

# Original BMW Accessories.

## Installation Instructions.



### Mud Flaps Retrofit Kit BMW X5 (F15)

#### Retrofit kit number

82 16 2 302 402	Set of front mud flaps (18"/19" wheels)
82 16 2 302 408	Set of rear mud flaps (18"/19" wheels)
82 16 2 302 409	Set of front mud flaps (20" wheels)
82 16 2 302 431	Set of rear mud flaps (20" wheels)

#### Installation time

The installation time is **approx. 0.5 hours**. This 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 organisation and by authorised 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, wiring diagrams, servicing manuals and work instructions, in a rational order, using the prescribed tools (special tools) and observing current health and safety regulations.

#### **If you experience installation or function 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:

- Vehicle identification number,
- 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 provided via 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**

The installation work is shown only on the left-hand side of the car. Proceed in exactly the same way on the right-hand side.

All pictures show LHD cars; proceed accordingly on RHD cars.

Bonding surfaces must be cleaned with a cleaner and must be free from grease.

The ambient temperature for bonding and drying must be no lower than 15 °C and no higher than 35 °C.

The car may be driven after approx. **6 hours** and may be taken through a car wash after **48 hours**.

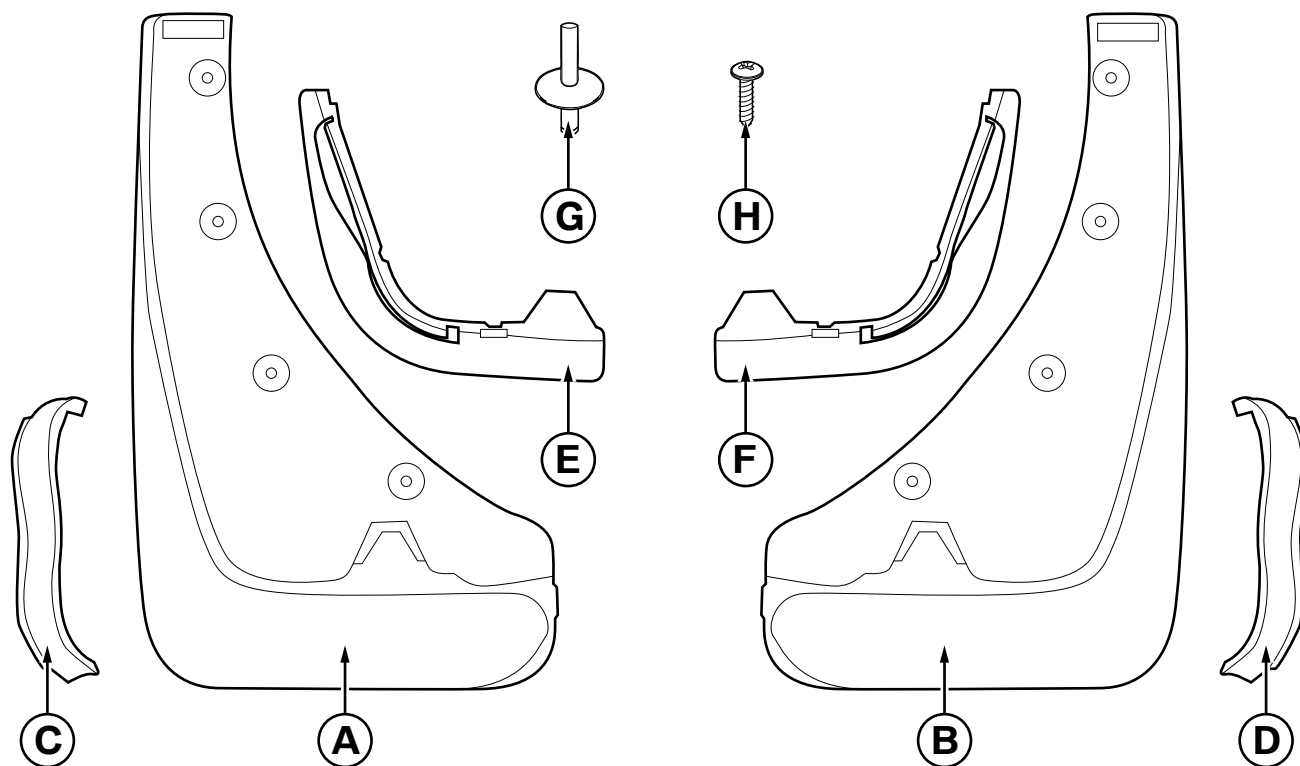
### **Special tools required**

None

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## 1. Front mud flaps retrofit kit parts list

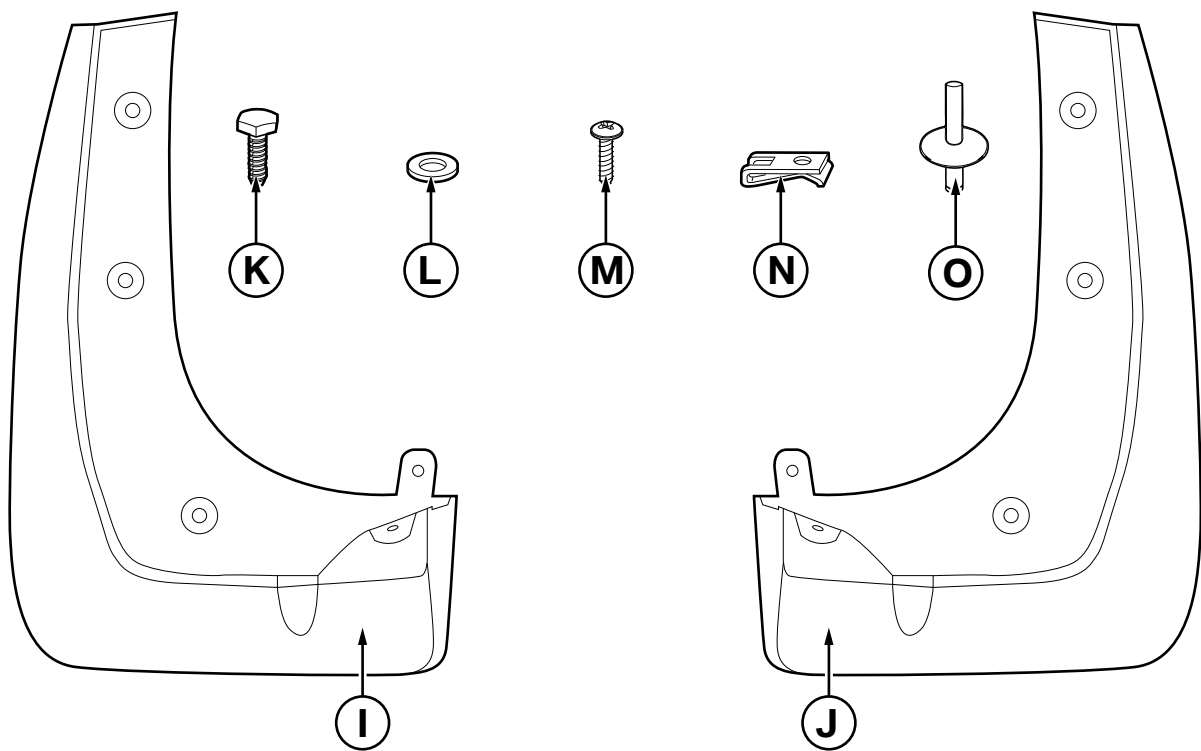


F15 0050 V

### Legend

- A** Front left mud flap (shown for 20" wheels)
- B** Front right mud flap (shown for 20" wheels)
- C** Front left mud flap equaliser (only required for cars with SA 328)
- D** Front right mud flap equaliser (only required for cars with SA 328)
- E** Left cutting template (only required for cars with SA 328)
- F** Right cutting template (only required for cars with SA 328)
- G** Expanding rivet (18"/19" wheels 4 x, 20" wheels 6 x)
- H** Self-tapping screw (2 x)

## 2. Rear mud flaps retrofit kit parts list

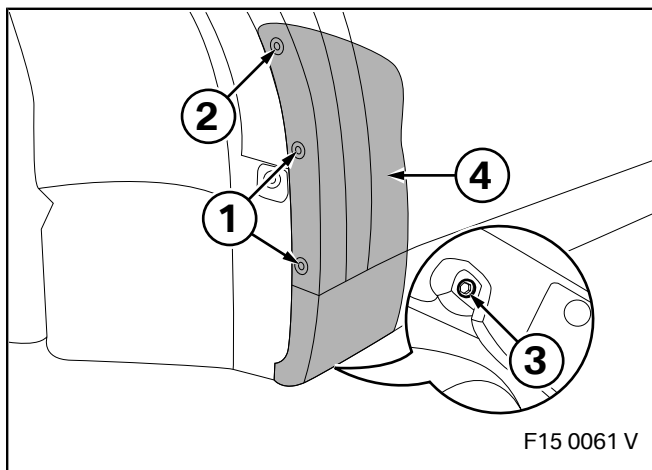


F15 0056 V

### Legend

- I** Rear left mud flap
- J** Rear right mud flap
- K** Hexagon screw 4.8 x 22 mm (2 x)
- L** Washer 5 mm (2 x)
- M** Self-tapping screw 4.8 x 22 mm (4 x)
- N** C-clip 4.8 mm (2 x)
- O** Expanding rivet (6 x)

### 3. Front bumper assembly for cars without SA 328 (step)




Remove the rivets (1) (these are no longer required).

#### For 20" wheels only

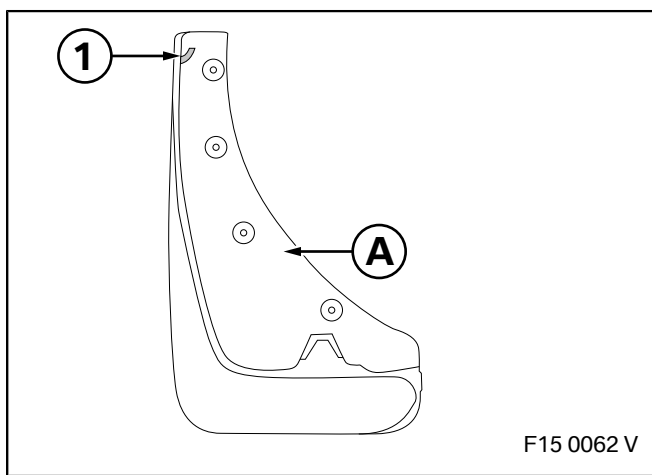
Remove the rivet (2) (it is no longer required).

#### For all cars

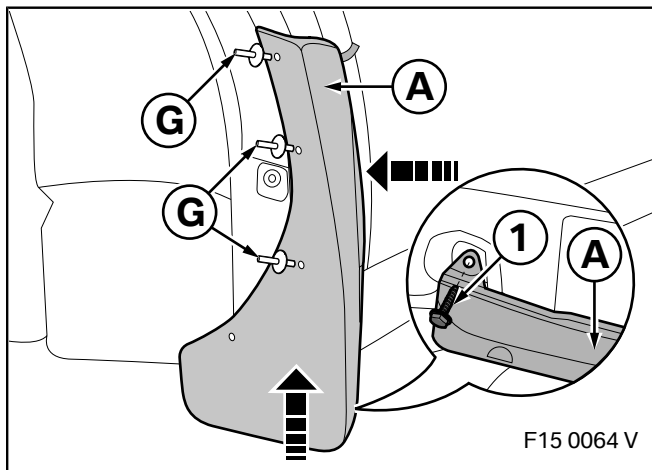
Remove the screw (3) underneath the wheel arch (it will be required again later).

 The areas being bonded must be completely dry, clean and free from wax or grease. ◀

Clean the car surface (4) with suitable agents.



Remove the protective backing film (1) in the upper area of front left mud flap **A** so that a small tab forms.



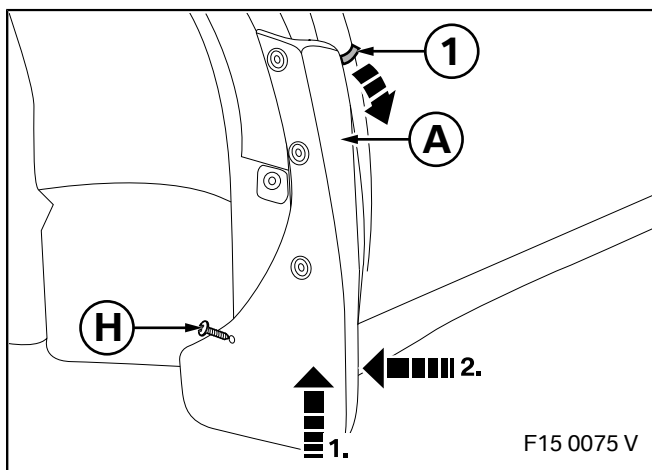
Place front left mud flap **A** in position and secure using two expanding rivets **G**.

#### For 20" wheels only

Secure front left mud flap **A** using another expanding rivet **G**.

#### For all cars

Then fit the original screw (1) below the wheel arch.

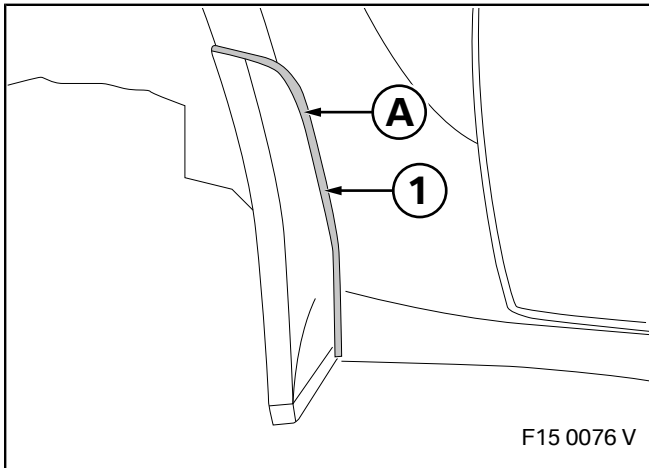


Push front left mud flap **A** upwards until it lies with as good a fit as possible against the car contour.

Carefully pull the adhesive backing film (1) off downwards and press firmly in the area of this adhesive strip onto the side wall.

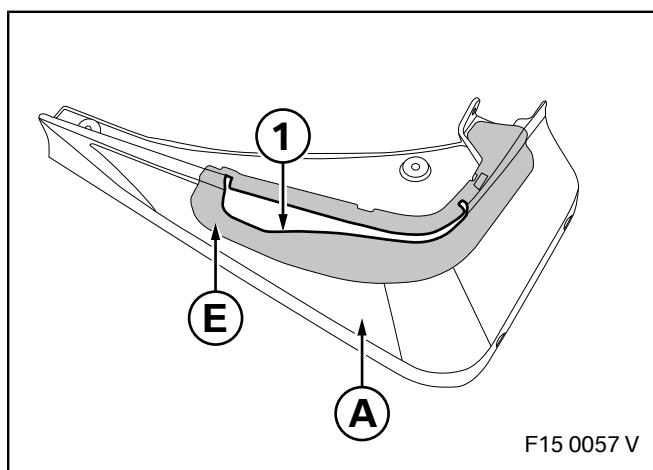
Secure front left mud flap **A** using self-tapping screw **H**.

### 3. Front bumper assembly for cars without SA 328 (step)

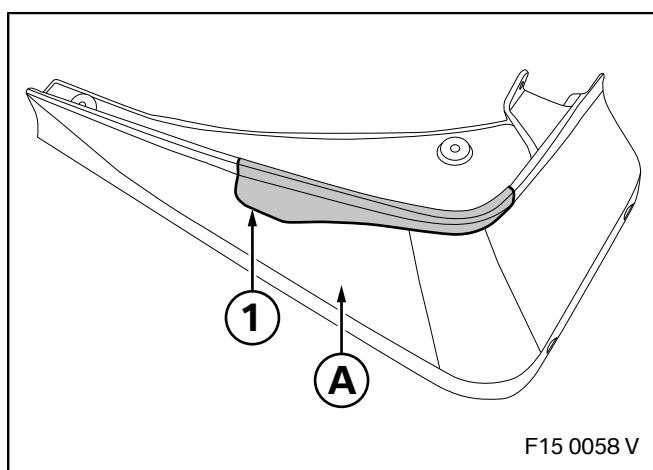


After five minutes, press on front left mud flap **A** again from the bottom upwards in the area of the adhesive strip (1).

#### 4. Front bumper assembly for cars with SA 328 (step)

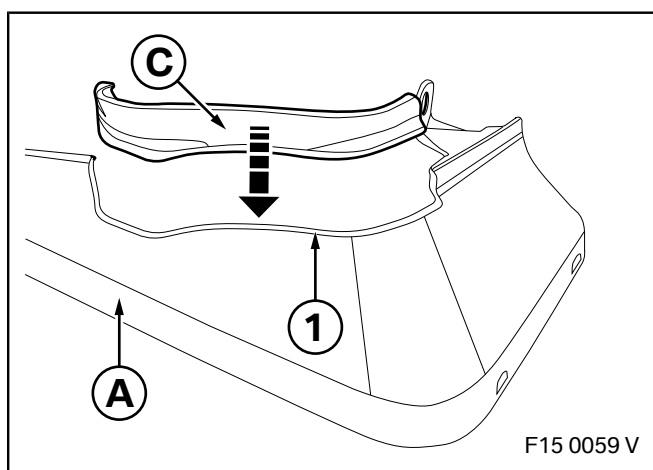


Place left cutting template **E** on front left mud flap **A**.  
 Draw in the inner contour (1) with a scribe.  
 Remove left cutting template **E**.

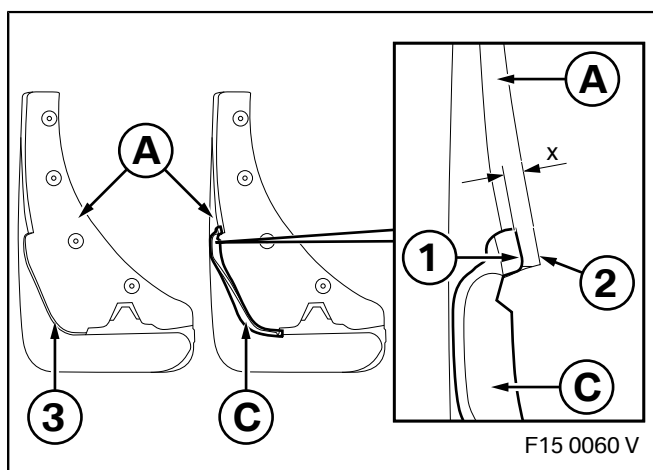


⏏ Ensure that the component temperature when cutting is 20-25 °C. ◀

Carefully cut out the etched contour (1) on front left mud flap **A** using a suitable tool (Stanley knife) and remove any burrs.



Attach front left mud flap equaliser **C** to the edge (1) of front left mud flap **A**.

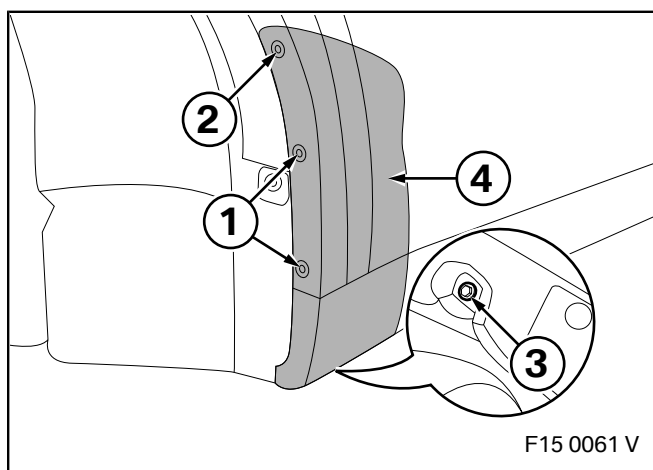


The edge (1) of front left mud flap equaliser **C** must not cover the same area as the edge (2) of front left mud flap **A**.

After attaching, there must be a distance of **x = 2 mm** between the edge (1) of front left mud flap equaliser **C** and edge (2) of front left mud flap **A** as shown.

If distance **x = 2 mm** is not present, the edge (3) must be cut again until a distance **x = 2 mm** is produced between the edge (1) of front left mud flap equaliser **C** and the edge (2) of front left mud flap **A**.

#### 4. Front bumper assembly for cars with SA 328 (step)




Remove the rivets (1) (these are no longer required).

##### For 20" wheels only

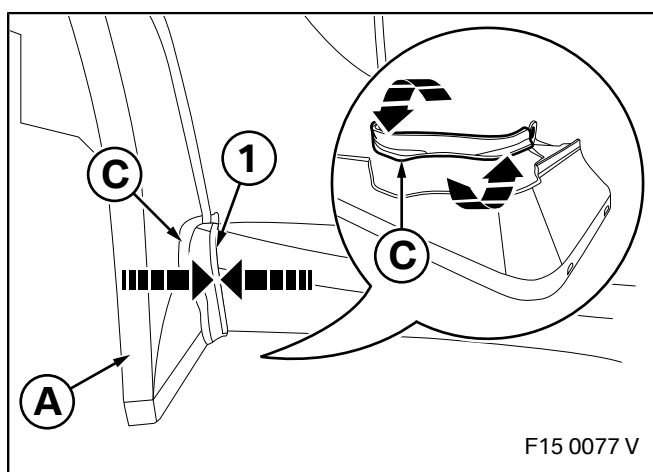
Remove the rivet (2) (it is no longer required).

##### For all cars


Remove the screw (3) underneath the wheel arch (it will be required again later).

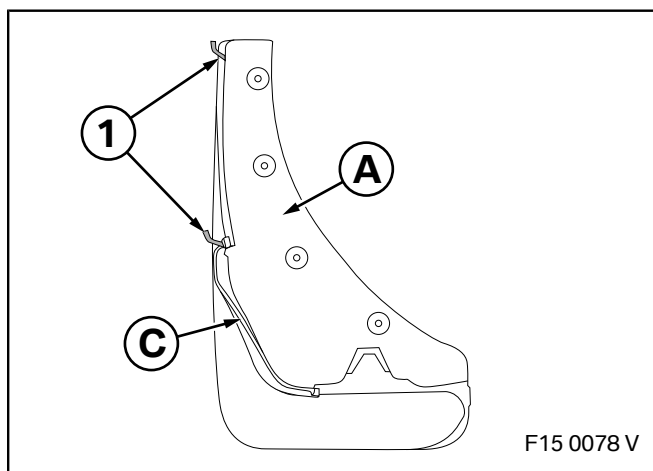
 The areas being bonded must be completely dry, clean and free from wax or grease. ◀

Clean the car surface (4) with suitable agents.

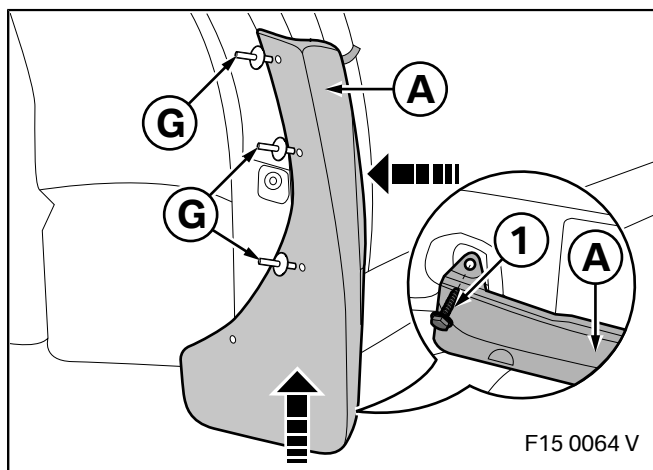


Hold front left mud flap **A** together with left front mud flap equaliser **C** in the installation position against the car and check the gap (1).

 If the gap (1) between front left mud flap **A** and front left mud flap equaliser **C** is not a perfect fit, then front left mud flap equaliser **C** can be twisted until it fits better. ◀



Remove the protective backing film (1) in the upper area of front left mud flap **A** and front left mud flap equaliser **C** so that a small tab forms.



Place front left mud flap **A** in position and secure using two expanding rivets **G**.

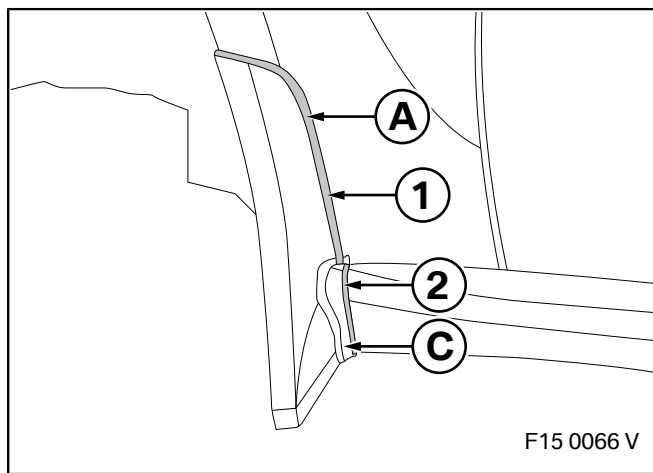
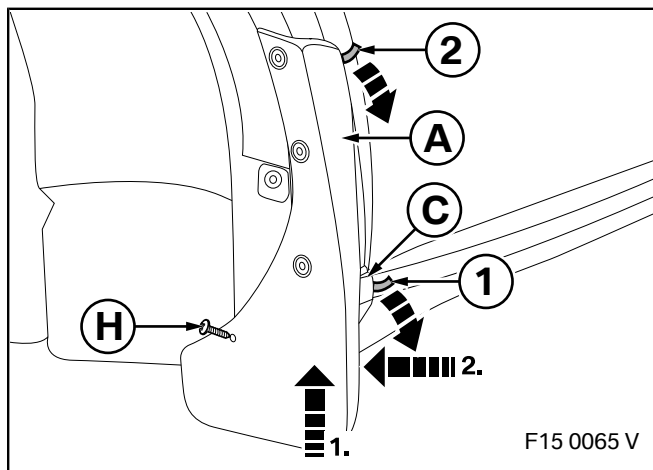
##### For 20" wheels only

Secure front left mud flap **A** using another expanding rivet **G**.

##### For all cars

Then fit the original screw (1) below the wheel arch.

#### 4. Front bumper assembly for cars with SA 328 (step)



Push front left mud flap **A** upwards until it lies with as good a fit as possible against the car contour.

Carefully pull the protective backing film (1) downwards and outwards. Press front left mud flap equaliser **C** firmly against the side sill in the area of this adhesive strip.

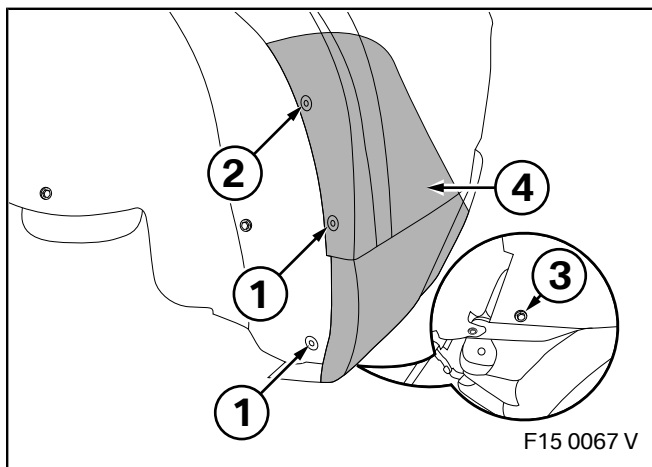
Carefully pull the adhesive backing film (2) off downwards and press firmly in the area of this adhesive strip onto the side wall.

Secure front left mud flap **A** using self-tapping screw **H**.

After five minutes, press on front left mud flap **A** again from the bottom upwards in the area of the adhesive strip (1).

Also press on the adhesive strip (2) of front left mud flap equaliser **C** again from the bottom upwards.

## 5. Fitting the rear mud flaps




Remove the rivets (1) (these are no longer required).

### For 20" wheels only

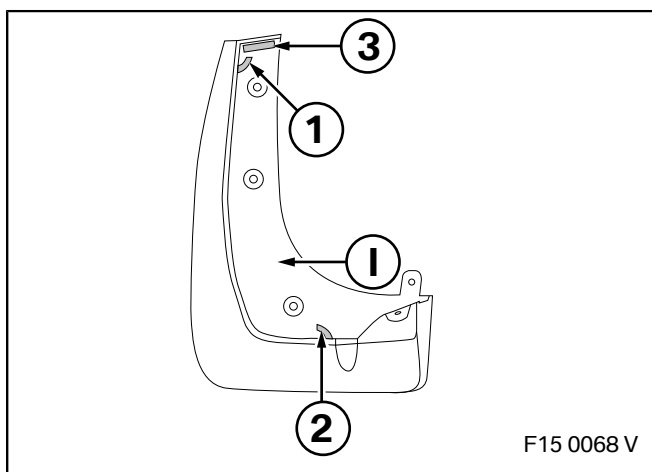
Remove the rivet (2) (it is no longer required).

### For all cars

Remove the screw (3) underneath the wheel arch (it is no longer required).

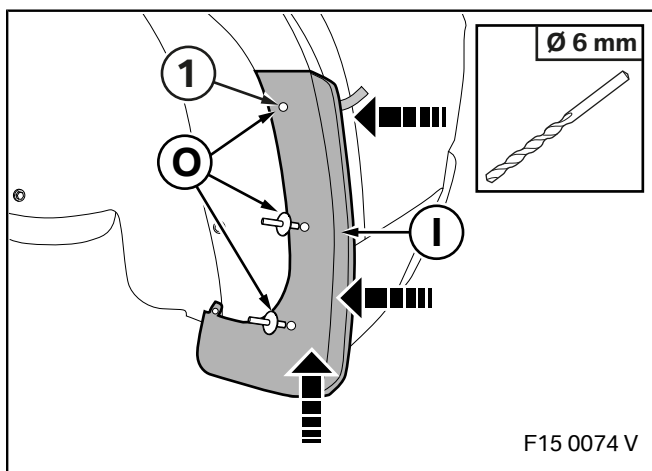
 The areas being bonded must be completely dry, clean and free from wax or grease. ◀

Clean the car surface (4) with suitable agents.




Pull off the adhesive backing film (1) in the upper area and adhesive backing film (2) in the lower area of rear left mud flap **I** so that small tabs form.

Completely remove the adhesive backing film (3) in the upper area.

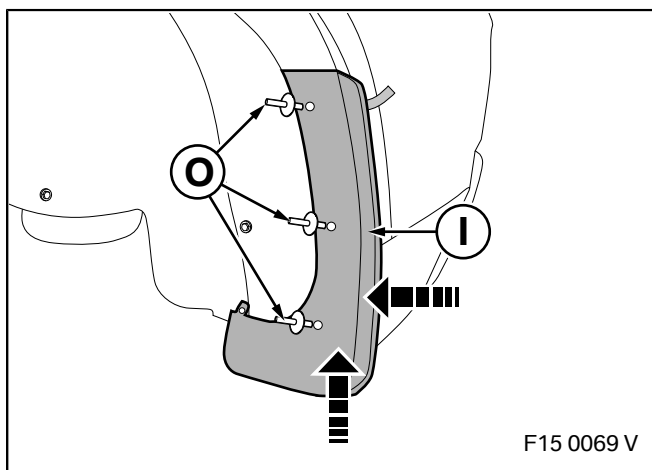


### For 18"/19" wheels only

Place rear left mud flap **I** in position and secure using two expanding rivets **O**.


 To avoid splitting, push rear left mud flap **I** upwards and onto the side wall when securing it in place. When drilling, note the maximum drilling depth of approx. 25 mm. ◀

Drill a hole (1) using a **6 mm** drill bit. Then press in expanding rivet **O**.

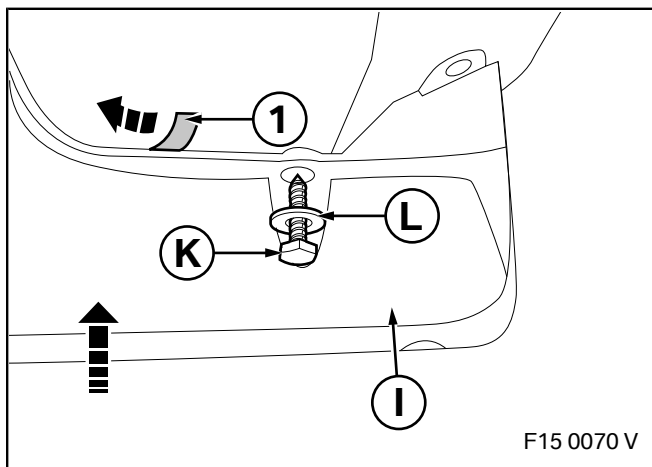


### For 20" wheels only

Place rear left mud flap **I** in position and secure using three expanding rivets **O**.

 To avoid splitting, push rear left mud flap **I** upwards and onto the side wall when securing it in place. ◀

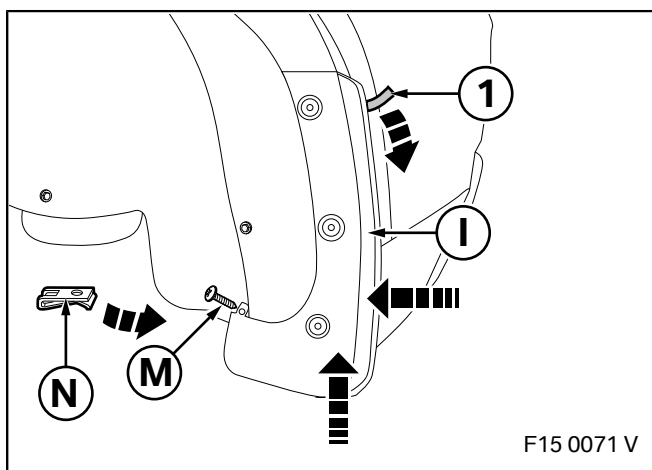
## 5. Fitting the rear mud flaps



### For all cars

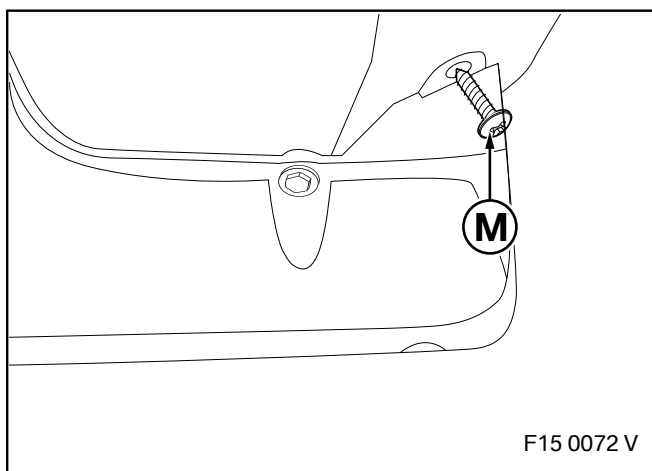
Below the wheel arch, screw in hexagon screw **K** with washer **L**.

Then carefully pull off adhesive backing film (1) upwards and press rear left mud flap **I** upwards into place.

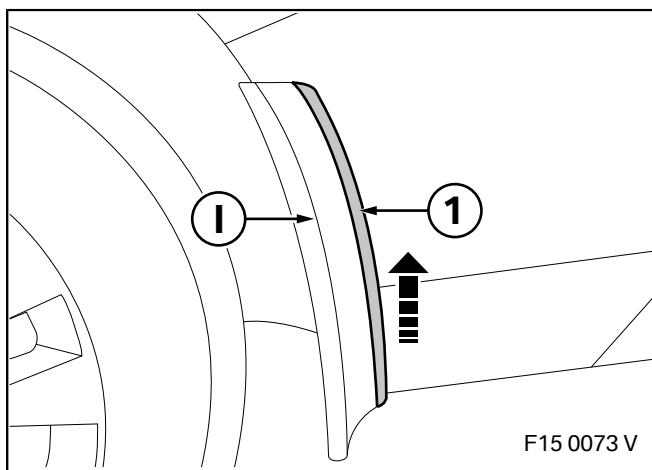


Carefully pull the adhesive backing film (1) off downwards and press rear left mud flap **I** firmly in the area of this adhesive strip onto the side wall.

Then place C-clip **N** from behind onto self-tapping screw **M** and tighten self-tapping screw **M**.



Below the wheel arch, screw in self-tapping screw **M**.



After five minutes, press on rear left mud flap **I** again from the bottom upwards in the area of the adhesive strip (1).