

DACTIVATION / ACTIVATION : CENTRAL AIRBAG AND SEATBELT SYSTEM

1. Deactivation

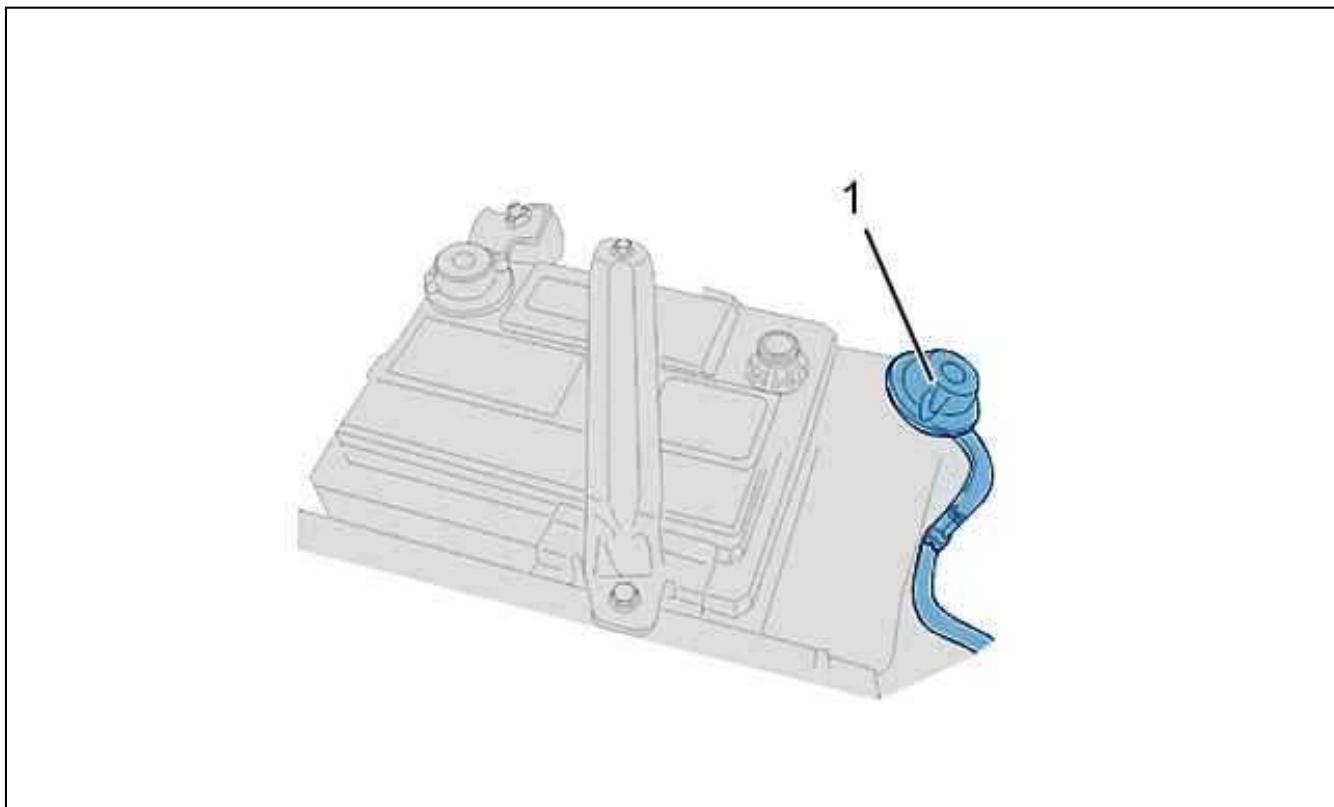


Figure : D1AP03CD

Disconnect the battery negative cable (1).

Protect the cable and the negative terminal in order to prevent any contact.

CAUTION : Wait for at least 5 minutes before performing any operations (discharging of the airbag ECU power reserve).

CAUTION : The ECU must not be removed with the connector still connected under any circumstances.

Disconnect the airbag ECU connector.

2. Activation

ESSENTIAL : The area of the airbags and pyrotechnic seat belts should be kept clear, both of objects and of people.

Ignition off : Connect the airbag ECU connector.

Connect the battery negative cable.

On the driver's side, door open, ignition on, keeping the steering wheel module activation area clear.

Check the system is operating correctly by checking the airbag fault LEDs.

N.B. : After disconnecting the battery, some electronic systems (injection, safety auto-reverse system ...) need ar

initialisation procedure ; Perform the appropriate initialisation procedures.

REMOVING - REFITTING : REAR TAILGATE GLASS

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

1. Tooling

Glazing tools ⓘ .

Glazing consumables ⓘ .

2. Removing

Remove :

- The rear wiper motor ⓘ
- The 3rd stop lamp ⓘ

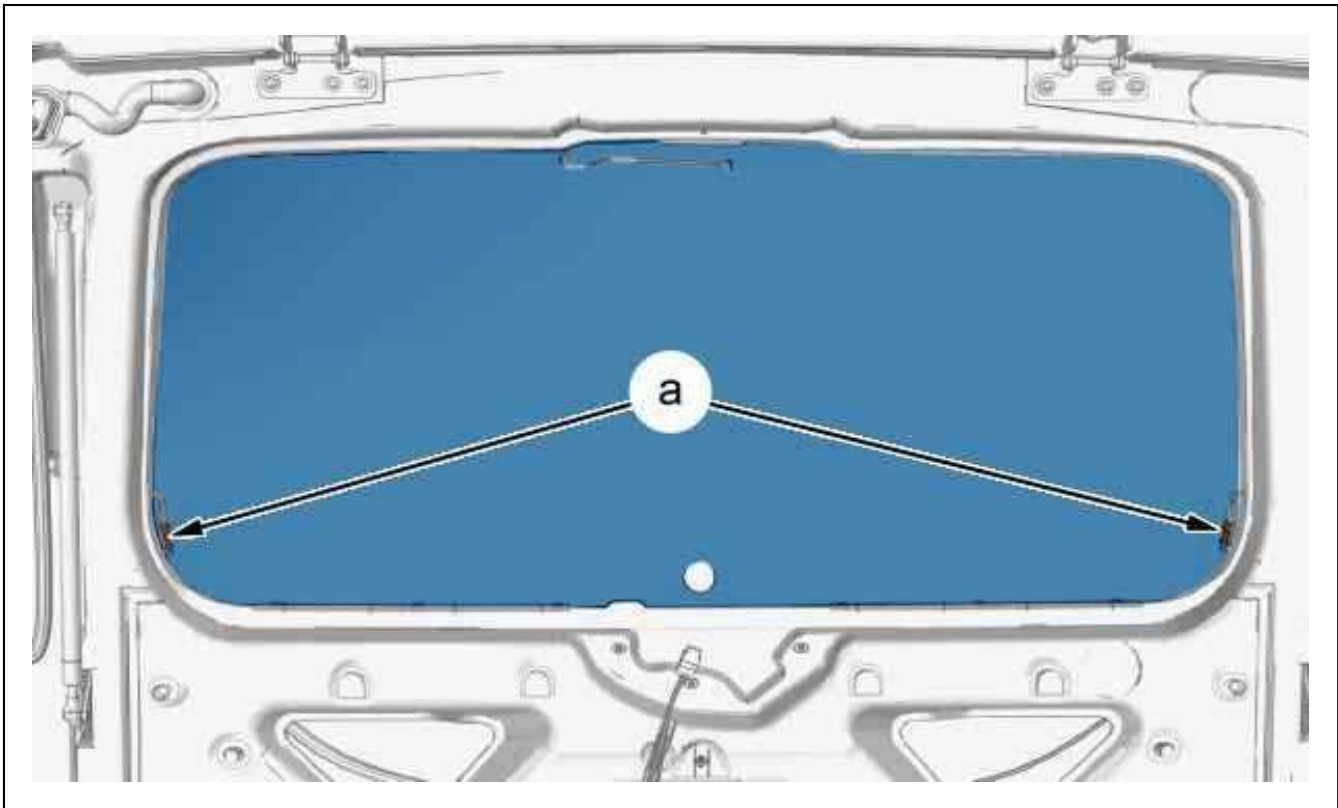


Figure : C5CG1UND

Disconnect the connectors (at "a").

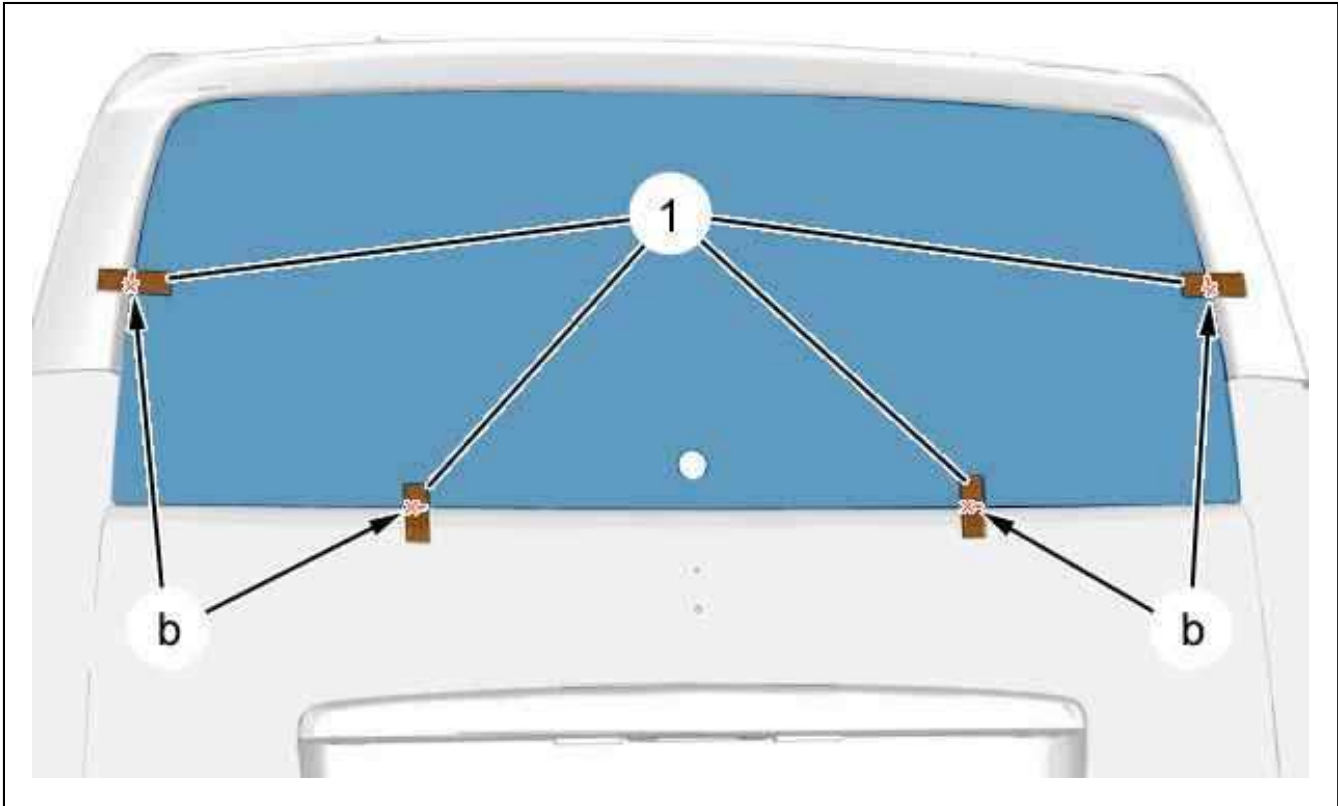


Figure : C5CG1UOD

N.B. : If the tailgate glass is to be reused, position strips of adhesive tape (1) and cut them (As indicated above) (a "b").

Open the rear tailgate .



Figure : C5CG1UPD

Pass the awl [1354-C] through the bead of sealing adhesive, from the inside towards the outside.
Attach the cutting wire [1354-E] to the awl [1354-C].
Pass the cutting wire [1354-E] inside the vehicle.

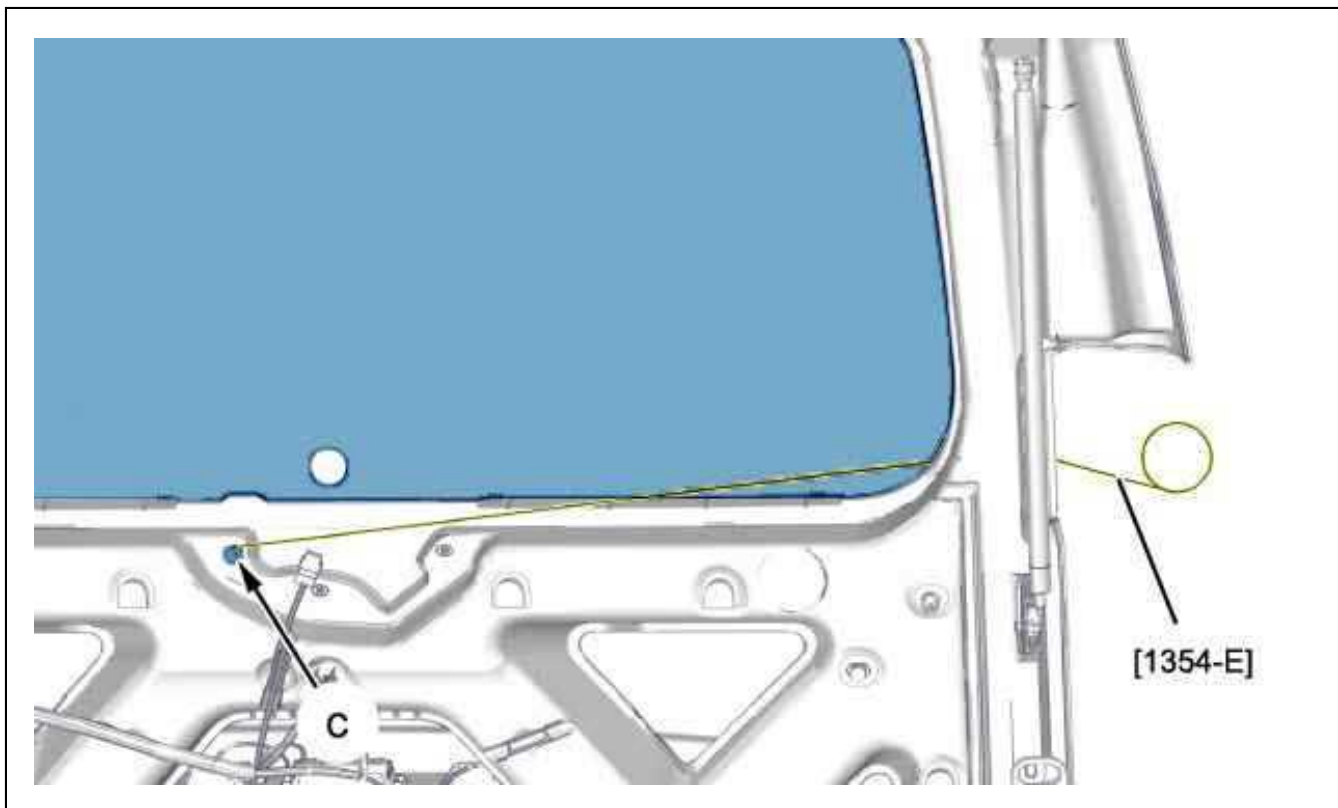


Figure : C5CG1UQD

Fix the end of the cutting wire [1354-E] on the rear wiper motor fixing (at "c").

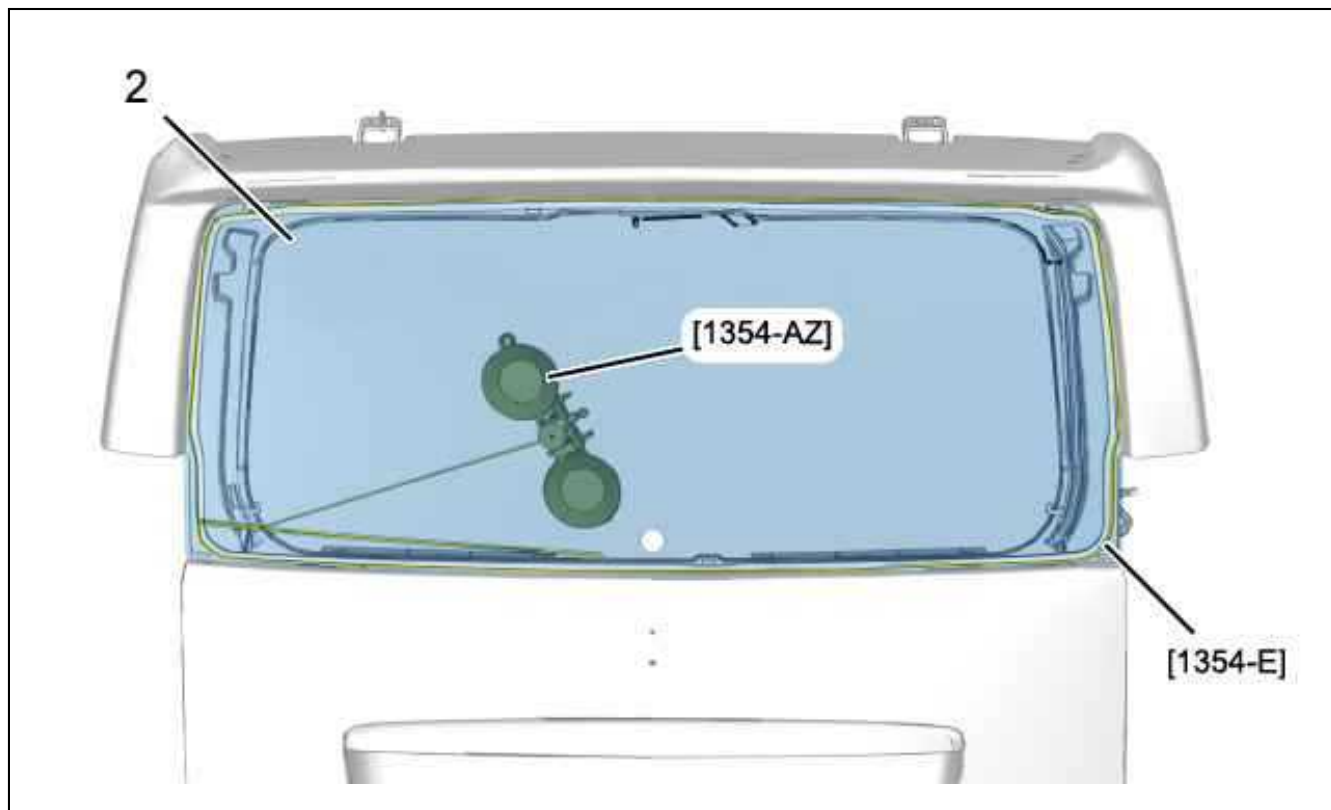


Figure : C5CG1URD

Pass the cutting wire [1354-E] under the tailgate glass (2).

Fix the end of the cutting wire [1354-E] to the roller guide device [1354-AZ].

N.B. : 2 operators are necessary to carry out the following operations.

Cut and move the tool [1354-AZ], following the line of the cut of the bead of sealing adhesive .

Remove the rear tailgate glass (2).

3. Cleaning

3.1. Preparing the glass

1st case : Re-use of the rear tailgate glass .

Fit the electric knife [FEIN-400E] with the blade N°146.

Remove the sealing adhesive strip.

Remove any dust using a clean cloth.

Apply the primer on the zones made bare.

2nd case : Fitting new tailgate glass .

Degrease the edge of the rear tailgate glass .

Apply the glass primer provided in the bonding kit .

Leave to dry for 10 minutes.

N.B. : Only apply the primer to the zones laid bare.

3.2. Preparation of the aperture

1st case : On residue sealant.

Fit the electric knife [FEIN-400E] with the blade N°146.

Remove the sealing adhesive strip.

Remove any dust using a clean cloth.

2nd case : New component.

Degrease the aperture.

Apply the metal primer provided in the bonding kit part number A3.

Leave to dry for 10 minutes.

4. Refitting

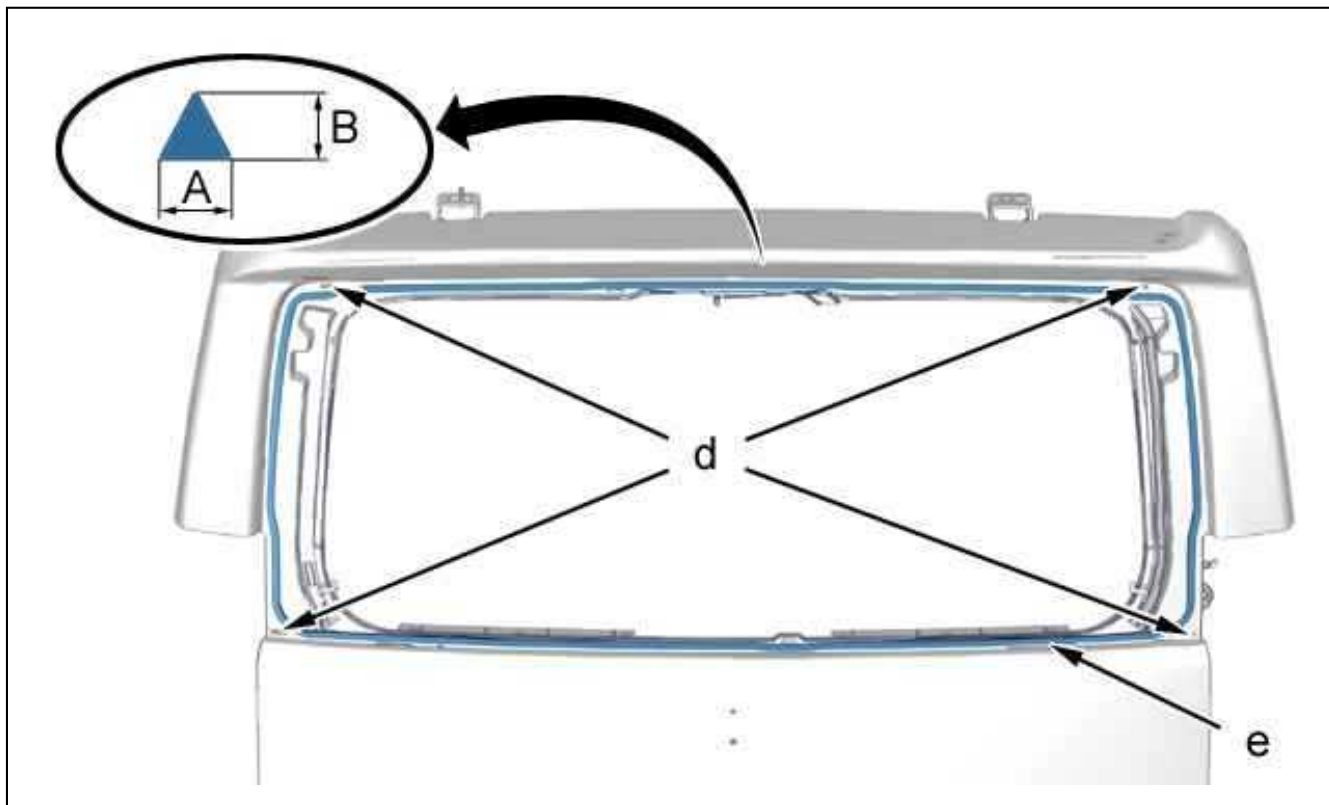


Figure : C5CG1USD

"A" = 8 mm.

"B" = 12 mm.

Cut the nozzle in triangular section to obtain a bead of sealing adhesive "A" wide and "B" deep.

Apply an adhesive sealing strip on the surround of the rear tailgate grille (at "e").

Fit the tailgate glass shims (at "d").

CAUTION : If a two-pack product is used : The time between the glass fitting to the vehicle and the start of extrusion of the adhesive sealant should not exceed 5 minutes.

Refit the tailgate glass ; Using tool [KIT1-VENT].

Press gently around the edge of the rear tailgate glass .

Clean the tailgate glass and its surround .

CAUTION : Observe the vehicle immobilisation time following fitting of the windscreen recommended by the suppliers of the products used.

Continue the fitting operations in the reverse order to the removal operations.

Check the fits and clearances ⓘ .

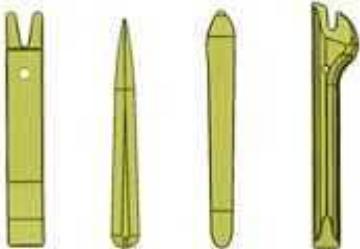
Check the sealing of the tailgate glass .

Clean the tailgate glass and its surround .

REMOVING - REFITTING : HEADLINING (CREW CAB)

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

1. Tooling

tool	Reference	Description
[1350-ZZ]  Figure : E5AB03HT	[1350-ZZ]	Stripping tools

2. Preliminary operation

Disconnect the battery ⓘ .

Pull off the door seal .

3. Removing

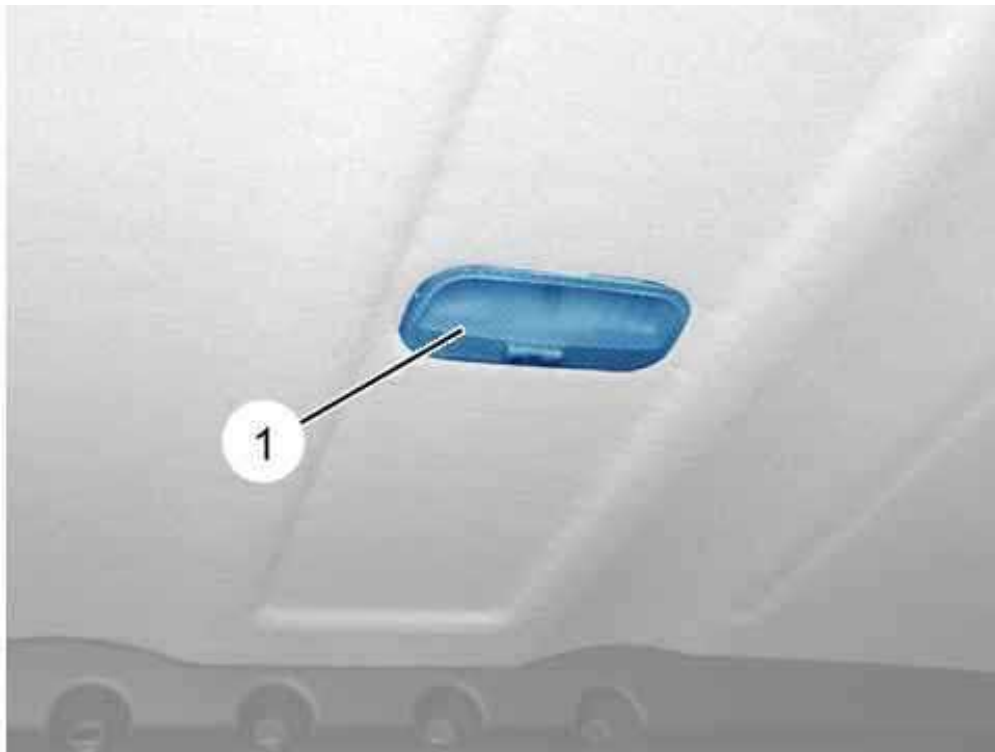


Figure : C5GG167D

Detach the lamp (1) ; Using tool [1350-ZZ].
Disconnect the lighting (1).
Remove the light (1).

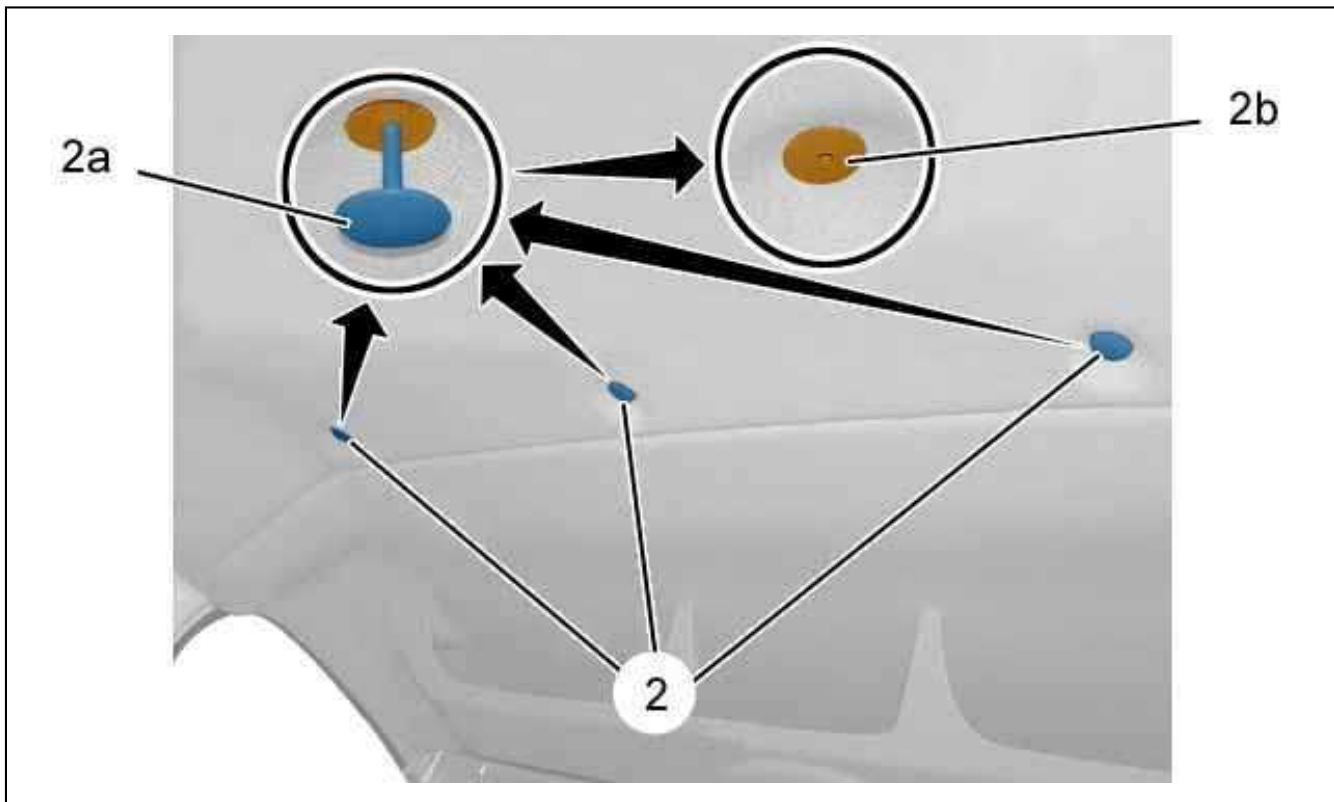


Figure : C5GG168D

Remove the clips (2) :

- Unclip the pin (2a) ; Using tool [1350-ZZ]
- Unclip the clip (2b) ; Using tool [1350-ZZ]

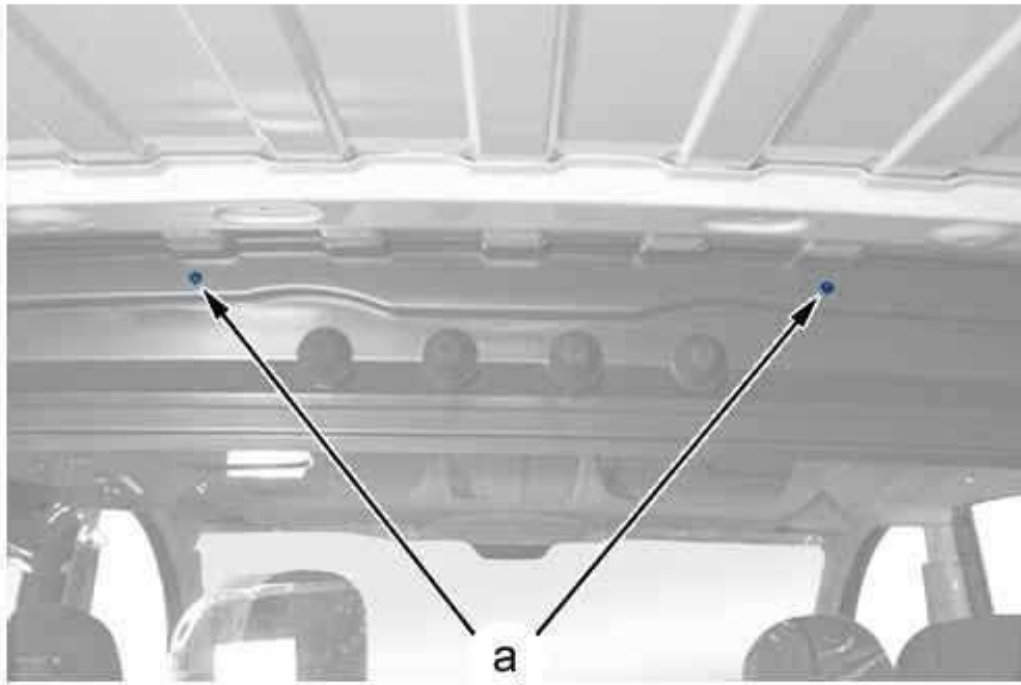


Figure : C5GG16ID

Remove the bolts (at "a").

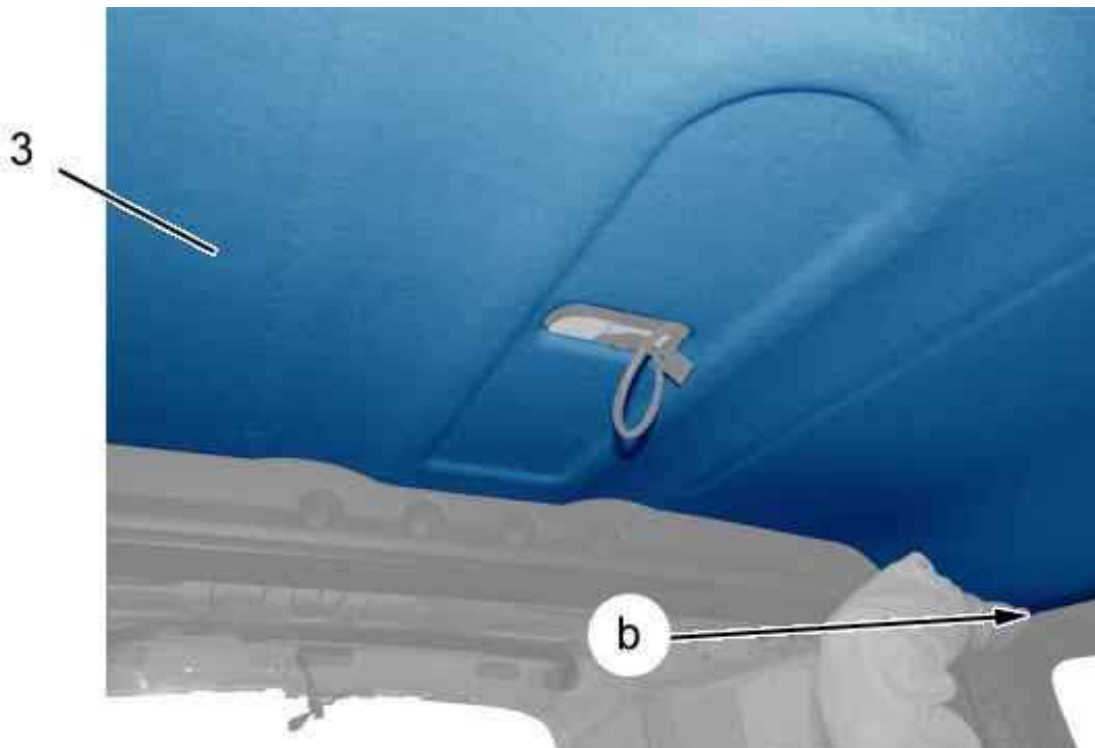


Figure : C5GG16JD

Detach the headlining (3) (at "b").

Remove the headlining (3).

Level the bead of adhesive remaining on the vehicle.

Clean the areas where there is adhesive ; Using degreaser index "J1".

N.B. : Always replace the headlining if there is any damage or marking.

4. Refitting

Proceed in the reverse order to removal.

Apply the adhesive (at "b") ; Using a multi use adhesive index "A6".

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

Reconnect the battery.

Check all the equipment works.

REMOVING - REFITTING : FRONT ROOF PANEL TRIM

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

1. Tooling

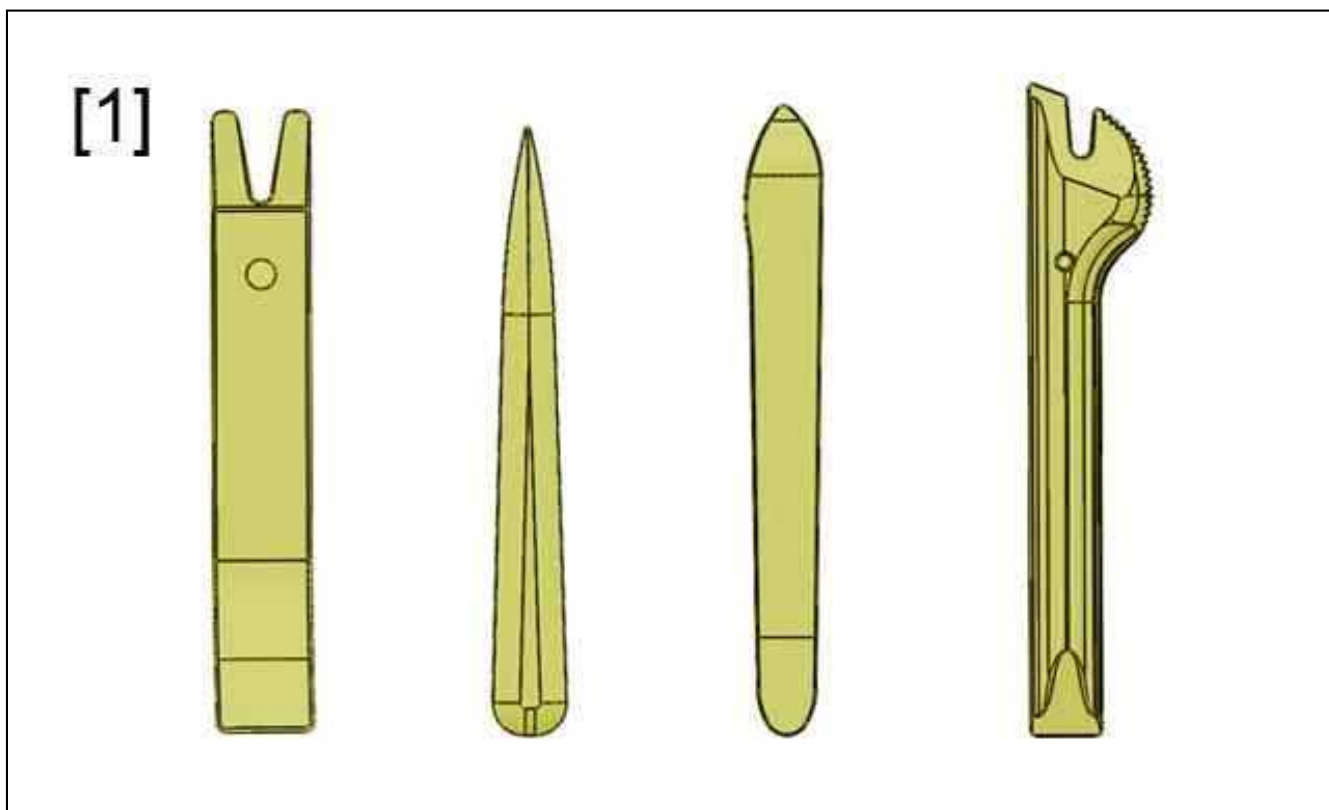


Figure : E5AP30WD

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

2. Removing

Perform the following operations :

- Switch off the ignition
- Wait 3 minutes before disconnecting the battery
- Disconnect the ancillaries battery

Remove :

- The roof rear trim ⓘ (Combi version)
- The screen pillar trim pads ⓘ (Utility version)
- The screen pillar trim pads ⓘ (Combi version)
- The roof console ⓘ
- The sun visors ⓘ

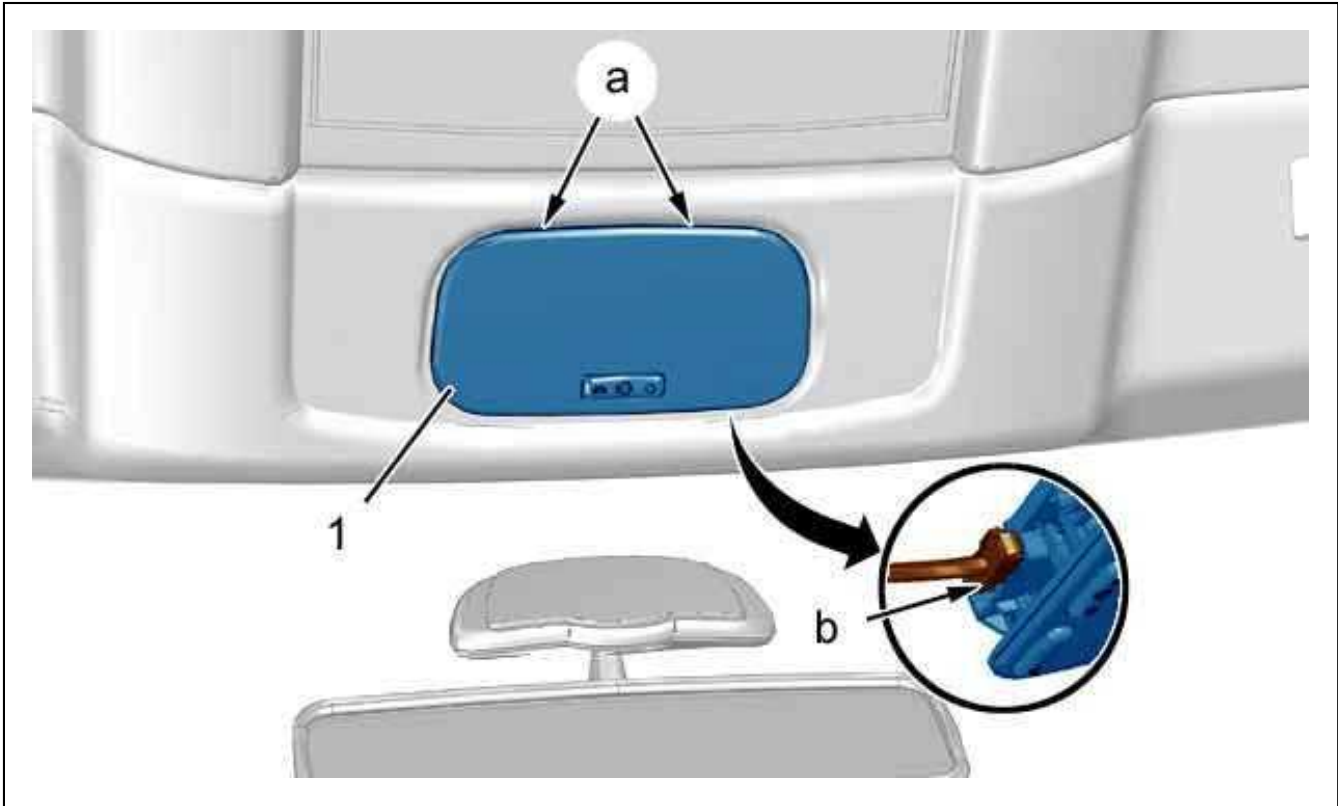


Figure : C5GP100D

Unclip the interior lamp (1) (at "a").
Disconnect the connectors (at "b") (according to equipment).
Remove the interior lamp (1).

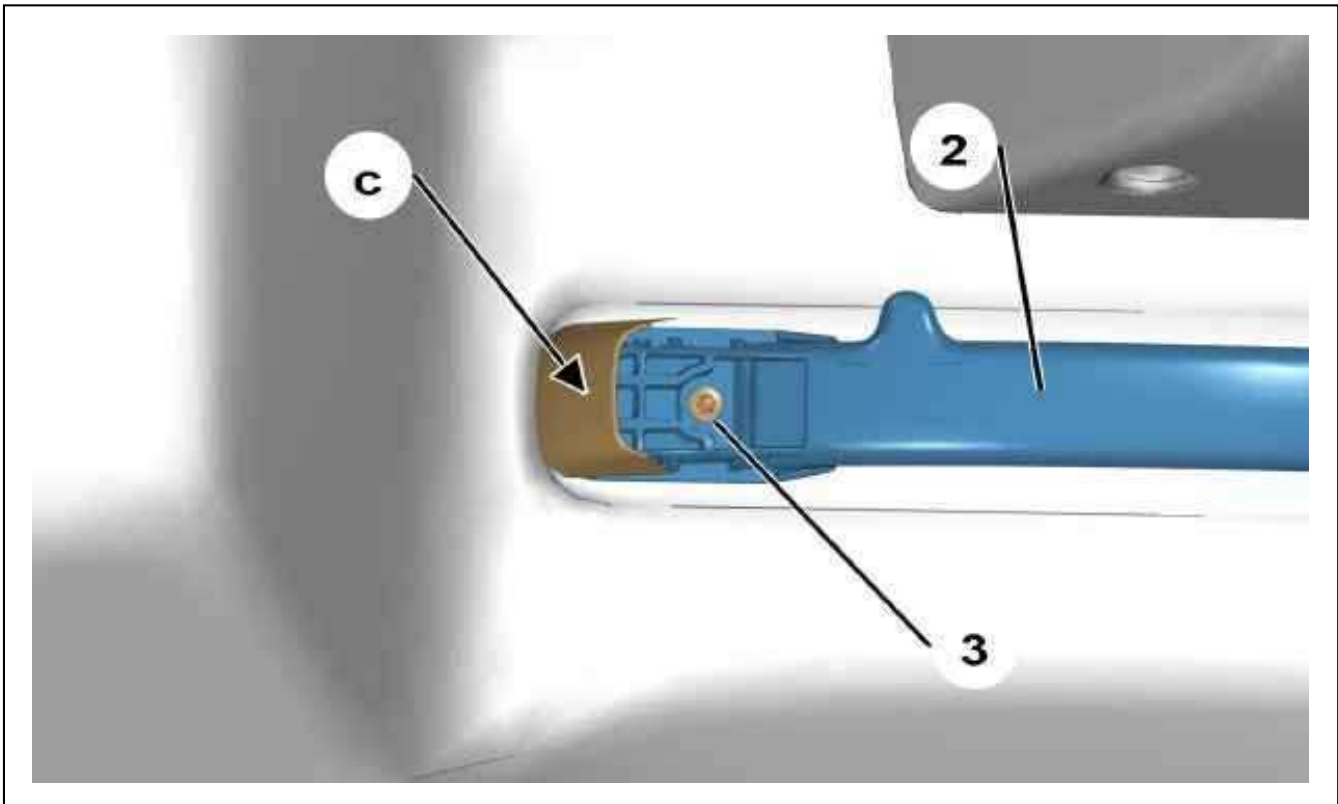


Figure : C5GP101D

Unclip the hinged cover "c" ; Using tool [1].

Remove :

- The (3) bolt
- The grab handle (2)

N.B. : Carry out the same operation on the other side.

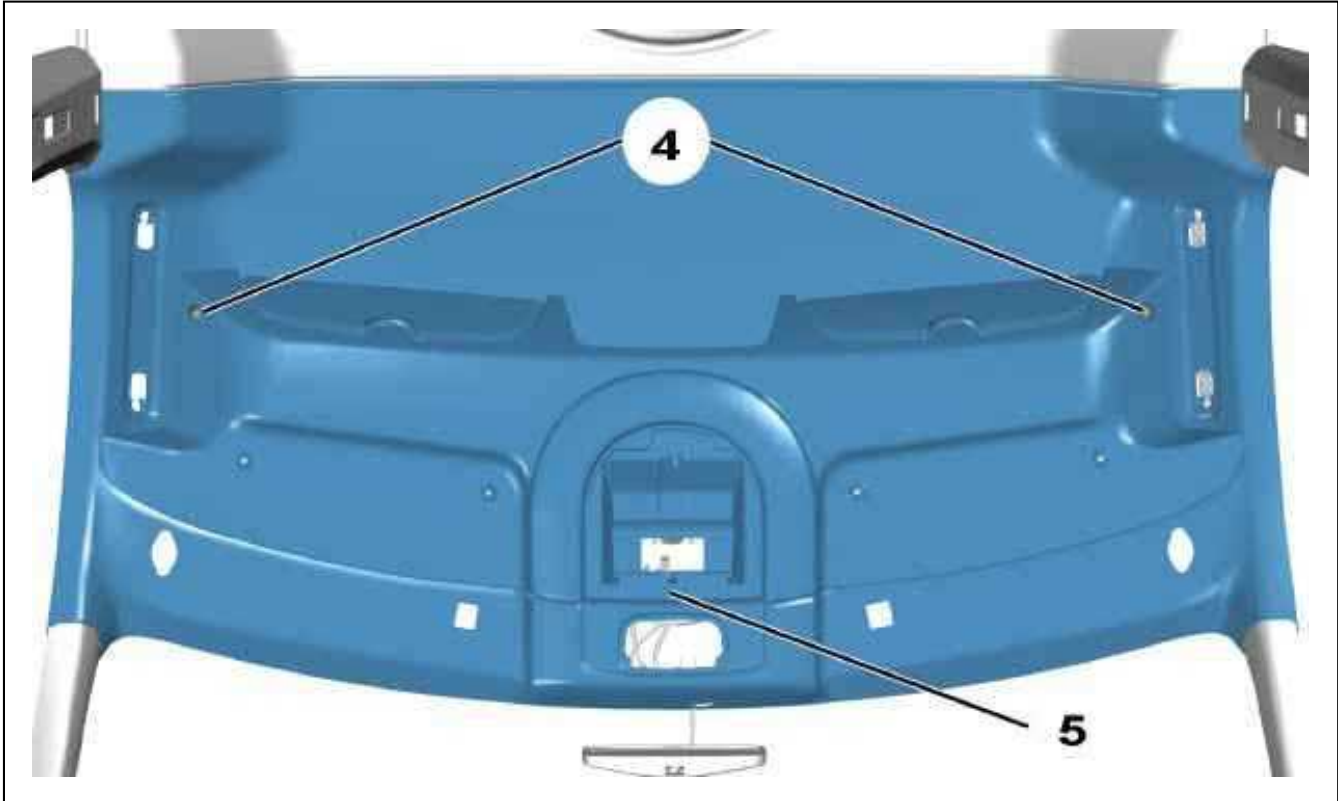


Figure : C5GP102D

Remove :

- The bolts (4)
- The headlining and overhead storage compartment assembly (5)

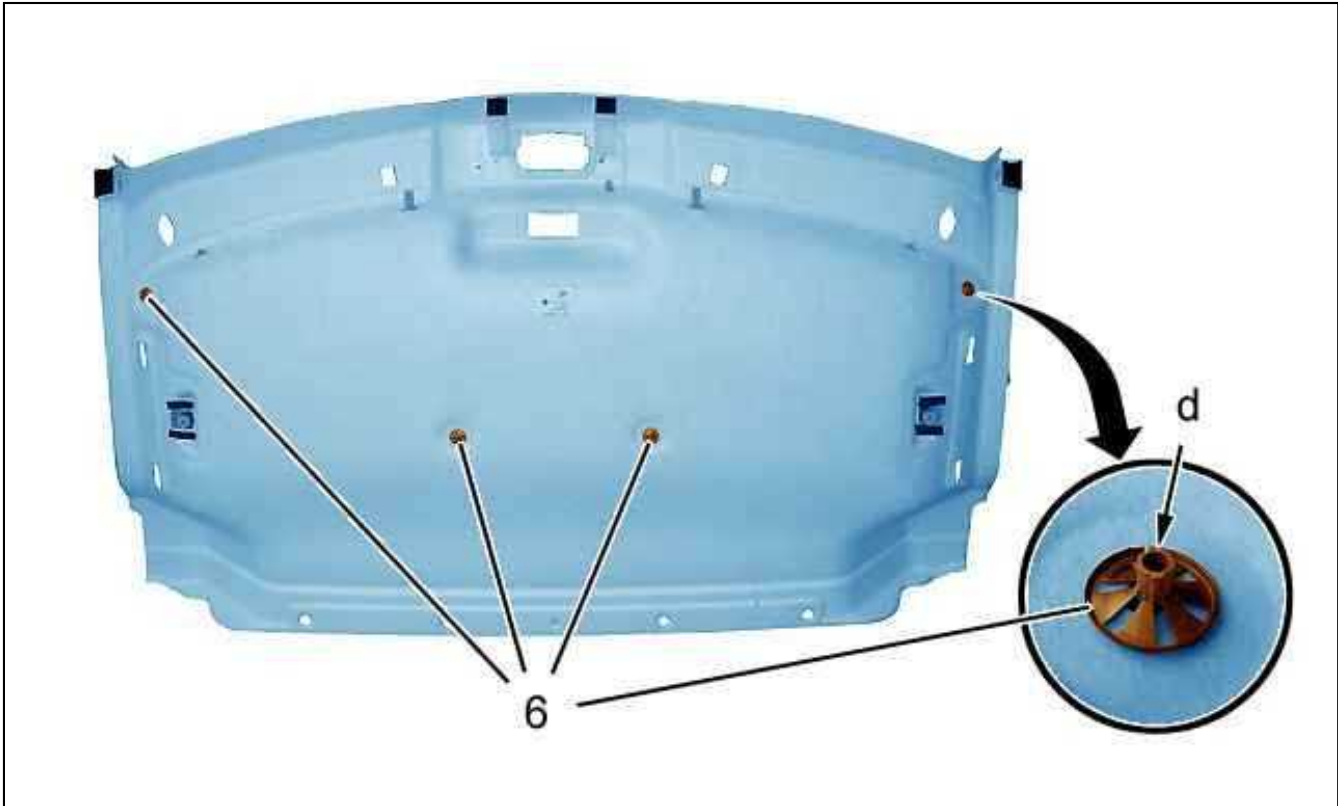


Figure : C5GP103D

Cut the locking clips (6) ; Using a cutter.

CAUTION : Do not damage the overhead storage compartment fixing shafts (at "d").

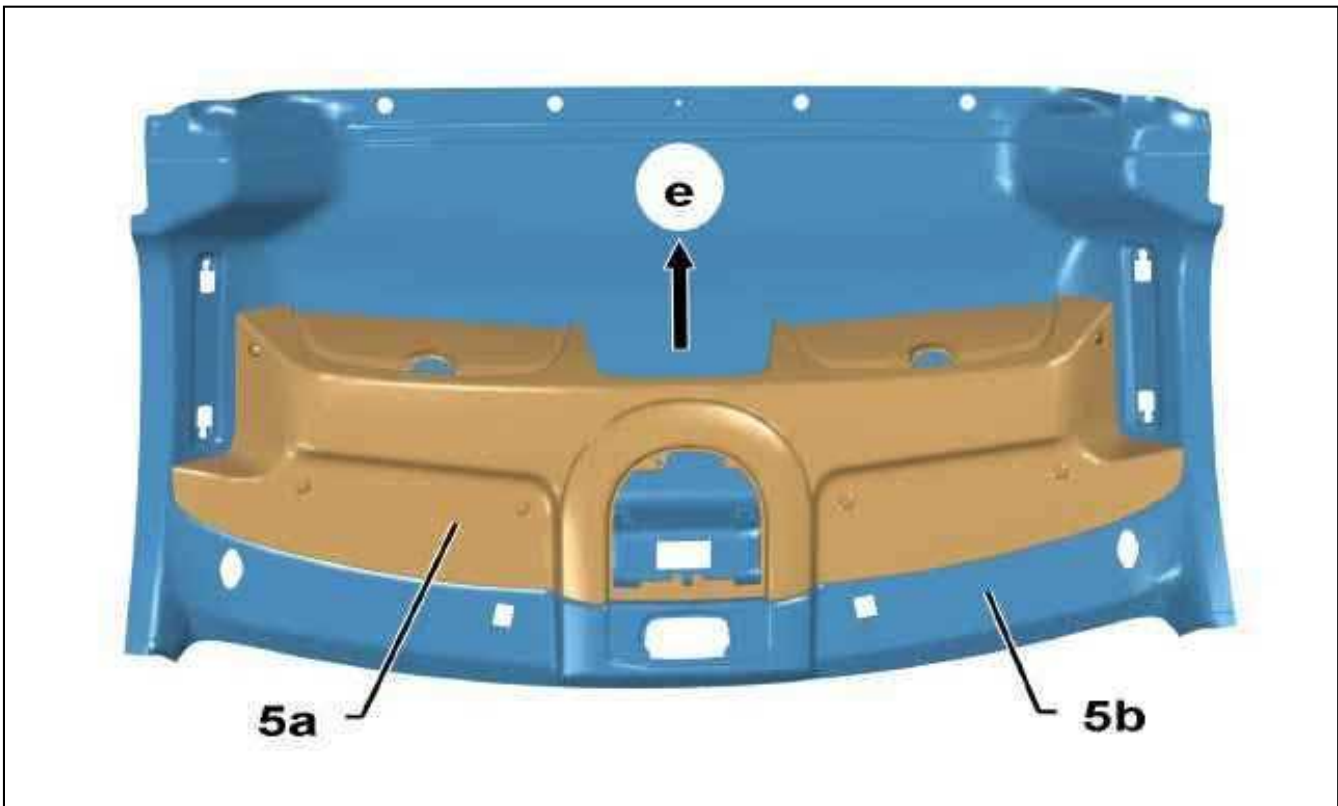


Figure : C5GP104D

Detach the overhead storage compartment (5a) (following the arrow "e").
Remove the front headlining (5b).

3. Refitting

CAUTION : Always replace the locking clips (6).

Fit the locking clips (6) (new).
Proceed in the reverse order to removal.
Tighten the bolts (3) to 0,2 daN.m.

CAUTION : Perform the operations that are required following a reconnection of the ancillaries battery.

Reconnect the ancillaries battery.
Check all the equipment works.

REMOVING - REFITTING : REAR HEADLINING

1. Recommended tools

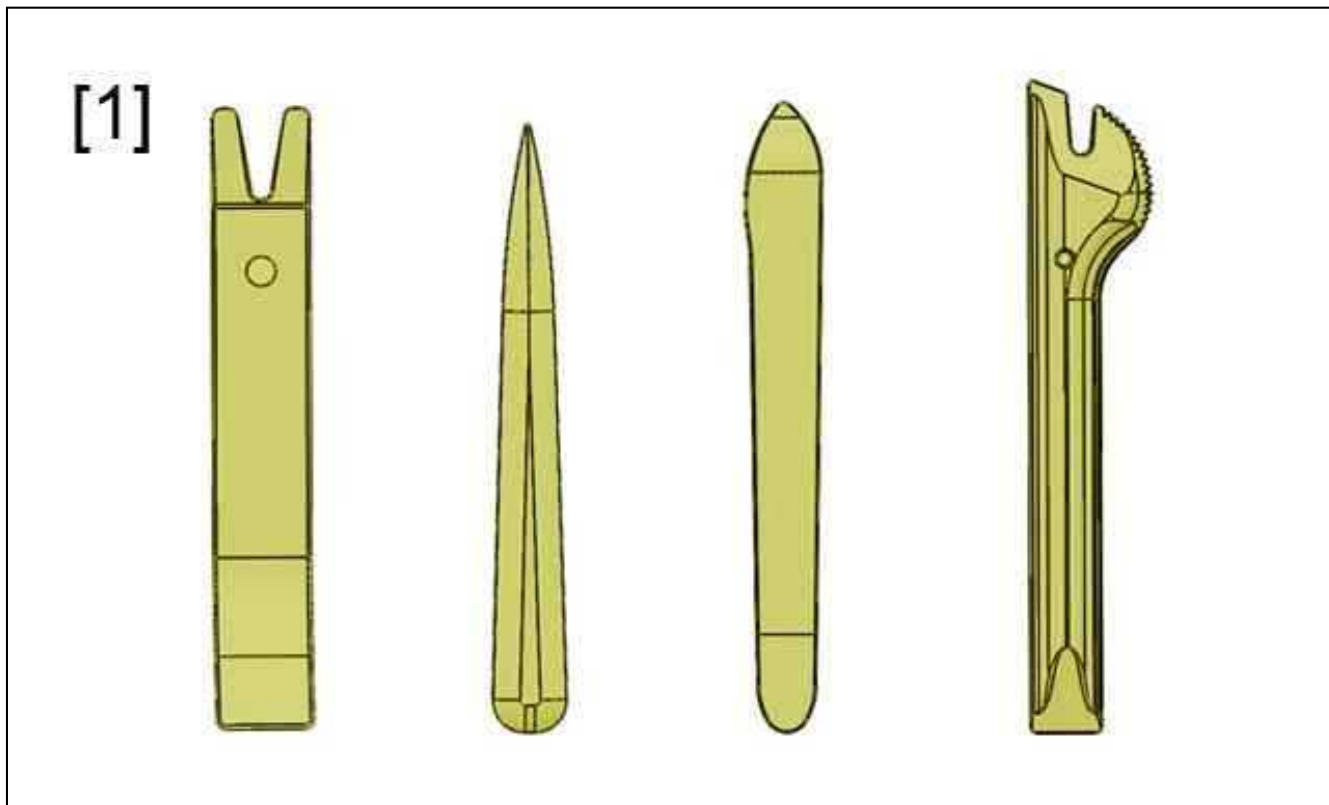


Figure : E5AP30WD

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

2. Removing

2.1. Combi version

Perform the following operations :

- Switch off the ignition
- Wait 3 minutes before disconnecting the battery
- Disconnect the battery

Dislodge (partly) (left and right hand sides) :

- The front door aperture seal
- The tailgate aperture seal (according to equipment)
- The hinged rear door aperture seal (according to equipment)

Remove (On both sides) :

- The door pillar upper trim ⓘ
- The rear wing trim ⓘ
- The quarter window surround ⓘ
- The rear pillar trim ⓘ

Remove the rear seats  (3 rd row ) (according to equipment) .

Tilt the rear seats forward  (2 rd row )

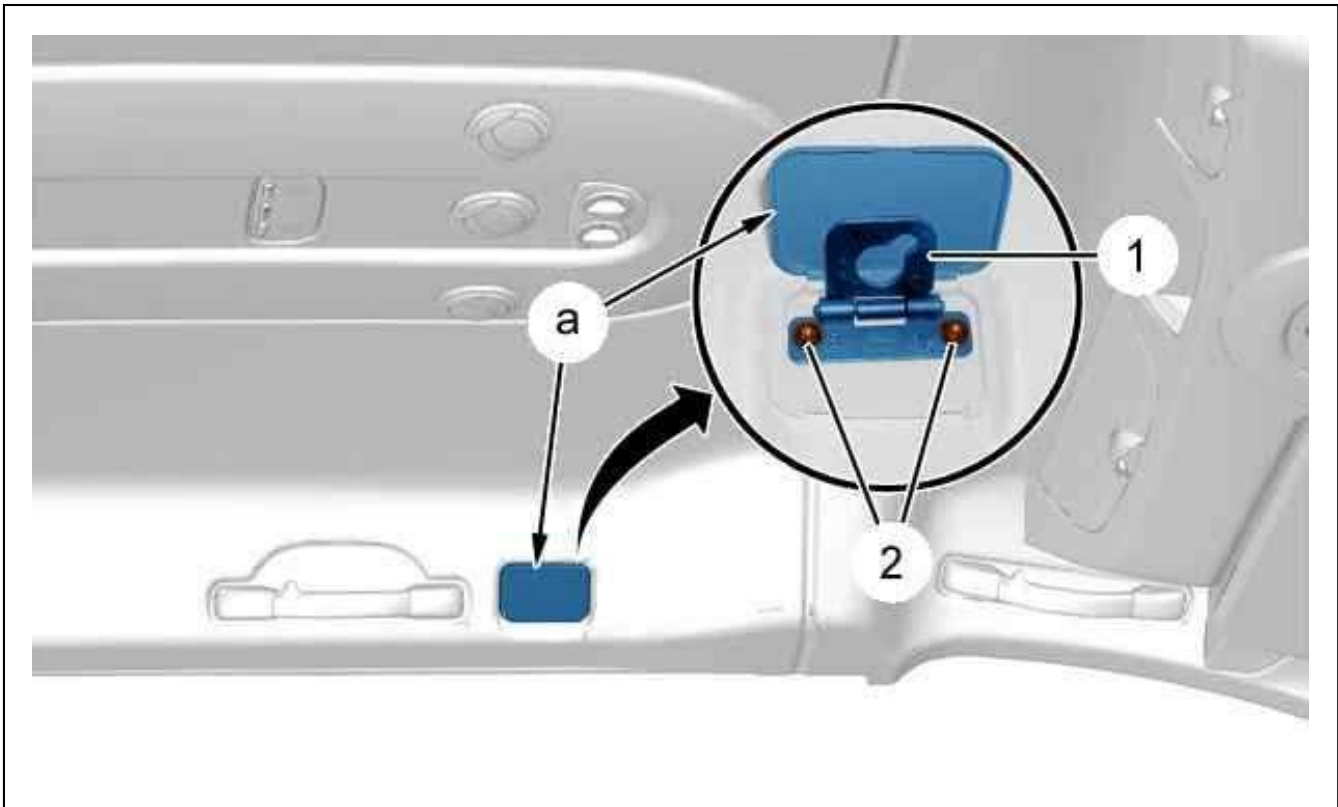


Figure : C5GP11AD

Open trim cover "a".

Remove :

- The bolts (2)
- The protective net fixing support (1)

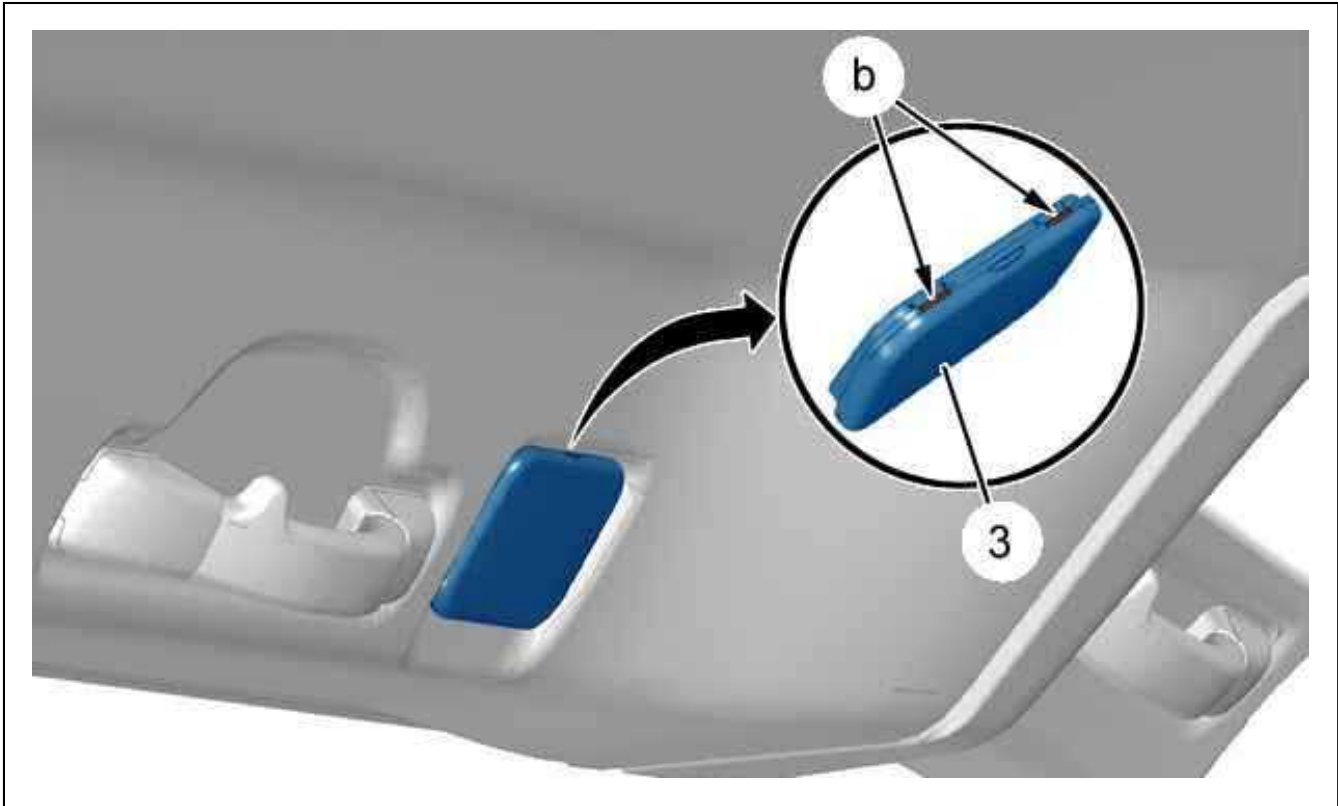
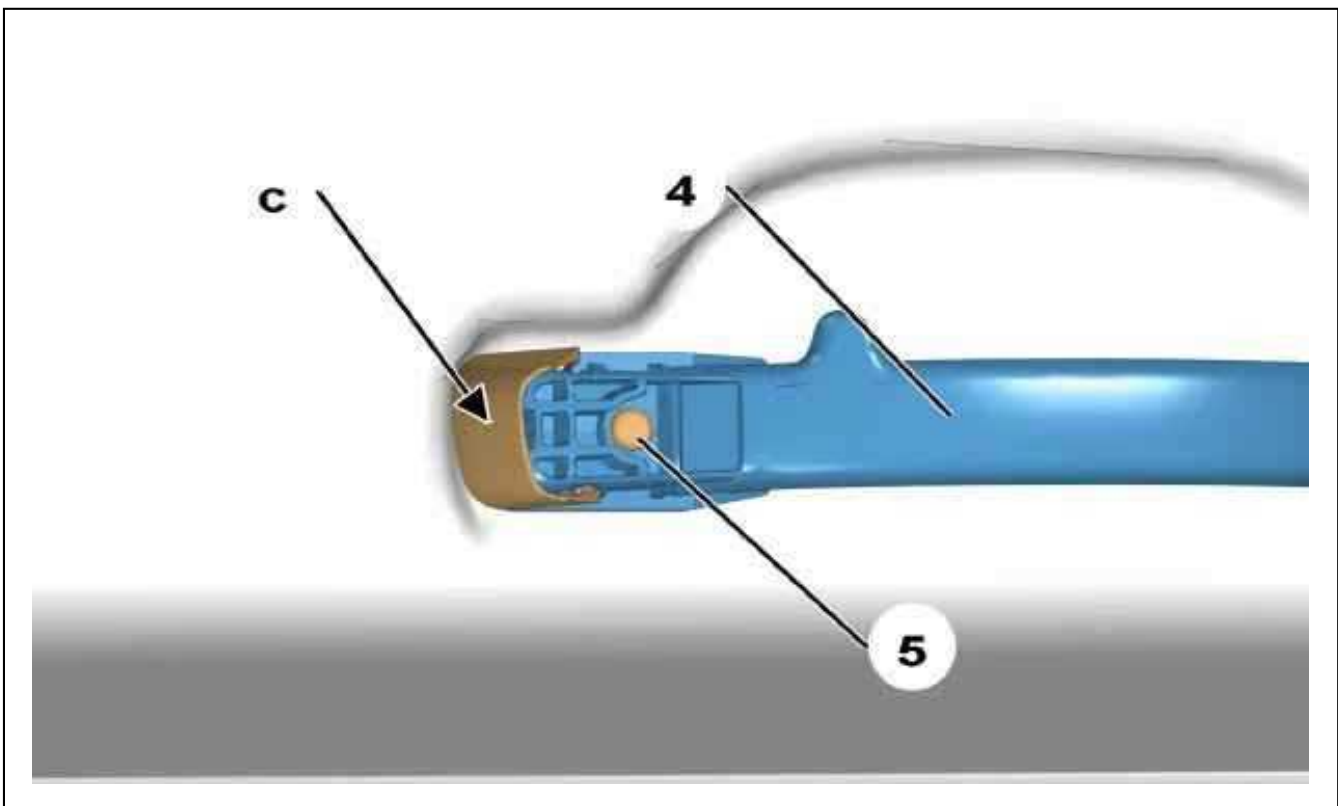


Figure : C5GP11BD

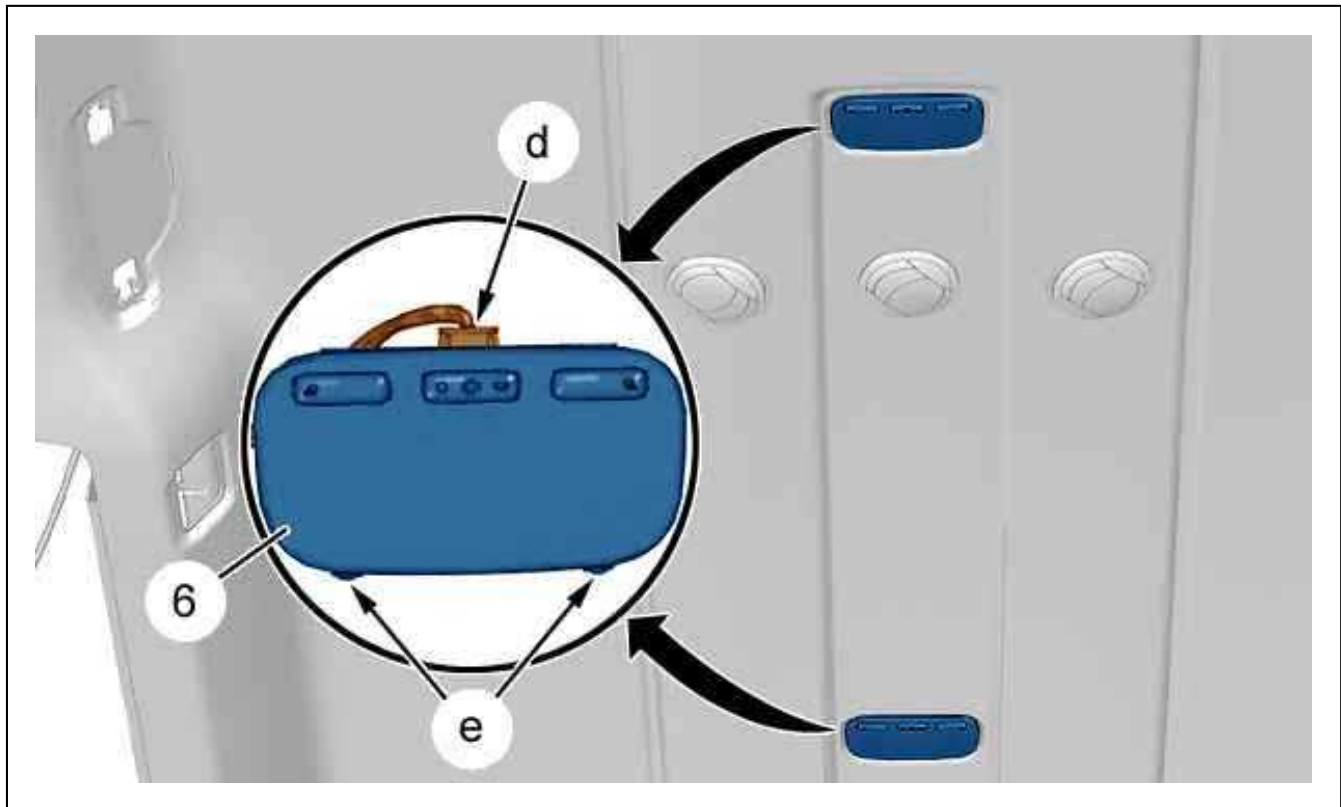
Unclip the protective net fixing housing (3) (as "b") ; Using tool [1].
Disengage and remove the protective net fixing housing (3).

N.B. : Proceed in the same way for the 3 other assemblies.



Unclip the hinged cover (as "c") : Using tool [1] (Symmetrical operation).
Remove bolts (5) (Symmetrical operation).
Remove the grab handle (4).

N.B. : Proceed in the same way for the other grab handles .



Unclip the roof lamp (6) (as "e") ; Using tool [1].
Disconnect the connector(s) (as "d") (According to equipment).
Remove the roof lamp (6).

N.B. : Proceed in the same way for the other roof lamp .

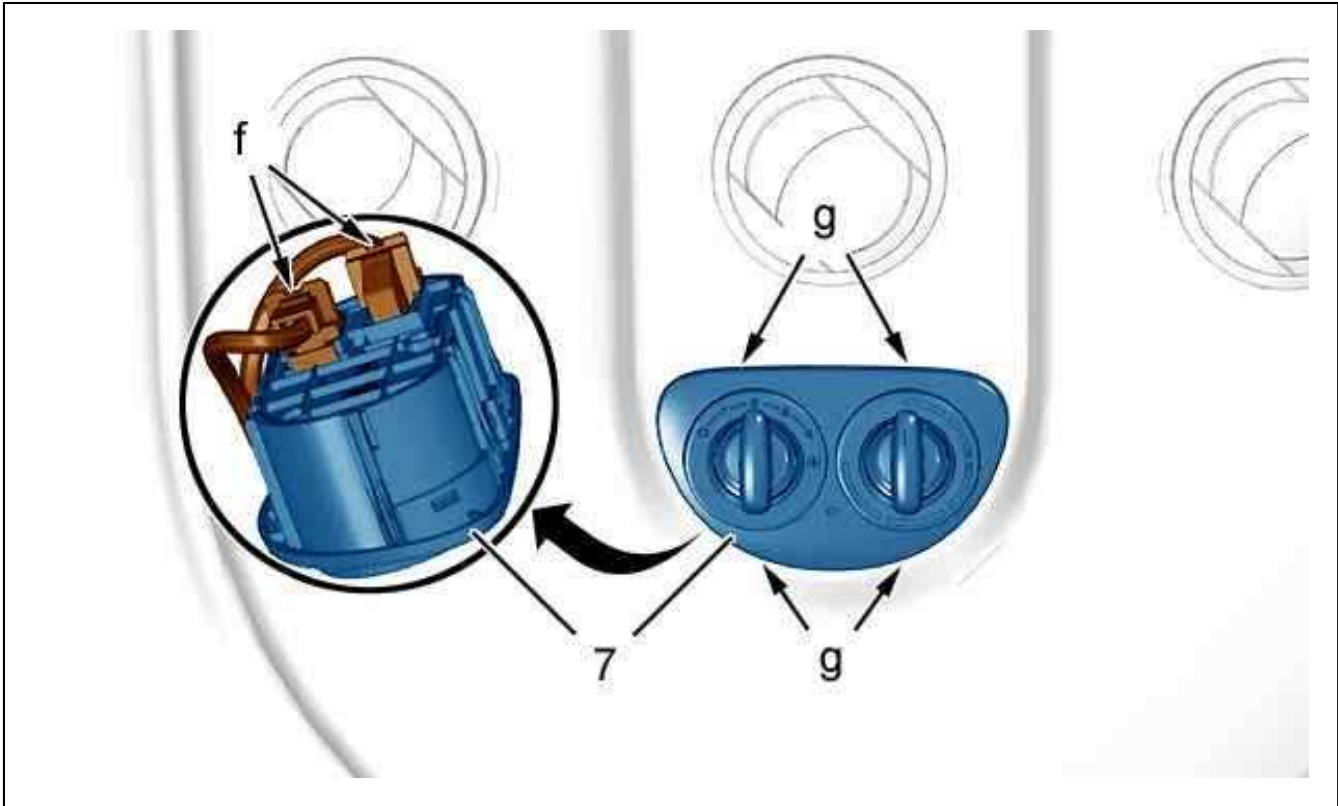


Figure : C5GP11ED

Unclip the rear air conditioning (7) control unit (as "g") ; Using tool [1].
Disconnect the connectors (as "f").
Remove the rear air conditioning (7) control unit .

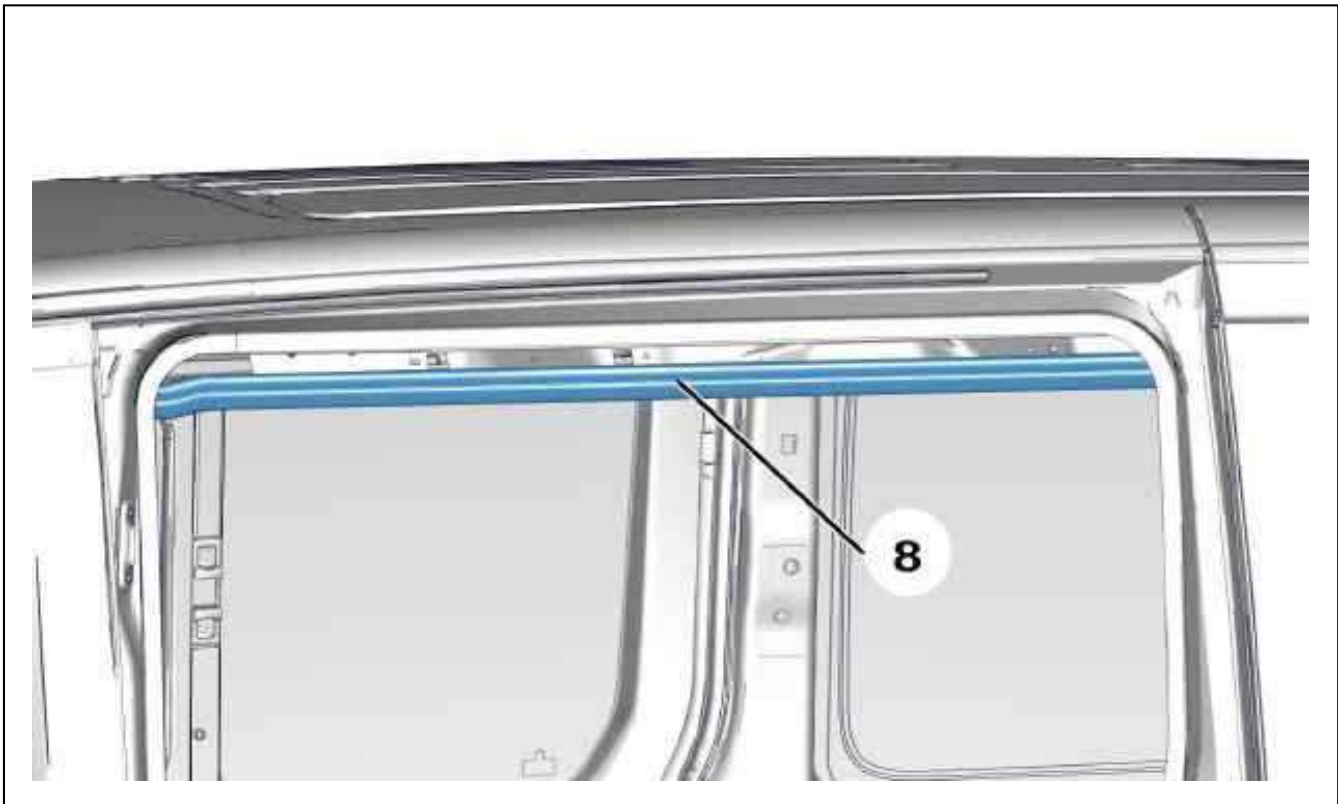


Figure : C5GP11FD

Remove the sliding door (8) rail seal (On both sides) ; Using tool [1].

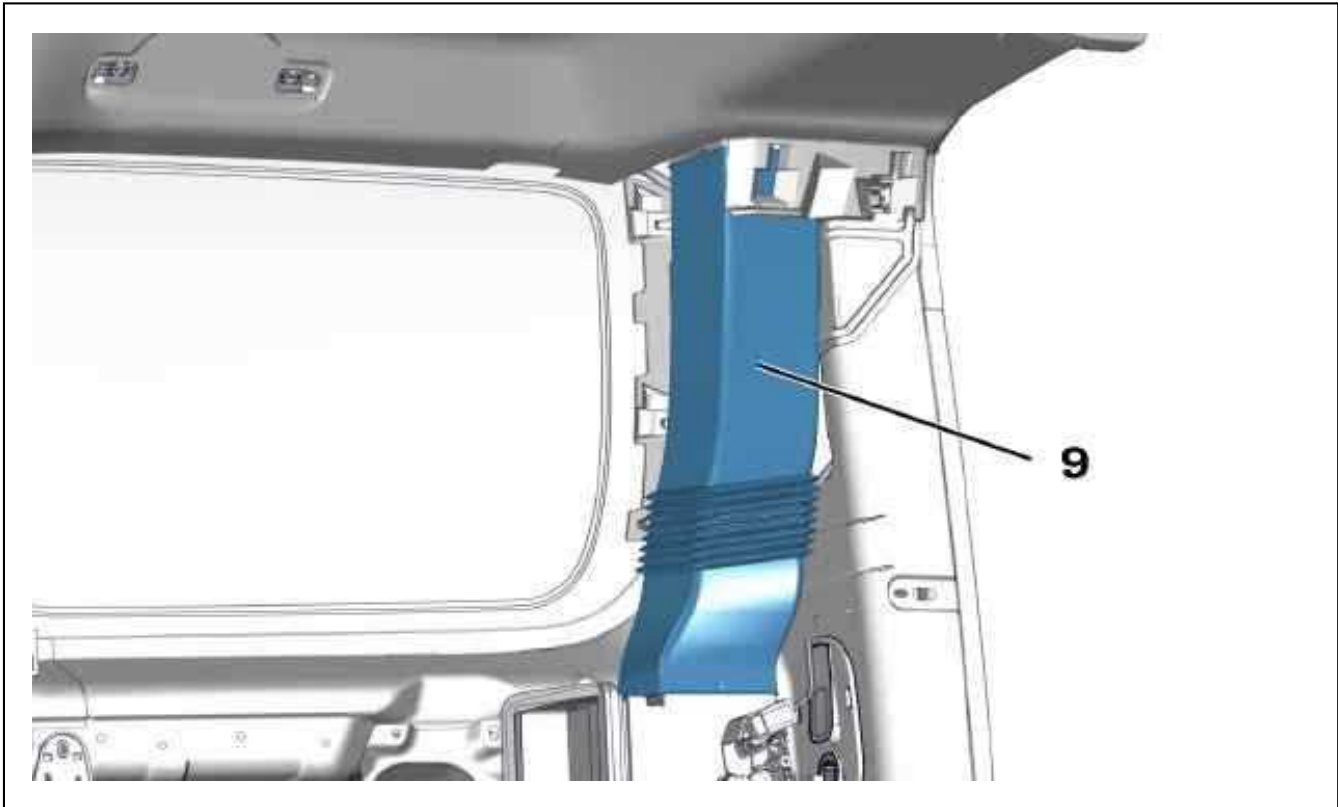


Figure : C5GP11GD

Remove the air conduit (9).

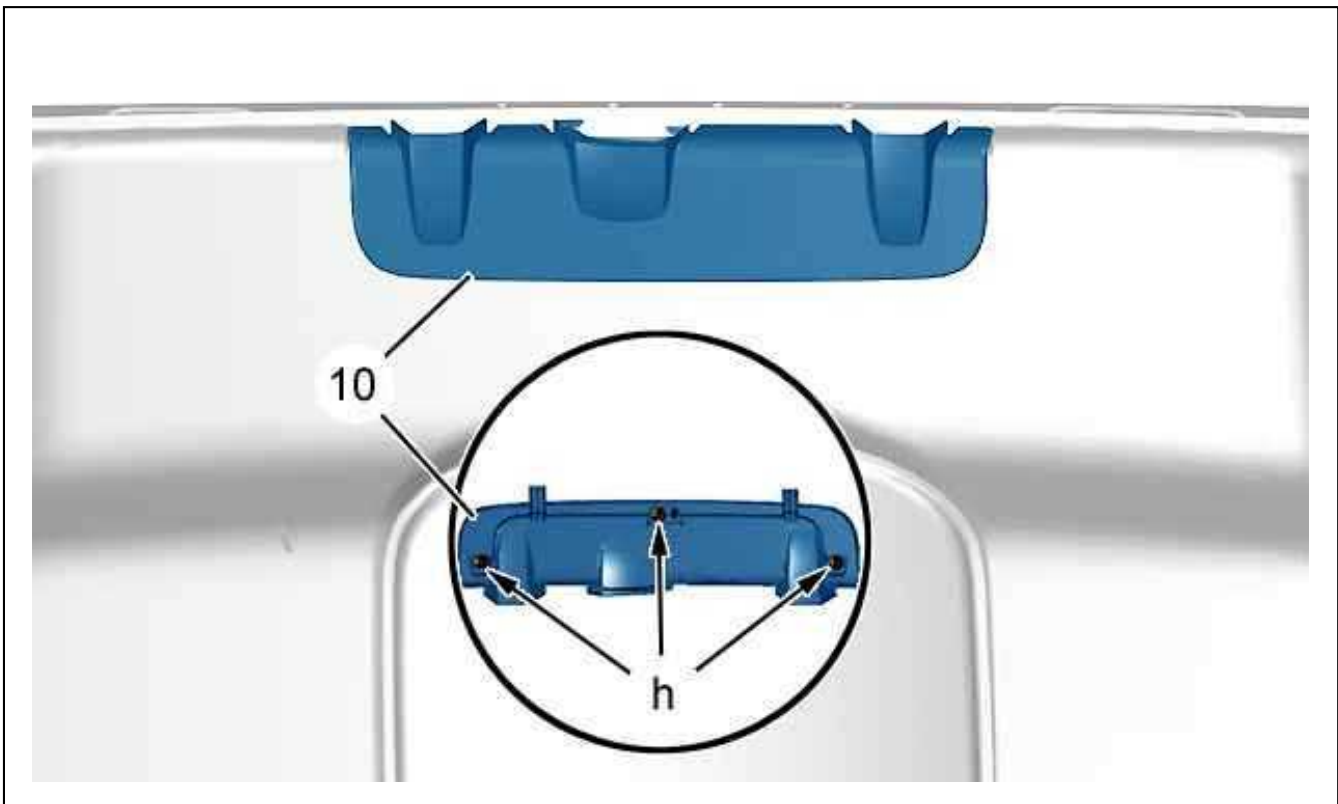


Figure : C5GP11HD

Unclip the cover (10) clips (as "h") ; Using tool [1].
Remove the cover (10).

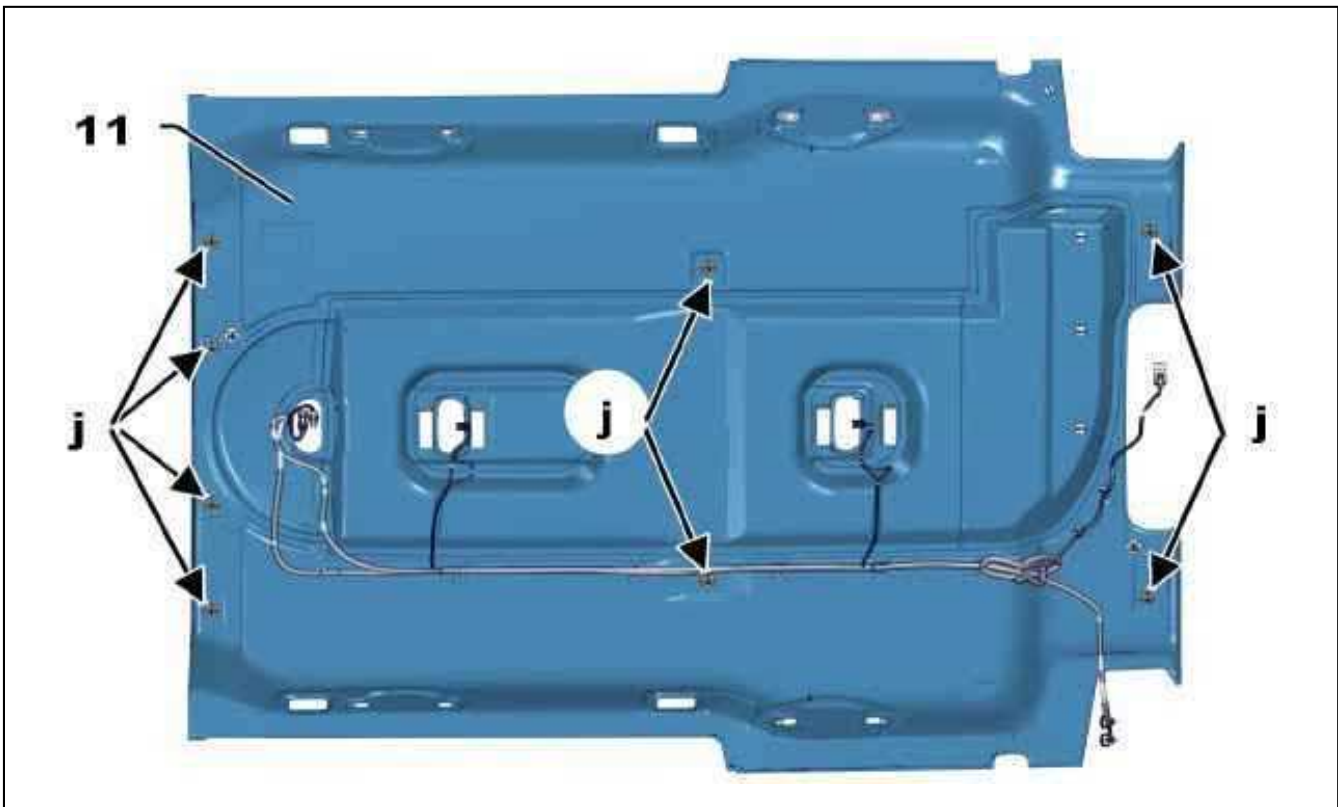


Figure : C5GP11JD

Unclip the rear headlining (11) clips (at "j").
Disengage the rear headlining (11).

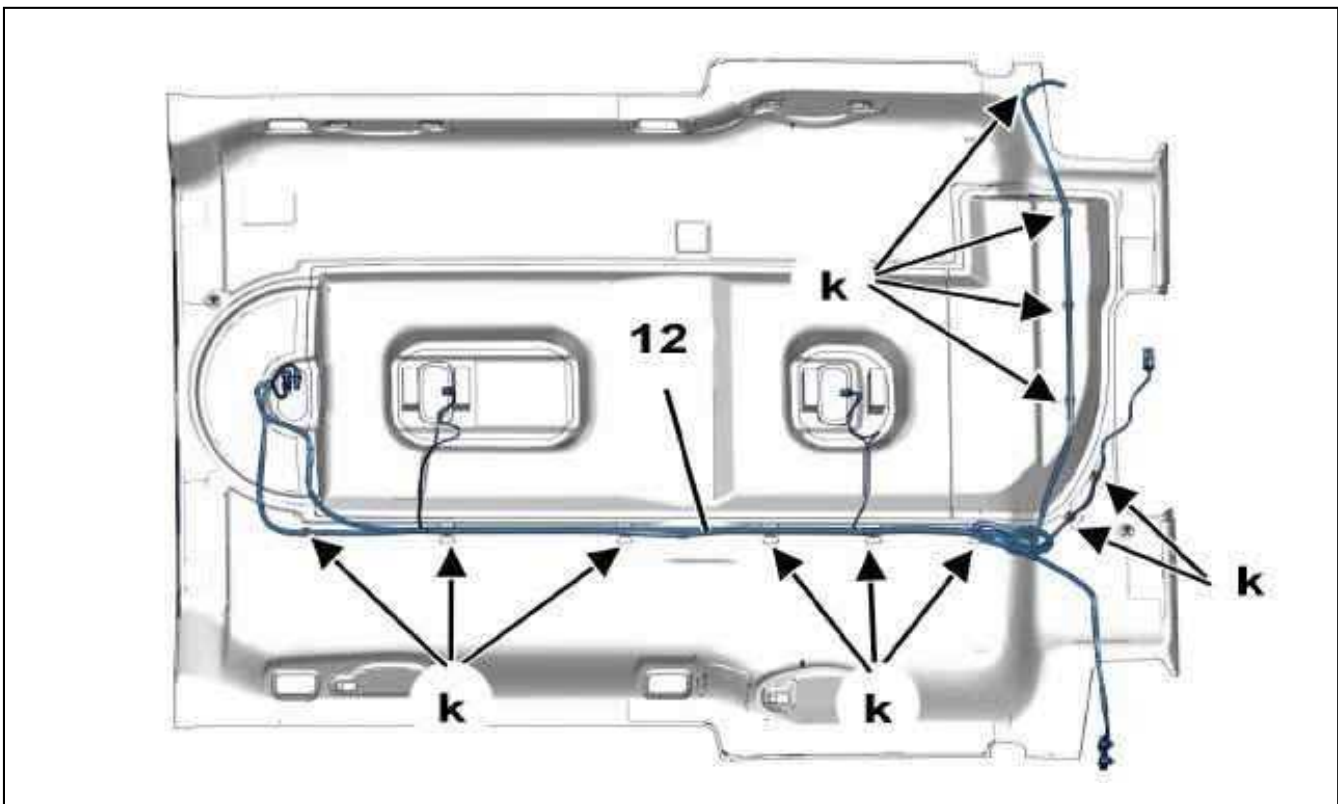


Figure : C5GP11KD

Unclip the rear headlining electrical harness (12) clips (as "k").
Disengage the rear headlining electrical harness (12).

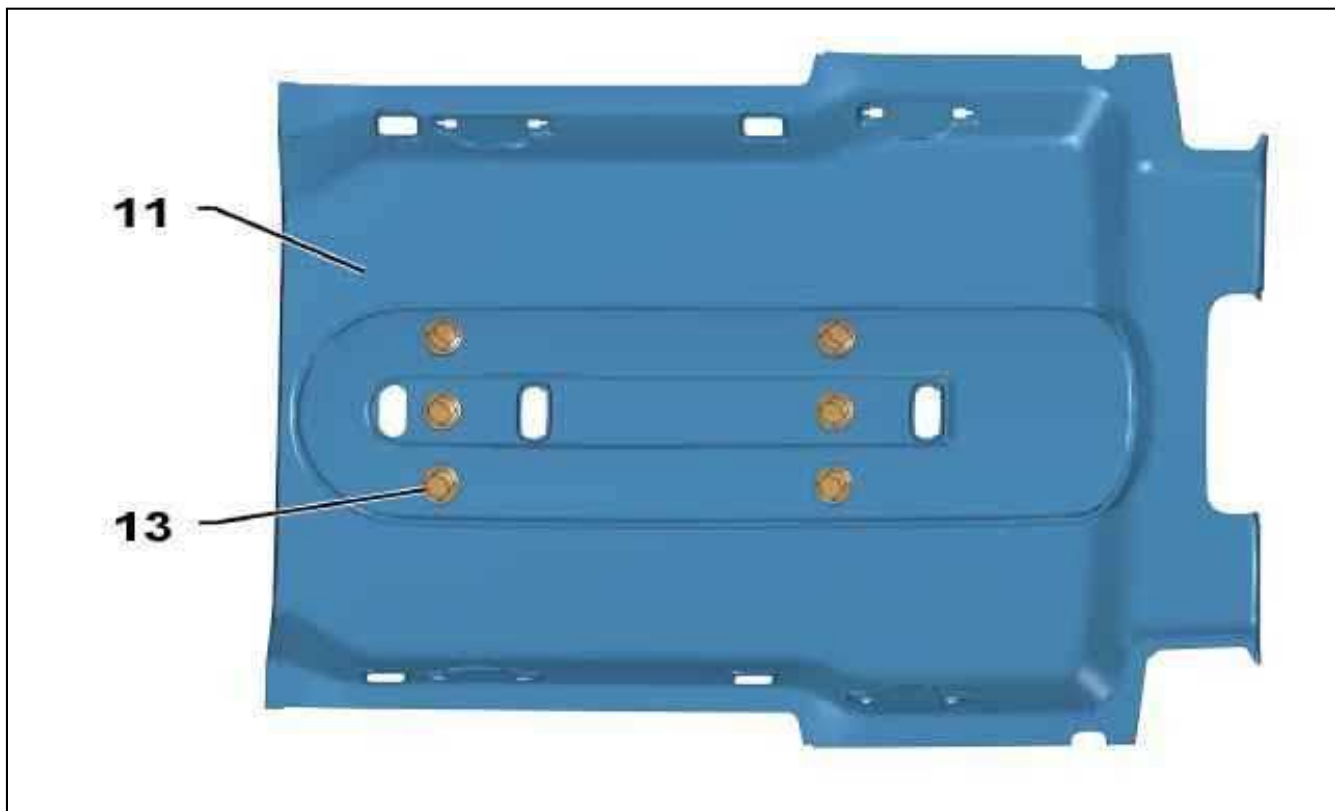


Figure : C5GP11LD

Remove the rear headlining assembly (11) with the air vents (13).

N.B. : Operation requiring two people.

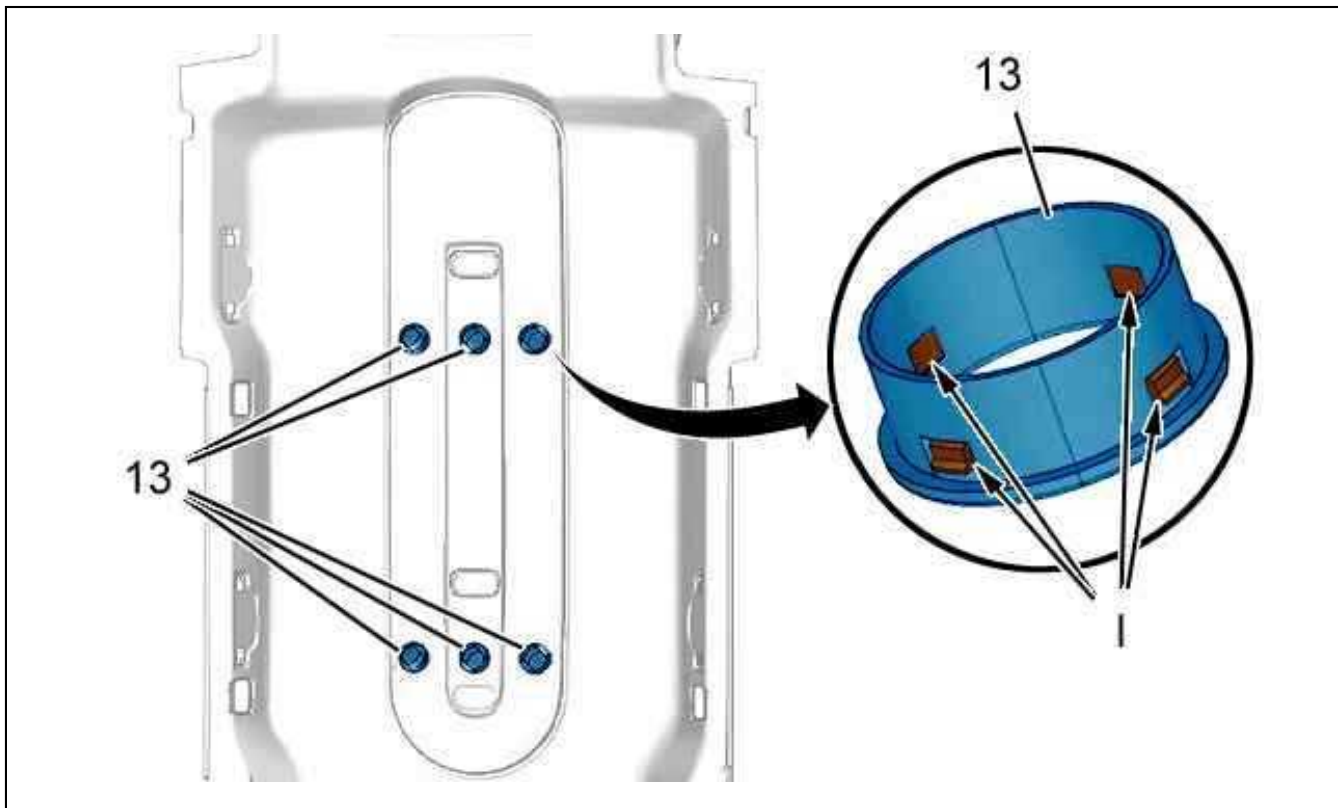


Figure : C5GP11MD

Unclip the air vent (13) (as "I") ; Using tool [1].

Remove the air vent (13).

N.B. : Proceed in the same way for the other vents .

2.2. Utility version

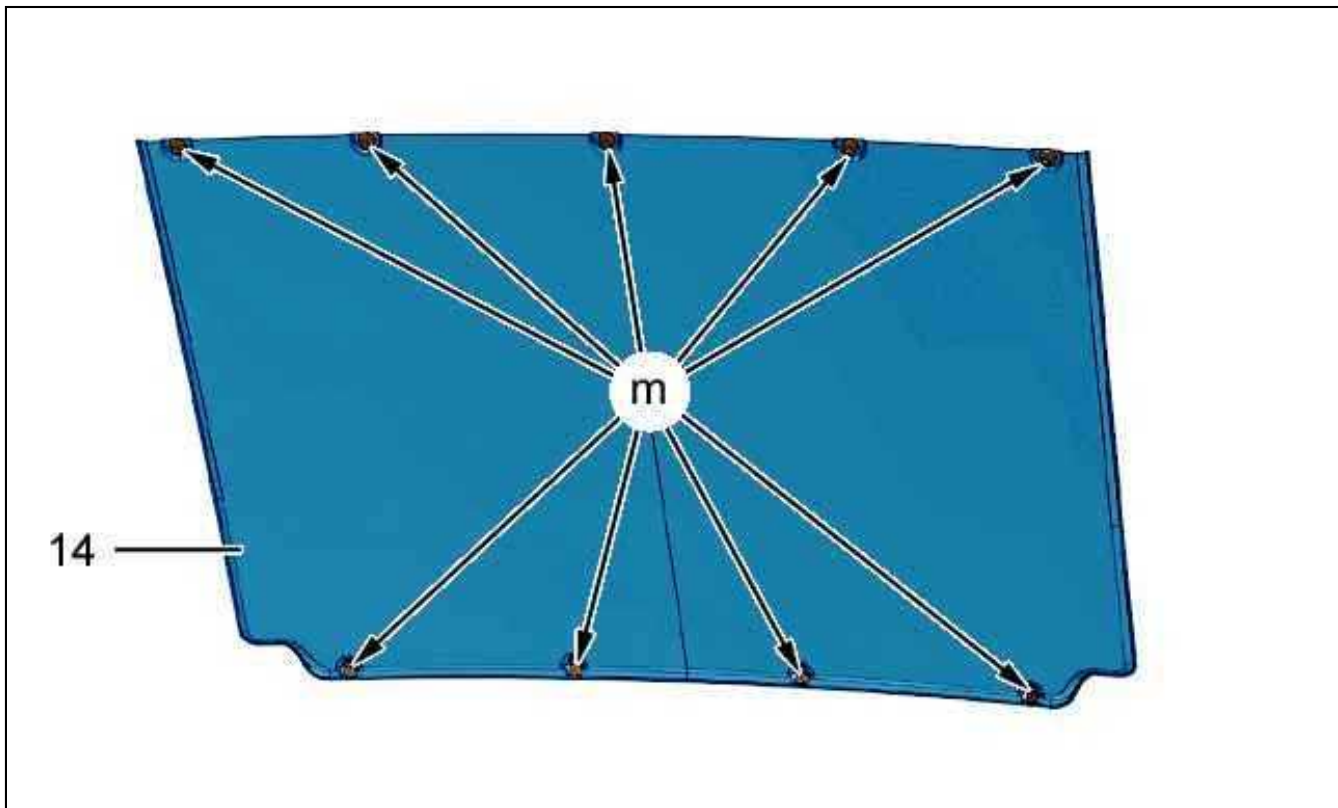


Figure : C5GP11ND

Unclip the rear headlining (14) clips (as "m") (*) ; Using tool [1].

Remove the rear headlining (14) (*).

N.B. : (*) According to equipment.

3. Refitting

CAUTION : Always replace the clips (as "h", "j", "m").

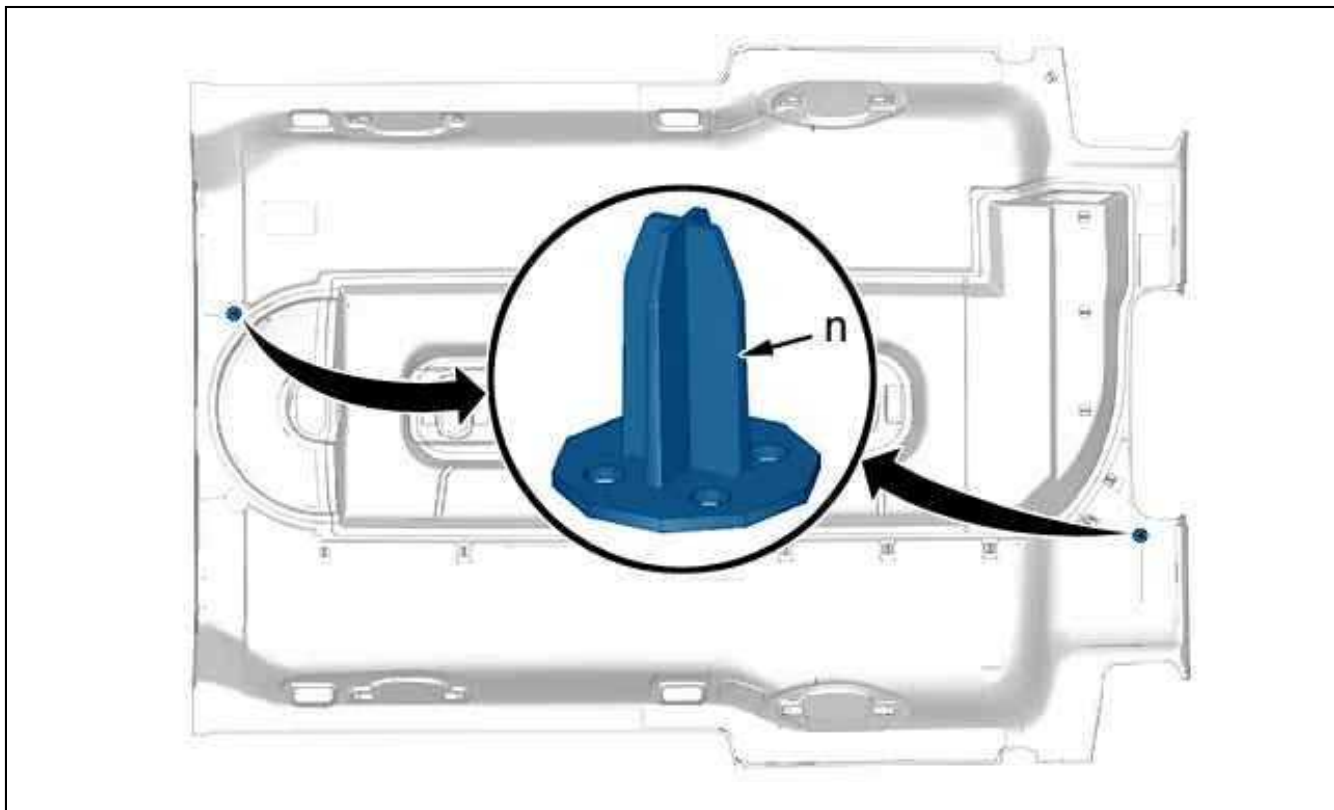


Figure : C5GP11PD

Position the rear headlining using the centring pins "n".

Proceed in the reverse order to removal.

Tighten :

- Screw (2) to $0,5 \pm 0,1$ daNm
- Screw (5) to $0,2 \pm 0,1$ daNm

Reconnect the battery.

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

Check all the equipment works.

REMOVING - REFITTING : DRIVER'S AIRBAG

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

ESSENTIAL : Apply the airbag safety procedures ⓘ .

ESSENTIAL : Apply the procedure for switching off the central airbag system ⓘ .

CAUTION : Unlock and disconnect the connectors ; When connecting, ensure that the harnesses are correctly routed and clipped correctly.

CAUTION : The connectors must be disconnected without exerting any stress on the harnesses and the connectors (No pulling of the harnesses is permitted).

1. Removing

N.B. : Wait 10 minutes in the case of abnormal operation of the airbag warning lamp.

Disconnect the battery ⓘ .

1.1. Steering wheel with 4 spokes

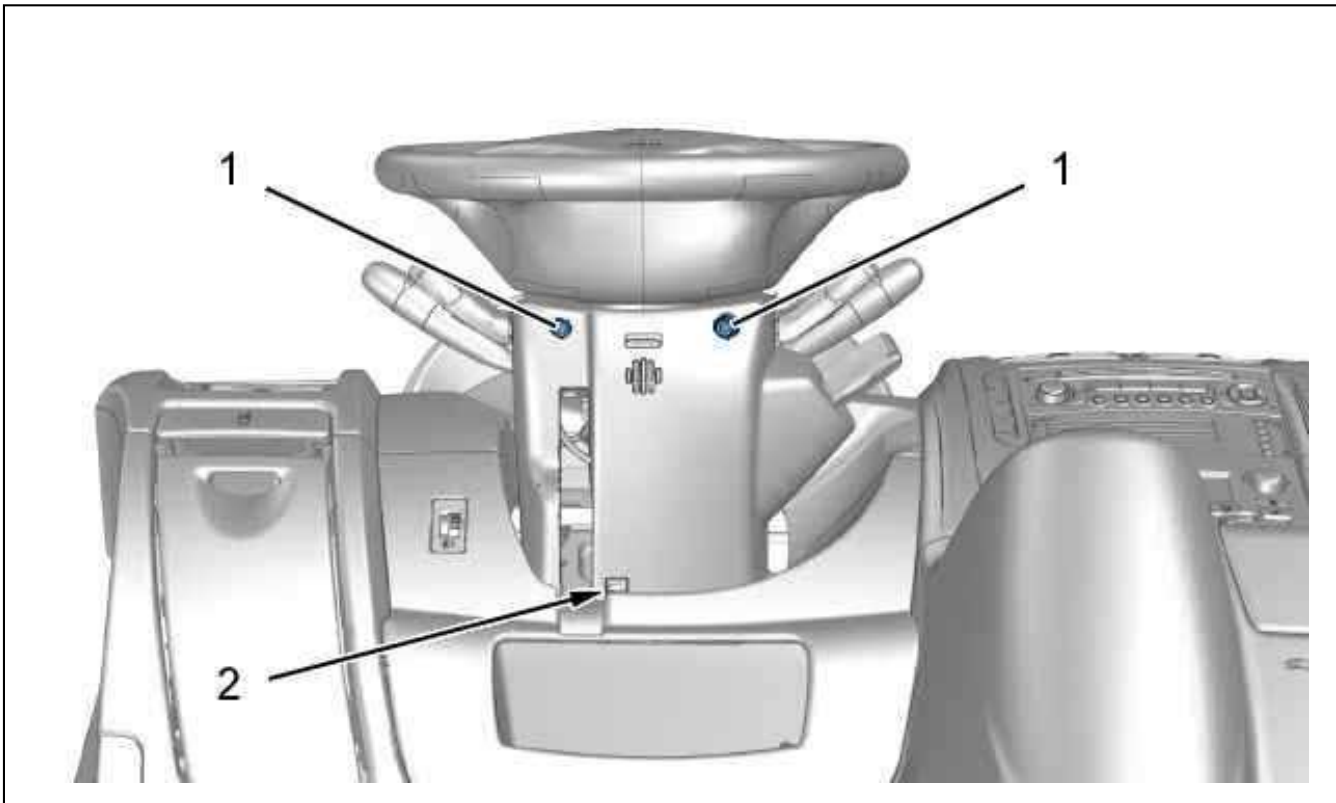


Figure : C5JG0YMD

Remove :

- The bolts (1)
- The (2) bolt (depending on the version)

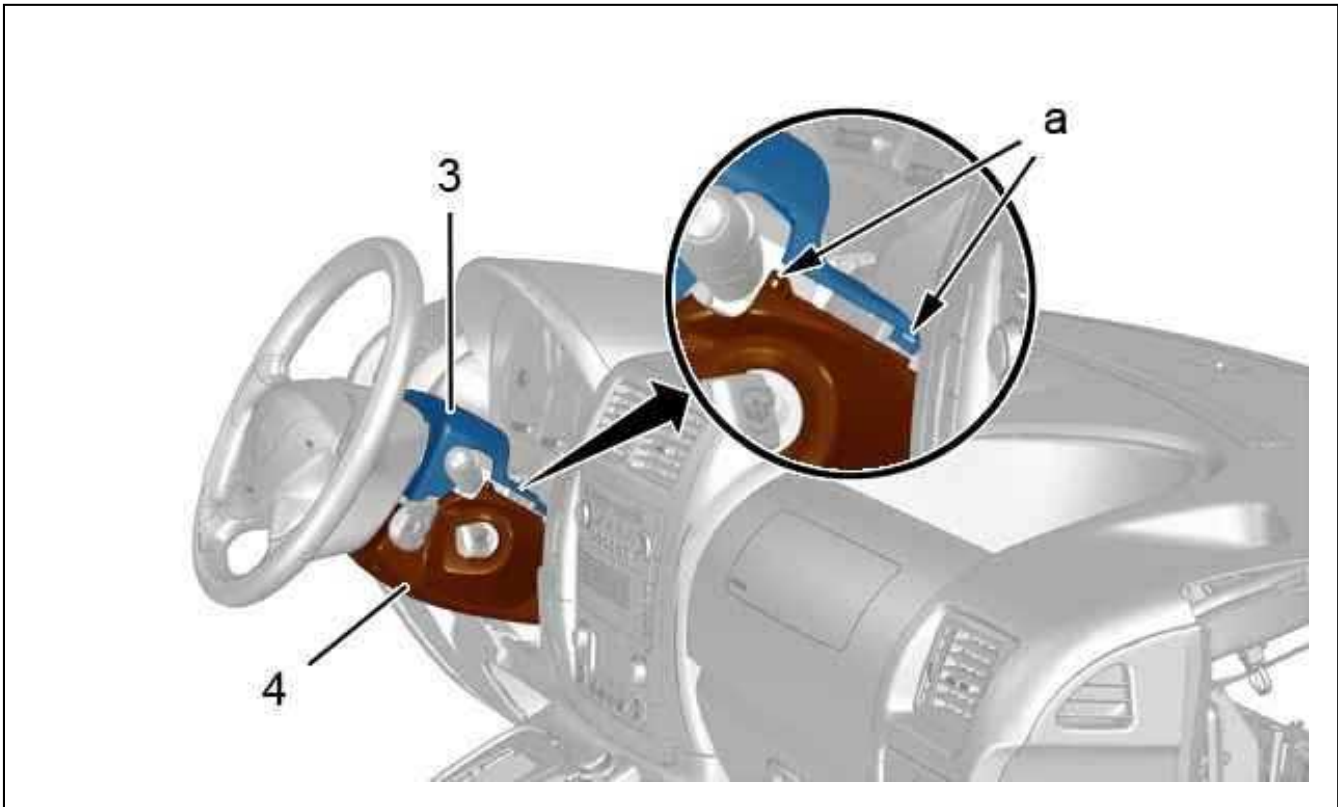


Figure : C5FP19UD

Unclip the steering column upper half cowl (3) (at "a") (on each side).
Remove the steering column lower half cowl (4).

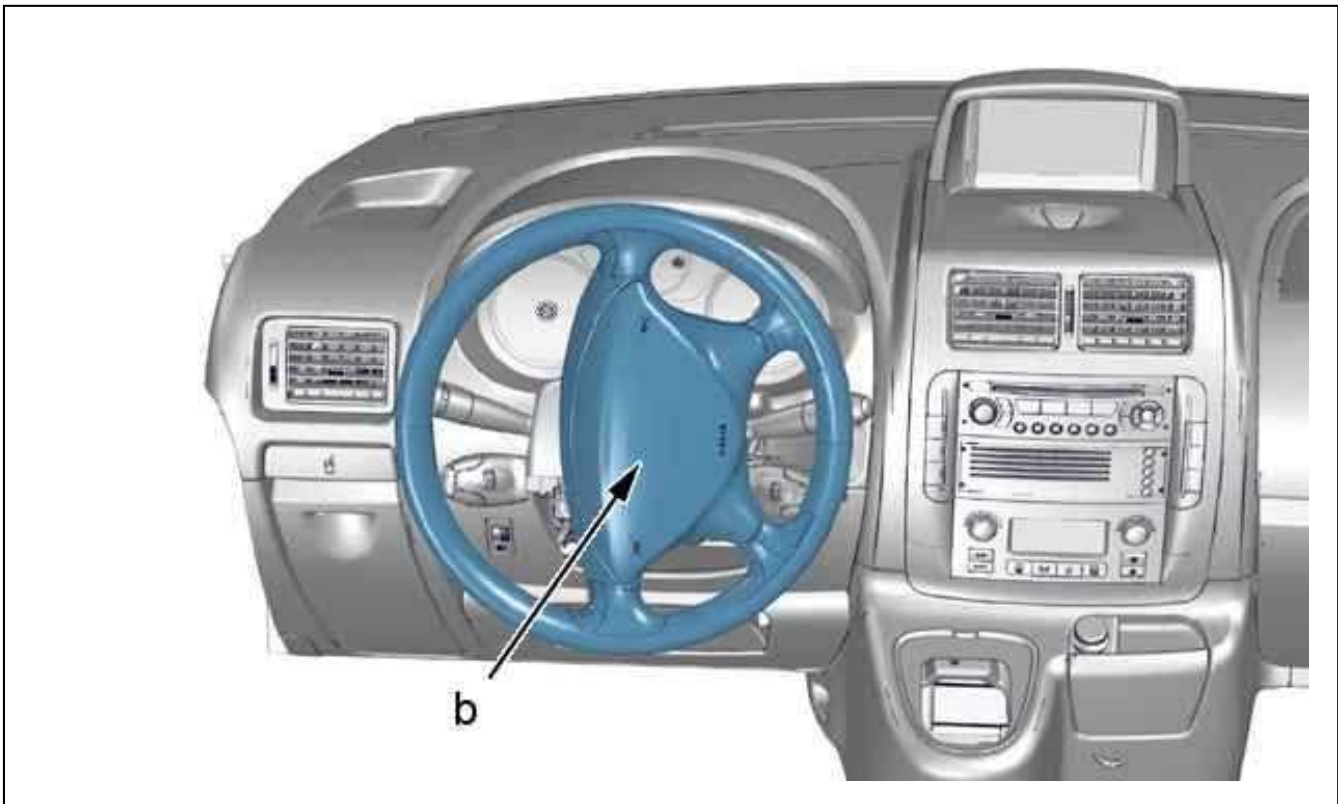


Figure : C5FP19VD

Bring the steering wheel into the vertical position (at "b").

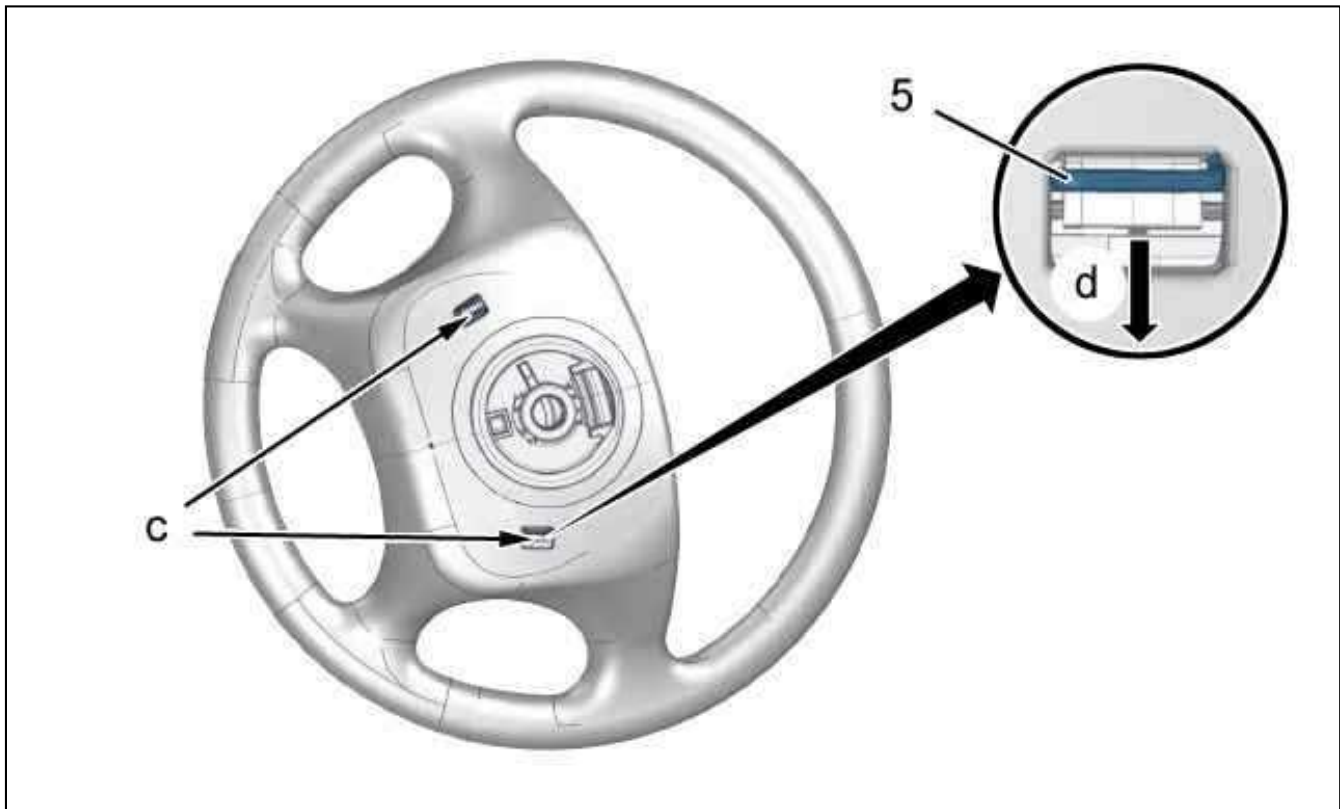


Figure : C5JG0YND

Engage a flat screwdriver in the holes located at the rear of the steering wheel (at "c").
Detach the airbag clip in the direction of the arrow (5) (at "d").
Repeat this operation the other side of the steering wheel.

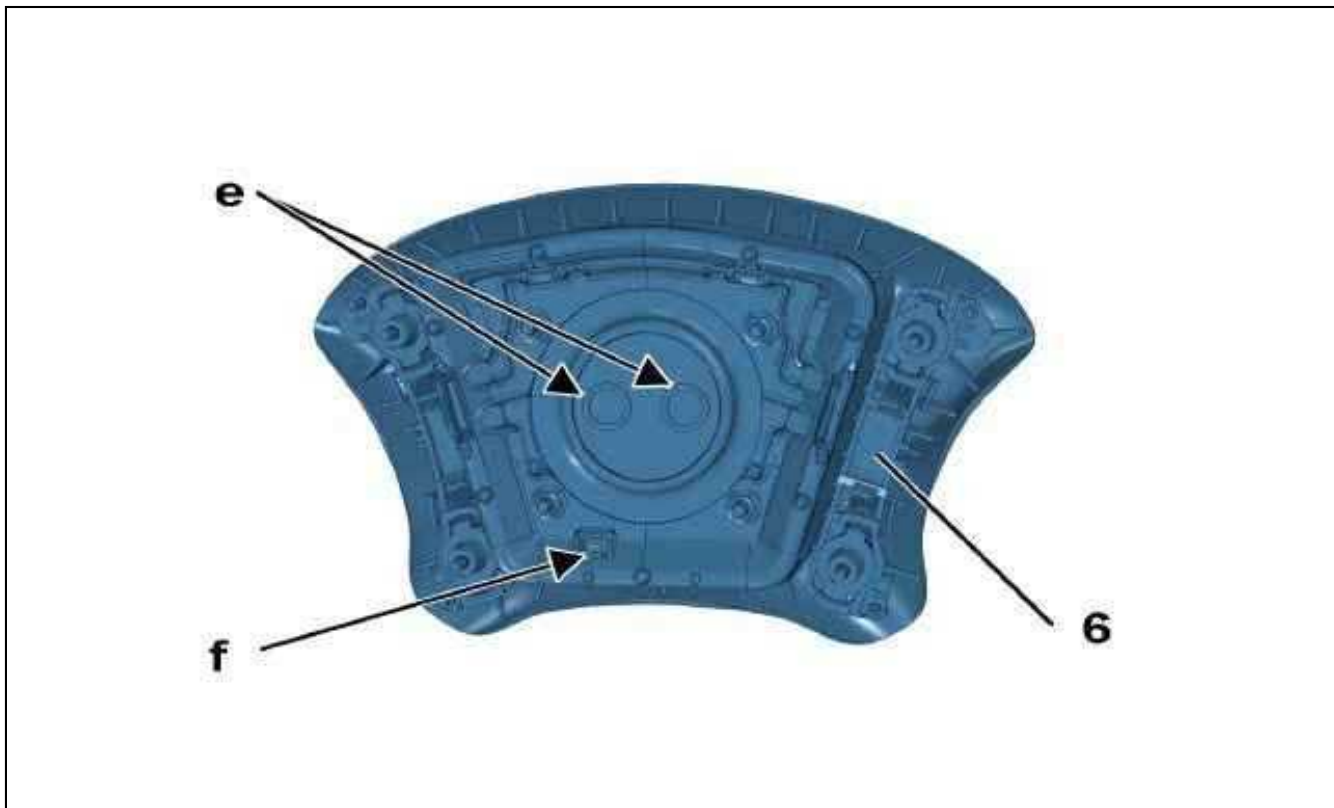


Figure : C5JP0HWD

Detach : The driver's air bag (6).

ESSENTIAL : When removing an airbag, disconnect the supply connector first.

Unplug :

- The connectors (en "e") (depending on the version)
- The earth (at "f")

Remove : The driver's airbag module (6).

ESSENTIAL : Apply the procedure for destruction of the pyrotechnic components ⓘ .

ESSENTIAL : Apply the procedure for replacing the pyrotechnic components , after triggering the airbags and the seat belts ⓘ .

1.2. Steering wheel with 3 spokes

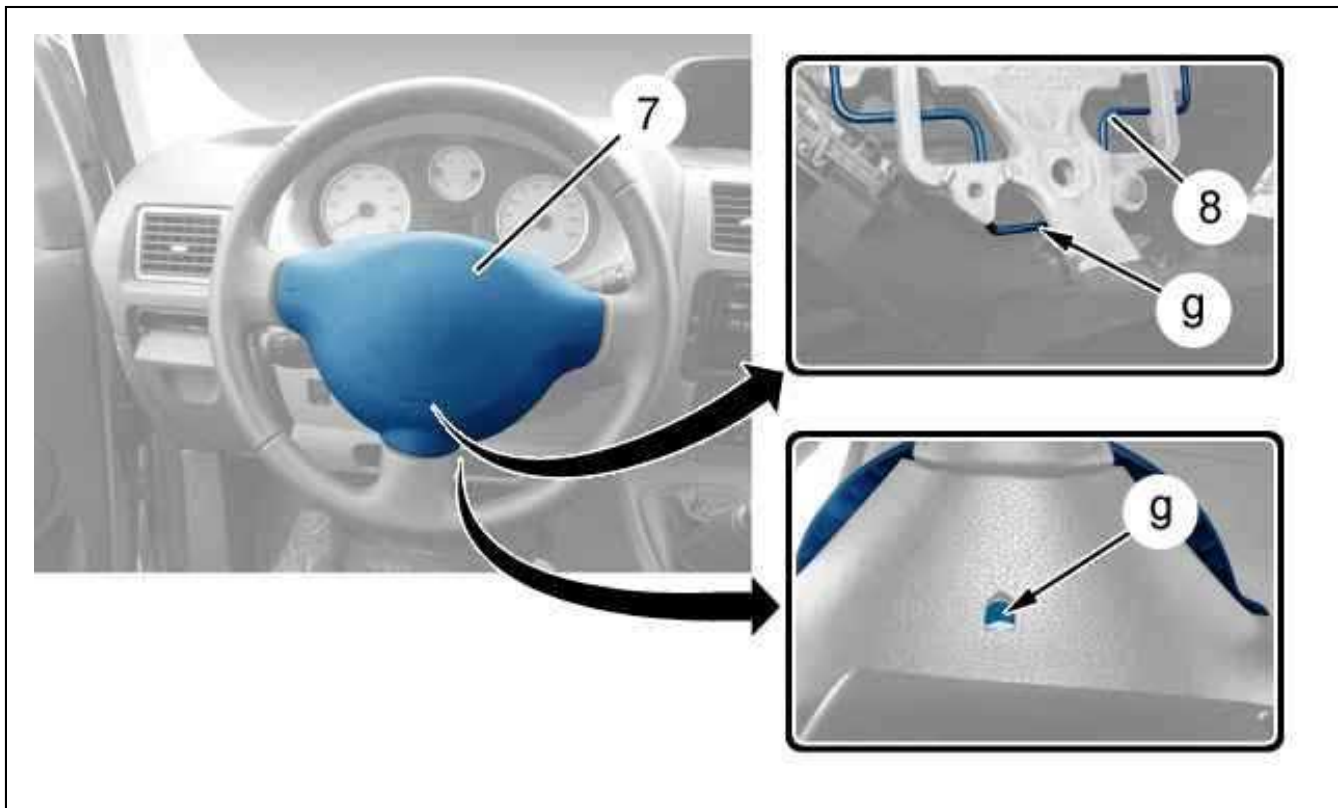


Figure : C5JG0YOD

N.B. : Removing the driver's airbag is done via the hole (at "g").

Engage a pin punch (6 mm diameter) in the opening (at "g").

Compress the retaining spring (8) ; Using a pin drift.

Detach the driver's airbag (7).

Detach : The driver's air bag (7).

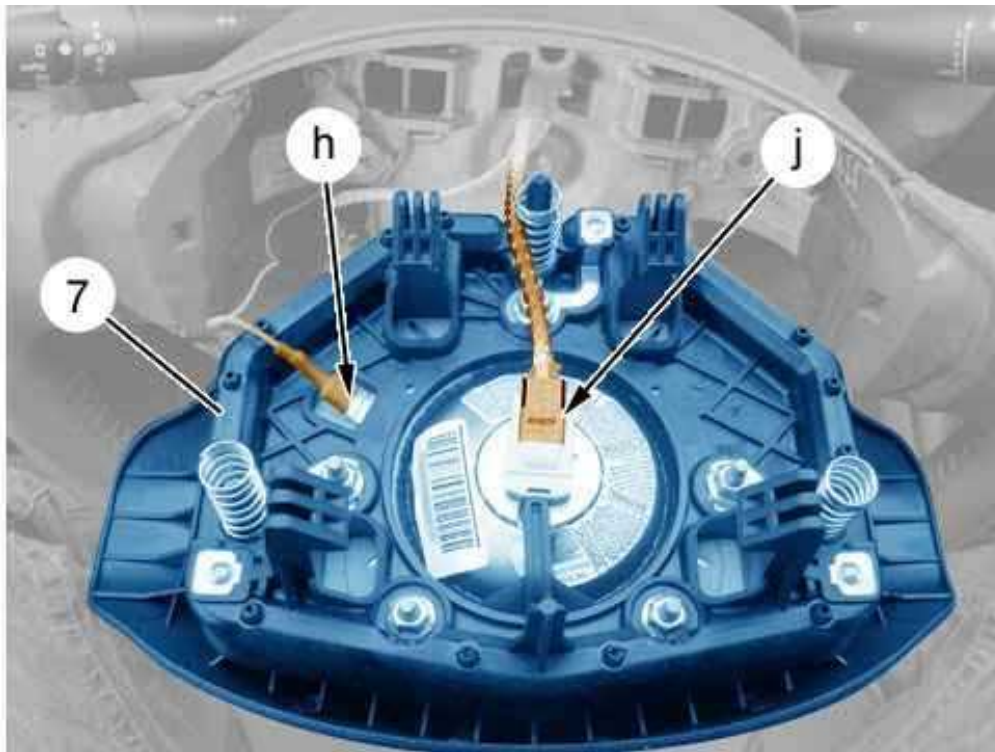


Figure : C5JG0YPD

ESSENTIAL : When removing an airbag, disconnect the supply connector first.

Unplug :

- The connector (at "j") (depending on the version)
- The earth (at "h")

Remove the driver's air bag (7).

ESSENTIAL : Apply the procedure for destruction of the pyrotechnic components ⓘ .

ESSENTIAL : Apply the procedure for replacing the pyrotechnic components , after triggering the airbags and the seat belts ⓘ .

2. Refitting

ESSENTIAL : When refitting an airbag, connect the earth connector first.

Proceed in the reverse order to removal.

CAUTION : Check, before refitting the driver's air bag module , that the connectors are locked correctly on the ignitor module.

ESSENTIAL : Apply the procedure for switching on the central airbag system ⓘ .

Check the operation of the airbag warning lamp in the instrument panel.

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

Reconnect the battery.

Check that the electrical equipment is working correctly.

REMOVING - REFITTING : CENTRALISED ECU HOUSING

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

ESSENTIAL : Apply the airbag safety procedures ⓘ .

ESSENTIAL : Apply the procedure for switching off the central airbag system ⓘ .

CAUTION : Release and disconnect : The connectors ; When connecting, ensure that the harnesses are correctly routed and clipped correctly.

CAUTION : The connectors must be disconnected without exerting any stress on the harnesses and the connectors (No pulling of the harnesses is permitted).

1. Removing

N.B. : Wait 10 minutes in the case of abnormal operation of the airbag warning lamp.

Disconnect the battery ⓘ .

Remove :

- **The driver's seat** ⓘ
- **The passenger's seat** ⓘ (according to equipment)
- **The front bench** ⓘ (according to equipment)

Remove (on the L.H. and RH sides) :

- **The front door sill trim** ⓘ (version COMBI)
- **The front door sill trim** ⓘ (version FOURGON)

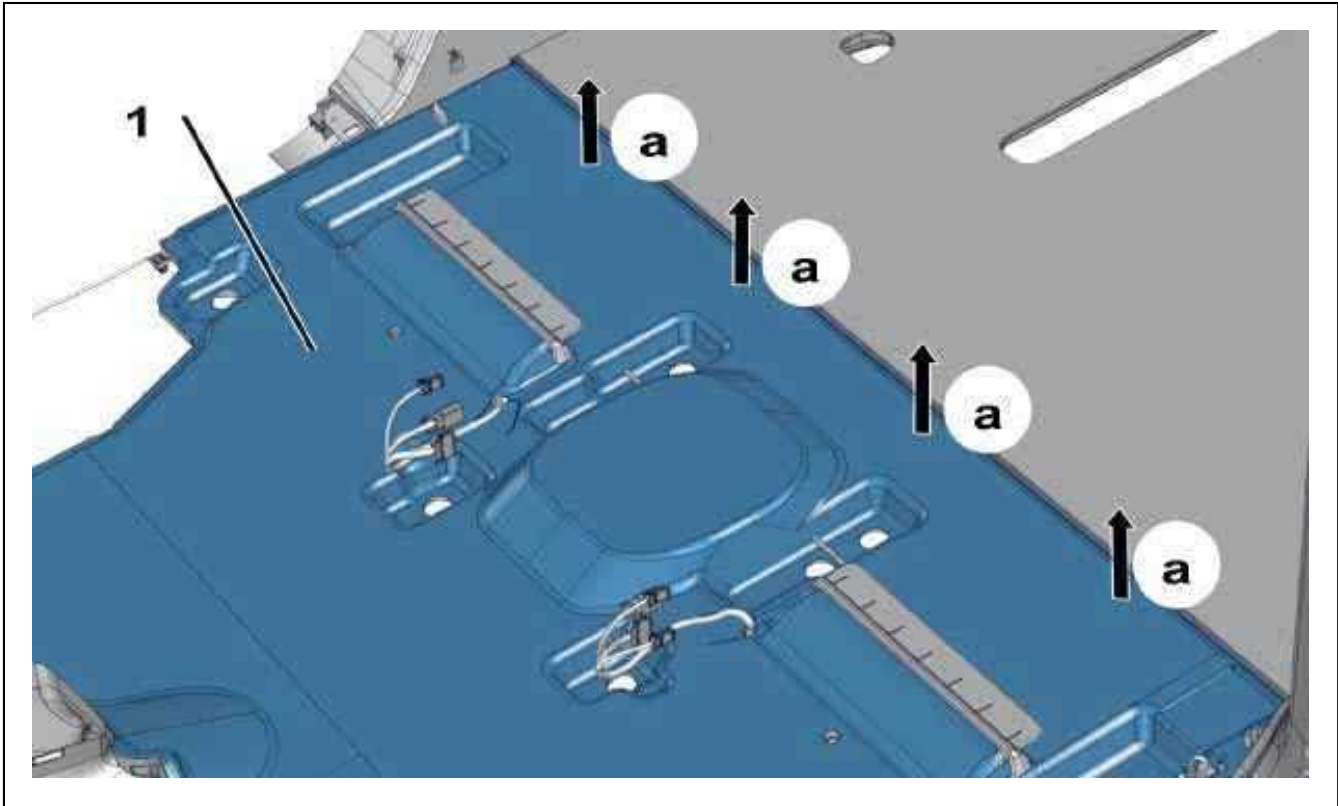


Figure : C5JP0HYD

Disengage the floor covering (1).

Raise the rear part of the floor covering (as "a").

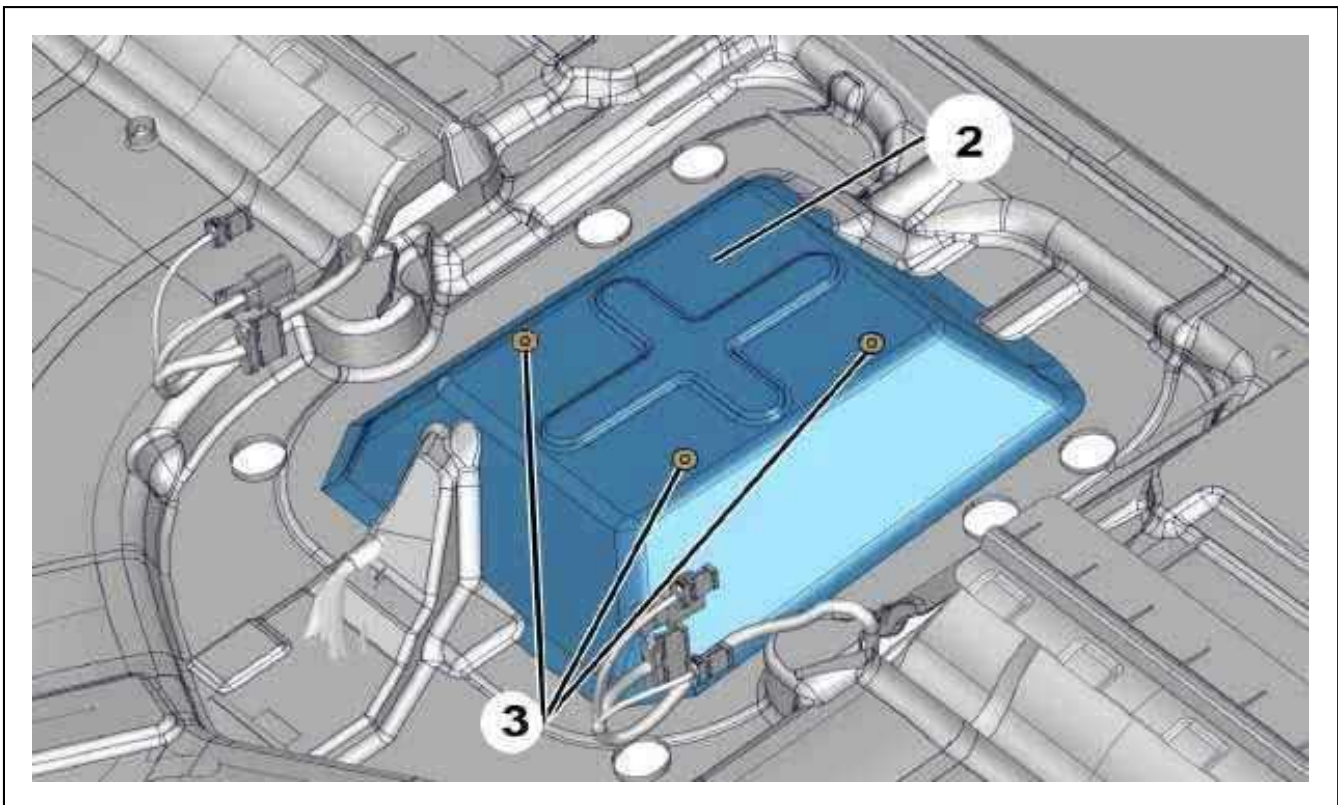


Figure : C5JP0HZD

Remove :

- The nuts (3)
- The cover (2)

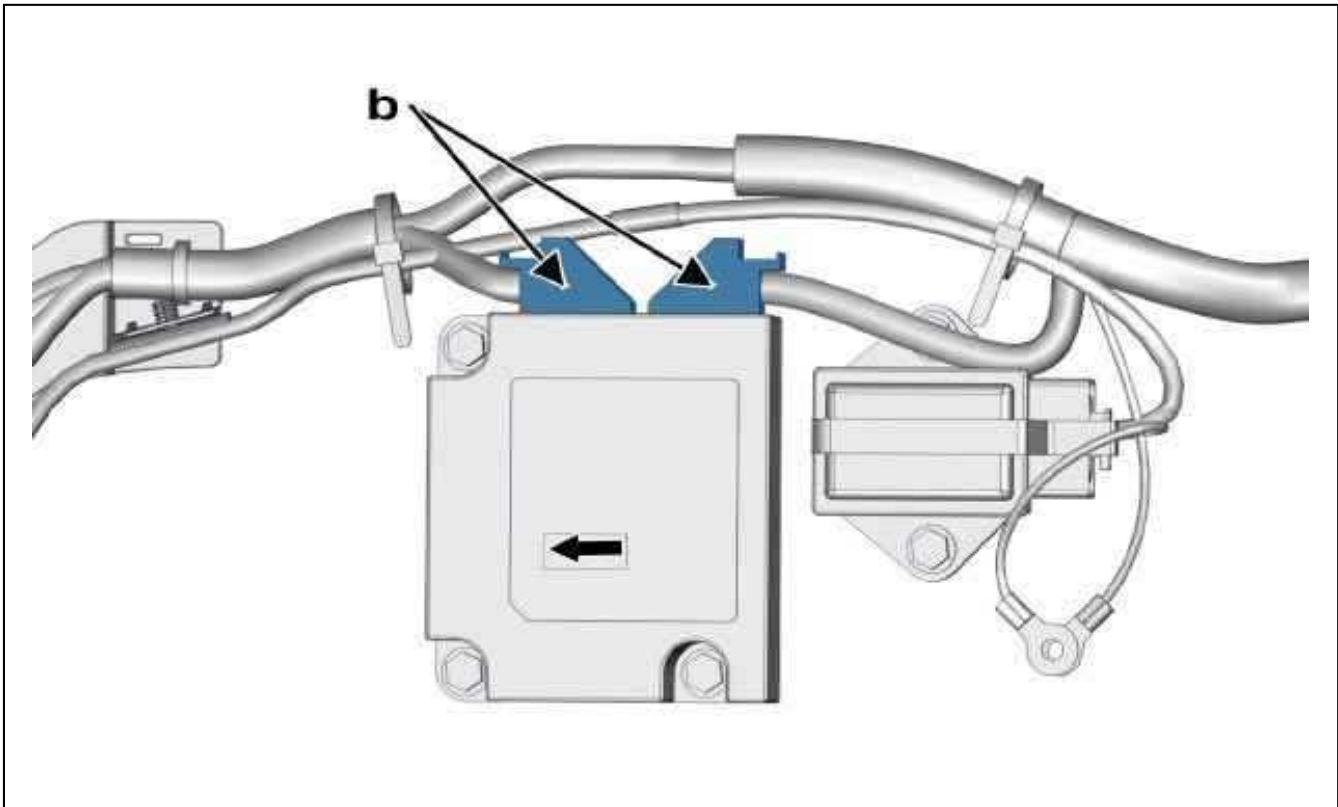


Figure : C5JP0J0D

ESSENTIAL : When removing the central control unit, disconnect the supply connectors first.

Disconnect the connectors (at "b").

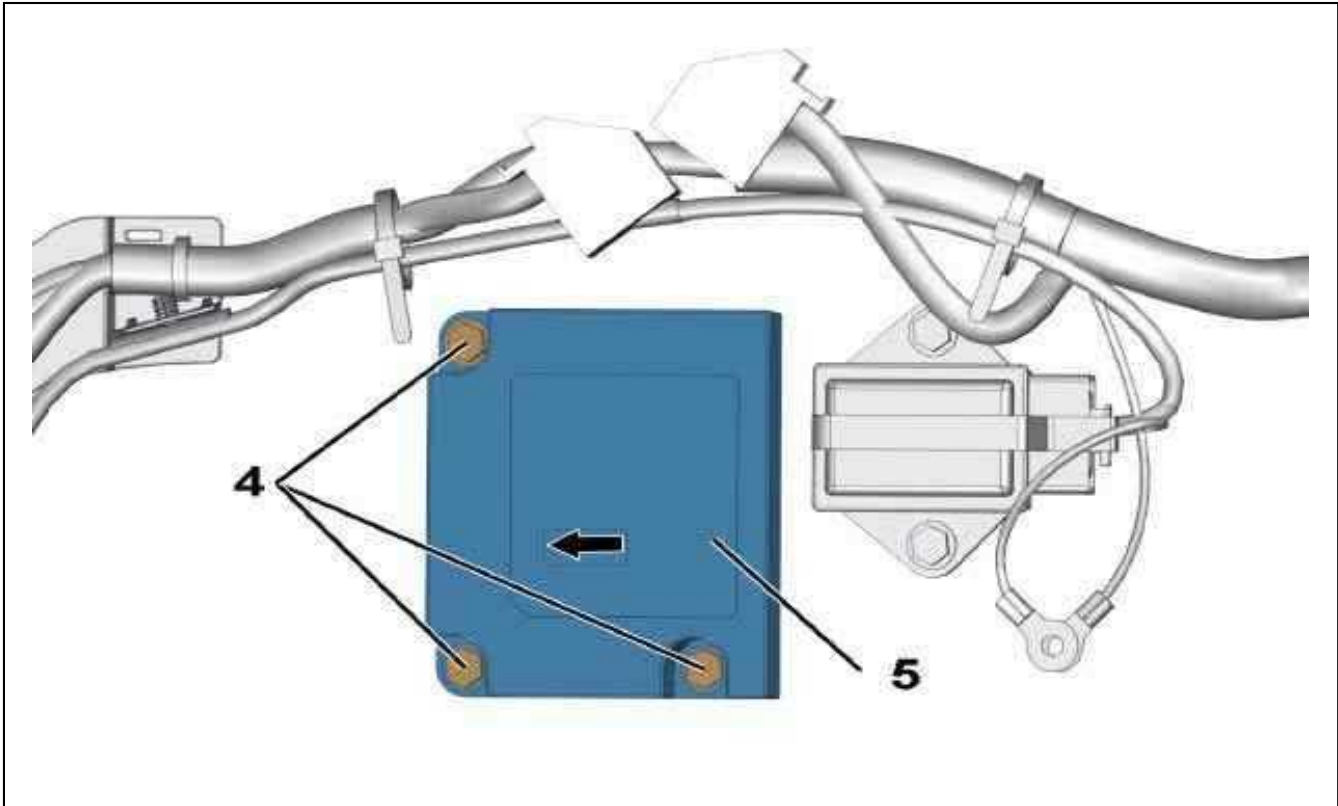


Figure : C5JP0J1D

Remove :

- The nuts (4)
- The centralised ECU housing (5)

ESSENTIAL : Apply the procedure for replacement of the pyrotechnic components following triggering of the air bags and seat belts ⓘ .

2. Refitting

ESSENTIAL : When refitting the central control unit, connect the earth wire first.

Proceed in the reverse order to removal.

CAUTION : Adhere to the tightening torques.

Tighten the nuts (4) to 0,8 dan.m.

Reconnect the battery.

ESSENTIAL : Apply the procedure for switching off the central airbag system ⓘ .

Check all the equipment works.

REMOVING - REFITTING : ACCELERATION SENSOR

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

ESSENTIAL : Apply the pyrotechnic components safety recommendations ⓘ .

ESSENTIAL : Apply the procedure to deactivate the centralised airbag and seat belt system ⓘ .

CAUTION : Release and disconnect : The connectors ; When connecting, ensure that the harnesses are correctly routed and clipped correctly.

CAUTION : The connectors must be disconnected without exerting any stress on the harnesses and the connectors (No pulling of the harnesses is permitted).

1. Removing

Disconnect the battery ⓘ .

Remove :

- The front door sill trim ⓘ
- The centre pillar lower trim ⓘ

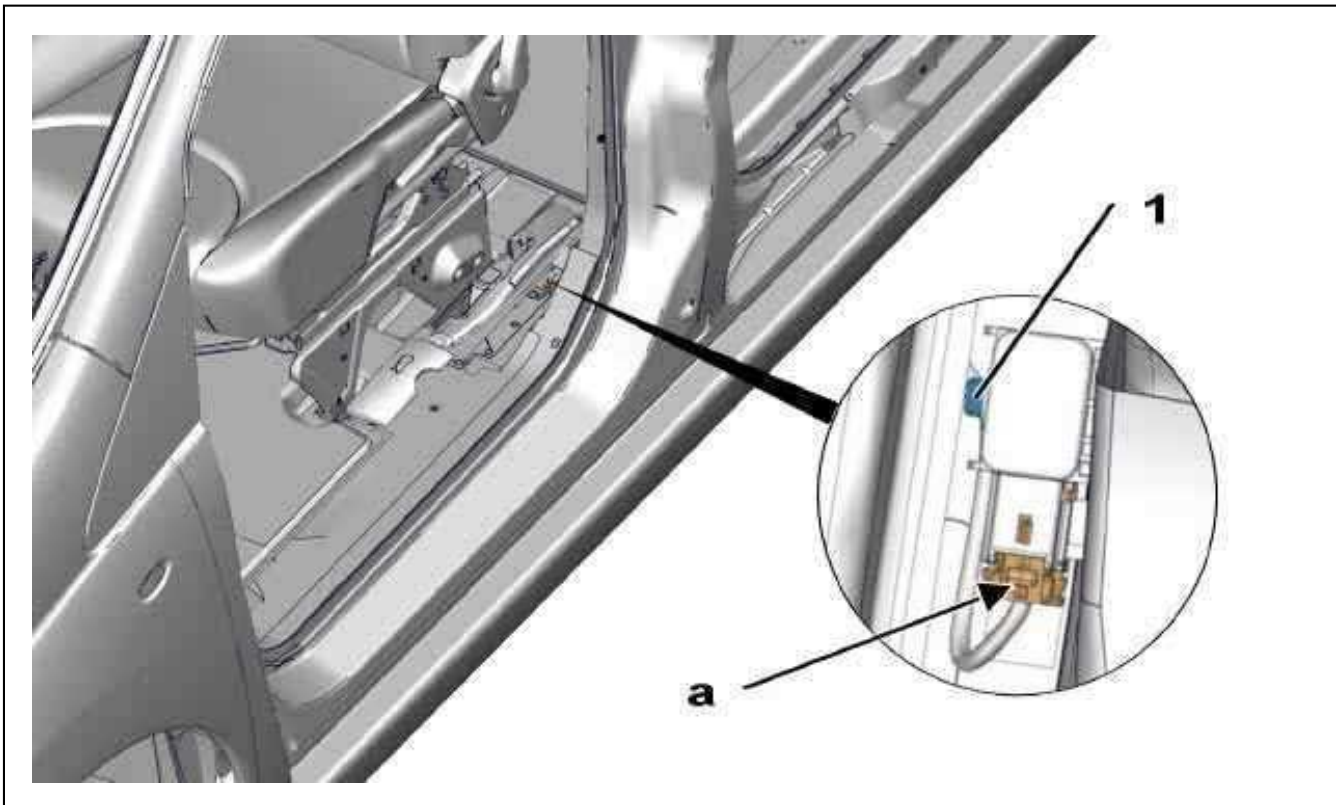


Figure : C4CP2EWD

ESSENTIAL : When removing an airbag, disconnect the supply connector first.

Disconnect the connector (at "a").

Remove bolts (1).

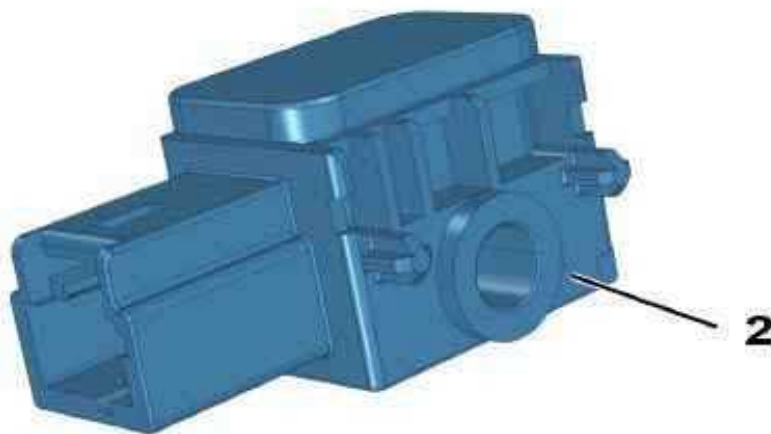


Figure : D4AP0ARD

Remove the acceleration sensor (2).

ESSENTIAL : Apply the procedure for replacing the pyrotechnic components , after triggering the airbags and the seat belts ⓘ .

2. Refitting

CAUTION : Adhere to the tightening torques.

Proceed in the reverse order to removal.

Tighten the bolt (1) to 0,8 daN.m.

Reconnect the battery.

ESSENTIAL : Apply the procedure to deactivate the centralised airbag and seat belt system ⓘ .

Check that the electrical equipment is working correctly.

REMOVING - REFITTING : SIDE AIRBAG

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

ESSENTIAL : Apply the pyrotechnic component safety instructions ⓘ .

ESSENTIAL : Apply the procedure to deactivate the centralised airbag and seat belt system ⓘ .

CAUTION : Release and disconnect : The connectors ; When connecting, ensure that the harnesses are correctly routed and clipped correctly.

CAUTION : The connectors must be disconnected without exerting any stress on the harnesses and the connectors (No pulling of the harnesses is permitted).

1. Tooling

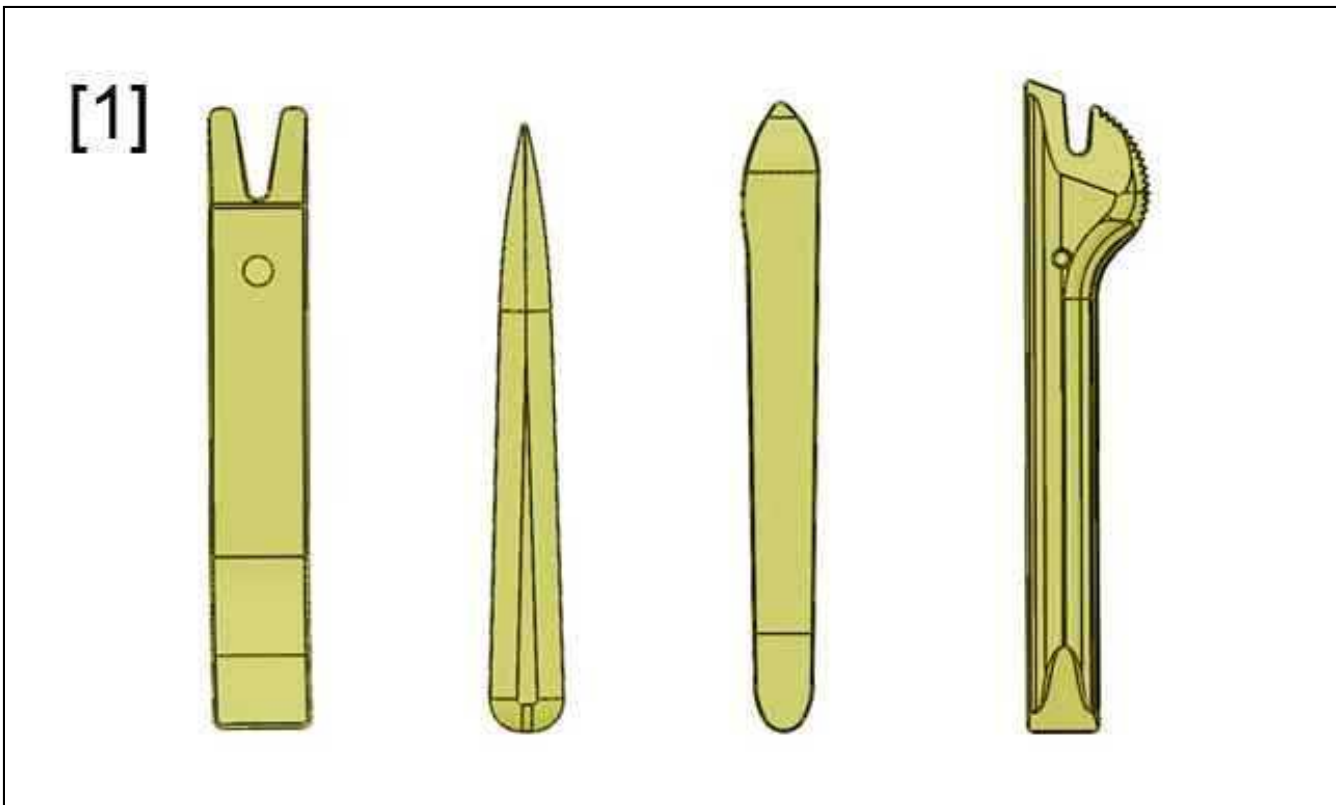


Figure : E5AP30WD

[1] Trim removal tools (-).1350-ZZ.

2. Removing

Disconnect the battery ⓘ .

N.B. : (*) Wait 10 minutes in the case of abnormal operation of the airbag warning lamp.

Remove :

- The front seat 
- The trimmed seatback cushion 

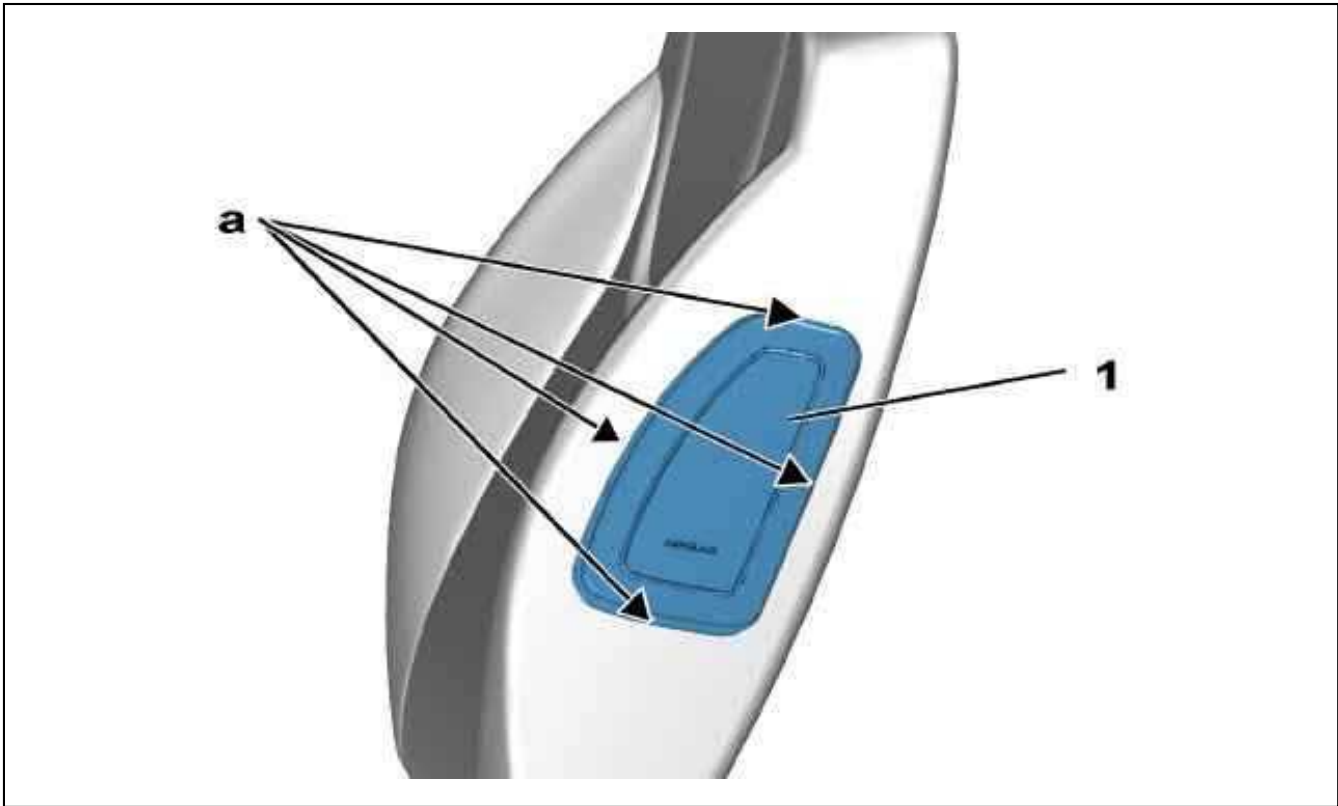


Figure : C5JP0JBD

Unclip the catches below the side air bag of the seat (1) (as "a") ; Using tool [1].

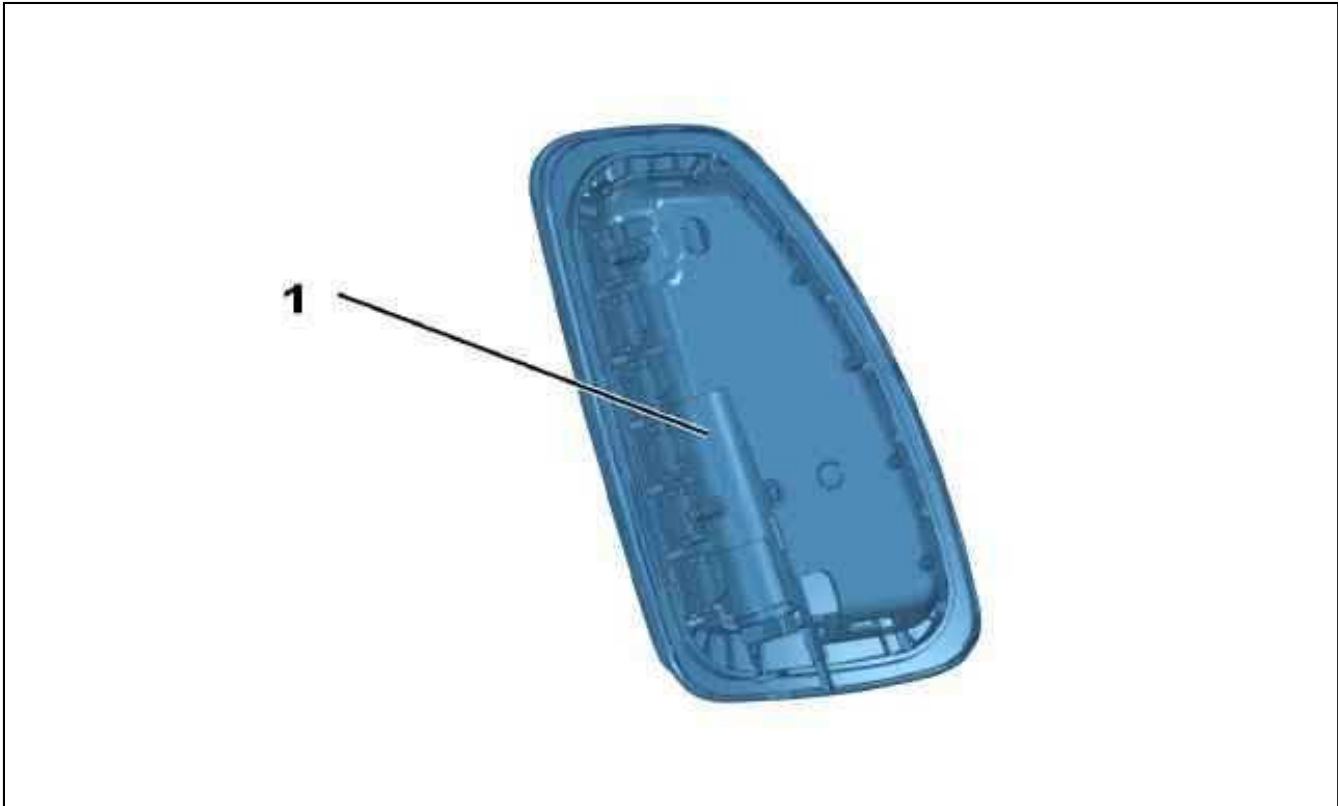


Figure : C5JP0JCD

ESSENTIAL : When removing an airbag, disconnect the supply connector first.

Remove the side airbag (1).

ESSENTIAL : Apply the procedure for destruction of the pyrotechnic components ⓘ .

ESSENTIAL : Apply the procedure for replacement of the pyrotechnic components following triggering of the air bags and seat belts ⓘ .

3. Refitting

Proceed in the reverse order to removal.

Reconnect the battery.

ESSENTIAL : Apply the procedure to deactivate the centralised airbag and seat belt system ⓘ .

Check the operation of the equipment.

REMOVING - REFITTING : PASSENGER AIRBAG

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

ESSENTIAL : Apply the airbag safety procedures ⓘ .

ESSENTIAL : Apply the procedure for switching off the central airbag system ⓘ .

CAUTION : Release and disconnect : The connectors ; When connecting, ensure that the harnesses are correctly routed and clipped correctly.

CAUTION : The connectors must be disconnected without exerting any stress on the harnesses and the connectors (No pulling of the harnesses is permitted).

1. Removing

Disconnect the battery ⓘ .

N.B. : Wait 10 minutes in the case of abnormal operation of the airbag warning lamp.

Remove the dashboard storage ⓘ .

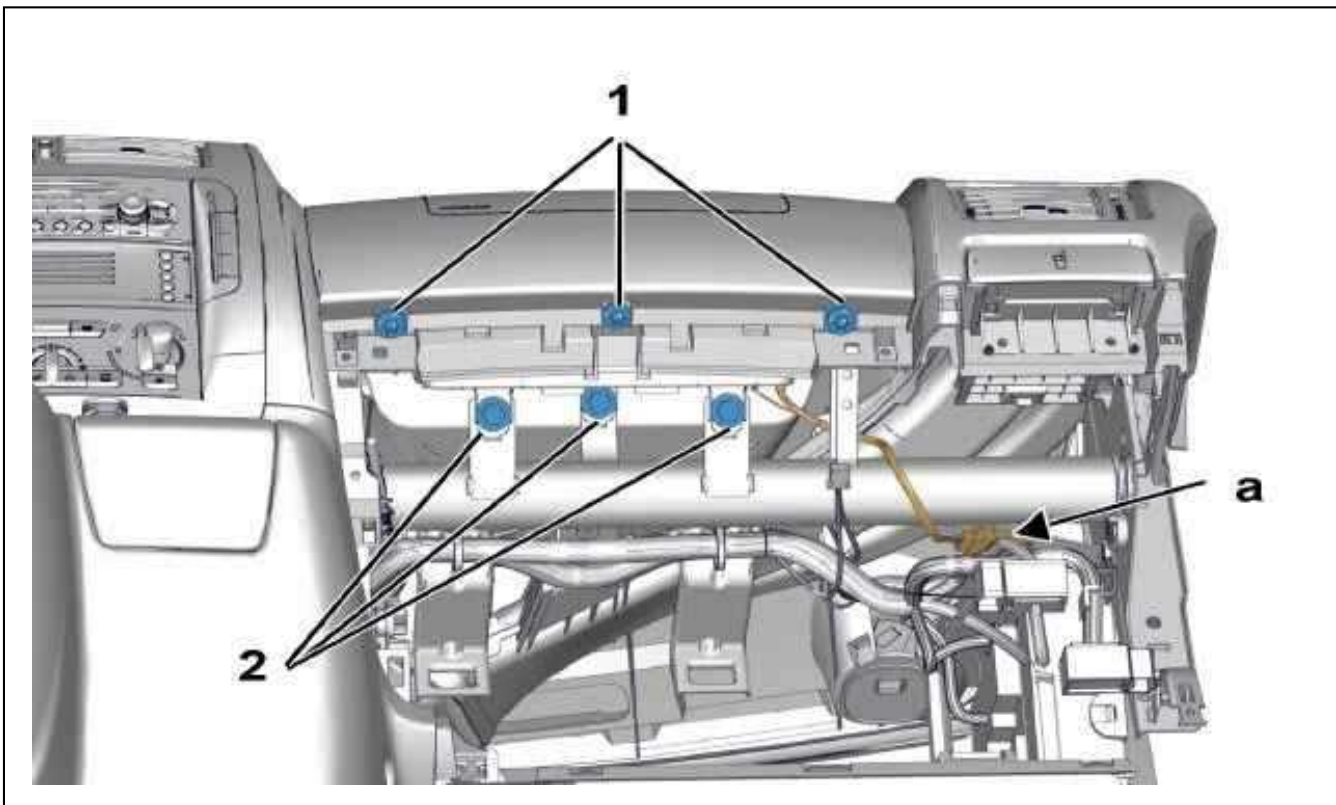


Figure : C5FP1CZD

Remove the bolts (1), (2).

Disconnect the connector (at "a").

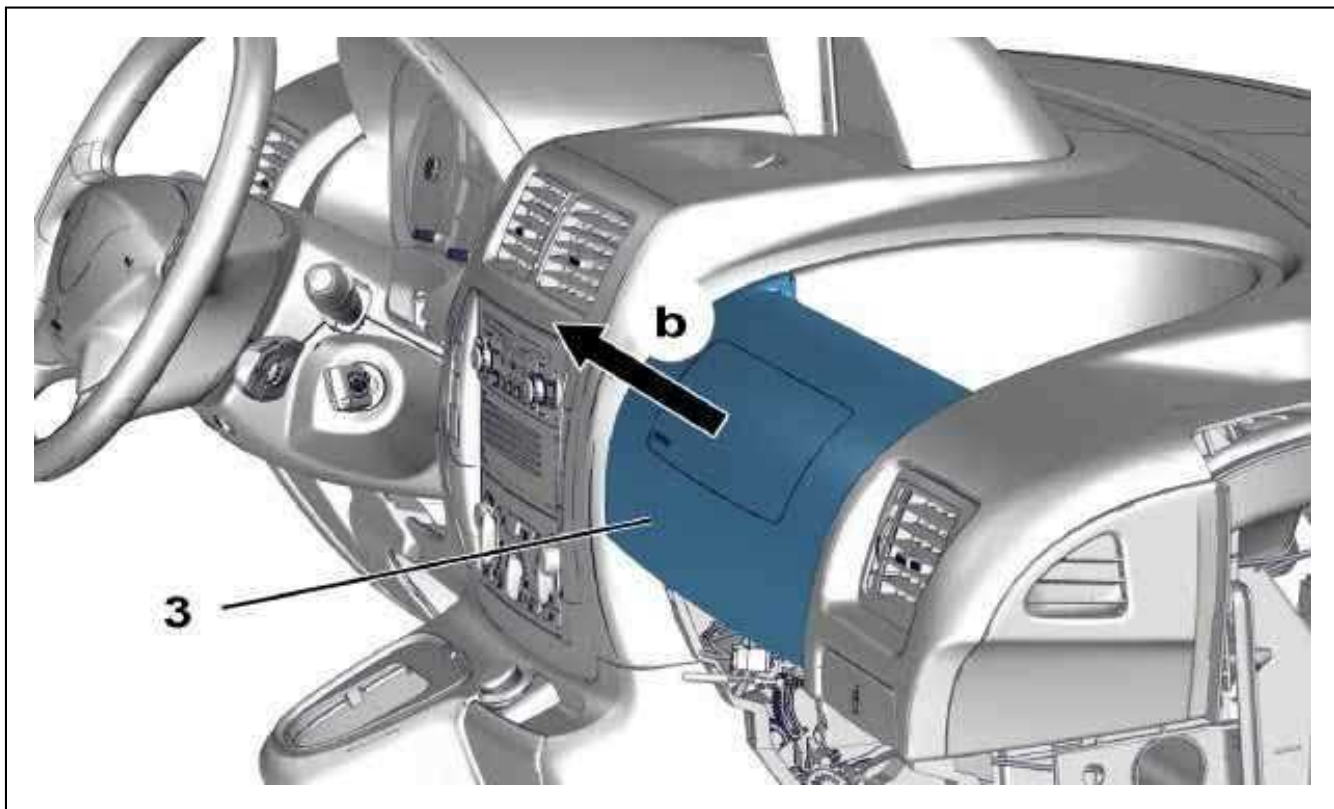


Figure : C5FP1D0D

Disengage the passenger airbag module (3) (following "b").



Figure : C5JP0JYD

Remove the passenger airbag module (3).

ESSENTIAL : Apply the procedure for destruction of the pyrotechnic components ⓘ .

ESSENTIAL : Apply the procedure for replacement of the pyrotechnic components following triggering of the air bags and seat belts ⓘ .

2. Refitting

Proceed in the reverse order to removal.

Tighten :

- The bolts (1) to 0,2 da.Nm
- The bolts (2) to 0,4 da.Nm

Reconnect the battery.

ESSENTIAL : Apply the procedure for switching off the central airbag system ⓘ .

Check that the electrical equipment is working correctly.

REPLACEMENT : PYROTECHNIC COMPONENTS (FOLLOWING TRIGGERING OF THE AIR BAGS AND SEAT BELTS) ; INSTRUCTION FOR REPLACEMENT OF FAULTY PARTS AND REPAIRABILITY OF THE HARNESS

Replace (In the event of impacts and following each triggering) :

- Gas generator connectors (If damaged)
- The central control unit
- The elements listed below (according to equipment)

1. Parts required

Regardless of the activation of the pyrotechnic equipment (impact or accidental triggering), the triggering unit of this equipment (or air bag ECU) must be changed.

CAUTION : The special gas generator connectors must be replaced if they are damaged.

1.1. Triggering with impact

Pyrotechnic devices activated	Compulsory replacements	Optional replacements
Driver's airbag	Airbag module - The steering wheel - Rotary connector / Control on the steering column	Steering column
Passenger air bag under facing or withcapping	Airbag module - Dashboard	Check the fitting, the fits and clearances and the condition of the surrounding parts (Replace any defective parts)
Curtain air bag	Headlining - Impact side : Satellite ; Airbag module; Mouldings (Windscreen pillar - Centre pillar upper trim - Rear quarter panel trim - Grab handles - Sun visor) Pre-tensioning or non-pre-tensioning stalk strap	Impact side : Door seal ; Shunts ; Various parts which may have been damaged during the deployment - Seat belt adjustment
Front chest side air bag (Visible or under cover)	Impact side : Satellite ; Complete seat (including buckle strap and slide sensors) - Pre-tensioning or non-pre-tensioning stalk strap	Impact side : Seat belt adjustment Inertia reel seat belt
Rear chest side air bag in door trim pad under cover (Triggering combined with front chest)	Impact side : Satellite ; Airbag module ; Door panel ; Door	Impact side : Glass ; seal; Window motor ; Door harness and other damaged accessories
driver's knee airbag(Triggering combined with driver and passenger air bag)	Airbag module; Dashboard	steering column covers ; Lower components of the fascia
ASA (Active Anti-Submarining)	Airbag module	Frame and trims if damaged ; If necessary surrounding parts (mat, connector, housing, etc.)
Pre-tensioning buckle (Simultaneous driver and passenger operation)	Pre-tensioning buckle strap (If seat belt worn : Inertia reels ; Return adjustment)	Pre-tensioning buckle strap (If seat belt worn : Stalk strap ; Return adjustment)

Pre-tensioning stalk (Simultaneous driver and passenger operation)	Pre-tensioning stalk - Return adjustment (If seat belt worn : Stalk strap)	If seat belt worn : Seat-belt stalk (If damaged) - If seat belt not worn, no changing of the buckle strap (Non pre-tensioning)
Strap return on stalk strap	Reel and belt return assembly (If seat belt worn : Return adjustment ; Seat-belt stalk)	If seat belt not worn, no changing of the buckle strap
Strap return on seat	Reel and belt return assembly (If seat belt worn : Return adjustment ; Seat-belt stalk)	If seat belt not worn, no changing of the buckle strap
Active pedestrian impact bonnet	Pedestrian impact sensor, pedestrian impact accelerometer sensor, pedestrian impact ECU, actuators, hinges, hinge covers (according to equipment)	Check the electrical harnesses and connectors
Rear, protective, pop-up roll-over hoops (Coupe cabriolet)	Rear, protective, pop-up roll-over hoops cassette ; Roll-over ECU	-

N.B. : In the case of a vehicle fitted with 2 satellites (front and rear), change the 2 satellites even if one of the modules was not triggered.

1.2. Accidental triggering without impact

Pyrotechnic devices activated	Compulsory replacements	Optional replacements
Driver's airbag	Airbag module- Rotary connector / Control on the steering column	-
Passenger air bag under facing or withcapping	Airbag module- In the case of an air bag under facing : Dashboard In the case of an air bag with capping : Check the fitting, the fits and clearances, the condition of the fascia ; If there are no anomalies, retain the fascia	Check the fitting, the fits and clearances and the condition of the surrounding parts (Replace any defective parts)
Curtain air bag	Headlining (Triggering side : Satellite which caused the triggering ; Airbag module ; Mouldings (Windscreen pillar - Centre pillar upper trim - Rear quarter panel trim - Sun visor))	Triggering side : Door seal ; Shunts ; Various parts which may have been damaged during the deployment ; Grab handles ; Seat belt adjustment
Front chest side air bag visible or under cover	Triggering side : Satellite which caused the triggering ; Airbag module ; Seat cover and padding (If under cover)	Triggering side : Frame
Rear chest side air bag in frame under cover	Triggering side : Satellite which caused the triggering ; Frame with air bag module	Triggering side : Door seal ; Wheel arch lining (If damaged)
Rear chest side air bag in door trim pad under cover	Triggering side : Satellite which caused the triggering ; Airbag module: Door panel	Triggering side : Door ; Door seal ; Window motor ; Door harnesses and other accessories (If damaged)
driver's knee airbag	Airbag module	Check the fitting, the fits and clearances (Free of anomalies : No replacement of the fascia) Surrounding components damaged
ASA (Active Anti-Submarining)	Airbag module	Frame and trims if damaged ; If necessary surrounding parts (mat, connector, housing, etc.)

Pre-tensioning buckle	Pre-tensioning buckle strap (If seat belt worn : Stalk strap ; Return adjustment)	If seat belt not worn, no changing of the stalk straps ; Return adjustment
Pre-tensioning stalk	Pre-tensioning stalk strap (If seat belt worn : Seat-belt stalk ; Return adjustment)	If seat belt not worn, no changing of the stalk straps ; Return adjustment
Strap return on stalk strap	Reel and belt return assembly(If seat belt worn : Return adjustment ; Seat-belt stalk)	If seat belt not worn, no changing of the buckle strap
Strap return on seat	Replacement of the triggered component (If seat belt worn : Return adjustment ; Seat-belt stalk)	If seat belt not worn, no changing of the buckle strap
Active pedestrian impact bonnet	Actuators, pedestrian impact ECU, hinges, hinge covers (according to equipment)	Check the electrical harnesses and the connectors, the pedestrian impact sensor, the pedestrian impact accelerometer sensor
Rear, protective, pop-up roll-over hoops (Coupe cabriolet)	Rear, protective, pop-up roll-over hoops cassette ; Unit if triggered by pyrotechnic lock	In the case of mechanical triggering, the rear, protective, pop-up roll-over hoops can be reset

2. Visual methods for checking whether a component has been deployed

2.1. Pre-tensioning seat belt reel(s)

The triggering of an inertia reel is indicated by :

- Lighting of the side airbag warning light on the instrument panel
- A fault code recorded and read using the diagnostic equipment
- A characteristic noise of balls noticed following removal of the inertia reel

2.2. Passenger air bag neutralisation switch



Figure : C5JM0C3D

The status of the disarming switch for the passenger airbag is activated in the on position, or de-activated in the off position, by means of the ignition key :

- The on position triggers the airbag in the case of a frontal impact
- The displaying of this function is enhanced for use by an indicator light on the instrument panel

3. Instructions for replacement of parts

The parts replaced will be deployed in the following cases :

- Parts to be destroyed
- Parts which have passed their validity date

CAUTION : Therefore, all warranty return parts required will be returned without being deployed.

4. Conditions for transporting explosive components

The packaging recovered from the replacement part must be used to transport the parts.

5. Repairability of the harness

The repair of all of the harnesses is permitted using strictly RAYCHEM welded unions observing the operating procedure.

Compulsory method of repair : Equipment (RAYCHEM).

CAUTION : Repair of the wires must be carried out with heat shrink sleeves and outer covers : [1228] kit.

Replace the generator connecting harness if the connector is damaged following triggering.

In the case of a module supplied with a harness, the whole will be replaced.

6. Check after operation

CAUTION : After any work performed on the central airbags system, carry out a fault reading with the diagnostic equipment .

DACTIVATION / ACTIVATION : PYROTECHNIC SYSTEMS (TECHNICAL NOTE)

1. Deactivation

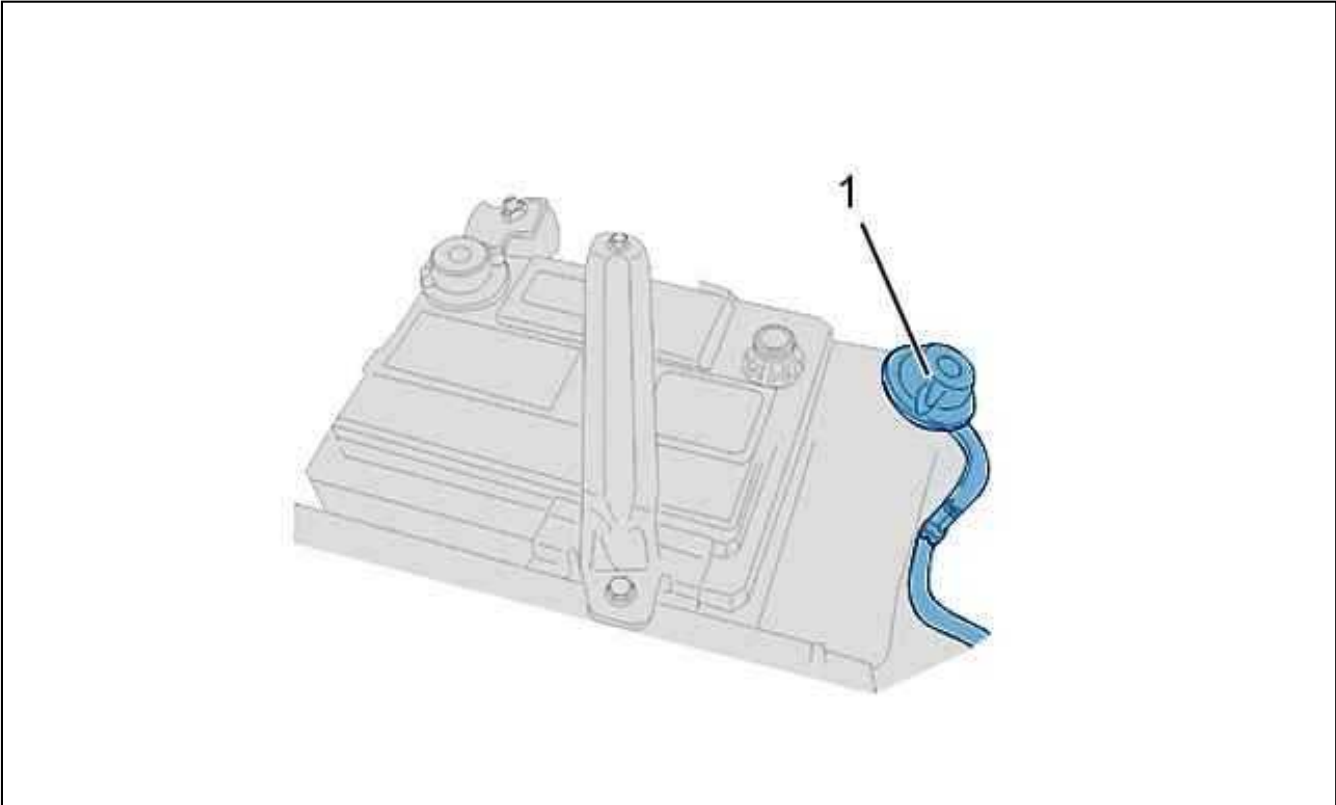


Figure : D1AP03CD

Disconnect the battery negative cable (1).

Protect the cable and the negative terminal in order to prevent any contact.

CAUTION : Wait for at least 5 minutes before performing any operations (discharging of the airbag ECU power reserve).

CAUTION : The ECU must not be removed with the connector still connected under any circumstances.

Disconnect the airbag ECU connector.

2. Activation

ESSENTIAL : The area of the airbags and pyrotechnic seat belts should be kept clear, both of objects and of people.

Ignition off : Connect the airbag ECU connector.

Connect the battery negative cable.

On the driver's side, door open, ignition on, keeping the steering wheel module activation area clear.

Check the system is operating correctly by checking the airbag fault LEDs.

N.B. : After disconnecting the battery, some electronic systems (injection, safety auto-reverse system ...) need ar

initialisation procedure ; Perform the appropriate initialisation procedures.

DACTIVATION / ACTIVATION : PYROTECHNIC SYSTEMS (TECHNICAL NOTE)

1. Deactivation

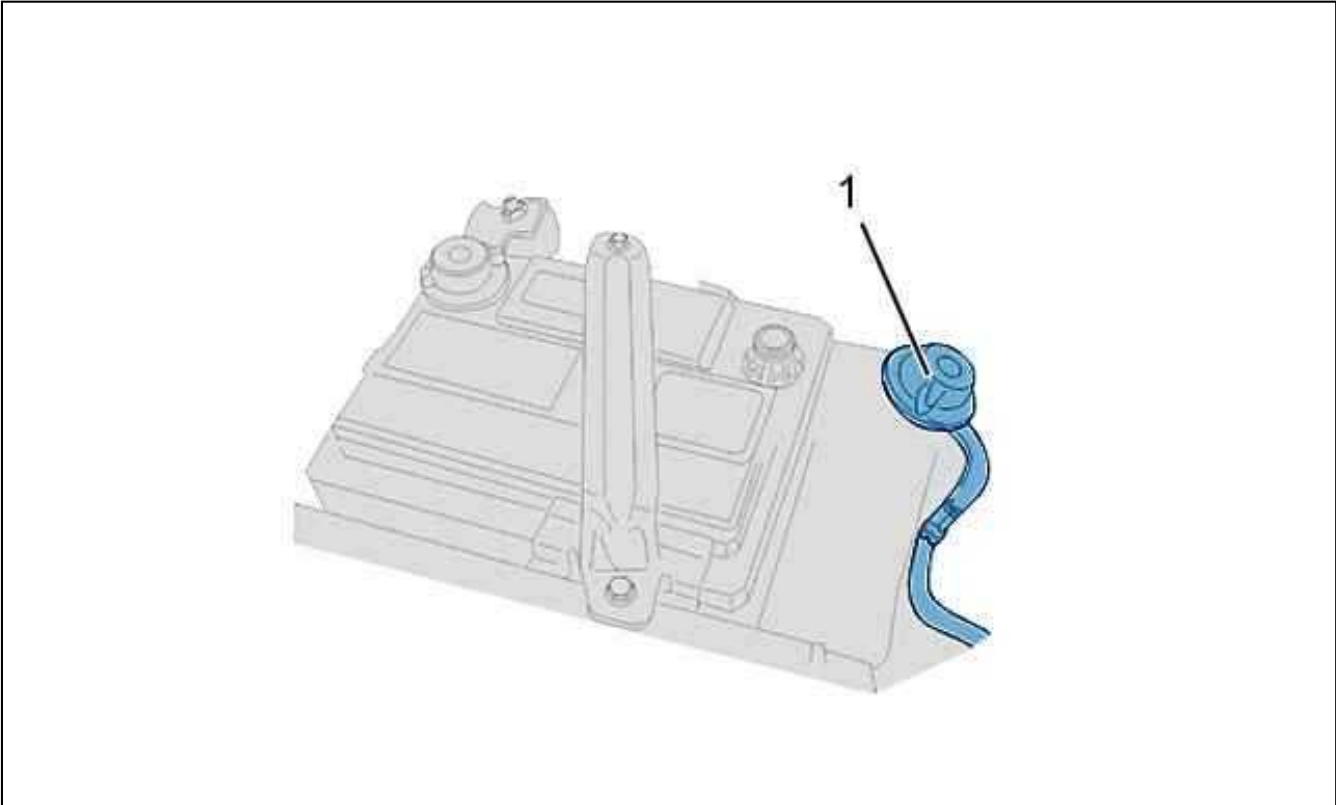


Figure : D1AP03CD

Disconnect the battery negative cable (1).

Protect the cable and the negative terminal in order to prevent any contact.

CAUTION : Wait for at least 5 minutes before performing any operations (discharging of the airbag ECU power reserve).

CAUTION : The ECU must not be removed with the connector still connected under any circumstances.

Disconnect the airbag ECU connector.

2. Activation

ESSENTIAL : The area of the airbags and pyrotechnic seat belts should be kept clear, both of objects and of people.

Ignition off : Connect the airbag ECU connector.

Connect the battery negative cable.

On the driver's side, door open, ignition on, keeping the steering wheel module activation area clear.

Check the system is operating correctly by checking the airbag fault LEDs.

N.B. : After disconnecting the battery, some electronic systems (injection, safety auto-reverse system ...) need ar

initialisation procedure ; Perform the appropriate initialisation procedures.

CONFIGURATION : AIRBAGS AND PRETENSIONERS CONTROL UNIT (BOSCH)

1. Vehicle concerned

CITROEN DISPATCH 3.

From diagnostic CD N° 37.

2. Summary

Safety recommendations  .

Preliminary operations  .

Configuration  .

Configuring by Internet  .

Configuration tables  :

- front airbags 
- Pretensioners 
- Side airbags 

3. Safety recommendations

CAUTION : An incorrect configuration of the airbags and pretensioners ECU (BOSCH) will entail only the lighting of the "AIRBAG" warning lamp ; the system will not be operational.

The configuration operation is a delicate operation which has direct consequences for the operation of the vehicle.

Incorrect configuration can have adverse effects on :

- Safety (Deactivation of the vehicle's protection systems)
- The overall operation of the vehicle (complete loss or downgrading of vehicle functions)
- Vehicle diagnostics (recording of fault codes that can cause the tool's diagnostic procedures to fail, leading to unjustified removal of components)

Before any attempt to start the engine :

- Check that the parking brake is activated
- If an automatic gearbox, check that the gear lever is in position "P"
- If a manual gearbox, check that the gear lever is in neutral

4. Preliminary operations

Before any operations :

- Establish communication with the ECU, using the diagnostic tool
- Print out all the diagnostic tool screens that indicate the configuration parameter values, or note down these values by hand

5. Configuration

If configuring the ECU :

- Establish communication with the ECU
- Perform the configuration by internet
- Check the download

Down-loading of the control unit :

- Establish communication with the ECU
- Carry out the download
- Perform the configuration by internet
- Check the download
- Carry out the programming operations (If necessary)

Replacing the ECU :

- Fit the new ECU
- Establish communication with the ECU
- Perform the configuration by internet
- Check the download
- Carry out the programming operations (If necessary)

N.B. : Configuring of the airbags and pretensioners ECU (AUTOLIV) is only to be done if the "AIRBAG" warning lamp is on and there is a fault code : ECU configuration fault.

6. Configuring by Internet

Perform the configuration by internet.

CAUTION : If the configuration by internet does not work (presence of a message on the diagnostic tool indicating the error code associated with the phrase "repeating the operation will serve no purpose"), perform a manual configuration instead of the configuration by internet (refer to the configuration table).

7. Configuration tables

7.1. front airbags

front airbags		
Configuration parameters	Values to be configured	Comments
level 1 driver's airbag	Present	(2)
level 2 driver's airbag	absent	(2)
driver's knee airbag	absent	(2)
Driver's anti-submarining airbag	absent	(2)
Driver's seat position sensor	absent	(2)
level 1 passenger airbag	Present	(2)
level 2 passenger airbag	absent	(2)
Passenger knee protection air bag	absent	(2)
Passenger's anti-submarining airbag	absent	(2)
Passenger's seat position sensor	absent	(2)
Passenger air bag neutralisation switch	Present	(2)
Presence pedestrian impact detection ECU	absent	(2)

(2) Configuration of another value prohibited.

7.2. Pretensioners

Pretensioners		

Configuration parameters	Values to be configured	Comments
Driver's pretensioner	Present	(2)
Driver belt return pretensioner	absent	(2)
Passenger's pretensioner	Present	(2)
Passenger's strap return pretensioner	absent	(2)
Row 1 central pretensioner	Present	(1) ; (5)
	absent	
Row 2 right-hand rear pretensioner	absent	(2)
Row 2 left-hand rear pretensioner	absent	(2)
Rear central row 2 pretensioner	absent	(2)

(1) To be configured (According to equipment).

(2) Configuration of another value prohibited.

(5) After configuring the vehicle, perform a reading of faults for the airbags and pretensioners ECU so as to check that there are no faults after switching off the ignition (thus confirming that the ECU is correctly configured). If there is an "ECU configuration fault", check the pyrotechnic charges fitted on the vehicle (In fault reading, check each of the permanent faults).

7.3. Side airbags

Side airbags		
Configuration parameters	Values to be configured	Comments
Front left side air bag	Present	(1) ; (5)
	absent	
Front right side air bag	Present	(1) ; (5)
	absent	
Rear left side air bag	absent	(2)
Rear right side air bag	absent	(2)
Left-hand side curtain air bag	Present	(1) ; (5)
	absent	
Right-hand side curtain air bag	Present	(1) ; (5)
	absent	
Front left satellite	Present	(2)
Front right satellite	Present	(2)
Rear left satellite	absent	(2)
Rear right satellite	absent	(2)

(1) To be configured (According to equipment).

(2) Configuration of another value prohibited.

(5) After configuring the vehicle, perform a reading of faults for the airbags and pretensioners ECU so as to check that there are no faults after switching off the ignition (thus confirming that the ECU is correctly configured). If there is an "ECU configuration fault", check the pyrotechnic charges fitted on the vehicle (In fault reading, check each of the permanent faults).

CONFIGURATION : AIRBAGS AND PRETENSIONERS CONTROL UNIT

1. Vehicle concerned

CITROEN DISPATCH 3.

From tele-update version DIAGBOX 5.29.

2. Summary

Safety recommendations ⓘ .

Preliminary operations ⓘ .

Configuration ⓘ .

Configuring by Internet ⓘ .

Procedure to be followed after configuration ⓘ .

Configuration tables ⓘ :

- Front airbags ⓘ
- Pretensioners ⓘ
- Side airbags ⓘ
- Head(s) ⓘ
- Emergency call ⓘ

3. Safety recommendations

Configuration is a sensitive operation which has a direct effect on the correct operation of the vehicle.

Incorrect configuration can have adverse effects on :

- Safety (Deactivation of the vehicle's protection systems)
- The overall operation of the vehicle (complete loss or downgrading of vehicle functions)
- Vehicle diagnostics (Recording of fault codes that can cause the diagnostic tool's diagnostic methods to fail, leading to unjustified replacements of parts)

Before any attempt to start the engine :

- Check that the parking brake is activated
- If an automatic gearbox, check that the gear lever is in position "P " (Park)
- For a manual gearbox, check that the gear lever is in neutral

4. Preliminary operations

Before any operations :

- Establish communication with the ECU ; Using a diagnostic tool
- Print out all the diagnostic tool screens that indicate the configuration parameter values, or note down these values by hand

5. Configuration

CAUTION : The "centralised airbag" ECU must only be configured if the "airbag fault indicator light" is illuminated and if the "configuration fault of the ECU" fault is present in the "centralised airbag" ECU.

CAUTION : An incorrect configuring of the central airbag ECU will cause the "AIRBAG" warning lamp to come on and

the pyrotechnic charges concerned not to work.

If configuring the ECU :

- Establish communication with the ECU
- Perform the configuration by internet
- Check the download

If replacing an ECU :

- Fit the new ECU
- Establish communication with the ECU
- Perform the configuration by internet
- Check the download
- Perform the programming operations (If necessary)

5.1. Configuring by Internet

Perform the configuration by internet.

CAUTION : If the configuration by internet does not work (presence of a message on the diagnostic tool indicating the error code associated with the phrase "repeating the operation will serve no purpose"), perform a manual configuration instead of the configuration by internet (refer to the configuration table).

5.2. Procedure to be followed after configuration

Check and if necessary repeat the parameters after the configuration by internet.

6. Configuration tables

Having selected the menu "manual configuration", you have the following parameters available :

- **Front airbags** ⓘ
- **Pretensioners** ⓘ
- **Side airbags** ⓘ
- **Head(s)** ⓘ
- **Emergency call** ⓘ

6.1. Front airbags

Front airbags		
Configuration parameters	Values to be configured	Comments
Driver's airbag (Level 1)	Present	(2)
Driver's airbag (Level 2)	Present	(2)
Driver's steering column air bag	absent	(2)
Driver antismashing airbag	absent	(2)
Driver's seat position sensor	absent	(2)
Passenger airbag (Level 1)	Present	(2)
Passenger airbag (Level 2)	absent	(2)
Passenger knee protection air bag	absent	(2)
Passenger antismashing airbag	absent	(2)
Passenger's seat position sensor	Present	(2)
Passenger air bag neutralisation switch	absent	(1)
	Present	

Pyrotechnic technology	Pyrotechnic technology	(2)
Presence pedestrian impact detection ECU	absent	(2)

- (1) To be configured according to the equipment.
- (2) Configuration of another prohibited value.
- (3) Parameter configured automatically during the "choice of the service schedule" procedure.
- (4) Parameters which must always be checked following a configuration over the internet.

CAUTION : When the vehicle has been configured, carry out a fault reading of the "centralised airbag" ECU to check the absence of faults after a positive after ignition cut (thus confirming that the ECU is configured correctly).

In the presence of the "fault on the level 1 driver airbag line" characterised "Present but not configured" check the pyrotechnic charges fitted to the vehicle (Check in the fault reading each of the permanent and transient faults).

N.B. : For the configuring to be taken into account, it is necessary to wait for the BSI to go into sleep mode.

6.2. Pretensioners

Pretensioners		
Configuration parameters	Values to be configured	Comments
Pretension side	Inertia reel	(2)
Placing in series of the pretensioners	In series per row	(2)
Front LH pretensioner	Present	(2)
Driver belt return pretensioner	absent	(2)
Front RH pretensioner	Present	(2)
Passenger's strap return pretensioner	absent	(2)
Row 1 central pretensioner	Present	(2)
Row 2 left-hand rear pretensioner	absent	(2)
Row 2 right-hand rear pretensioner	absent	(2)
Row 2 central rear pretensioner	absent	(2)

- (1) To be configured according to the equipment.
- (2) Configuration of another prohibited value.
- (3) Parameter configured automatically during the "choice of the service schedule" procedure.
- (4) Parameters which must always be checked following a configuration over the internet.

CAUTION : When the vehicle has been configured, carry out a fault reading of the "centralised airbag" ECU to check the absence of faults after a positive after ignition cut (thus confirming that the ECU is configured correctly).

If there is an "ECU configuration fault", check the pyrotechnic charges fitted on the vehicle (Check in the fault reading each of the permanent and transient faults).

6.3. Side airbags

Side airbags		
Configuration parameters	Values to be configured	Comments
Front left side air bag	Present	(2)
Front right side air bag	Present	(2)
Left-hand side curtain air bag	Present	(2)
Right-hand side curtain air bag	Present	(2)

- (1) To be configured according to the equipment.
- (2) Configuration of another prohibited value.
- (3) Parameter configured automatically during the "choice of the service schedule" procedure.
- (4) Parameters which must always be checked following a configuration over the internet.

CAUTION : When the vehicle has been configured, carry out a fault reading of the "centralised airbag" ECU to check the absence of faults after a positive after ignition cut (thus confirming that the ECU is configured correctly).

If there is an "ECU configuration fault", check the pyrotechnic charges fitted on the vehicle (Check in the fault reading each of the permanent and transient faults).

6.4. Head(s)

Head(s)		
Configuration parameters	Values to be configured	Comments
Front left satellite	Present	(2)
Front right satellite	Present	(2)

- (1) To be configured according to the equipment.
- (2) Configuration of another prohibited value.
- (3) Parameter configured automatically during the "choice of the service schedule" procedure.
- (4) Parameters which must always be checked following a configuration over the internet.

6.5. Emergency call

Emergency call		
Configuration parameters	Values to be configured	Comments
Emergency call via wire connection	absent	(2)

- (1) To be configured according to the equipment.
- (2) Configuration of another prohibited value.
- (3) Parameter configured automatically during the "choice of the service schedule" procedure.
- (4) Parameters which must always be checked following a configuration over the internet.