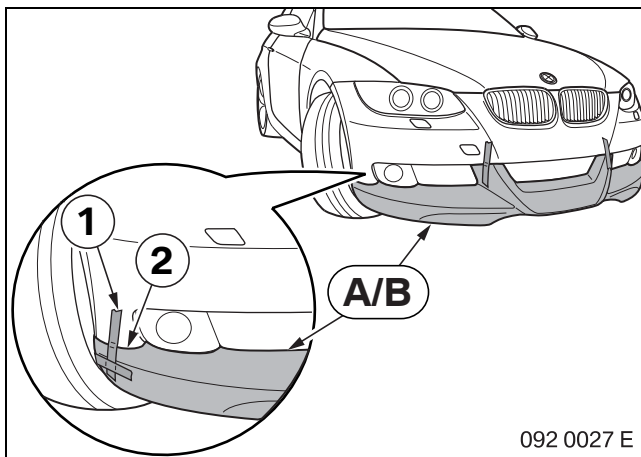


Carefully place front attachment **A/B** onto the bumper (1) and position exactly.

## 4. Fitting front attachment



Affix front attachment **A/B** at the five screw fastening points with bolts **F**.

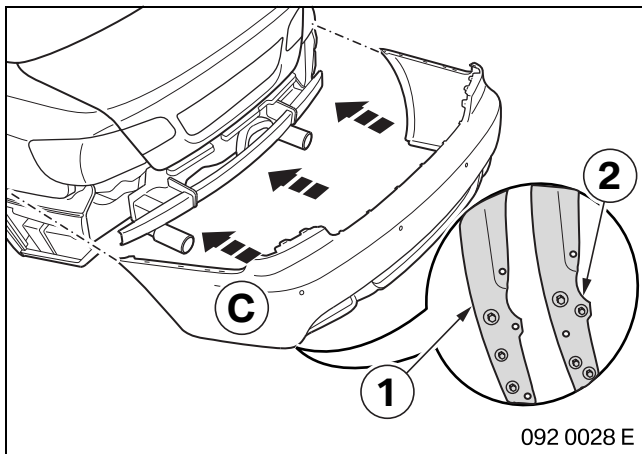


Press all over front attachment **A/B** to ensure attachment and protect against slipping with tape (1).

Remove any excess glue at the edges (2) with spatula and Betaclean.



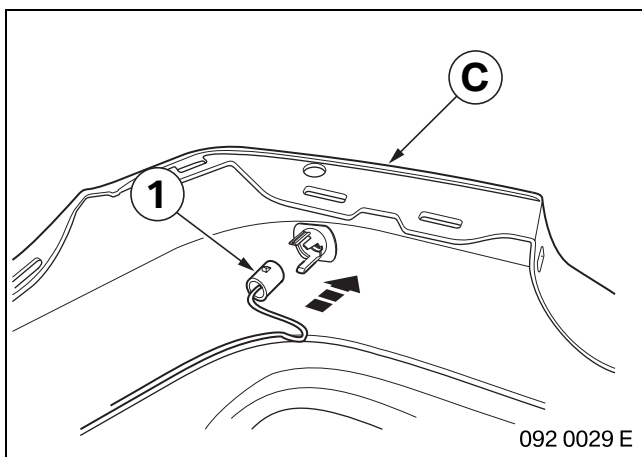
## 5. Fitting rear bumper



Mount rear bumper **C** on the car according to TIS.

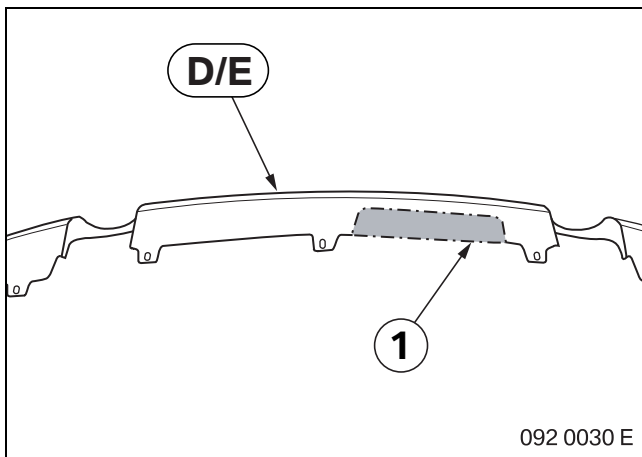
In 4/6 cylinder cars, bumper **C** is affixed with 3 bolts (1).

In Turbo cars, bumper **C** is affixed with 4 bolts (2).



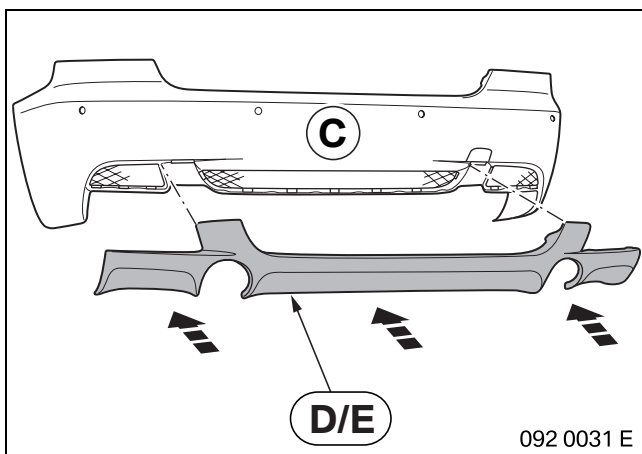
**Only for cars with SA 507/SA 508 (PDC).**

Clip PDC sensors (1) into rear bumper **C** according to TIS.



**Only for cars with SA 235 (AHK).**

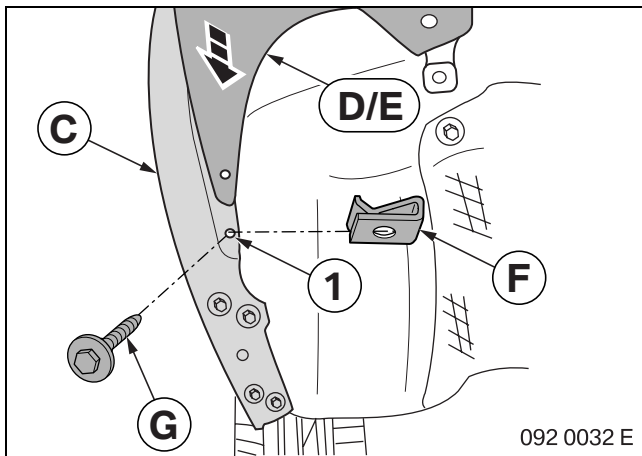
Trim exhaust cover **D/E** along the marking (1).



**For all vehicles.**

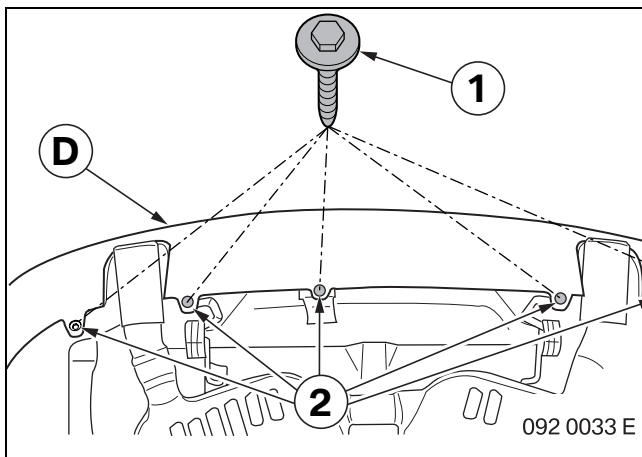
Place exhaust cover **D/E** onto bumper **C** just mounted on the car.

## 5. Fitting rear bumper



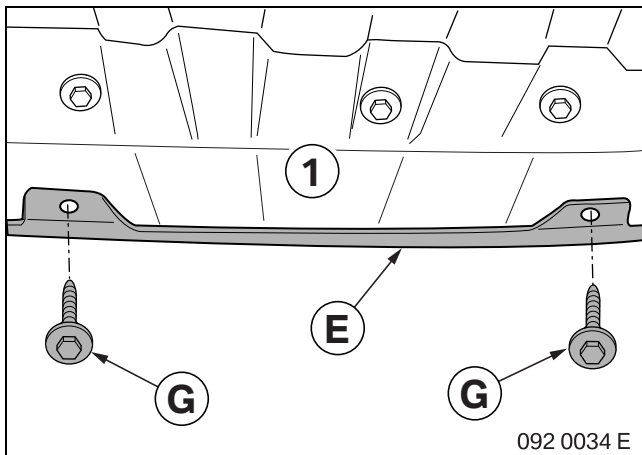
To mount exhaust cover **D/E**, attach sheet nut **F** to bumper **C** and affix with bolts **G**.

Fit right side in the same way.



### Only for Turbo cars.

Affix exhaust cover **D** with series-produced bolts (1) at the attachment points provided (2).



### Only for 4/6 cylinder cars.

Affix exhaust cover **E** in the central area with 2 bolts **G**. These are bolted through the underbody trim (1).