

REMOVING - REFITTING : EXTERIOR MIRROR

1. Recommended tools

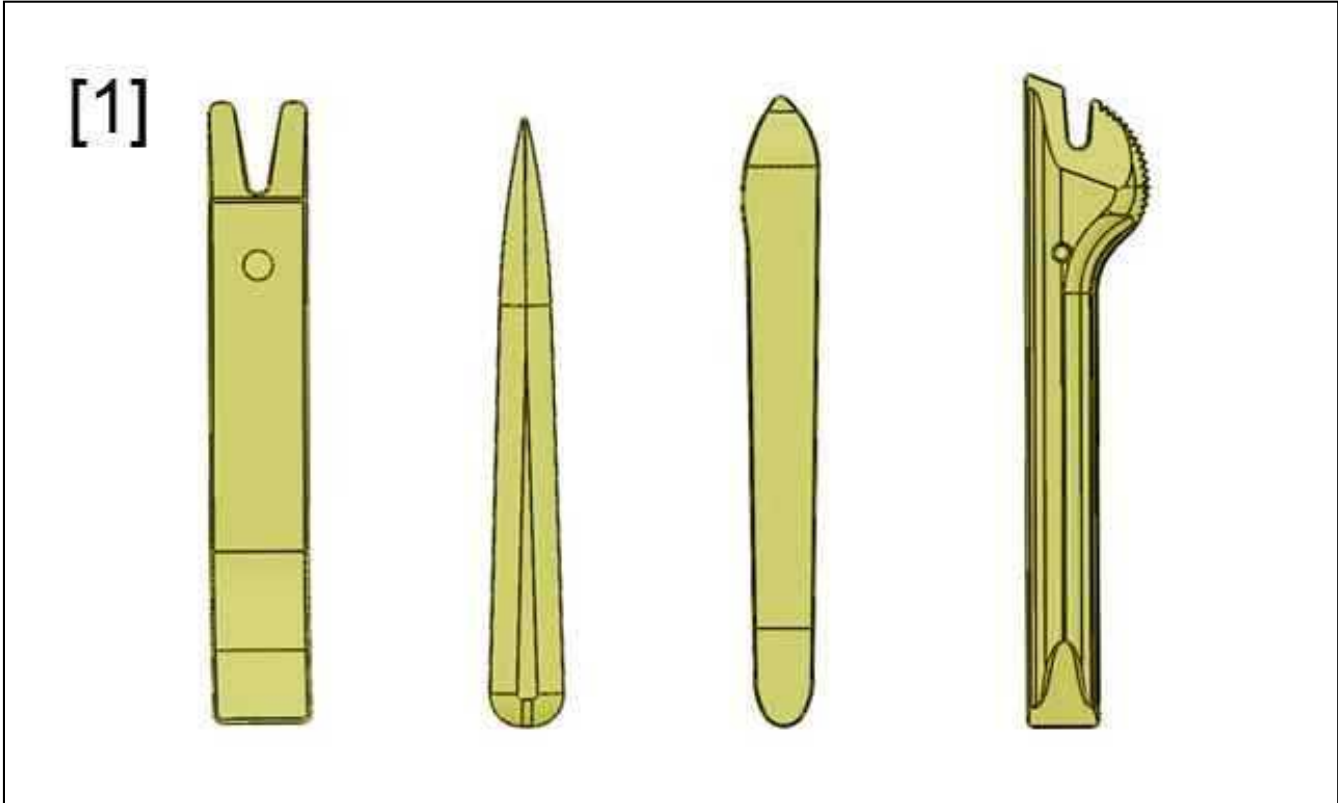


Figure : E5AP30WD

[1] Stripping tools (-).1350-ZZ.

2. Removing

Open the door.

Remove the trim panel of the front door ⓘ .

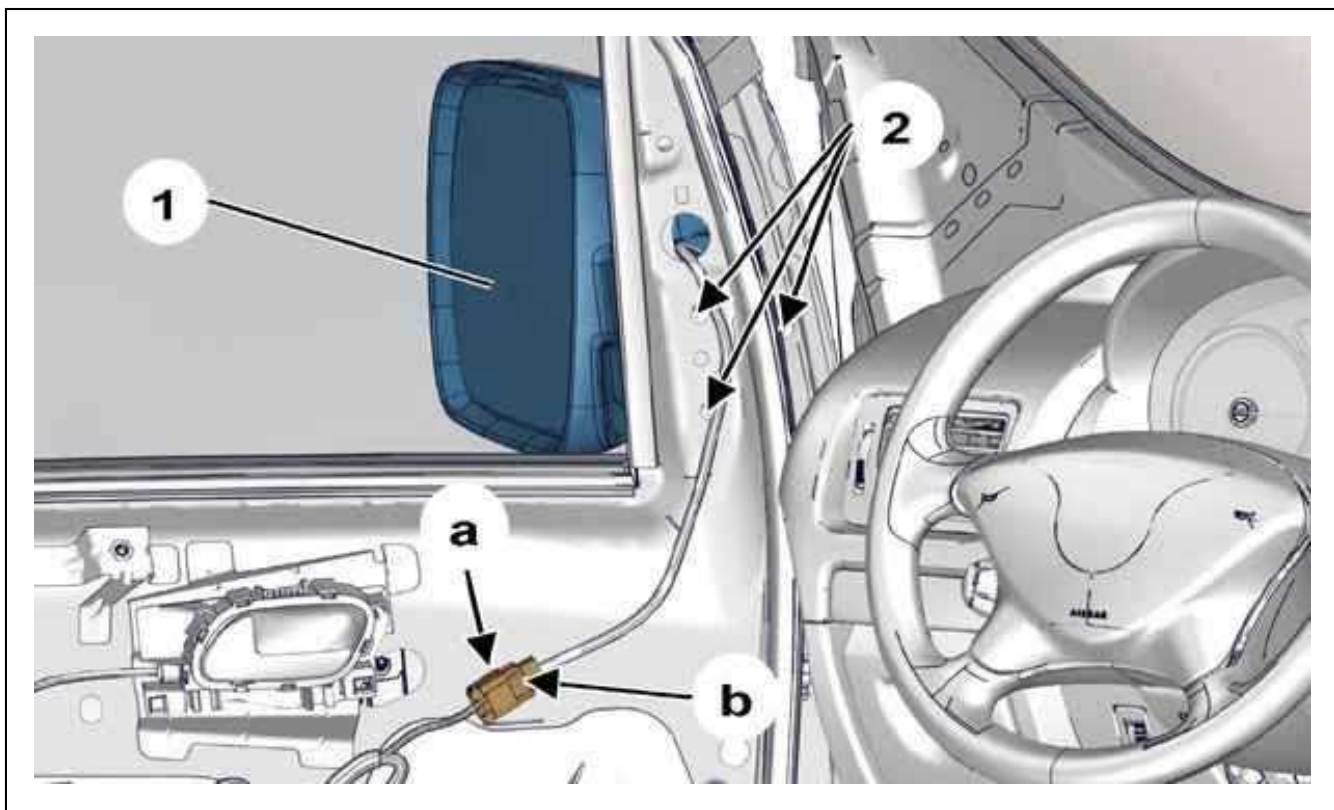


Figure : C4CP2EQD

Unclip the connector "b" (as "a").
Disconnect the connector "b".
Remove the 3 bolts (2).

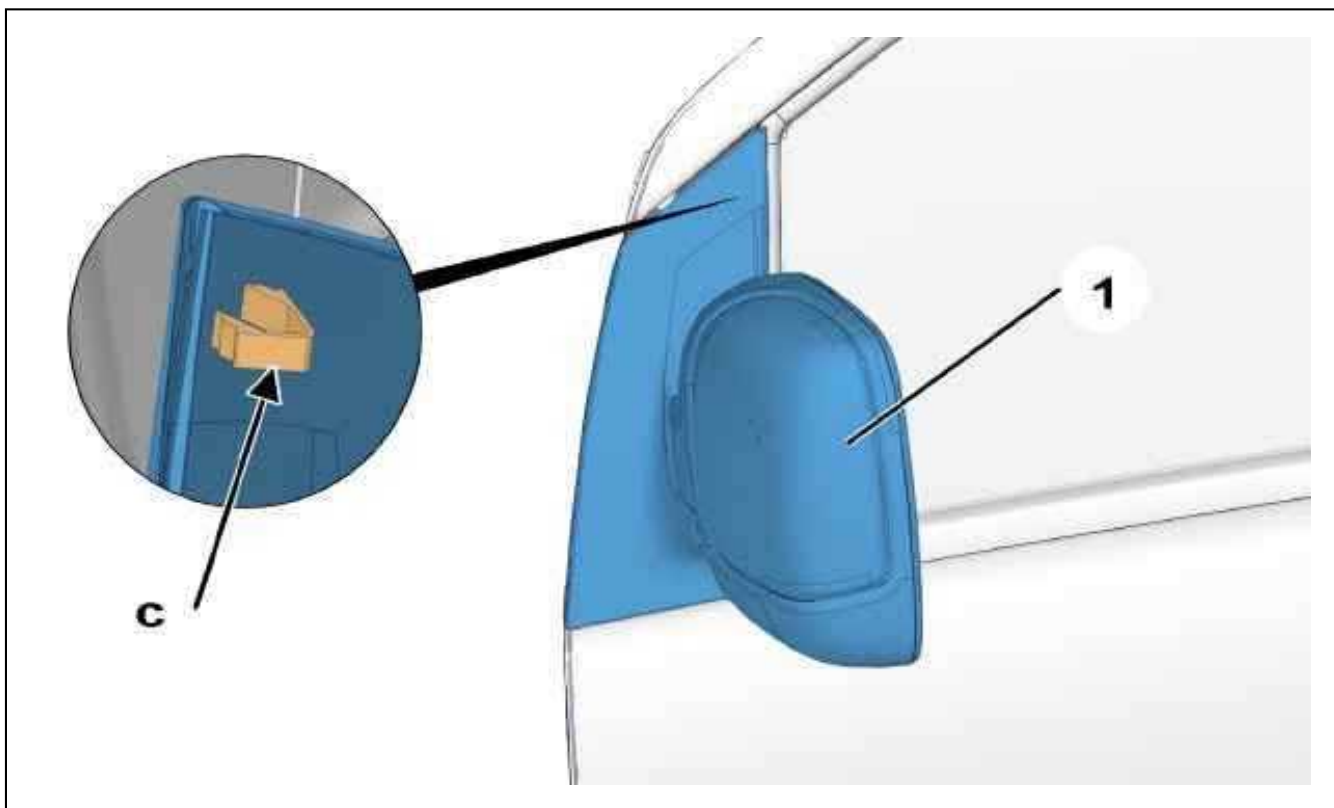


Figure : C4CP2ERD

Unclip the exterior rear view mirror (1) using tool [1] (as "c").

Remove the exterior rear view mirror (1).

3. Refitting

Proceed in the reverse order to removal.

Check the electrical operation of the exterior rear view mirror.

REMOVING - REFITTING : EXTERIOR REAR VIEW MIRROR GLASS

1. Removing

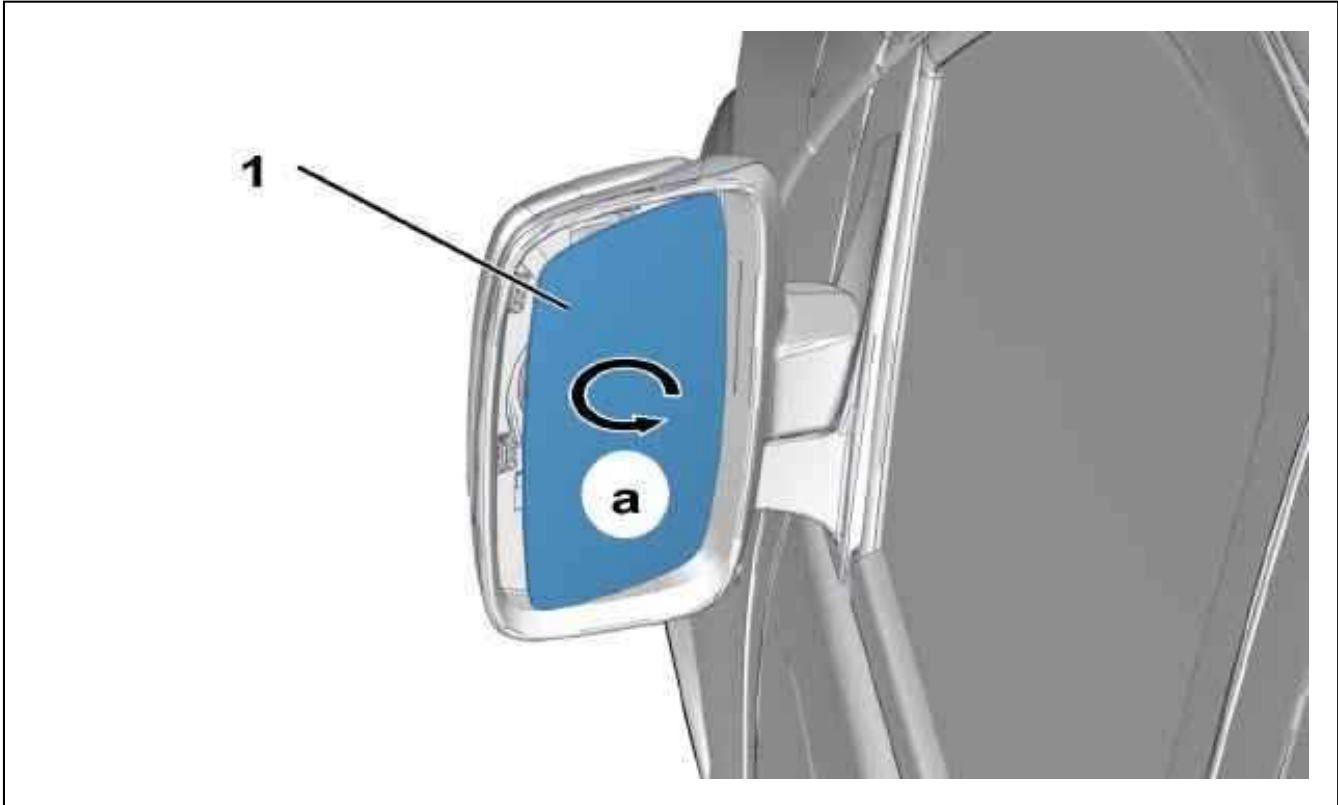


Figure : C4CP2F3D

Adjust the position of the exterior rear view mirror glass (1) (At "a").

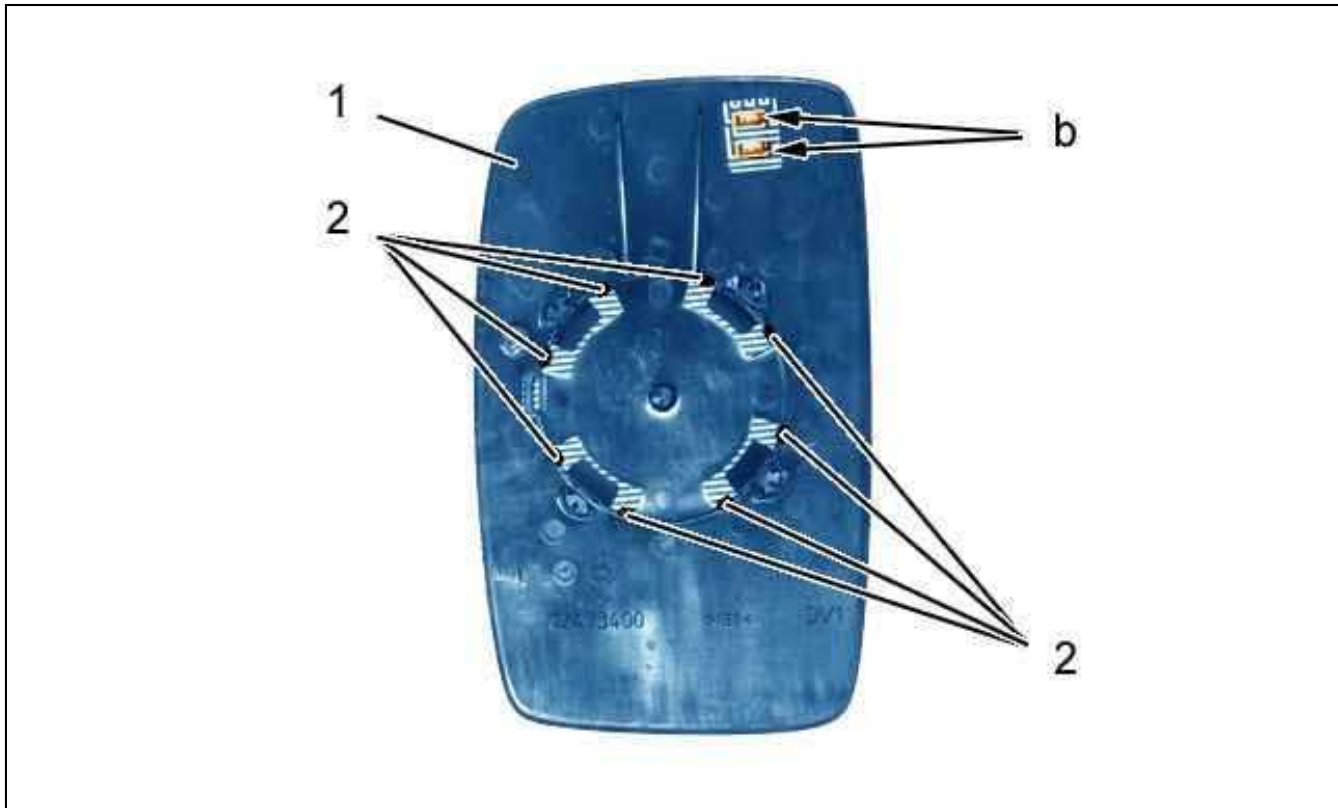


Figure : C5CP0CPD

Pass your hand behind the exterior rear view mirror glass (1) and detach the fixing lugs (2) from the exterior rear view mirror glass.

Disengage the glass from the exterior rear view mirror (1).

Disconnect the connector (at "b") (according to equipment).

Remove the exterior rear view mirror glass (1).

2. Refitting

Proceed in the reverse order to removal.

Check the electrical operation of the exterior rear view mirror (according to equipment).

REMOVING - REFITTING : FRONT DOOR

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

ESSENTIAL : If replacing a hinge, the provisional pin (delivered fitted on the hinge) should be replaced by the definitive pin (supplied along with the hinge).

1. Tooling

Equipment : Door stand (type FACOM).

Tool	Reference	Designation
[1355-B]  Figure : E5AG03VT	[1355-B]	Pin extractor
[1327]  Figure : E5AB1C4T	[1327]	Tool for removing refitting attached seals

2. Removing

Disconnect the ancillaries battery ⓘ .

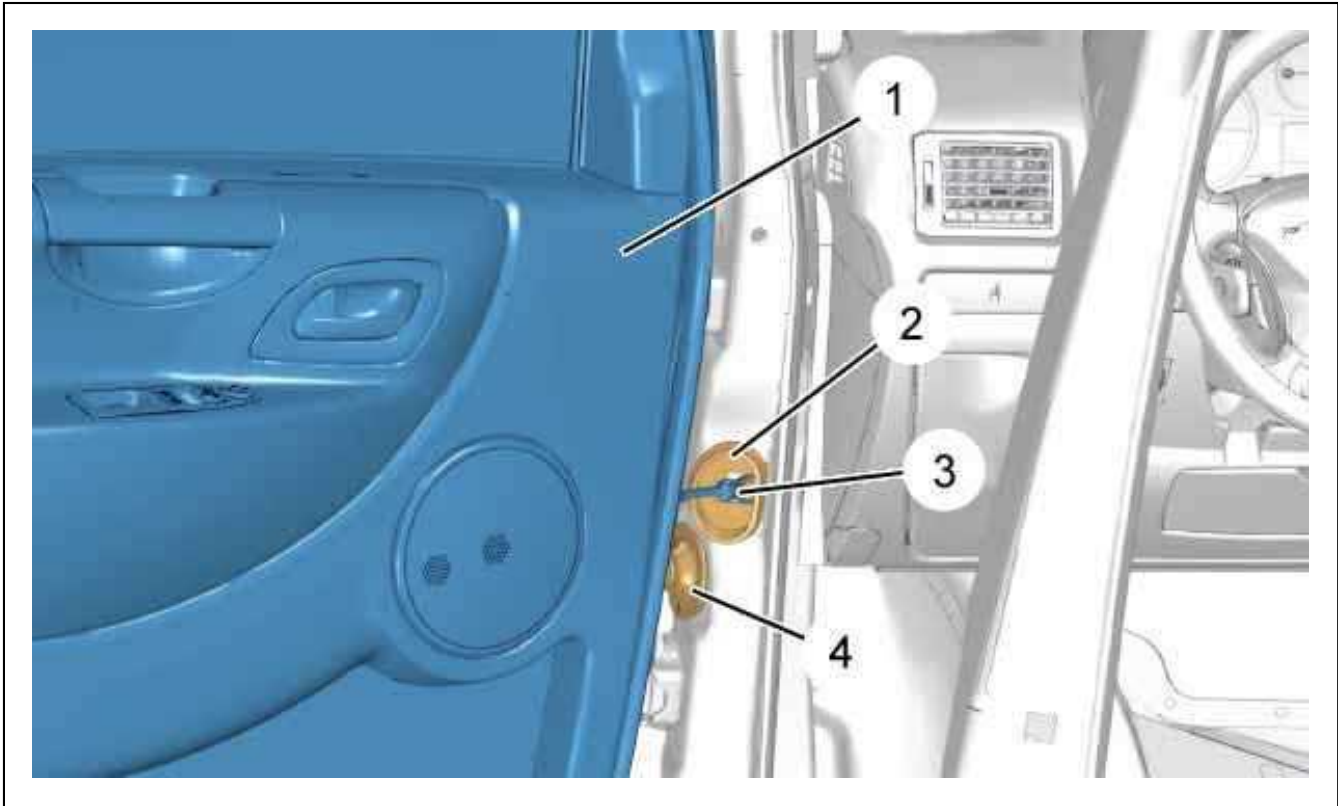


Figure : C4CG0M4D

Open the front door (1).
 Place the front door (1) on the door support.
 Remove the bolt (3).
 Disengage the seals (2), (4).

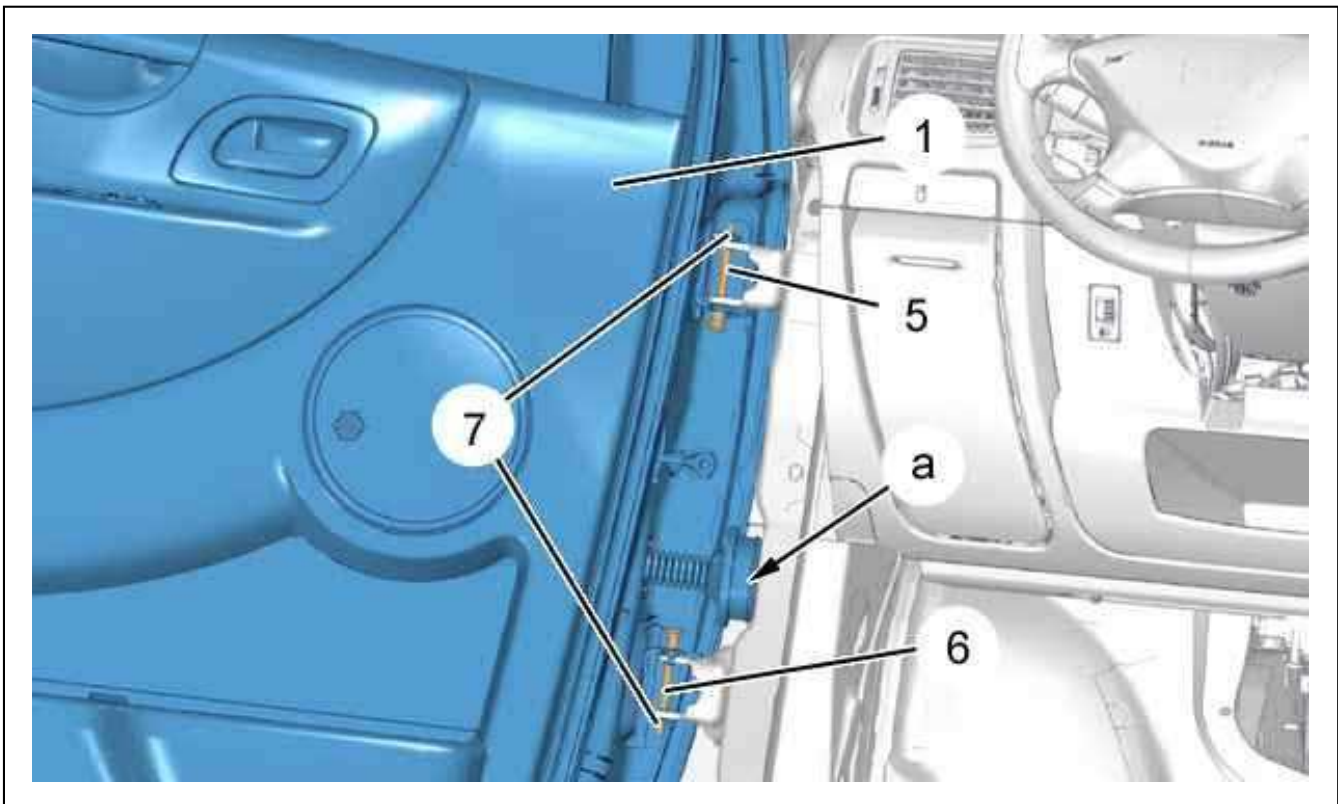


Figure : C4CG0M5D

Remove :

- The clips (7)
- The hinge pins (5), (6) ; Using tool [1355-B]

Disengage the front door (1) ; Using the door support.

Unclip - Disconnect the connectors (at "a") ; Using tool [1327].

Remove the front door (1) ; Using the door support.

3. Adjustment

Remove the front wing .

3.1. Door hinges (body side)

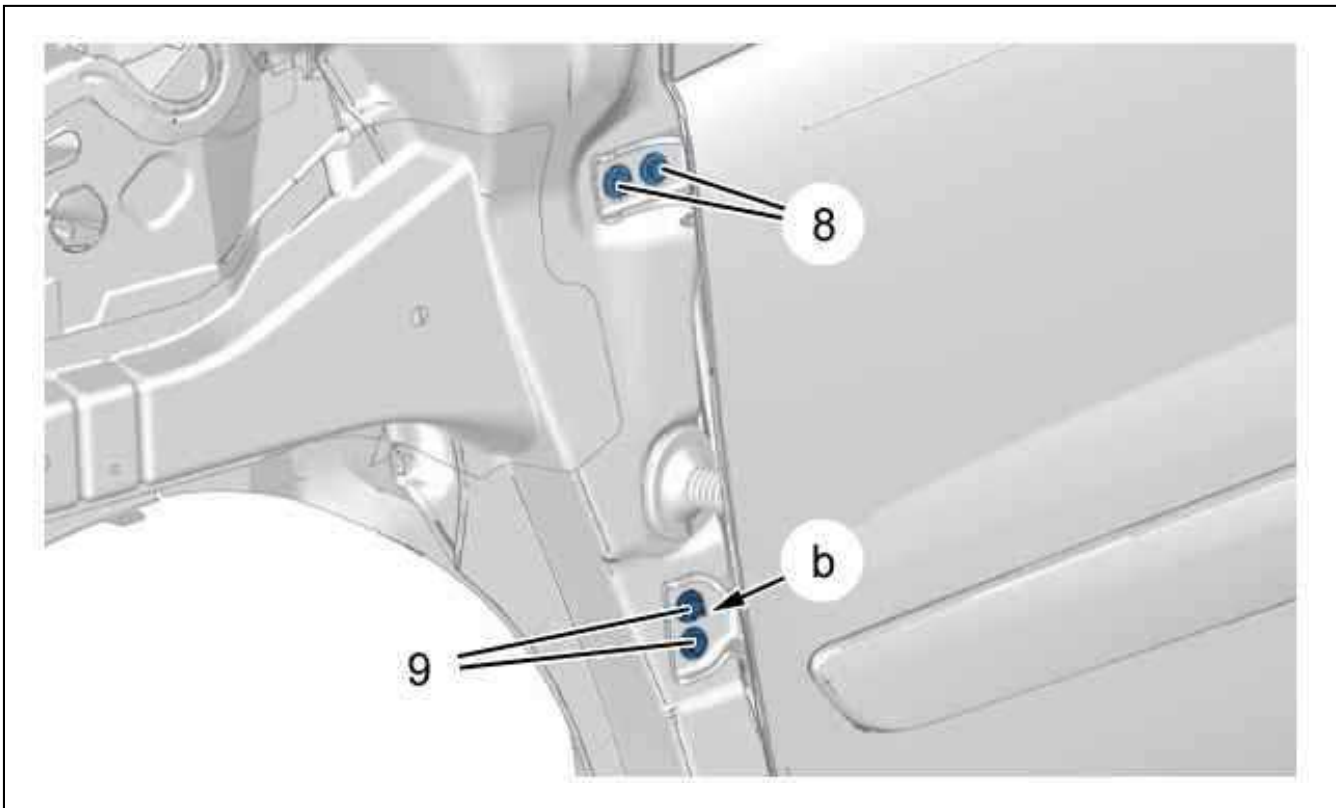


Figure : C4CG0Q7D

N.B. : The door hinges are indexed on the bodywork side. But it is possible to remove the indexing "b" if an additional adjustment is necessary.

Remove the hinges .

CAUTION : Carry out the anticorrosion treatments in the indexing pins zone .

Cut the indexing pins "b" ; Using a hacksaw.

Refit the hinges (without tightening).

The adjustment of the front door clearances is carried out on the fixed hinges retained by the bolts (8), (9).

3.2. Door hinges (Door side)

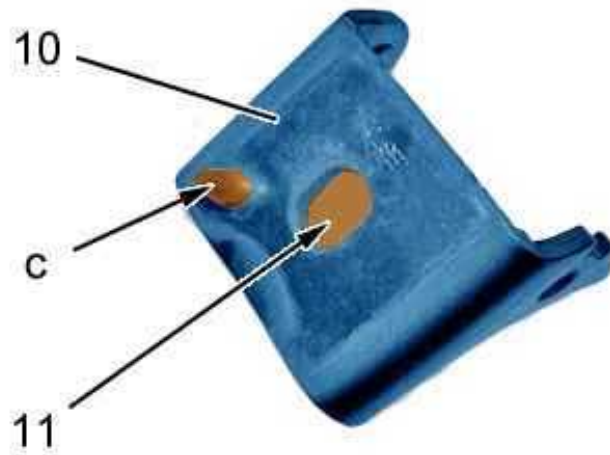


Figure : C4CG0Q8D

N.B. : The door hinges (10) are indexed on the door side. But it is possible to remove the indexing "c" if an additional adjustment is necessary.

Remove :

- The bolts (11)
- The door hinges (10)

Cut the indexing pins "c" ; Using a hacksaw.

CAUTION : Carry out the anticorrosion treatments in the indexing pins zone .

Refit the hinges (10) (without tightening).

3.3. Front door striker plate

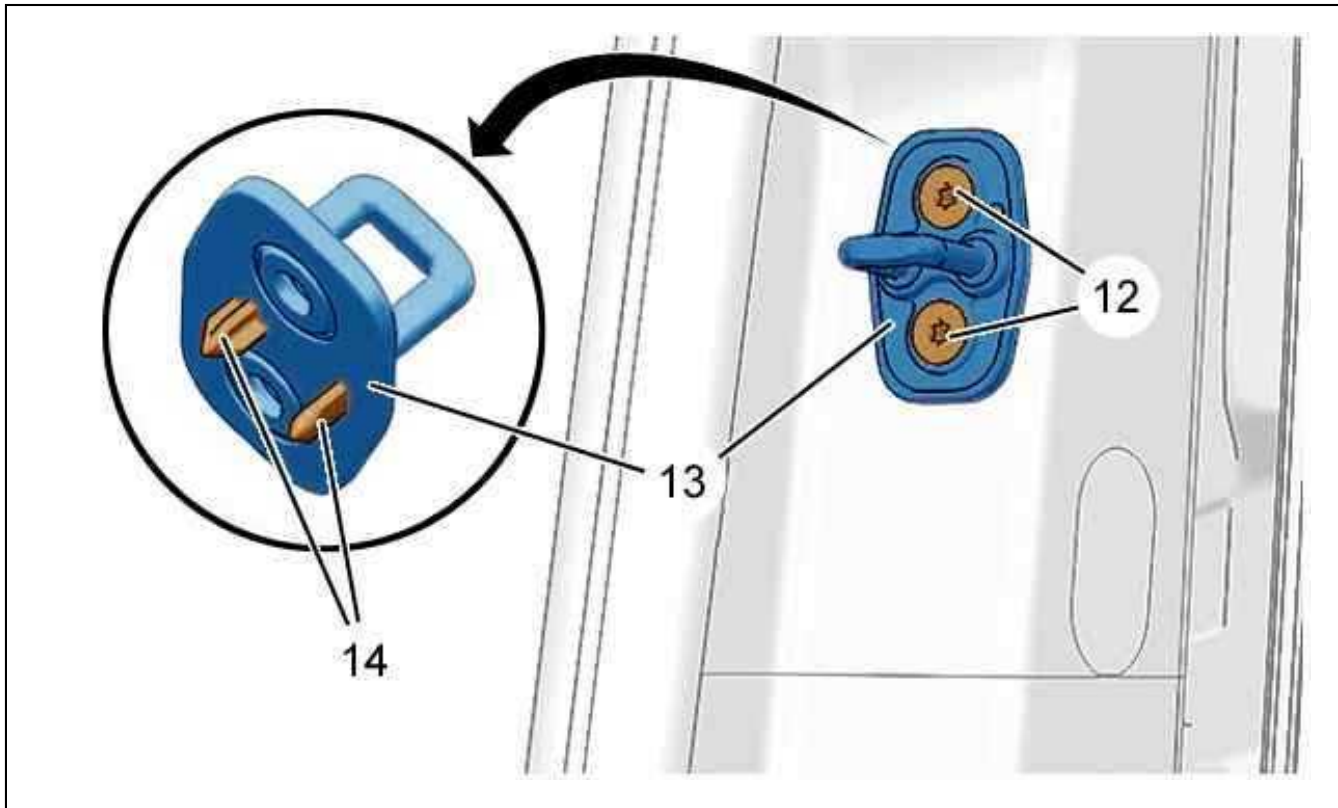


Figure : C4CG0Q9D

Remove the bolts (12).

Remove the striker (13) (Front door).

Grind the indexing points (14).

Refit :

- The striker plate (13) of the front door
- The screws (12), without tightening them

3.4. Adjustment

Refit :

- The front door (1) ; Using the door support
- The shafts (5), (6)
- The clips (7)
- The screw (3) of the door strap

Connect the connectors (at "a").

Check the fits and clearances ⓘ ; Using the bolts (8), (9), (11), (12).

Offer up the bolts (8), (9), (11), (12) until there is contact, without tightening them.

Disconnect the connectors (at "a").

Remove :

- The shafts (5), (6)
- The clips (7)
- The screw (3) of the door strap

Disengage the front door (1) (Take care not to come into contact with the front wing).

Tighten :

- The bolts (8) to 3 daNm
- The bolts (9) to 3 daNm
- The bolts (11) to 3 daNm

- The bolts (12) to 2 daNm

4. Refitting

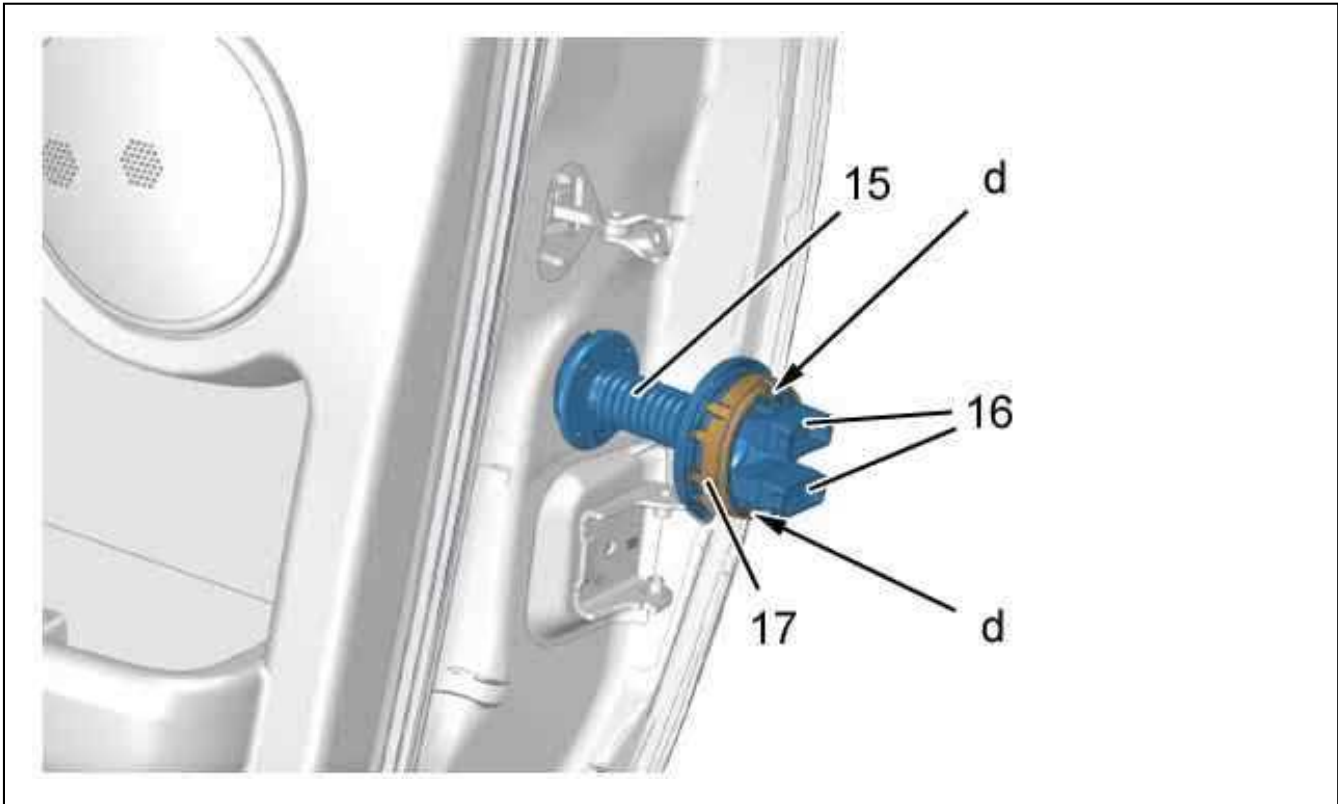


Figure : C4CG0QAD

Position the plastic ring (17) on the seal (15).

N.B. : Be prepared to replace the plastic ring if it is broken on removal.

Clip and connect the connectors (16) (at "d").

Refit :

- The front door (1) ; Using the door support
- The shafts (5), (6)
- The clips (7)
- The screw (3) of the door strap

Connect the connectors (at "a").

Tighten the bolt (3) to 3 daN.m.

Reconnect the ancillaries battery.

Check all the equipment works.

REPLACEMENT : PARTIAL FRONT DOOR EXTERIOR PANEL

CAUTION : All of the stripped surfaces must be protected by means of the approved electrolytic rezing process .

ESSENTIAL : Observe the elementary rules of hygiene and safety (wear a face mask to protect against fumes and vapour - work in a well ventilated space).

1. Additional operations

Remove -refit the front door.

Partial stripping-assembling of the front door .

2. Identification of replacement parts

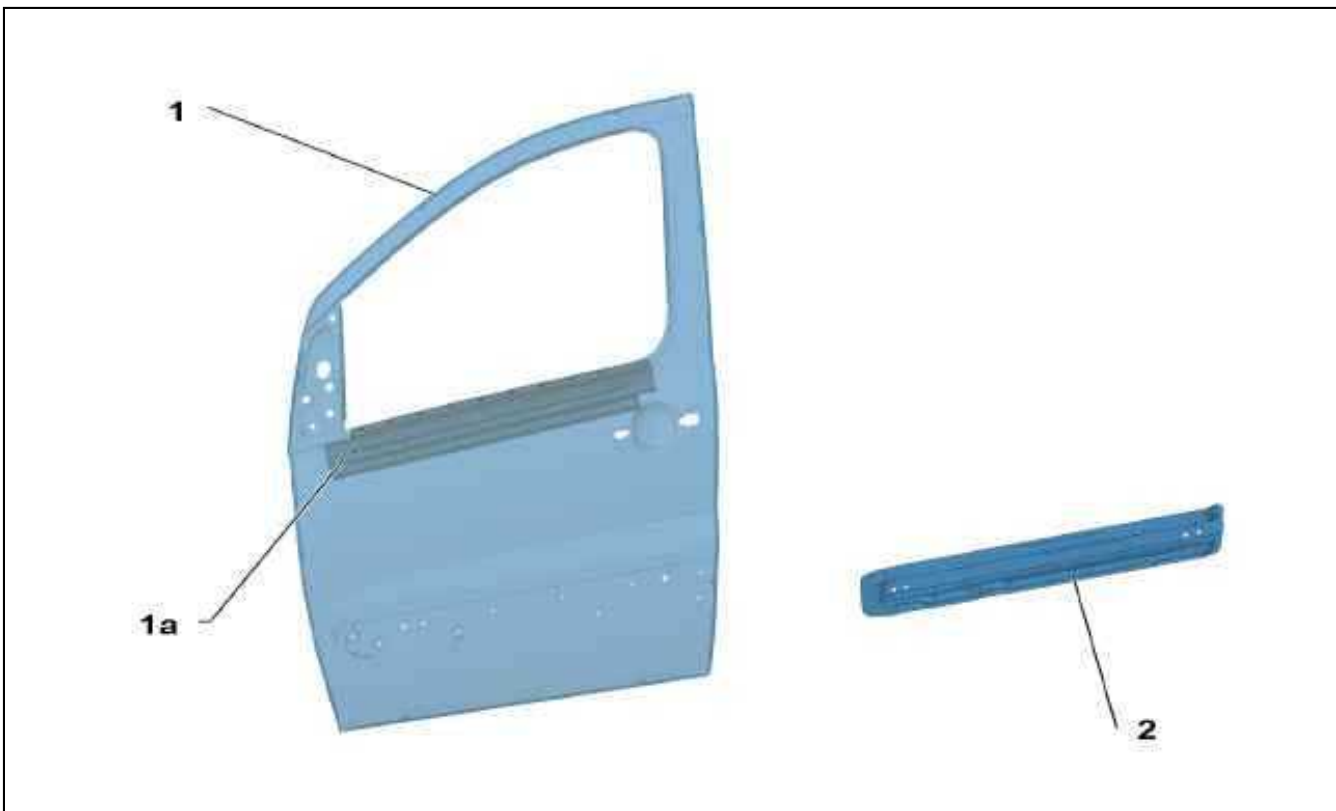


Figure : C4CP2H2D

Reference	Designation	Thickness (mm)	Type / Classification
(1)	Front door panel assembled	0,77	HLE*
(1a)	Front door horizontal stiffener	0,77	ADX*
(2)	Front door side impact strengthener	0,67	ADX*
(*) HLE : high-strength steel - ADX : soft steel			

3. Replacement part preparation

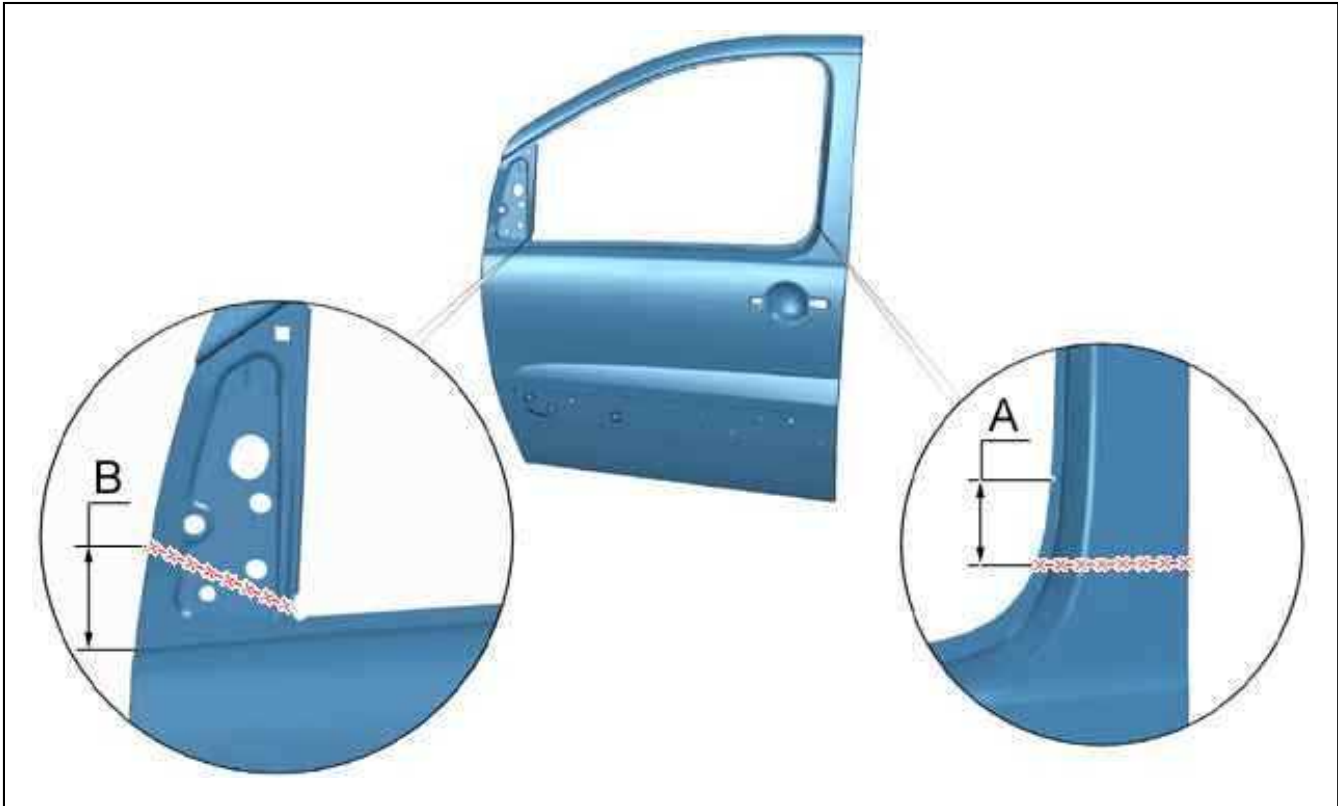


Figure : C4CP2H3D

Mark the cut of the front door exterior panel assembly (Final cut).

"A" = 46 mm .

"B" = 76 mm .

Prepare the mating edges and protect them using a weldable primer .

4. Cutting out

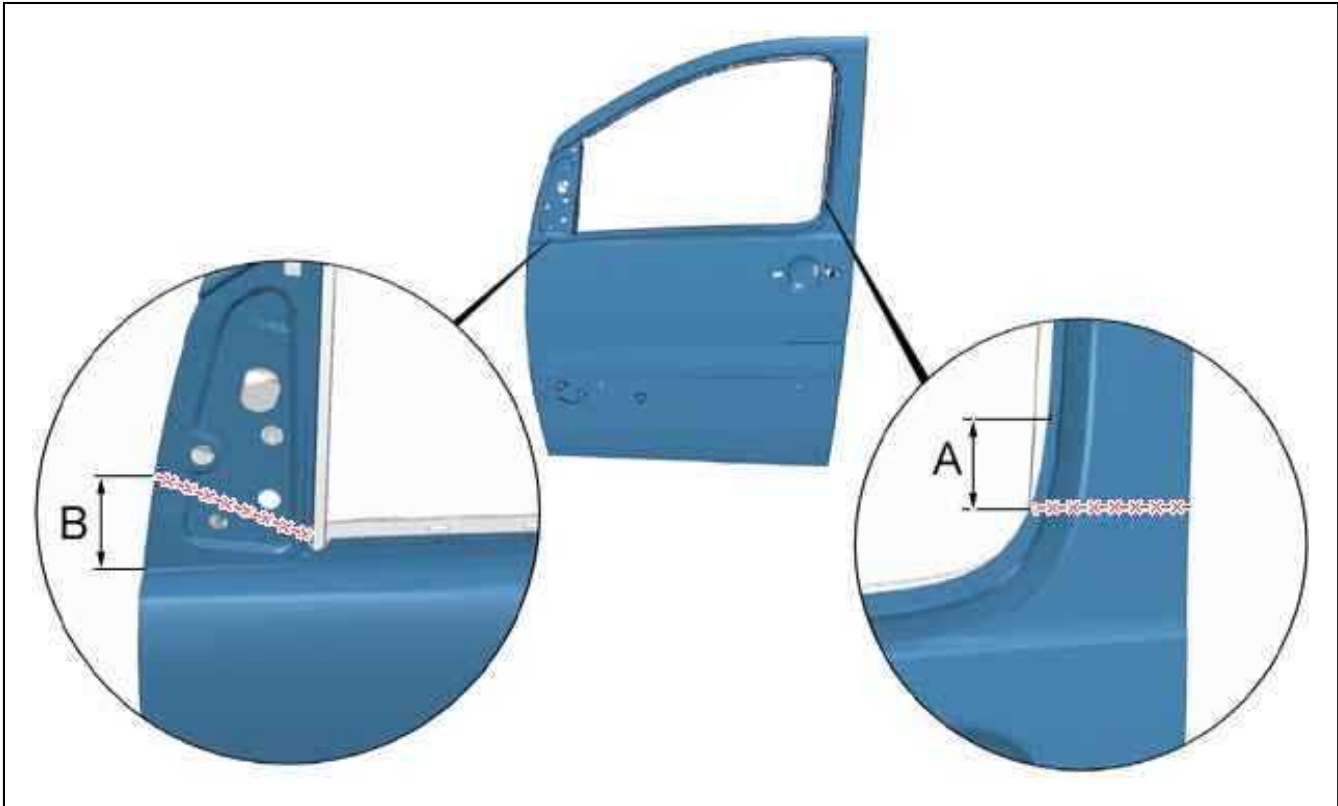


Figure : C4CP2H4D

Cut the front door exterior panel assembly ; Using a saw.

"A" = 46 mm .

"B" = 76 mm .

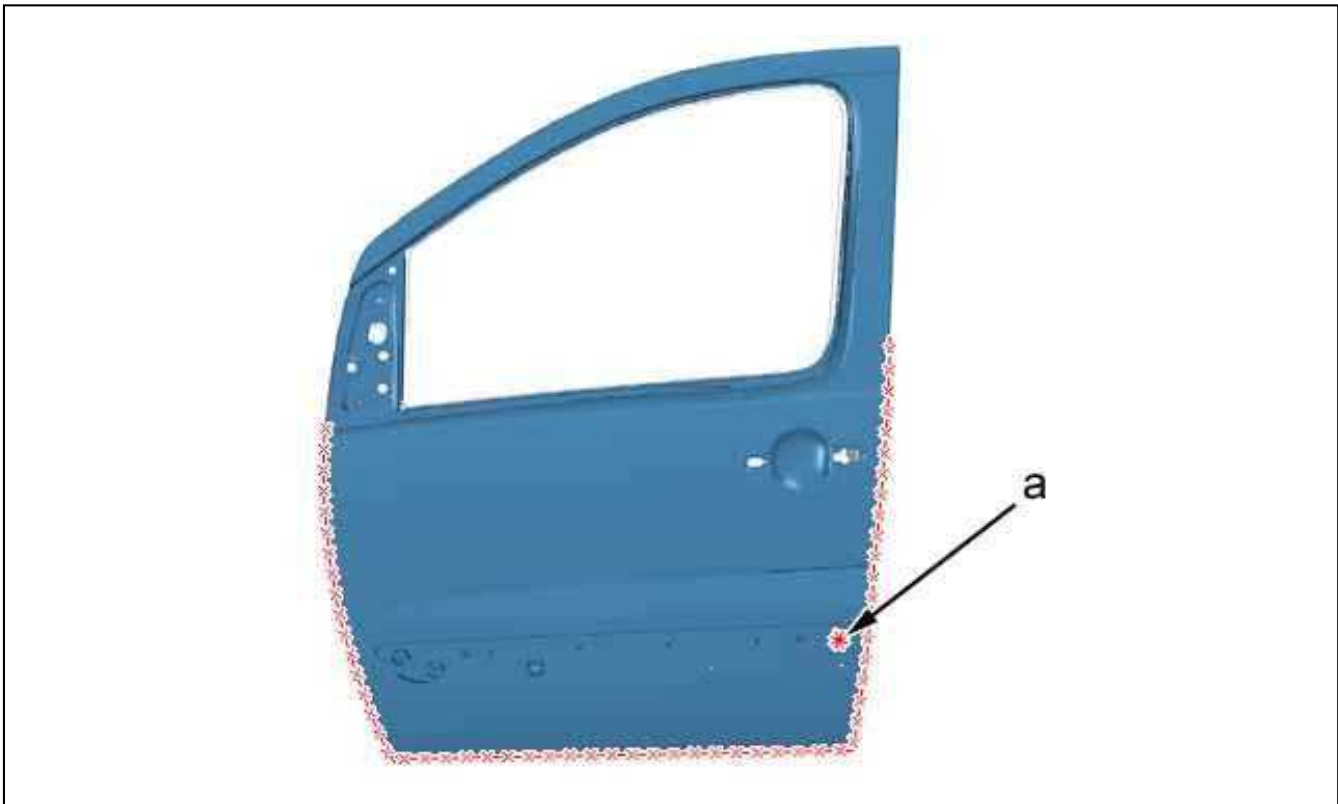


Figure : C4CP2H5D

Cut :

- The spotwelds (as "a")
- The partial front door panel assembly

Detach the partial front door panel assembly .

Remove the partial front door panel .

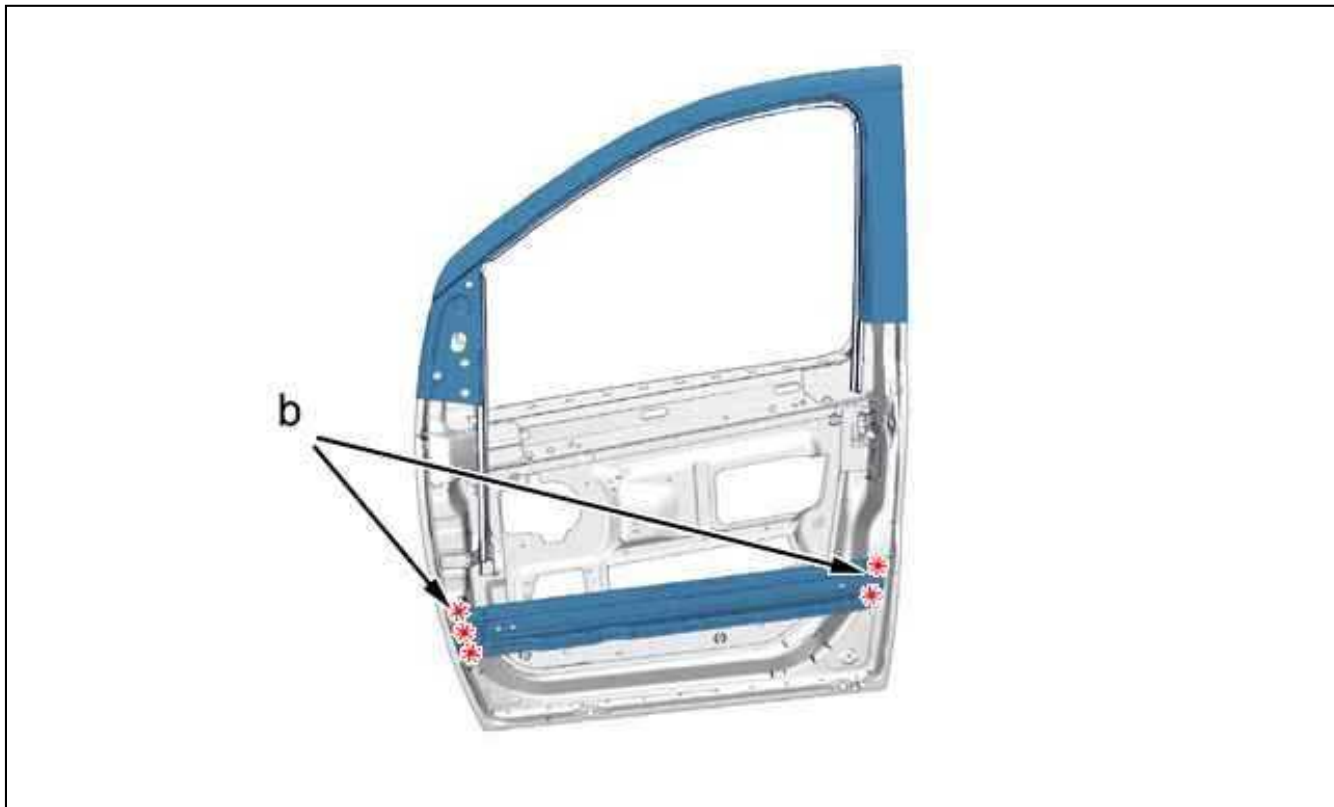


Figure : C4CP2H6D

Cut out the spot welds (as "b").

Remove the front door side impact strengthener .

5. Bodywork cleaning and preparation

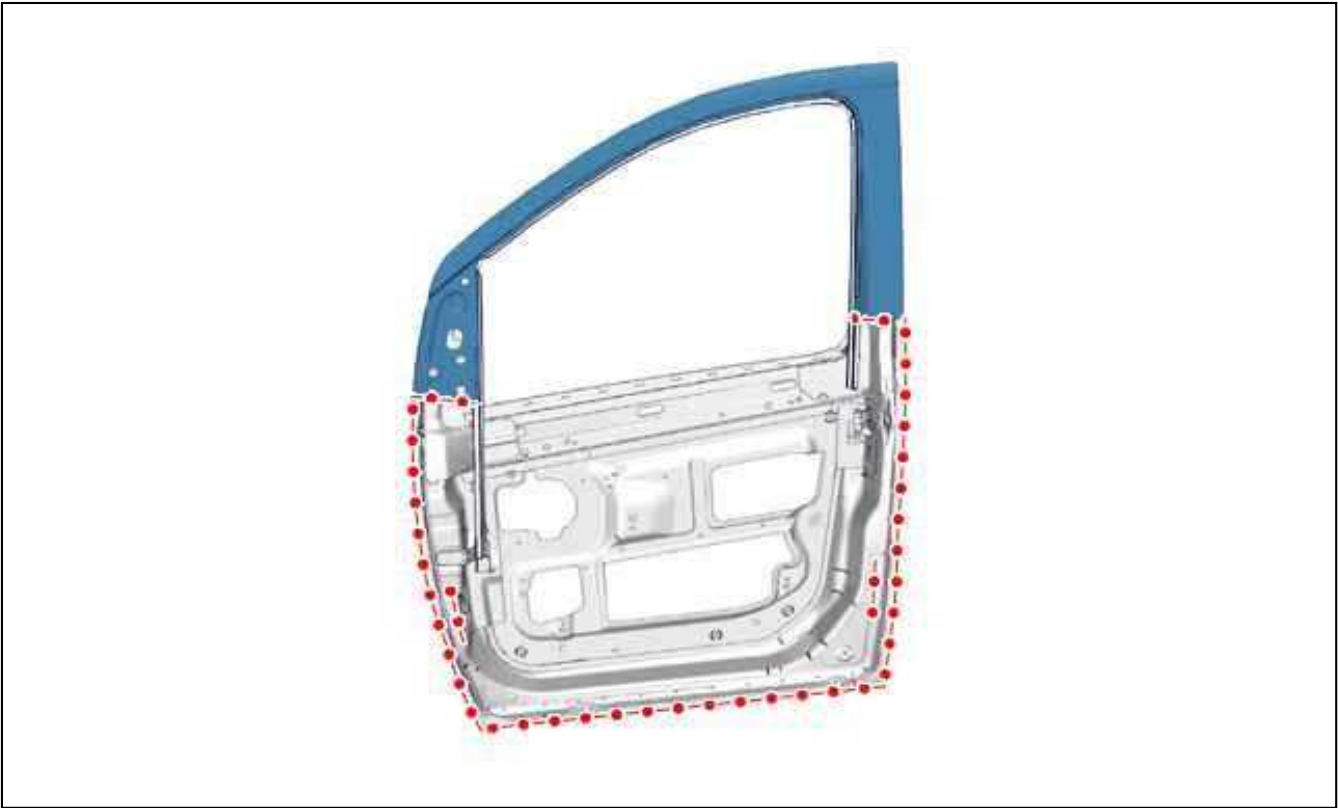


Figure : C4CP2H7D

Align the mating edges and protect them with a weldable primer.

6. Adjustment

Fit :

- The front door side impact strengthener
- The partial front door panel

Check the fit.

7. Welding

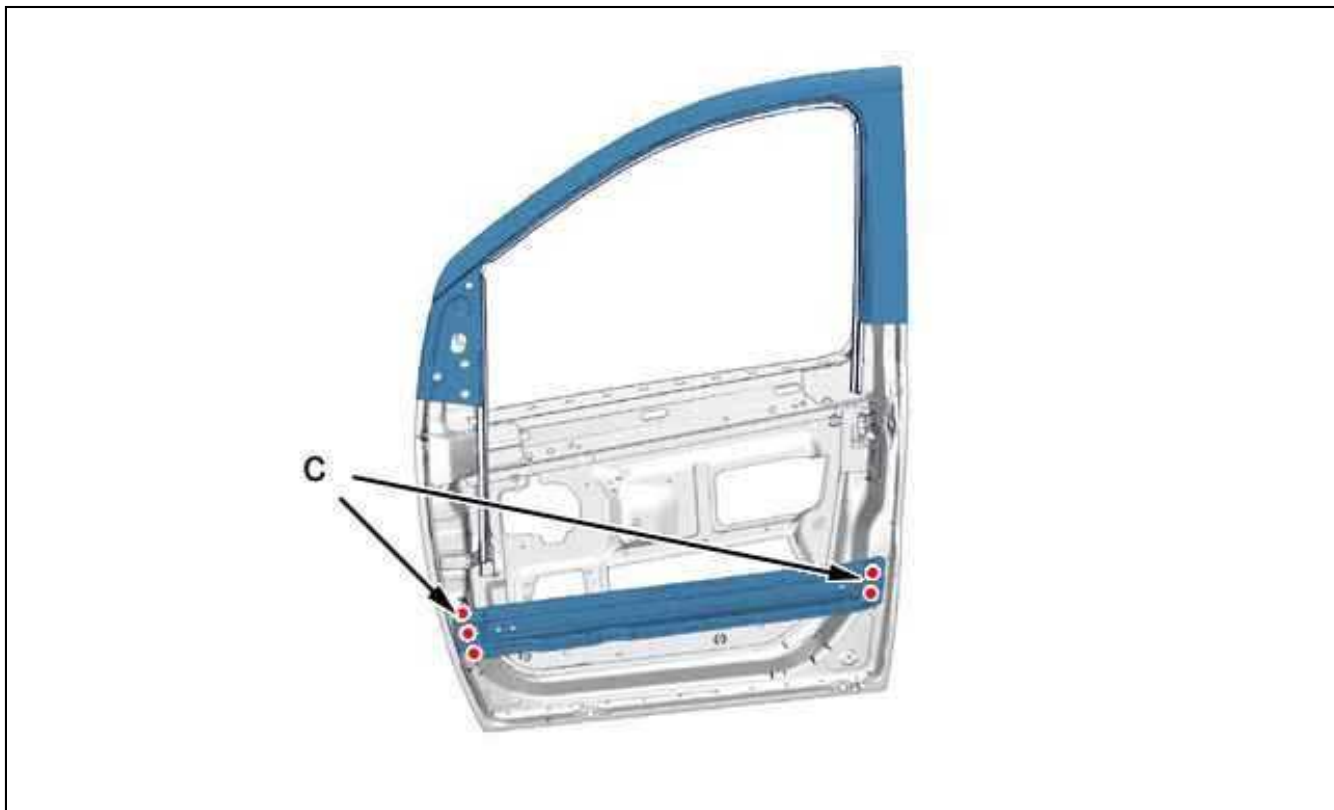


Figure : C4CP2H8D

Fit the front door side impact strengthener .
Weld with electric spot welds (as "c").

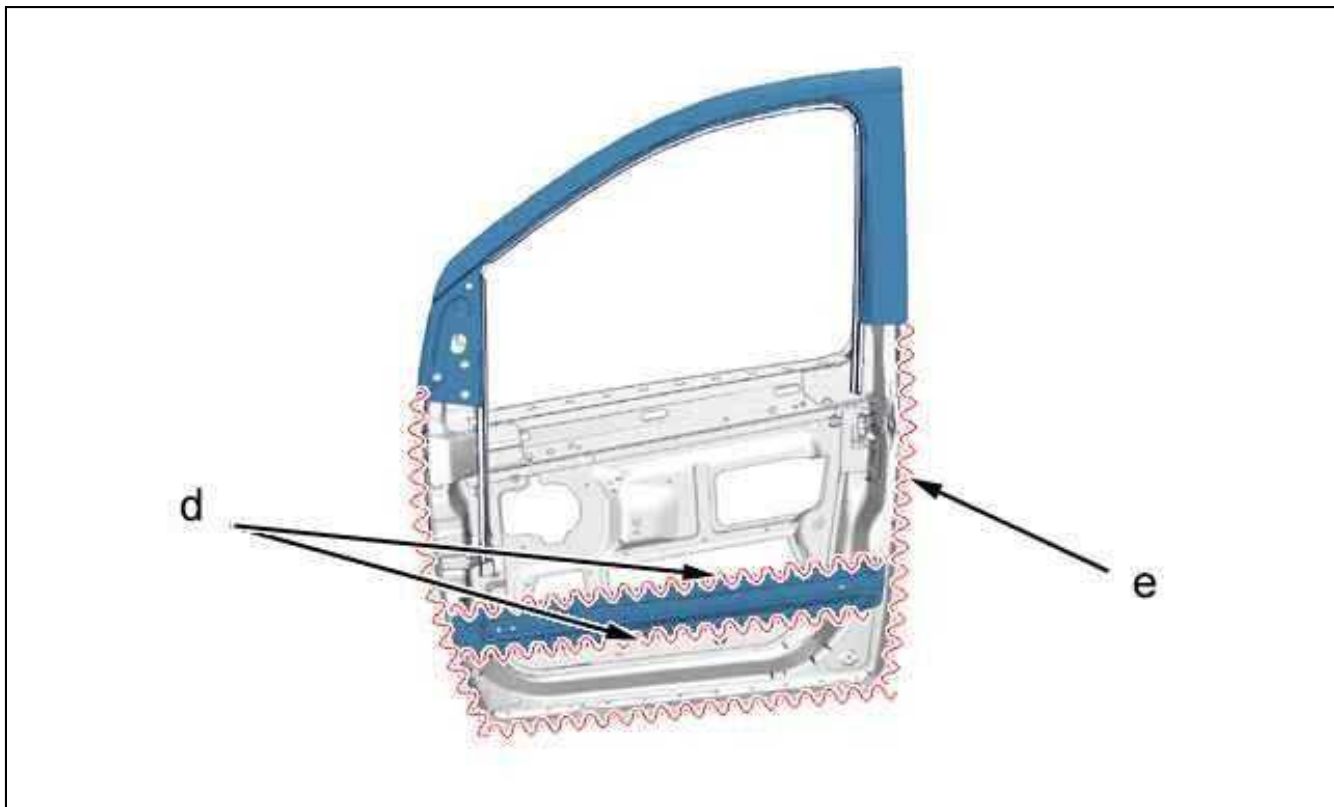


Figure : C4CP2H9D

Apply :

- An index "A2" filling adhesive to the side impact strengthener (as "d")
- An index "B8 " structural adhesive to the edge of the front door (as "e")

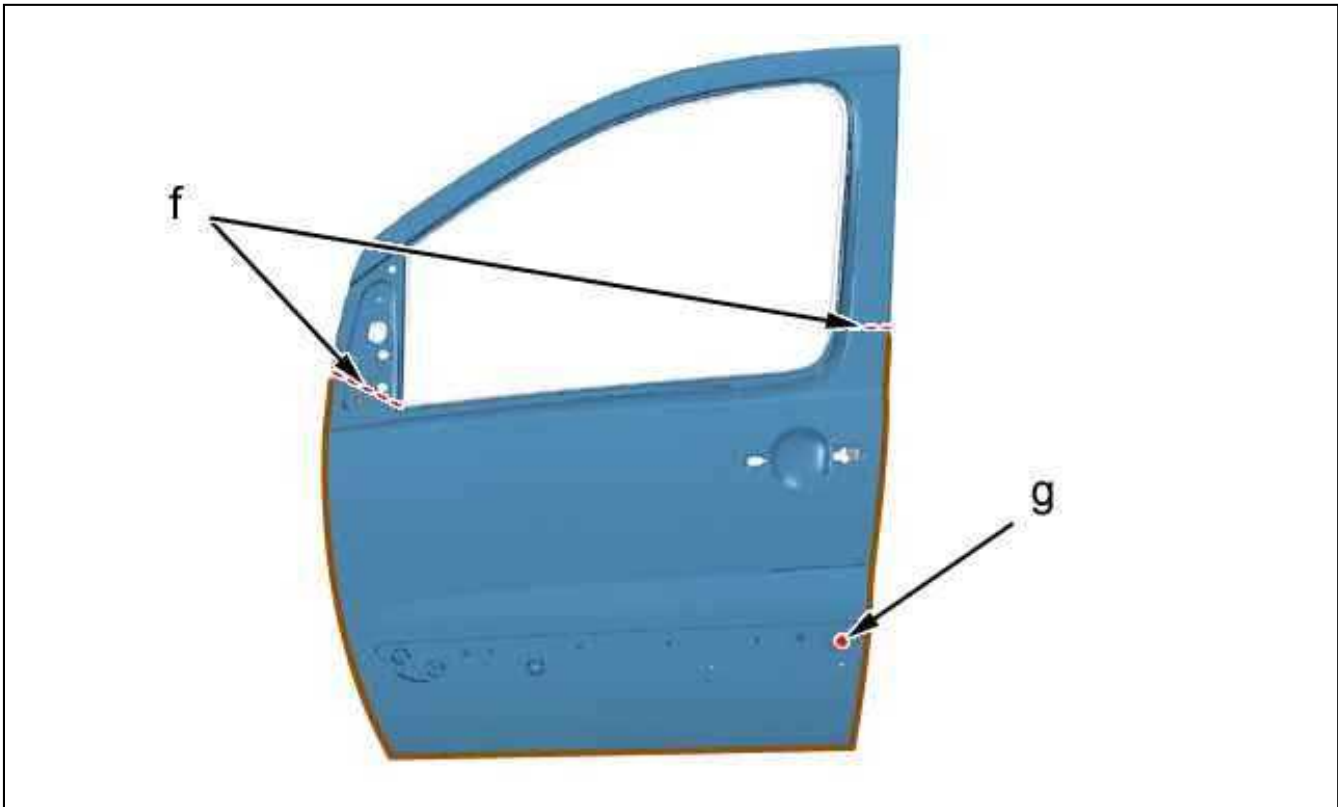


Figure : C4CP2HAD

Fit the partial front door panel assembly .
Crimp the partial front door panel assembly .
Weld with electric spot welds (as "g").
Weld by MAG bead (as "f").
Grind the welds.

8. Sealing protection



Figure : C4CP2HBD

Apply a finish putty (index "A1").

Paint then spray in the hollow sections of the product index C5.

9. Reinitialisation

Carry out the additional operations.

STRIPPING-ASSEMBLING : FRONT DOOR

1. Recommended tools

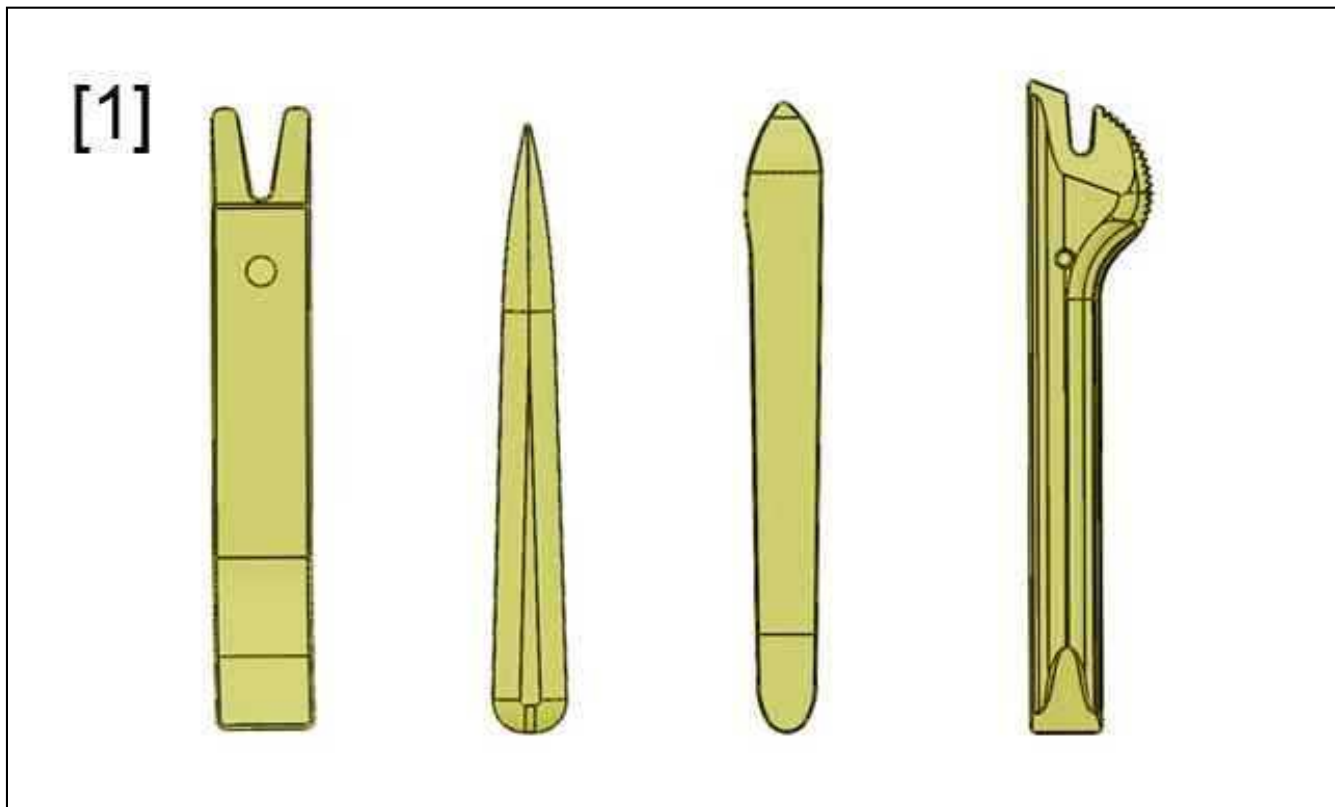


Figure : E5AP30WD

[1] Stripping tool (-).1350-ZZ.

2. Preliminary operations

Perform the following operations :

- Remove the ignition key
- Wait at least 3 minutes before disconnecting the battery
- Disconnect the battery negative terminal

3. Stripping

Open the door.

3.1. Electric window switch assembly

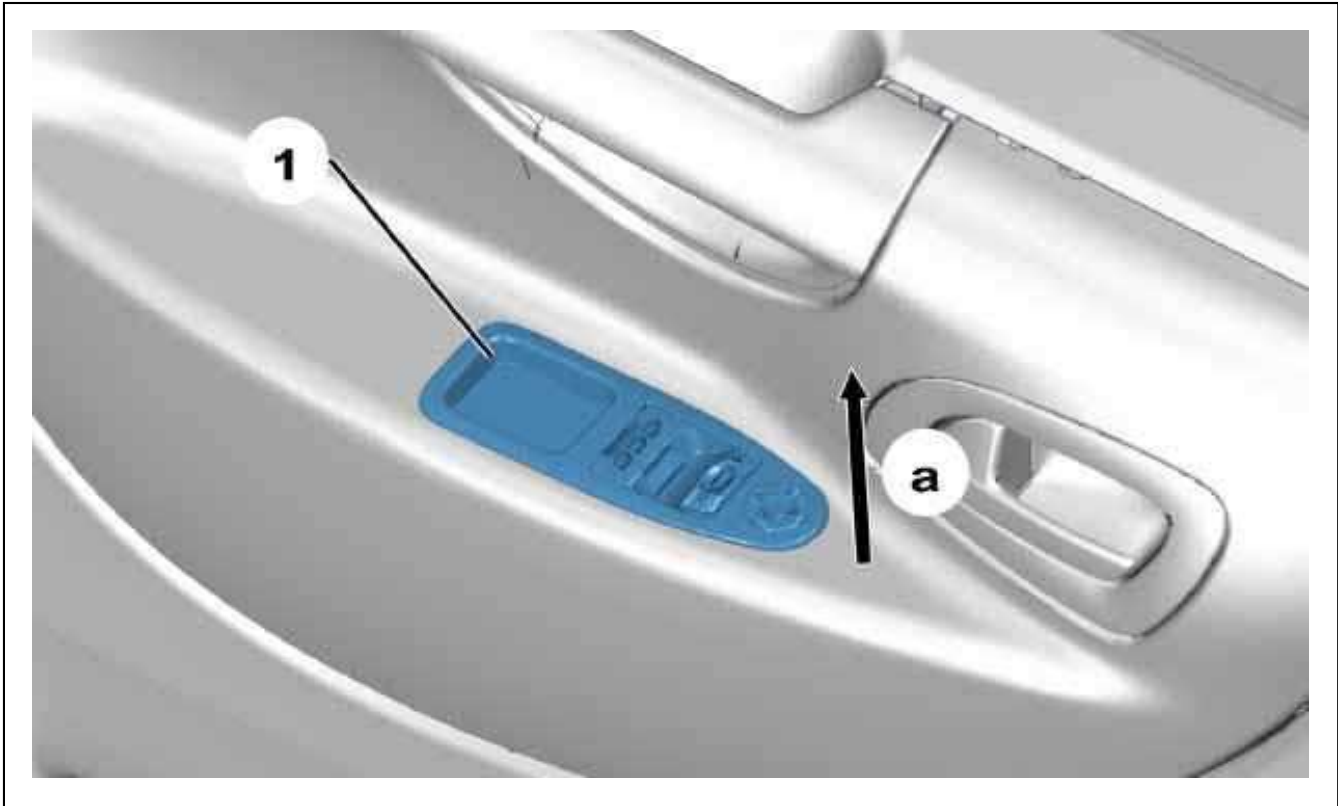


Figure : C4CP2G6D

Unclip the electric window control (1) (following "a") ; Using tool [1].
Partially detach the electric window control (1).

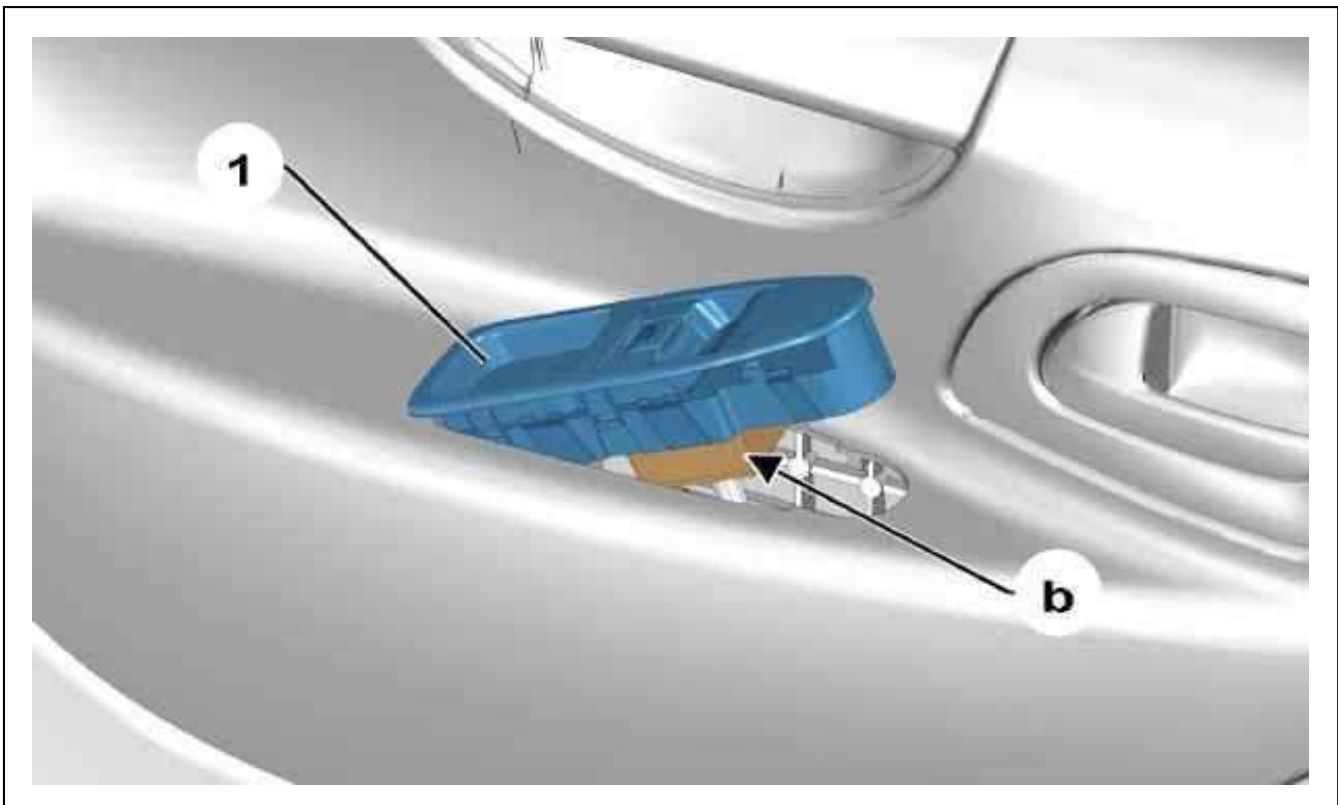


Figure : C4CP2G7D

Disconnect the connector (at "b").

Remove the electric window control (1).

3.2. Door trim pad

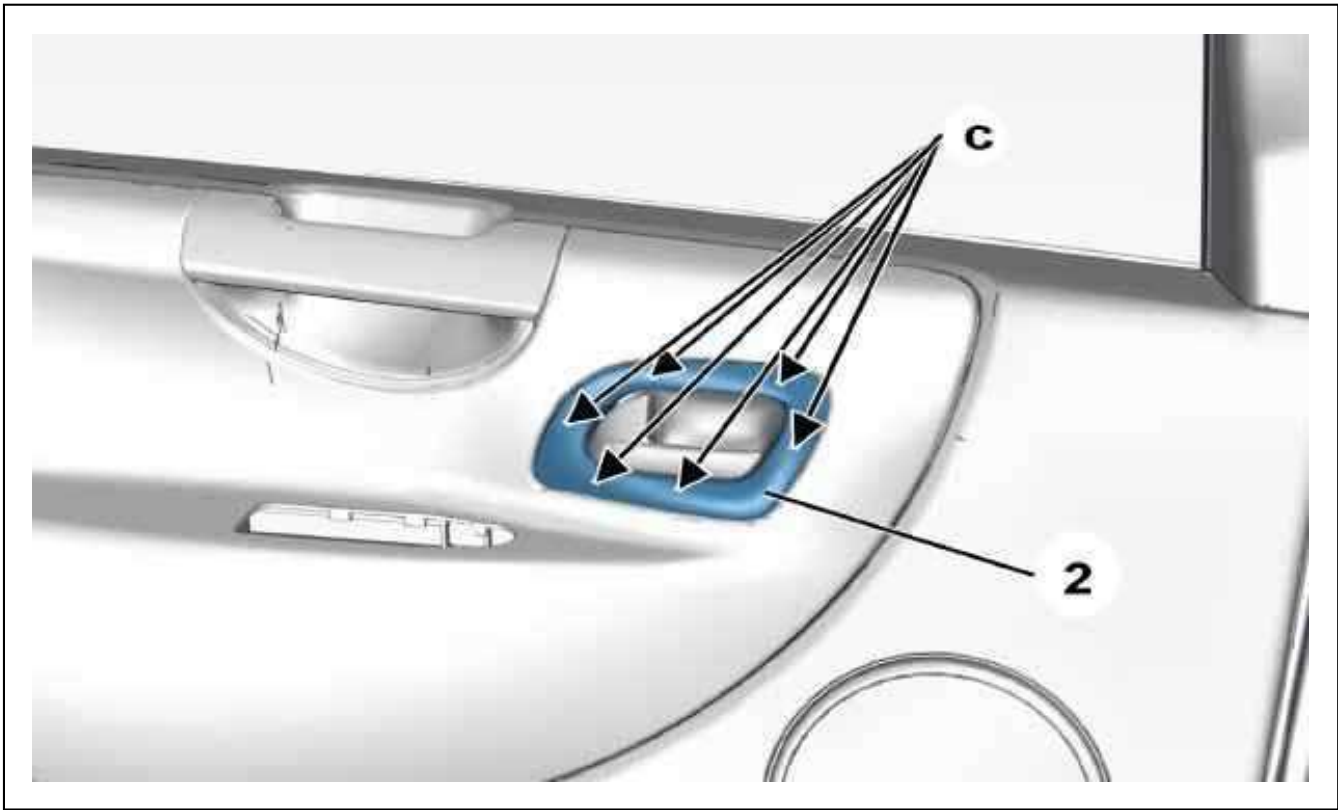


Figure : C4CP2G8D

Unclip the handle trim (2) (at "c") ; Using tool [1].
Remove the handle trim (2).

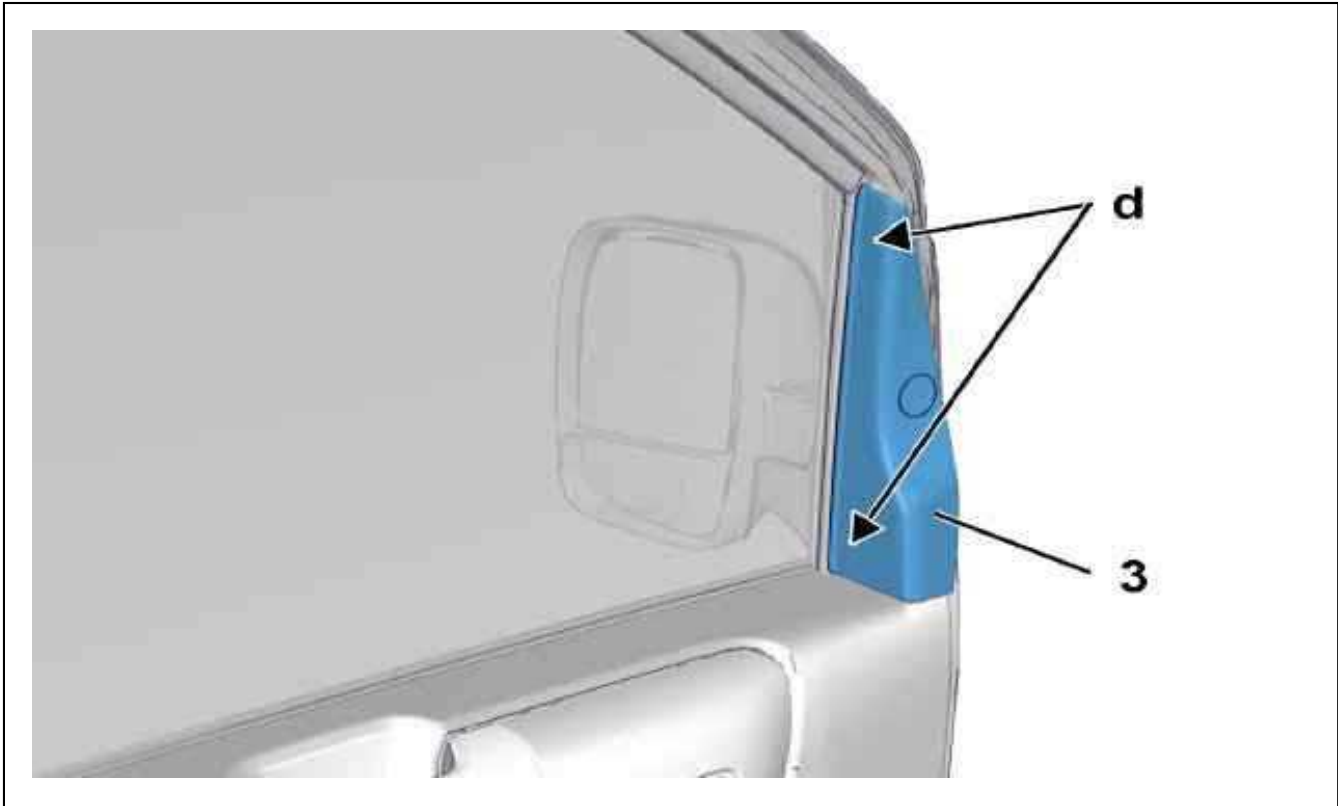


Figure : C4CP2G9D

Unclip the interior window corner (3) (at "d").
Remove the interior window corner (3).

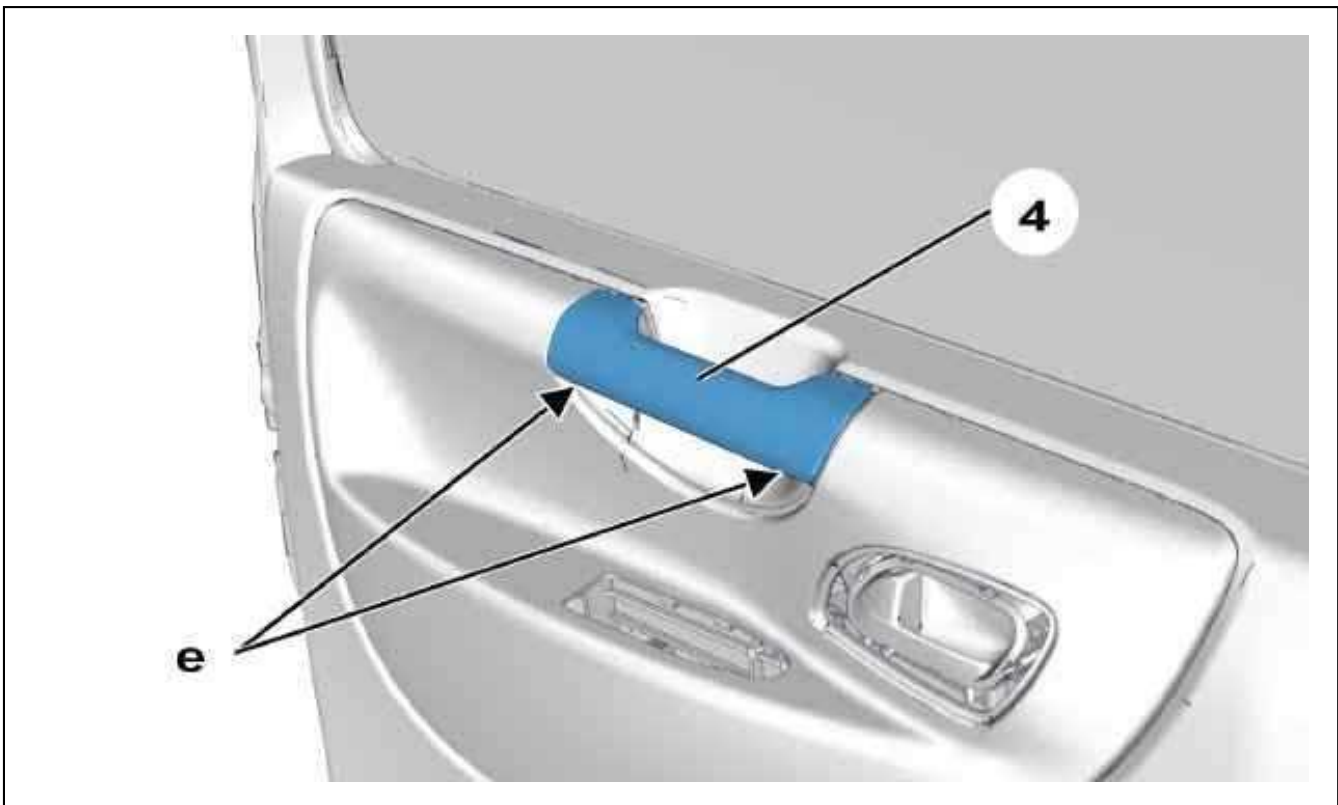


Figure : C4CP2GAD

Unclip the door trim pad upper handle trim (4) (at "e") ; Using tool [1].

Figure : C4CP2GBD



Remove the bolts (7).

Unclip the door trim pad (6) (at "f").

Remove the door trim pad (6).

N.B. : Prepare for the replacement of the clips (if necessary).

3.3. Exterior mirror

Remove the exterior rear view mirror .

3.4. Interior opening control

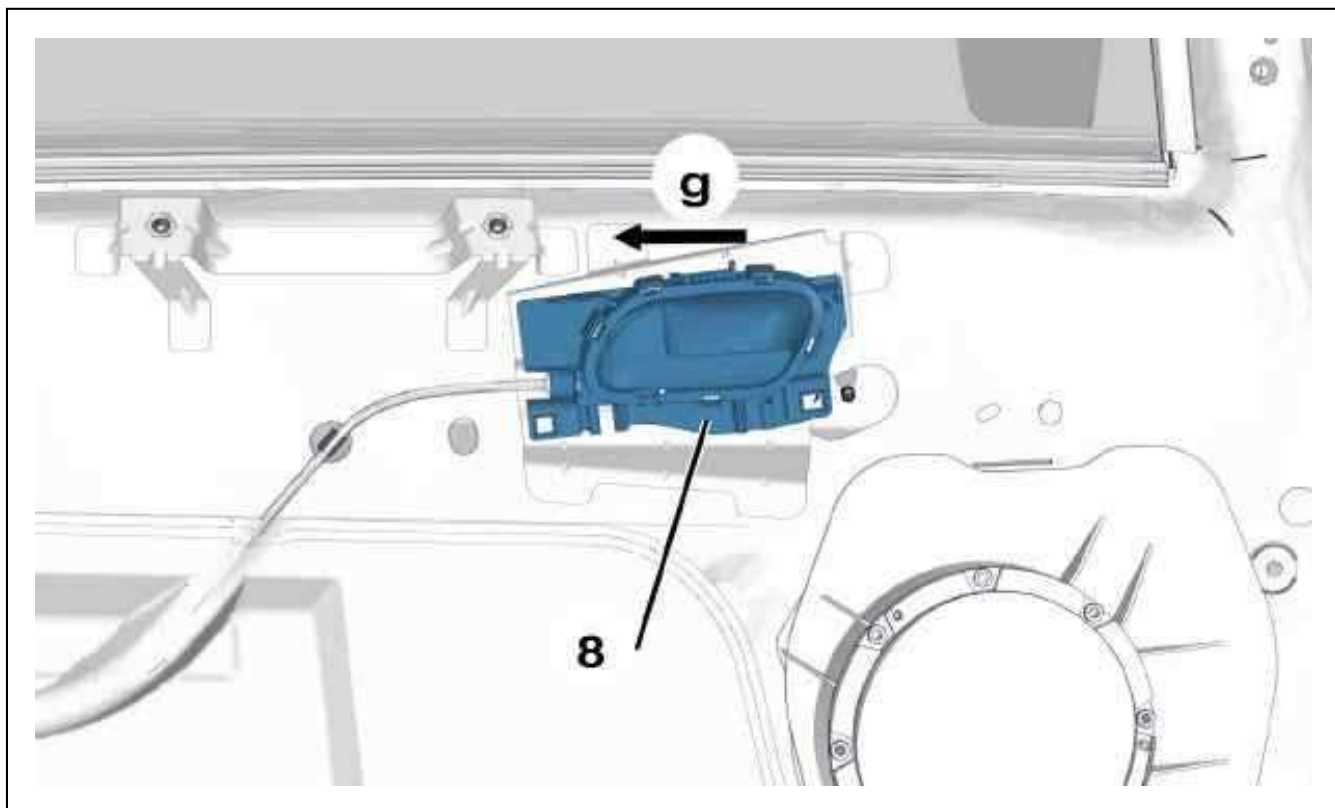


Figure : C4CP2GDD

Partially detach the interior control handle (8) (following "g").

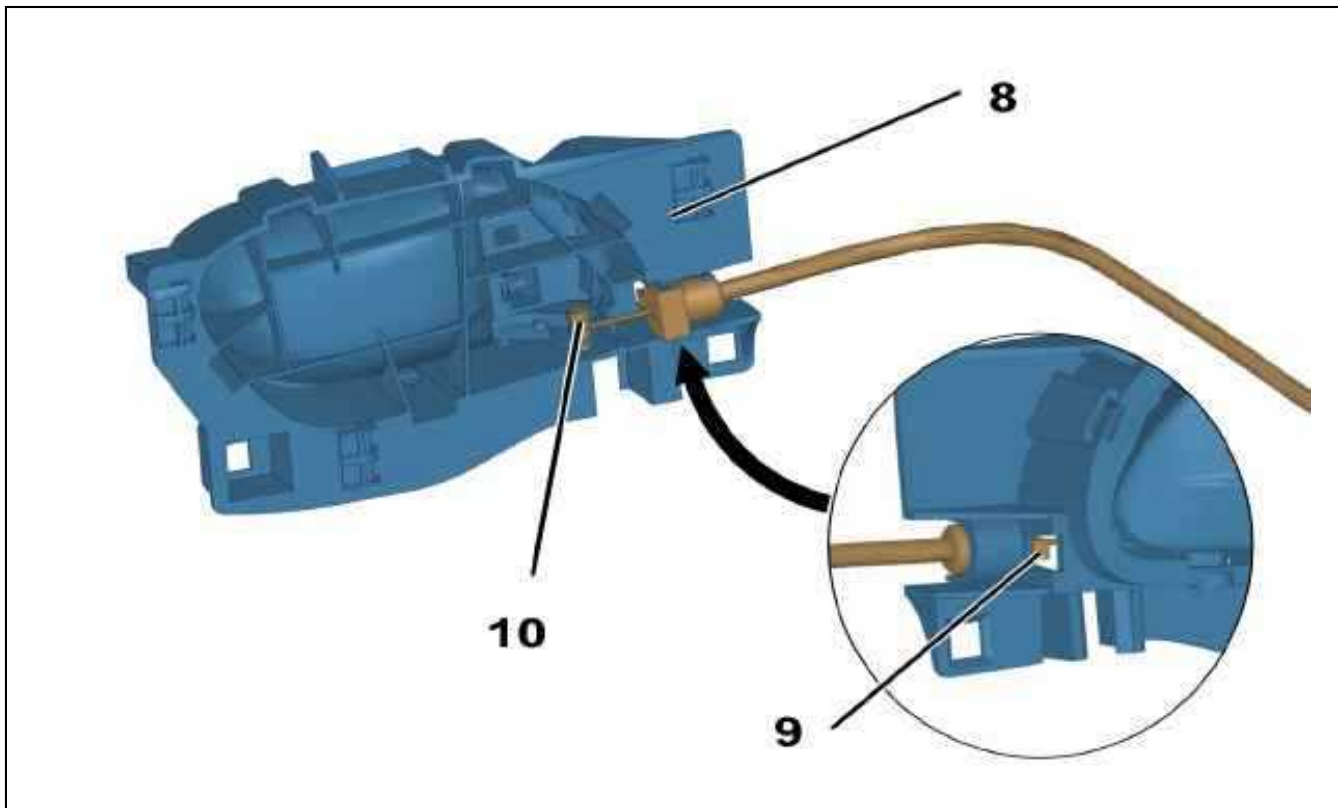


Figure : C4CP2GED

Detach the sheath stop (9).

Disengage the end of the control cable (10).

Remove the interior control handle (8).

3.5. Speaker

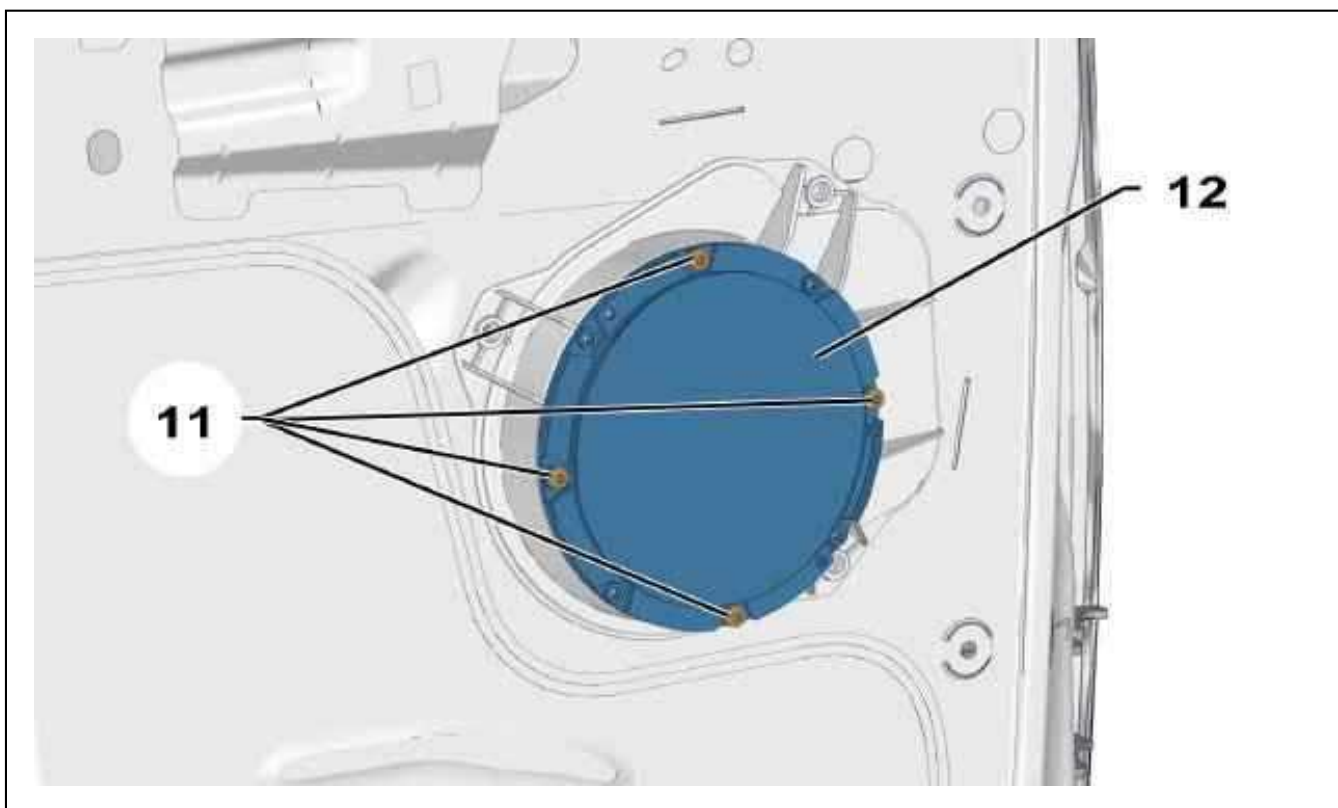


Figure : C4CP2GFD

Remove the bolts (11).
 Detach the speaker (12) towards you.
 Disconnect the speaker (12) connector.
 Remove the speaker (12).

3.6. Support and speaker assembly

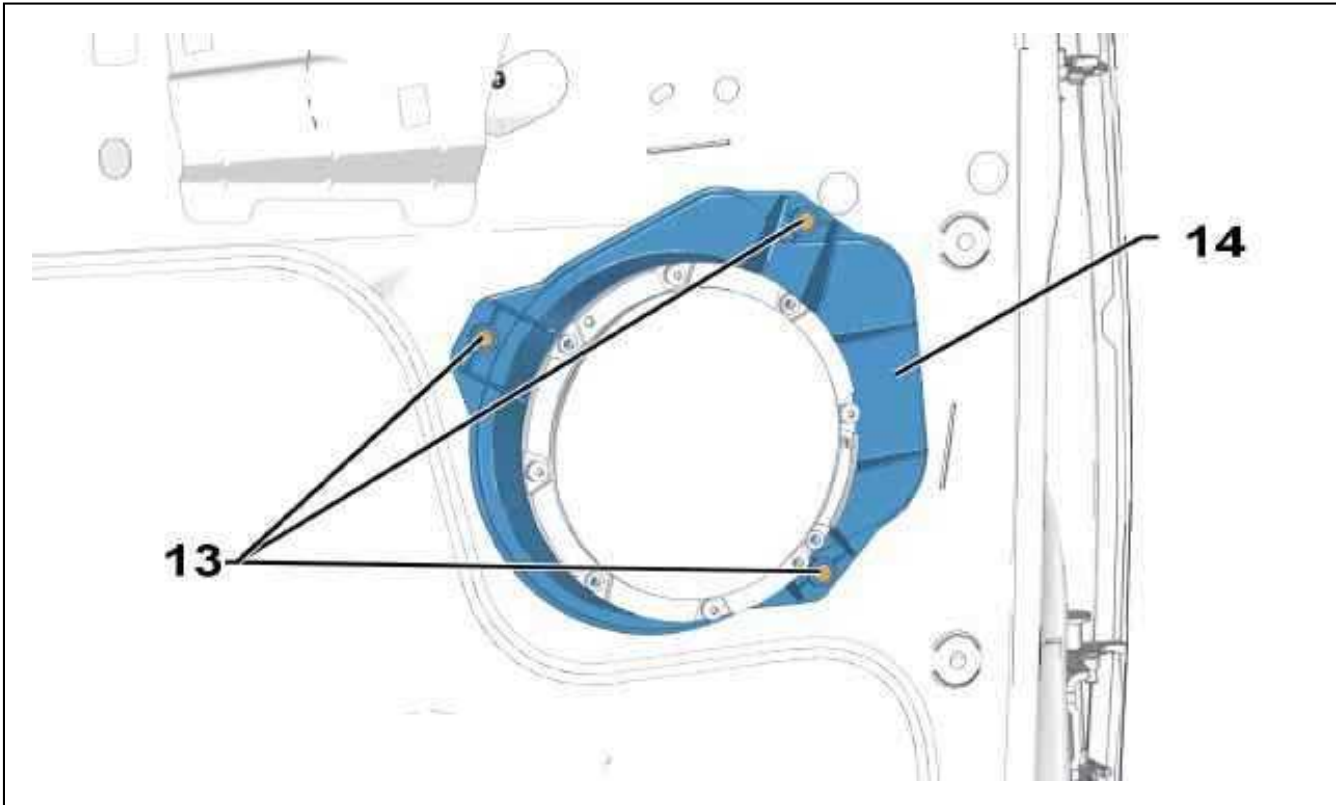


Figure : C4CP2GGD

Drift out the rivet studs before drilling out.
 Drill the rivet heads (13) with a 6 mm dia. drill.
 Detach the support and speaker assembly (14).
 Disconnect the speaker connector.
 Remove the speaker and support (14) assembly.
 Drill the bodies of the remaining rivets.

N.B. : Vacuum out the bottom of the door to extract the rivet waste.

3.7. Front window mechanism

Remove the front window mechanism .

3.8. Front side door window

Remove the front side door window .

3.9. Door lock

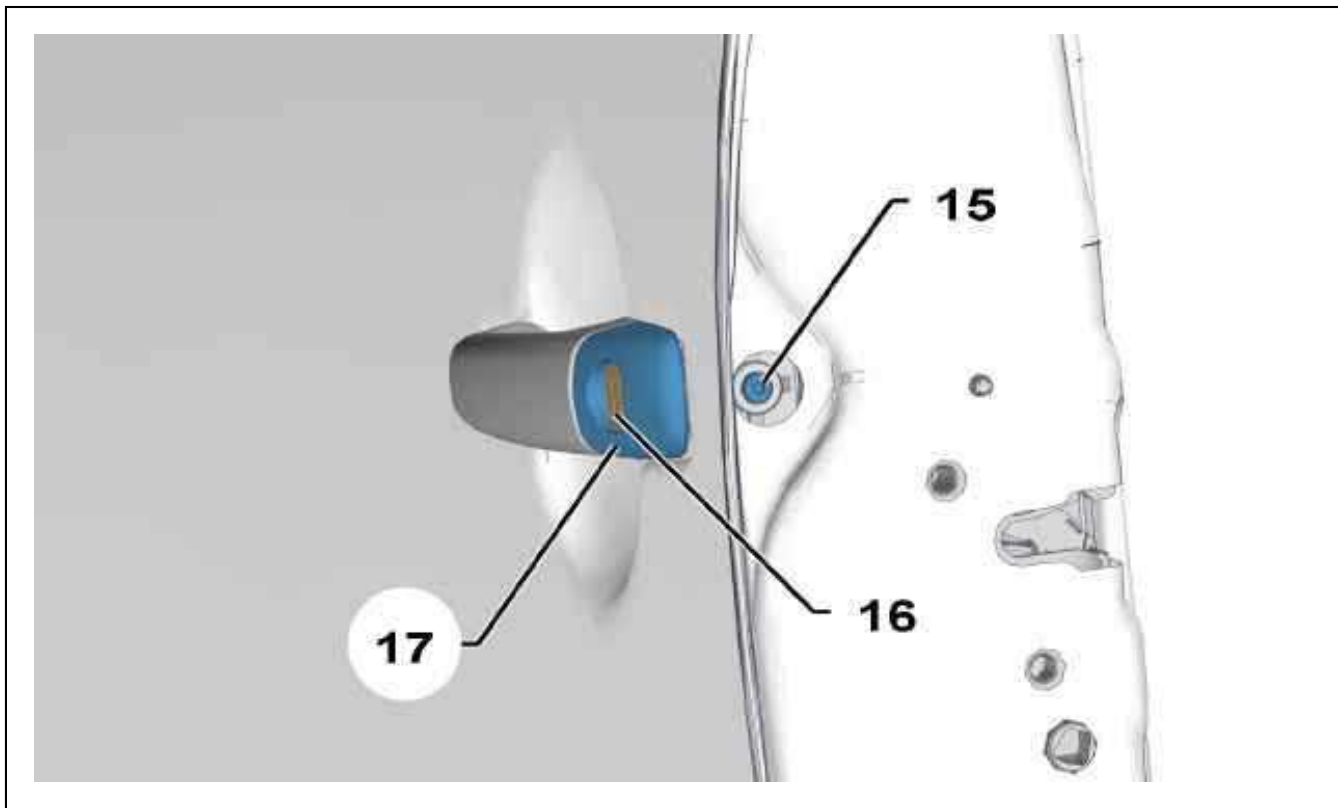


Figure : C4CP2GHD

Slacken the bolt (15).

Unclip the trim (17) ; Using tool [1].

Remove the trim (17).

Detach and remove the door lock (16).

N.B. : Removal of the trim (17) is not necessary in order to remove the door lock (16).

3.10. Door handle

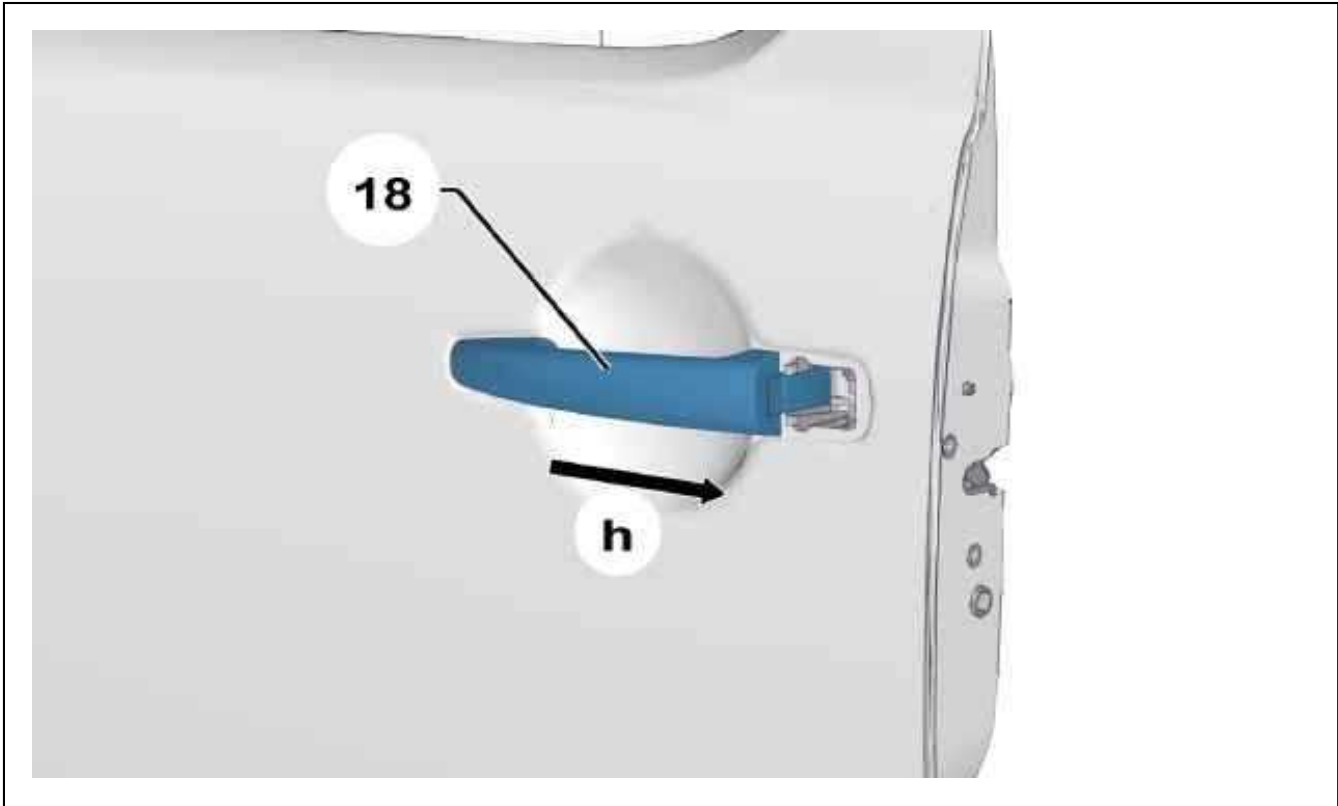


Figure : C4CP2GJD

Open the exterior handle (18) fully.
Disengage the exterior handle (18) (following "h").
Remove the exterior handle (18).

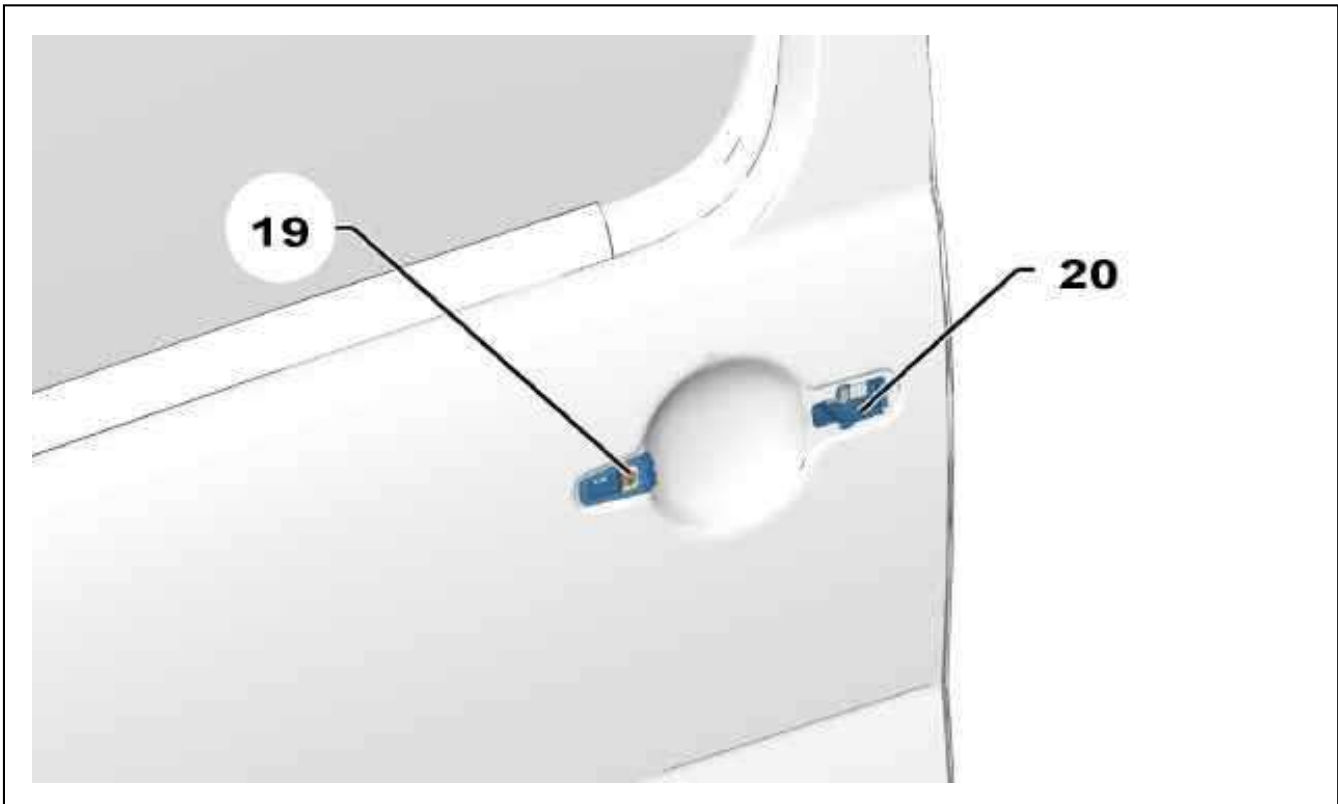


Figure : C4CP2GKD

Remove :

- The (19) bolt
- The exterior opening handle support (20)

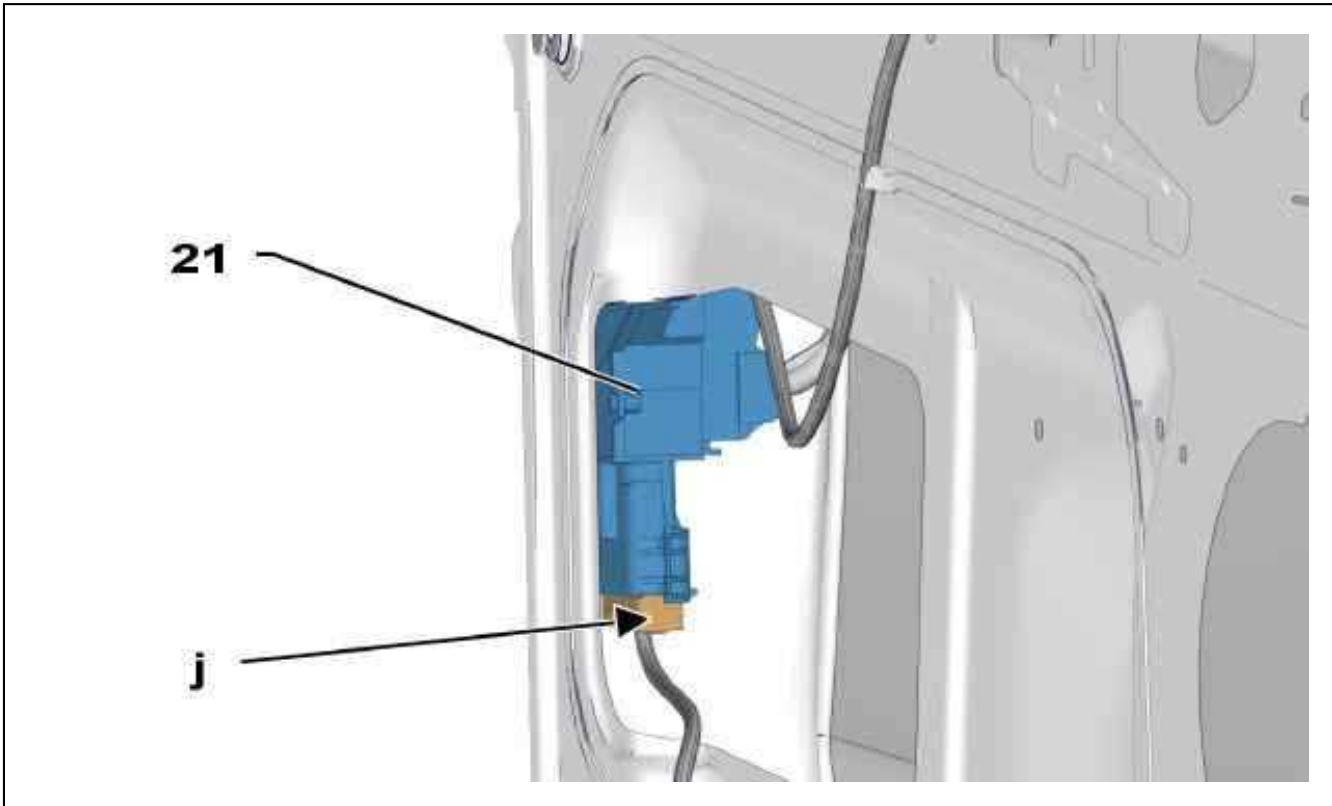


Figure : C4CP2GLD

Disconnect the catch (21) connector "j".

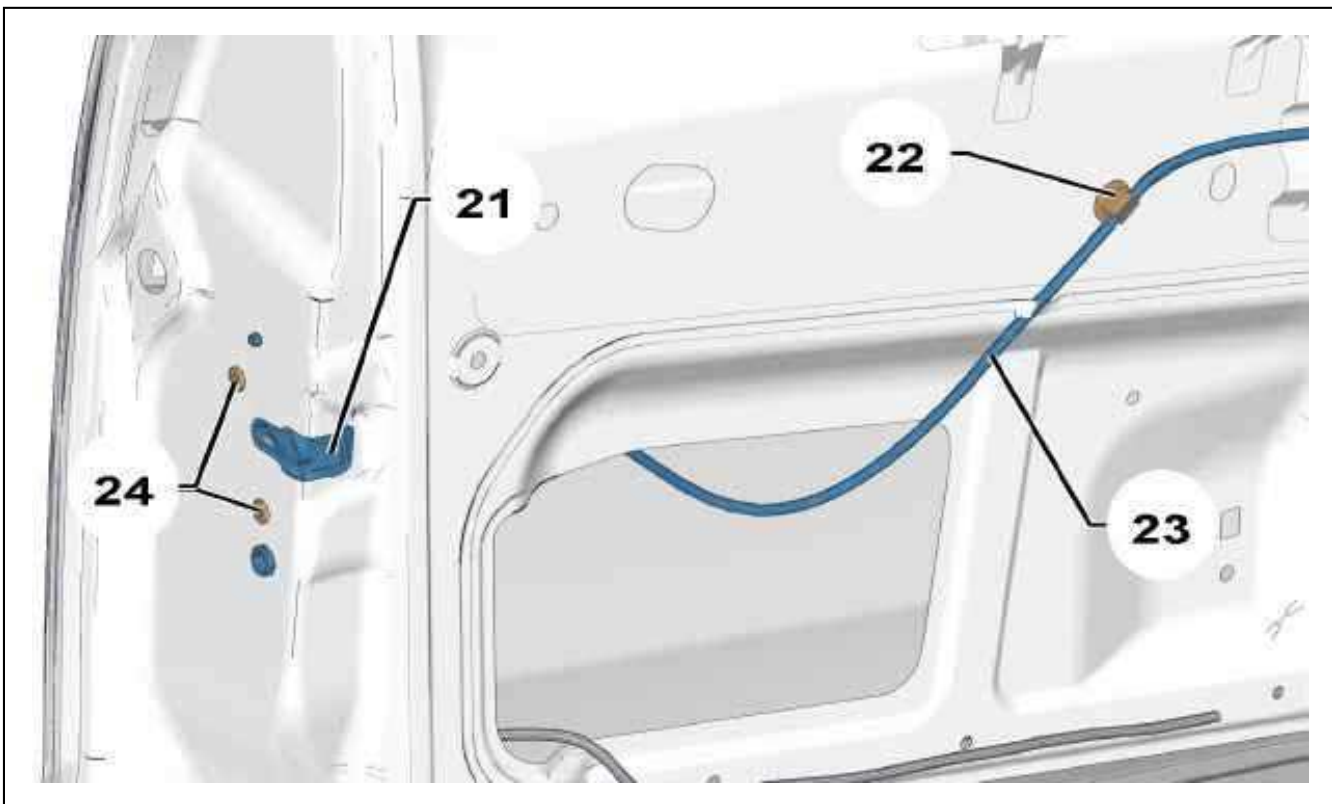


Figure : C4CP2GMD

Unclip the cable sleeve (23) clip (22).

Remove :

- The bolts (24)
- The catch (21) (Via the aperture in the door)

3.11. Electrical harness

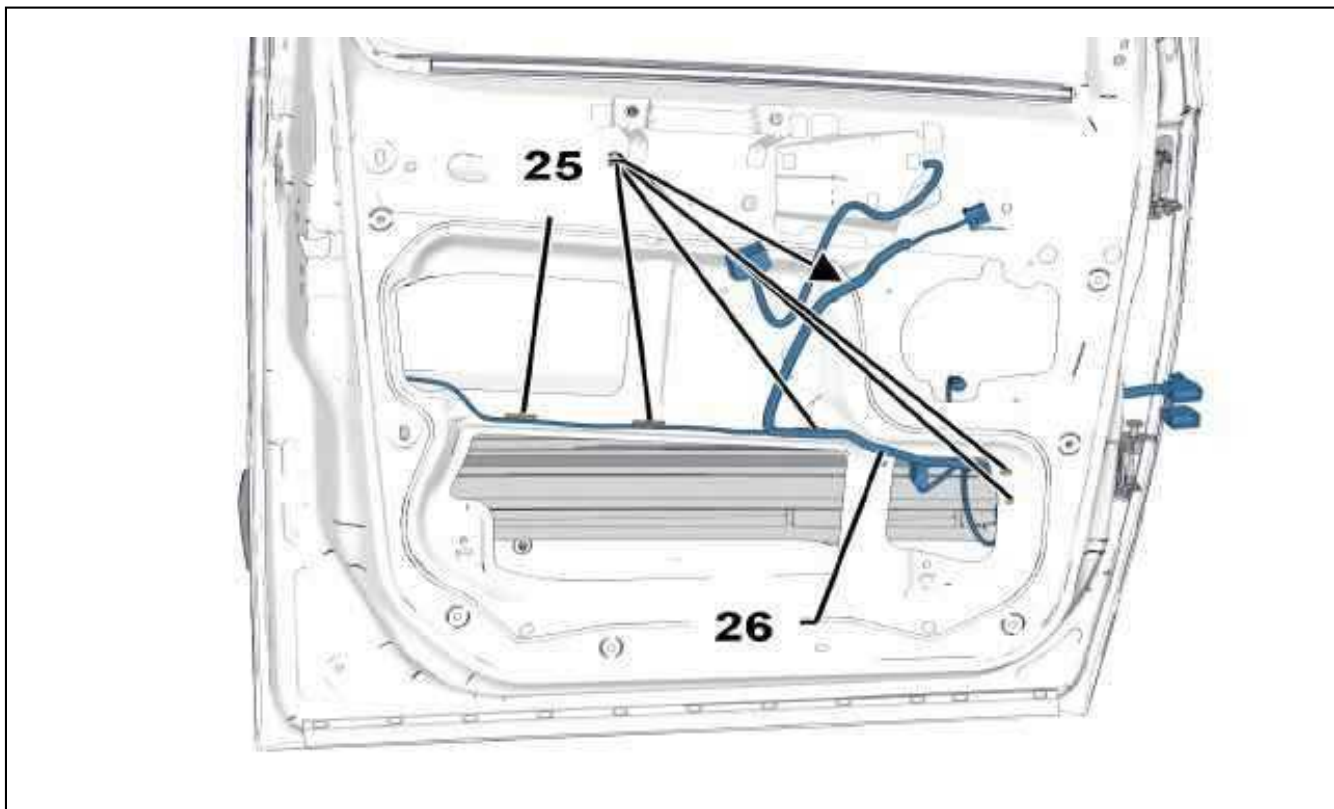


Figure : C4CP2GND

Unclip the clips (25) ; Using tool [1].

Remove the electric harness (26).

3.12. Door dirt seal

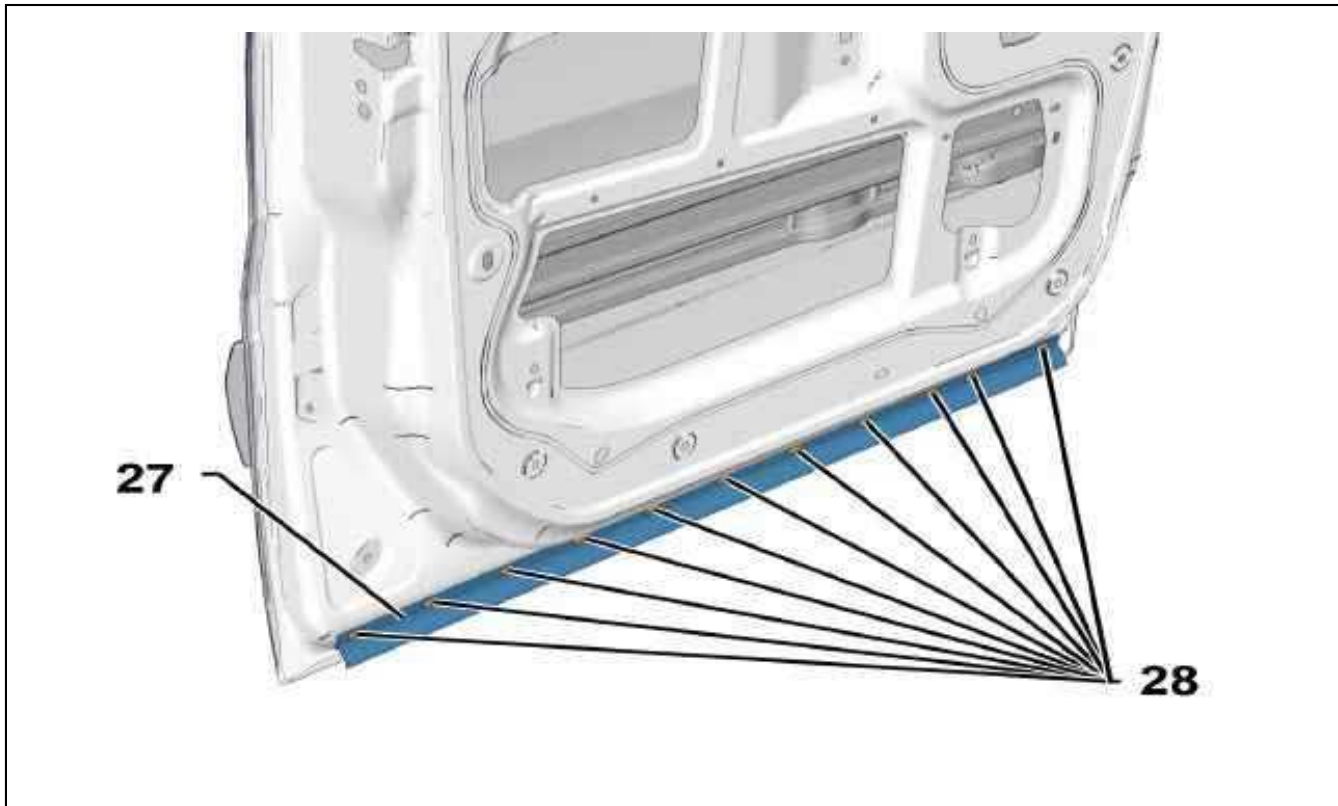


Figure : C4CP2GPD

Unclip the clips (28) ; Using tool [1].

Remove the dirt seal (27).

N.B. : Prepare for the replacement of the clips (if necessary).

3.13. Side protection strip

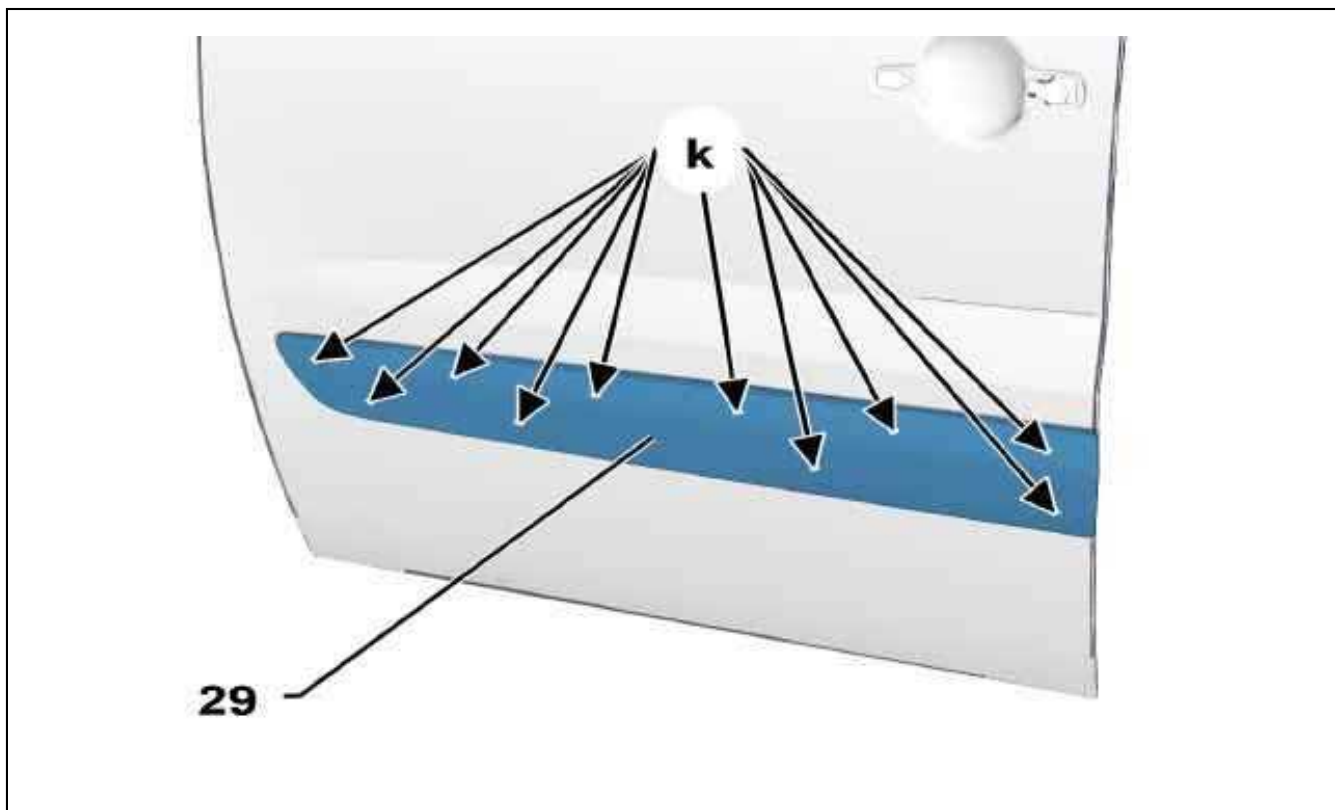


Figure : C4CP2GQD

Unclip the side protection strip (29) (at "k") ; Using tool [1].
Remove the side protection strip (29).

N.B. : Prepare for the replacement of the clips .

4. Re-assembling

Carry out the re-trim operations in the reverse order to the stripping operations.
Tighten the bolts (24) to $1,8 \pm 0,4$ daN.m.

CAUTION : Perform the operations to be carried out following reconnection of the battery ⓘ .

Reconnect the battery.
Check all the equipment works.

STRIPPING-ASSEMBLING : EXTERIOR MIRROR

ESSENTIAL : Observe the safety and cleanliness recommendations.

1. Recommended tools

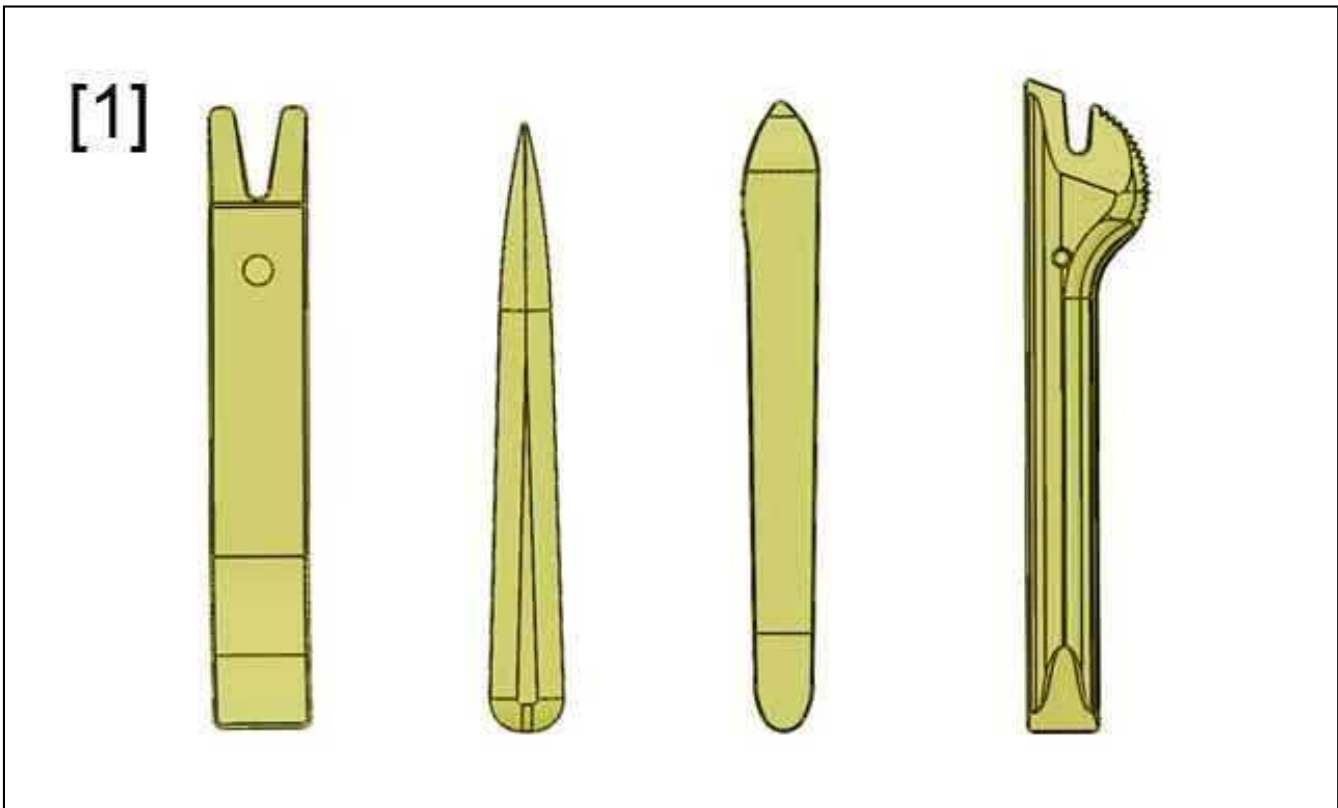


Figure : E5AP30WD

[1] Stripping tool (-).1350-ZZ.

2. Preliminary operations

Remove :

- The exterior rear view mirror glass ⓘ
- The exterior mirror ⓘ

3. Stripping

3.1. Exterior rear view mirror glass motor

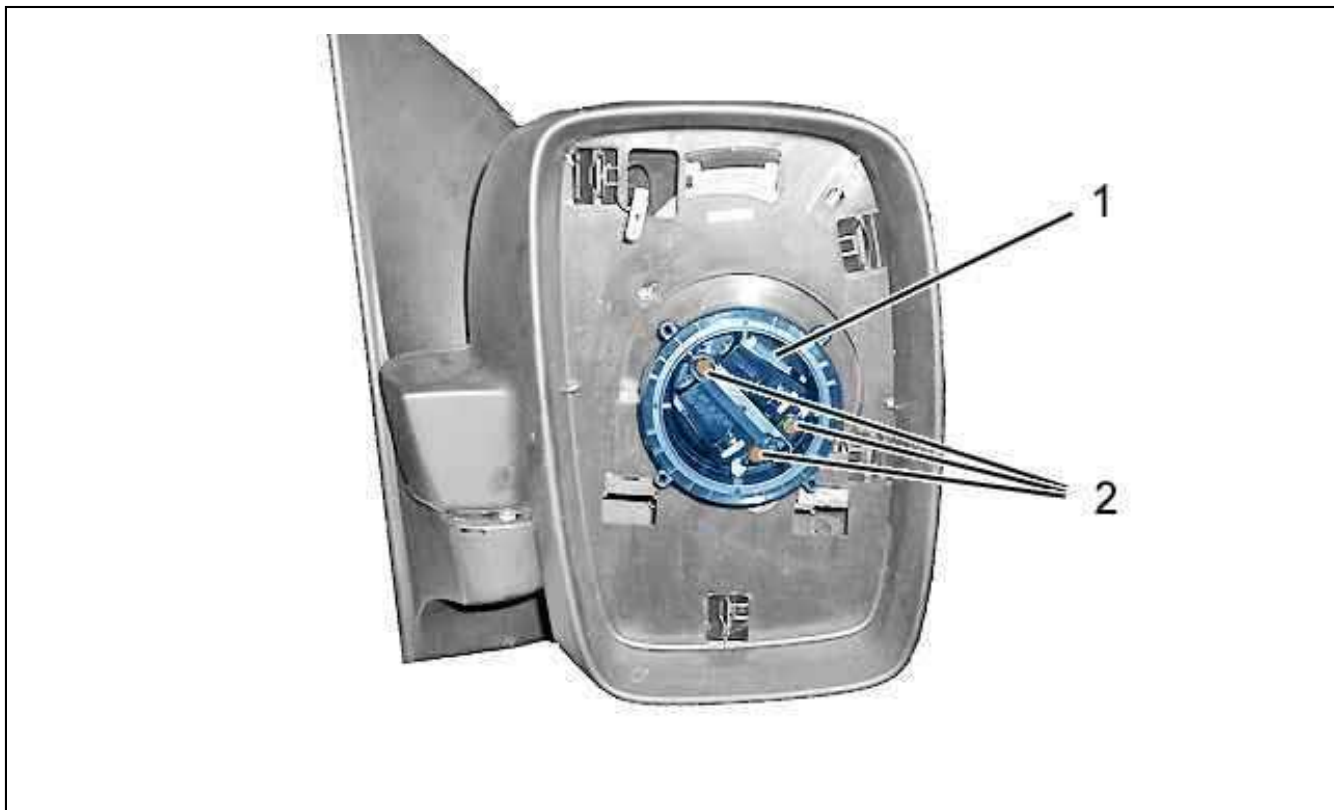


Figure : C4CP2N2D

Remove the bolts (2).

Disengage the exterior rear view mirror glass motor (1).

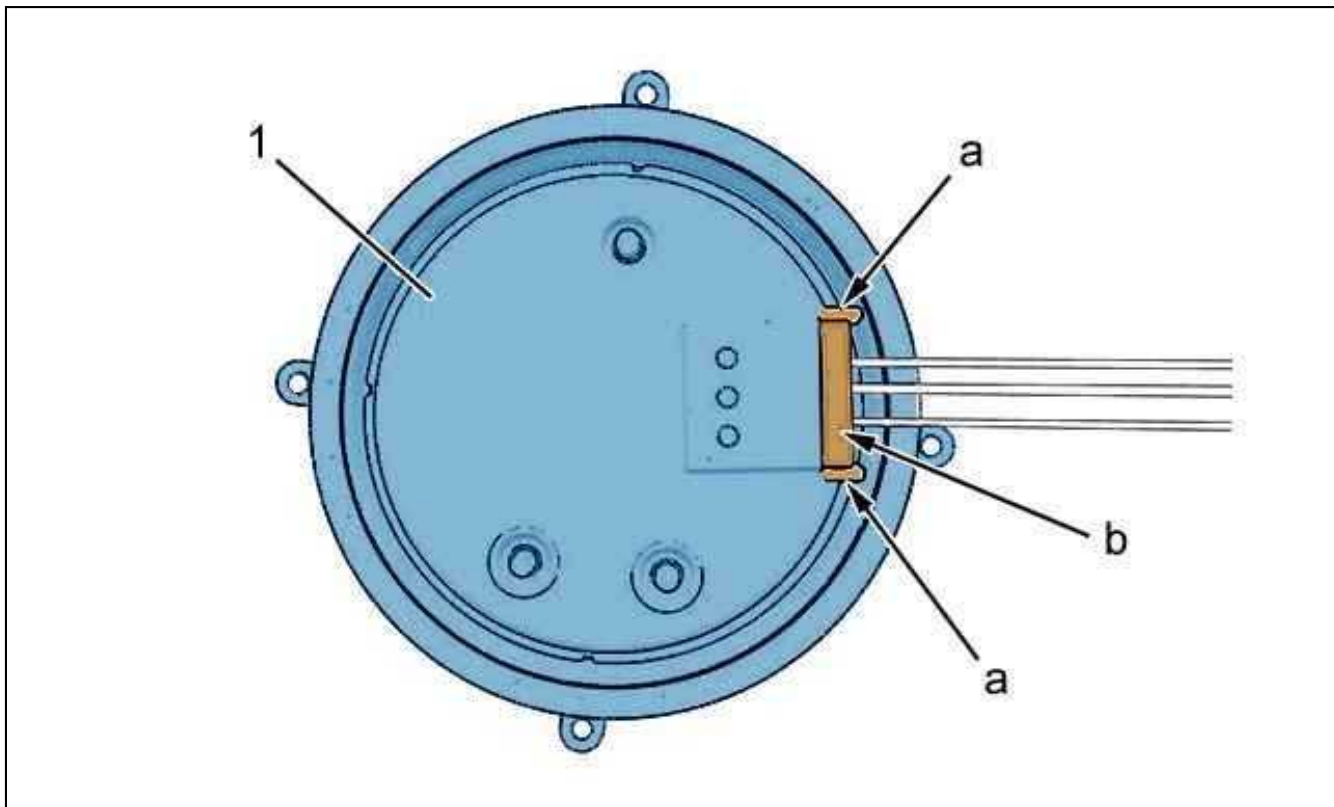


Figure : C5DP0C7D

Detach the lugs at " a" ; Using a thin screwdriver (according to equipment).

Disconnect the connector (at "b") (according to equipment).

Remove the exterior rear view mirror glass motor (1).

3.2. Exterior rear view mirror trim

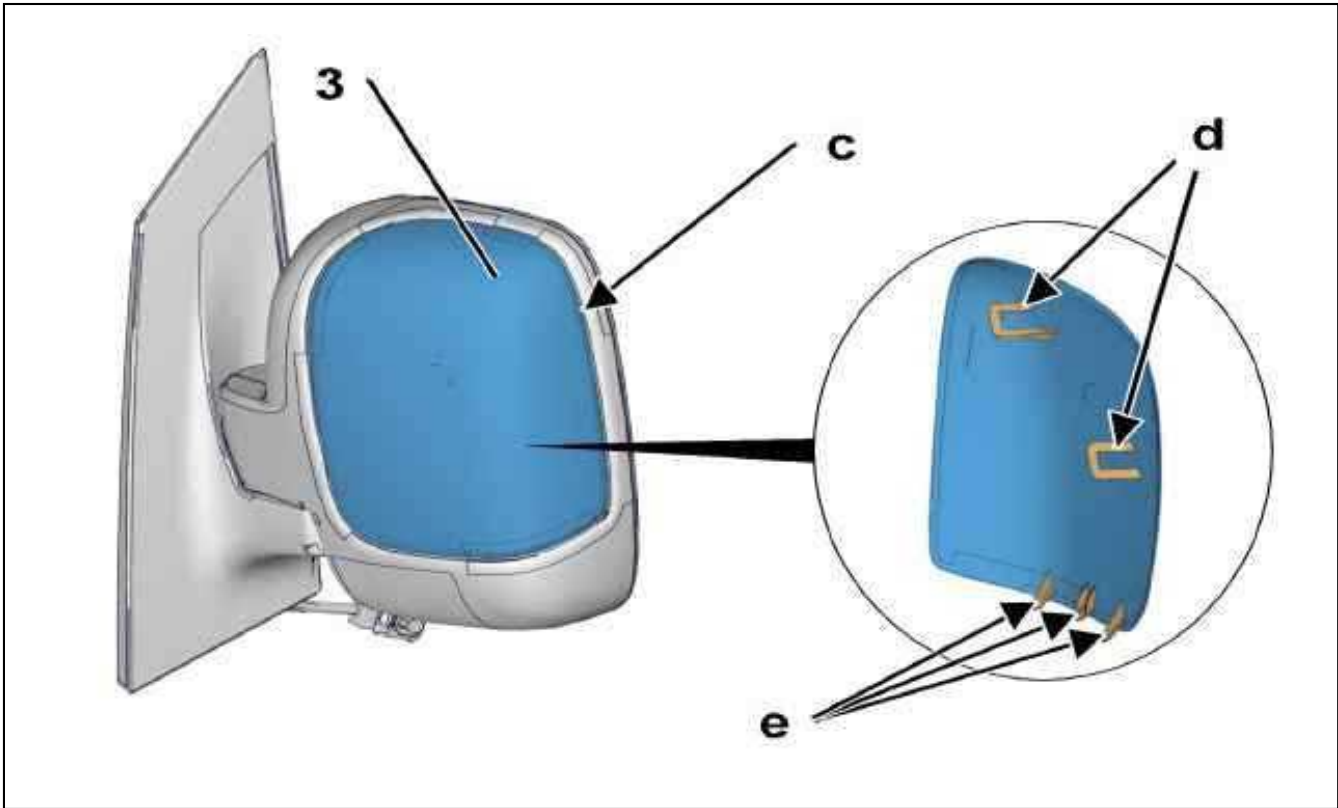


Figure : C4CP2N3D

CAUTION : Replace the exterior rear view mirror trim (3).

Unclip the exterior rear view mirror trim (3) (at "c", "d", "e") ; Using tool [1].

Remove the exterior rear view mirror trim (3).

3.3. Exterior rear view mirror fixed glass

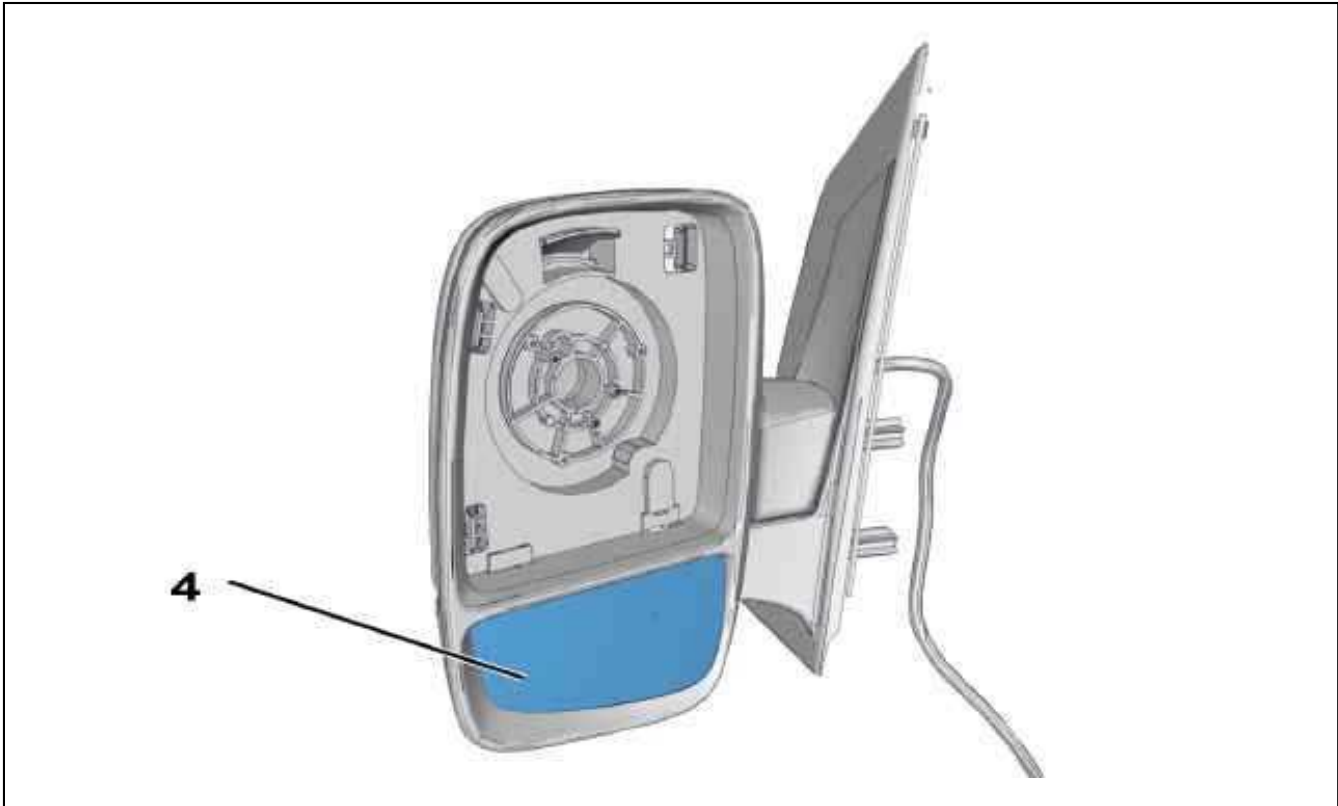


Figure : C4CP2N4D

CAUTION : Replace the exterior rear view mirror fixed glass (4).

Detach the exterior rear view mirror fixed glass (4) (according to equipment).

3.4. External temperature sensor

The outside temperature sensor is located inside the exterior rear view mirror.

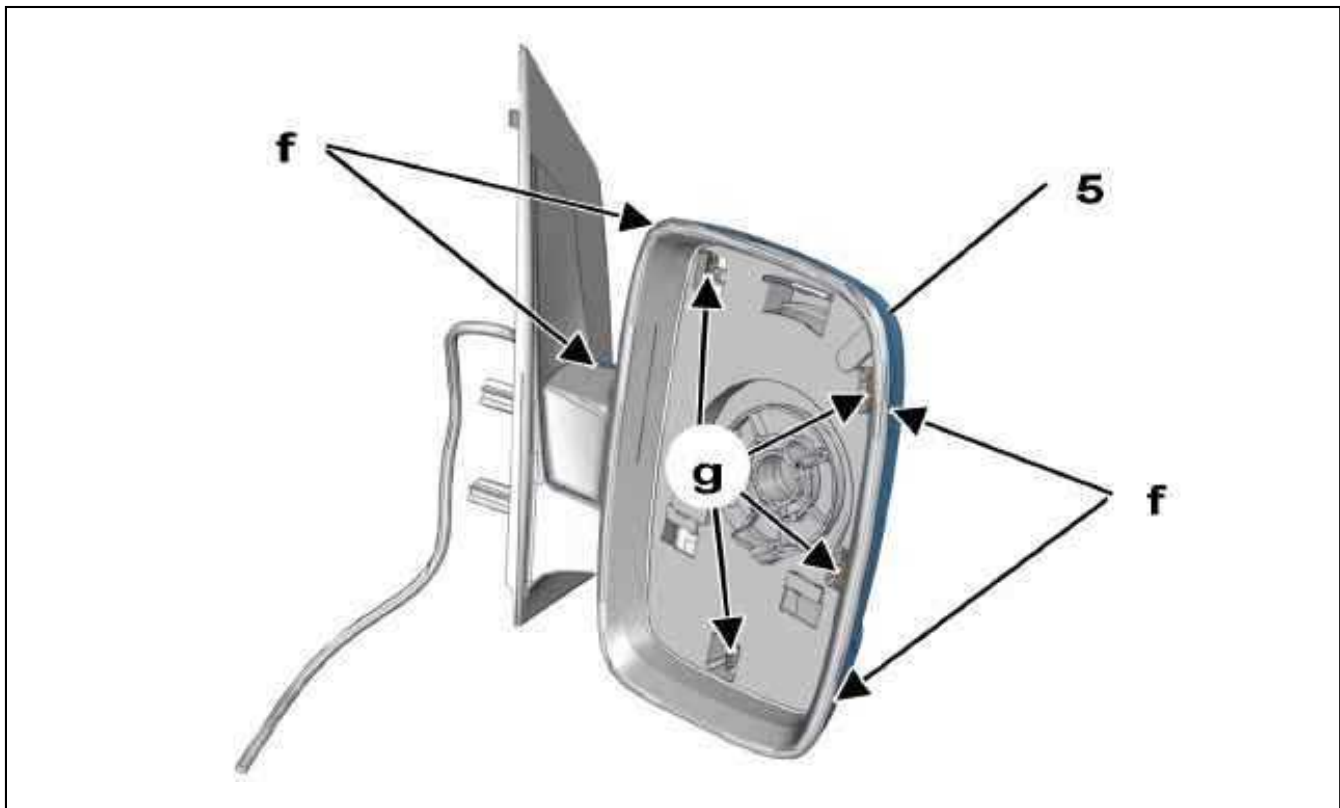


Figure : C4CP2N5D

CAUTION : Replace the exterior rear view mirror shell (5) (right hand side).

Unclip the exterior rear view mirror shell (5) (at "g", "f") ; Using tool [1].
Remove the exterior rear view mirror shell (5).

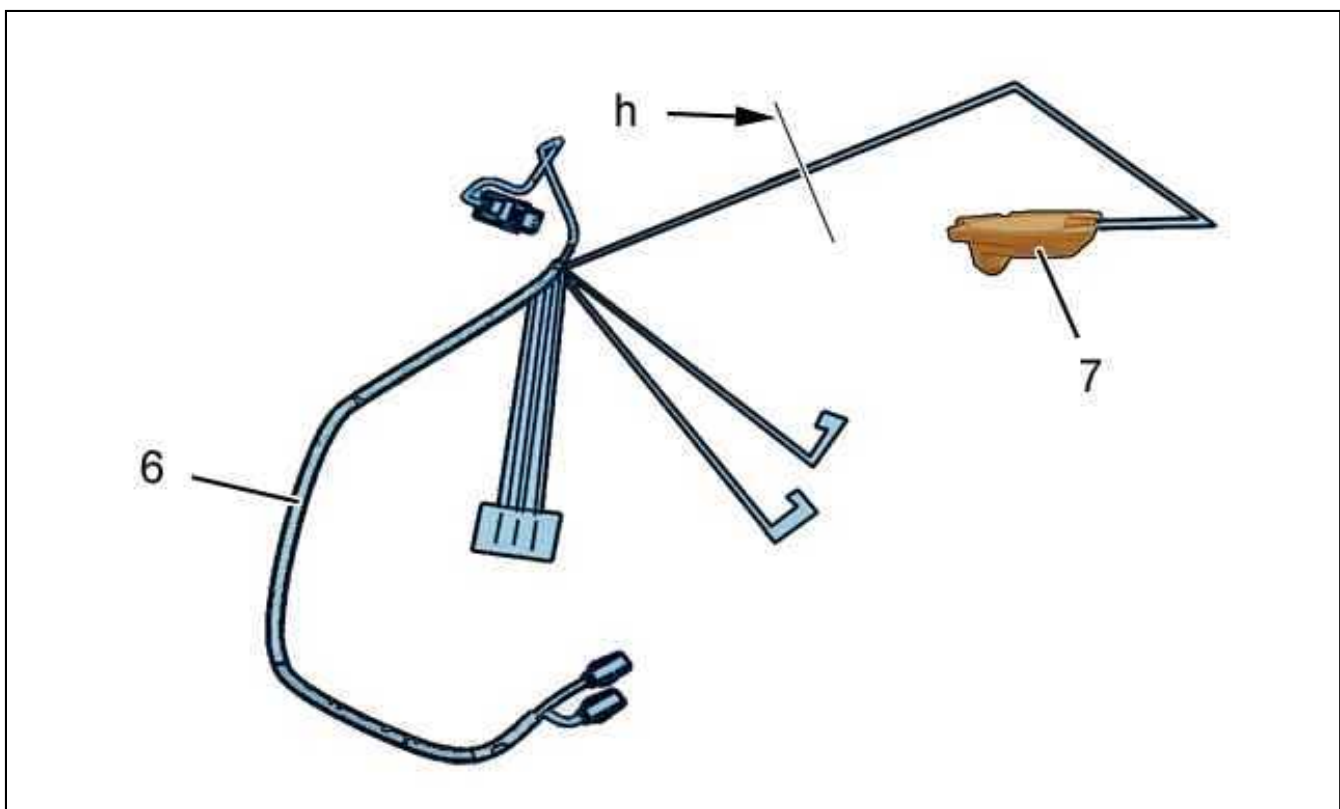


Figure : D4AP0BXD

Disengage the harness (6) from the exterior mirror frame.

Cut the black wires of the outside temperature sensor (7) (at "h") (according to equipment).

Remove the external temperature sensor (7) (according to equipment).

4. Re-assembling

Restore the electrical connection of the outside temperature sensor (7) ; Using the welding sleeves (type RAYCHEM) (according to equipment).

Insulate the electrical connection of the outside temperature sensor (7) ; Using the heat-shrink sleeve (according to equipment).

Carry out the re-trim operations in the reverse order to the stripping operations.

Check the electrical operation of the exterior rear view mirror (according to equipment).

REMOVING - REFITTING : FRONT DOOR ELECTRIC WINDOW MECHANISM

ESSENTIAL : Observe the safety and cleanliness recommendations.

1. Removing

Remove the front side door window .

Remove the interior handle control .

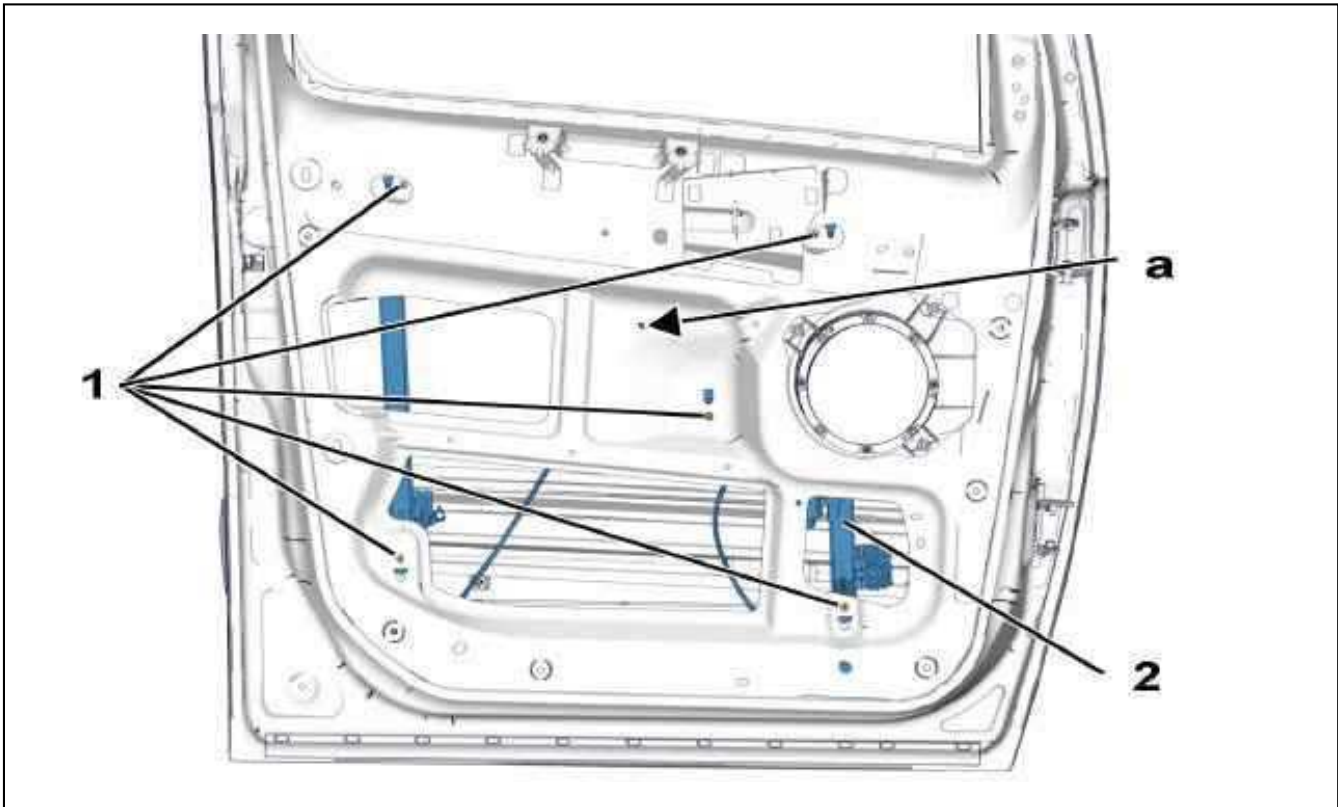


Figure : C4CP2FDD

Drift out the rivet studs before drilling out.

Drill out the rivet heads (1) ; Using a 6 mm diameter drill bit.

Unclip the electric window mechanism (2) (as "a").

Disengage the electric window mechanism (2).

Remove the electric window mechanism (2).

Drill out the remaining rivet stems .

N.B. : Vacuum out the bottom of the door to extract the rivet waste.

2. Refitting

Proceed in the reverse order to removal.

Check all the equipment works.

REMOVING - REFITTING : FRONT SIDE DOOR WINDOW

ESSENTIAL : Observe the safety and cleanliness recommendations.

1. Preliminary operations

Open the door.

Lower the door window to the maximum (Up to the mechanical stop).

Perform the following operations :

- Remove the ignition key
- Wait at least 3 minutes before disconnecting the battery
- Disconnect the battery negative terminal

2. Removing

Remove the exterior rear view mirror  .

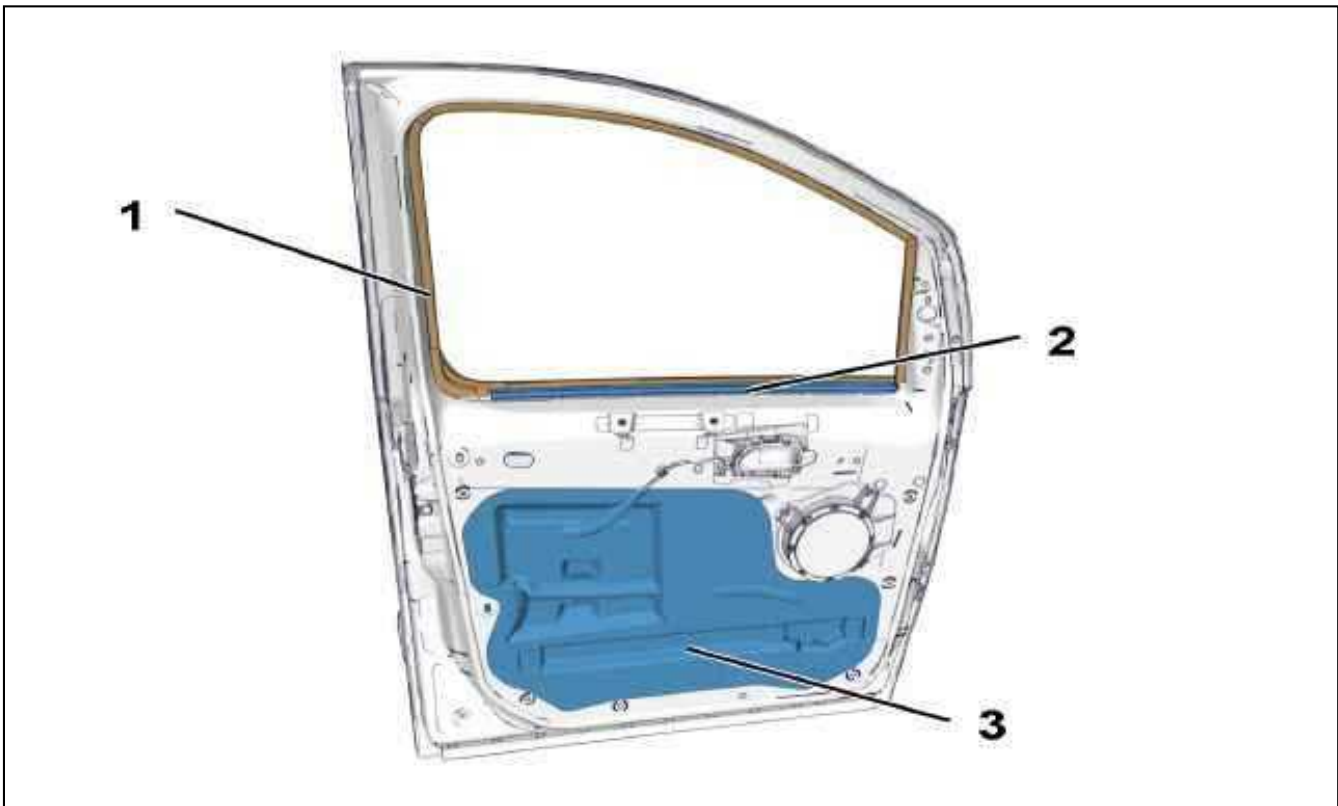


Figure : C4CP2FGD

Remove the front door window slide seal (1).

Remove :

- The interior window seal (2)
- The sealing sheet (3)

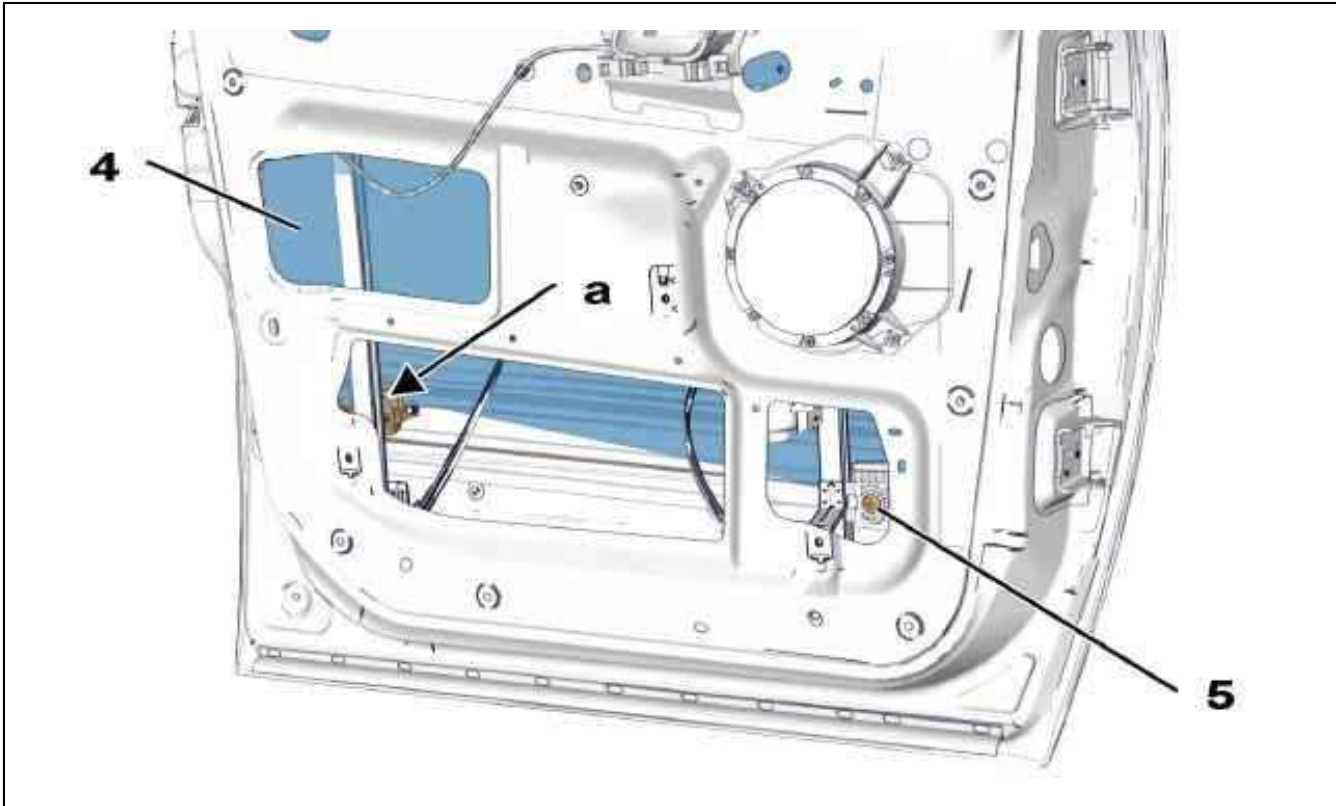


Figure : C4CP2FHD

Unclip the window glass (4) from the front side door (as "a").

Remove :

- The (5) bolt
- Disconnect the automatic gearbox ECU connector (4)

3. Refitting

CAUTION : Fit new sealing components which must be fitted without folds and without tears ; The door inner pane must be perfectly clean ; These requirements are essential in order to prevent any invasion of water, dust or noise.

Proceed in the reverse order to removal.

CAUTION : Perform the operations to be carried out following reconnection of the battery ⓘ .

Reconnect the battery.

Check all the equipment works.