

DACTIVATION / ACTIVATION : CENTRAL AIRBAG AND SEATBELT SYSTEM

1. Deactivation

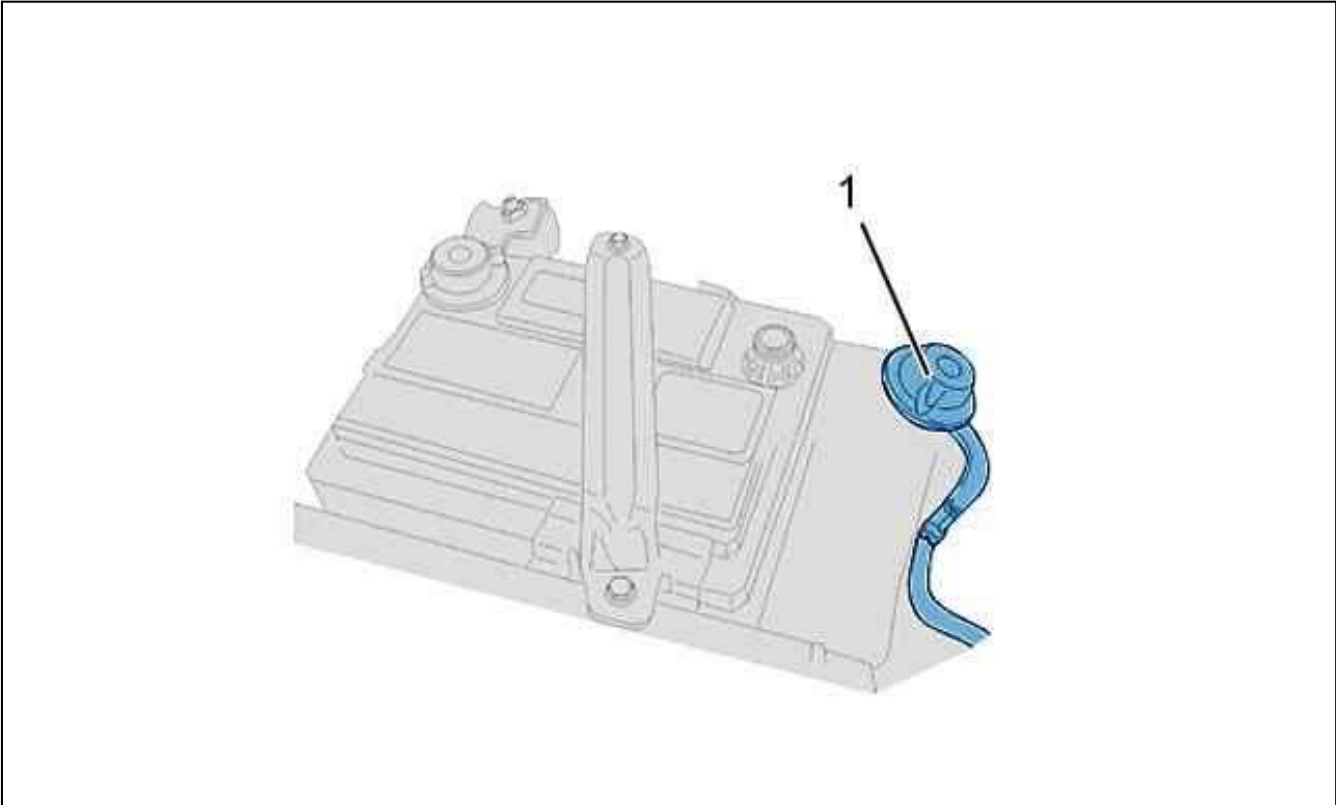


Figure : D1AP03CD

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

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.

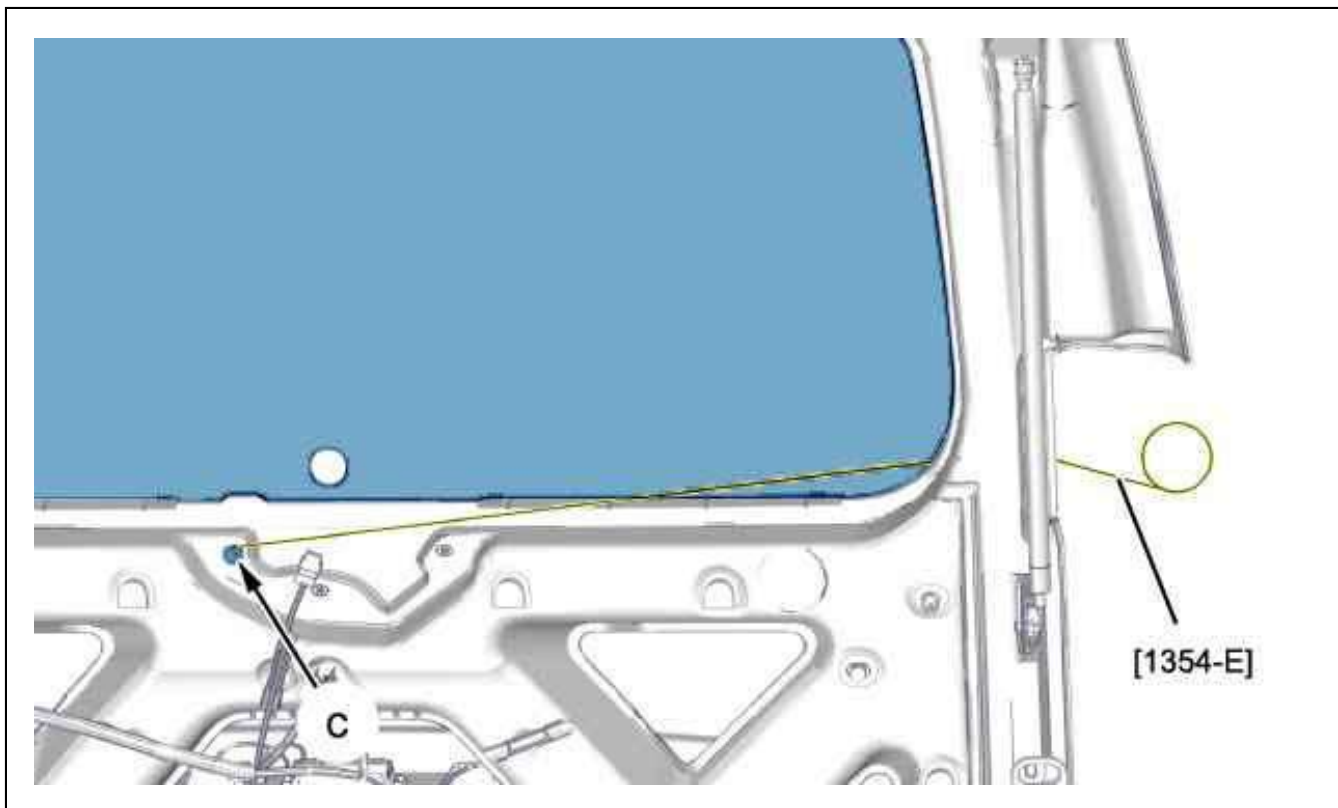


Figure : C5CG1UQD

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

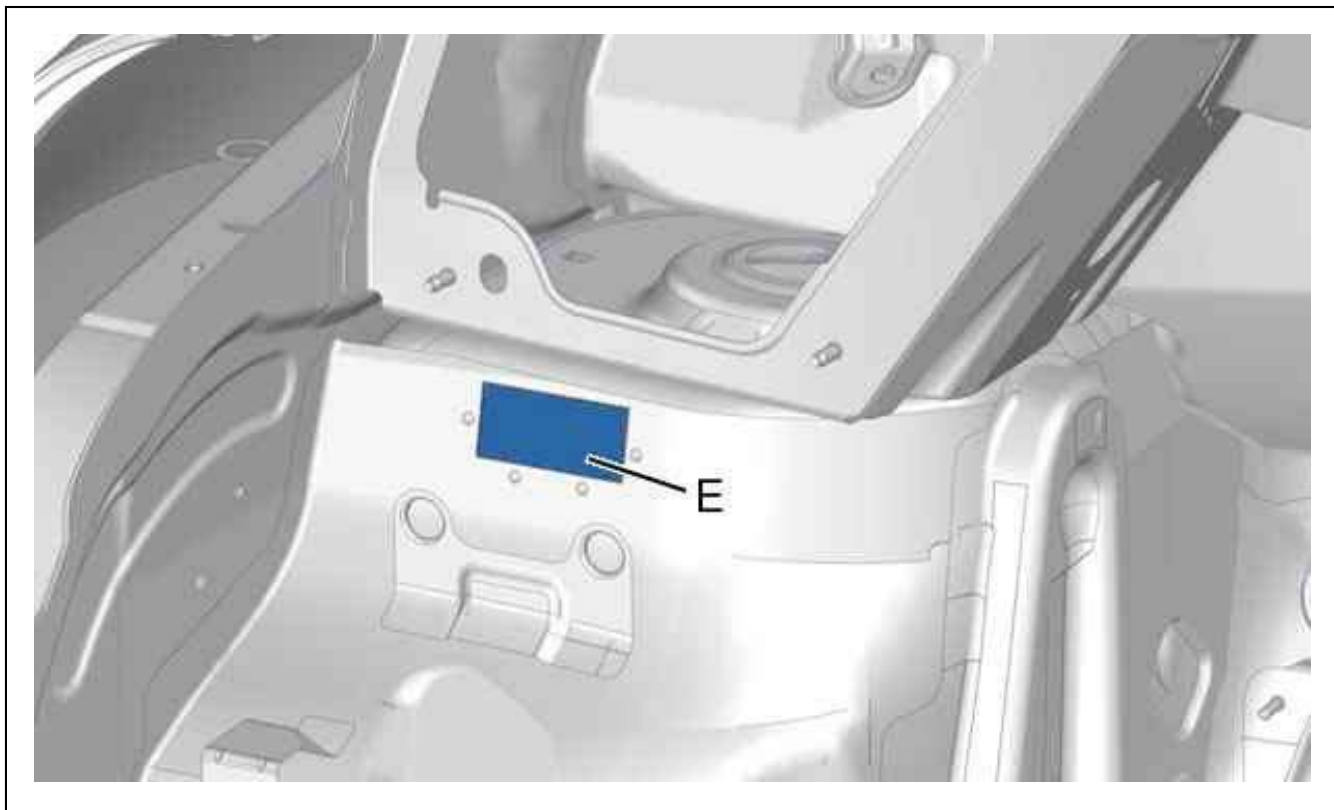


Figure : C4EB0QQD

Reference	Original stamped part	Vehicle	Number of lines
(E)	Front right wheel arch upper section	BERLINGO III C4 I C4 PICASSO DS5	2

3.5. Bulkhead flange right-hand section zone location

Figure : C4CM0C9D

Apply a phosphate-print layer on the zone laid bare.

Apply a sealing mastic of type "A1".

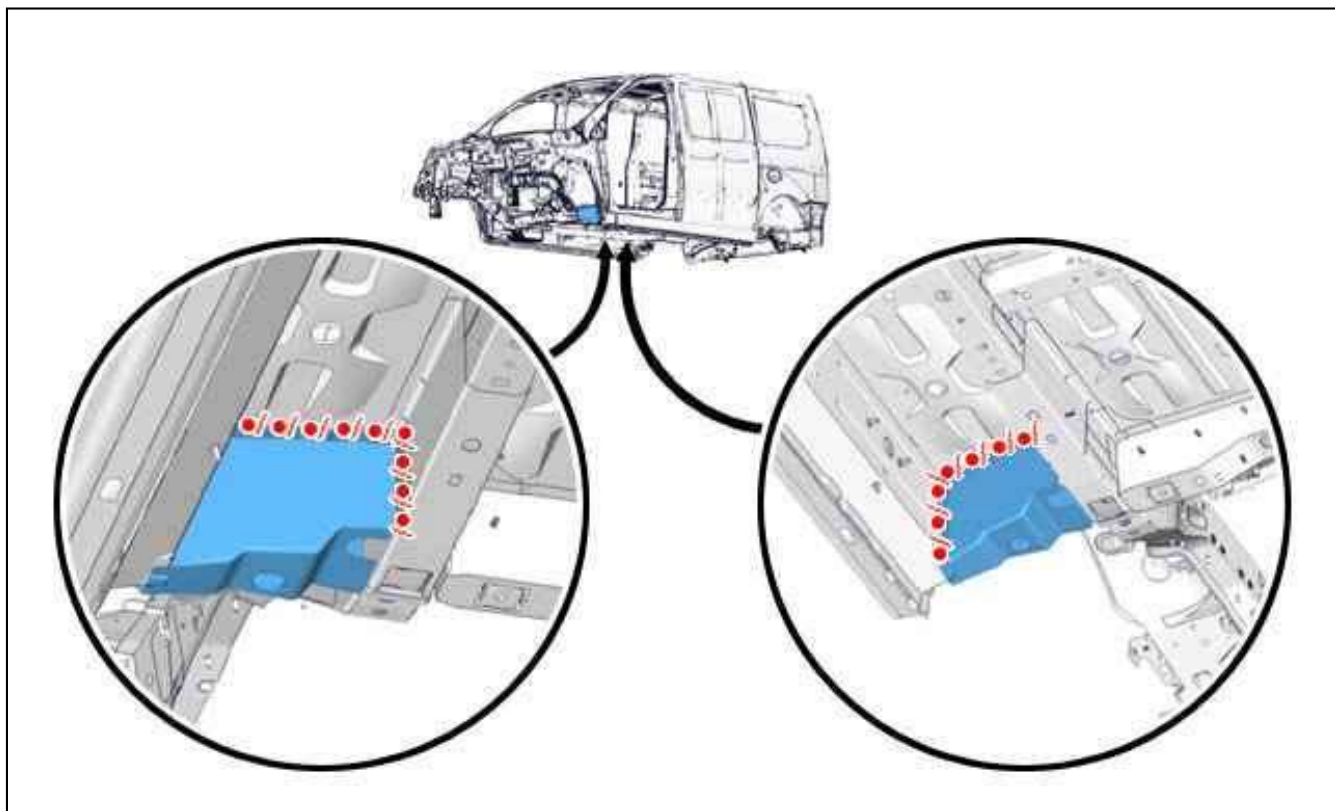


Figure : C4CM0CAD

Apply a phosphate-print layer on the zone laid bare.

Apply a sealing mastic of type "A1".

Paint then spray into the hollow sections, product index C5, in the repair zone.

9. Reinitialisation

Carry out the additional operations.

Reconnect the battery.

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

(1c)	Stabiliser bar support strengthener	2,64	HLE (**)
(1d)	Stabiliser bar support	2,44	HLE (**)
(1e)	Rear side member rear strengthener	1,95	HLE (**)
(1f)	Rear side member extension	1,95	HLE (**)
(1g)	D post lower strengthener	1,47	ADX (*)
(1h)	Rear suspension support	1,95	HLE (**)
(1j)	Rear suspension mounting strengthener	2,44	HLE (**)
(1k)	Beading stop support strengthener	1,95	HLE (**)
(1l)	Rear axle support	1,95	HLE (**)
(1m)	Intermediate seat crossmember end piece	1,47	HLE (**)
(1n)	Intermediate seat crossmember end piece strengthener	1,76	HLE (**)
(*) ADX : soft steel . (**) HLE : high-strength steel			

3. Replacement part preparation

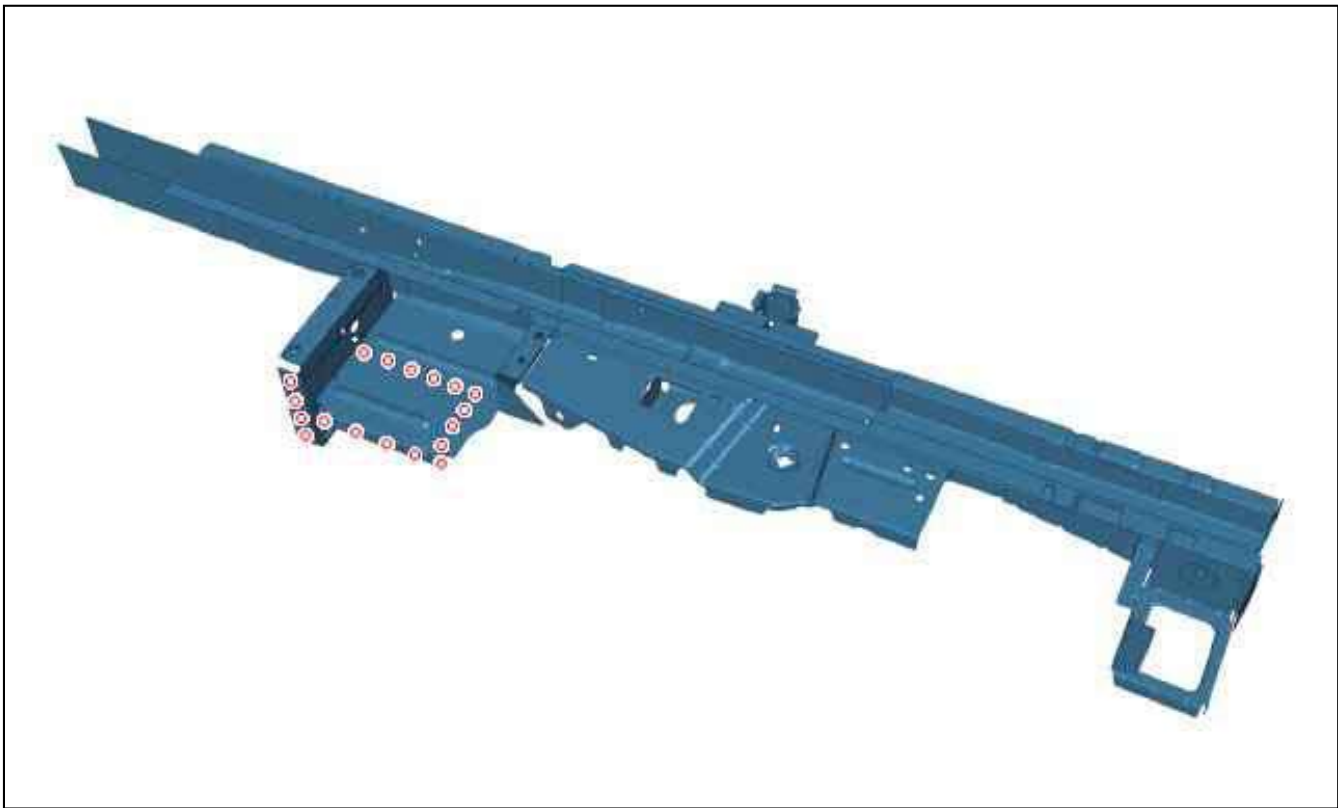


Figure : C4BP23MD

Mark then cut.

4. Cutting out

REMOVING - REFITTING : REAR BUMPER CROSSMEMBER

ESSENTIAL : Deactivate the pneumatic suspension before lifting the vehicle ⓘ (2 or 4 post lift, workshop jack or vehicle jack).

1. Removing

Remove the rear bumper ⓘ .

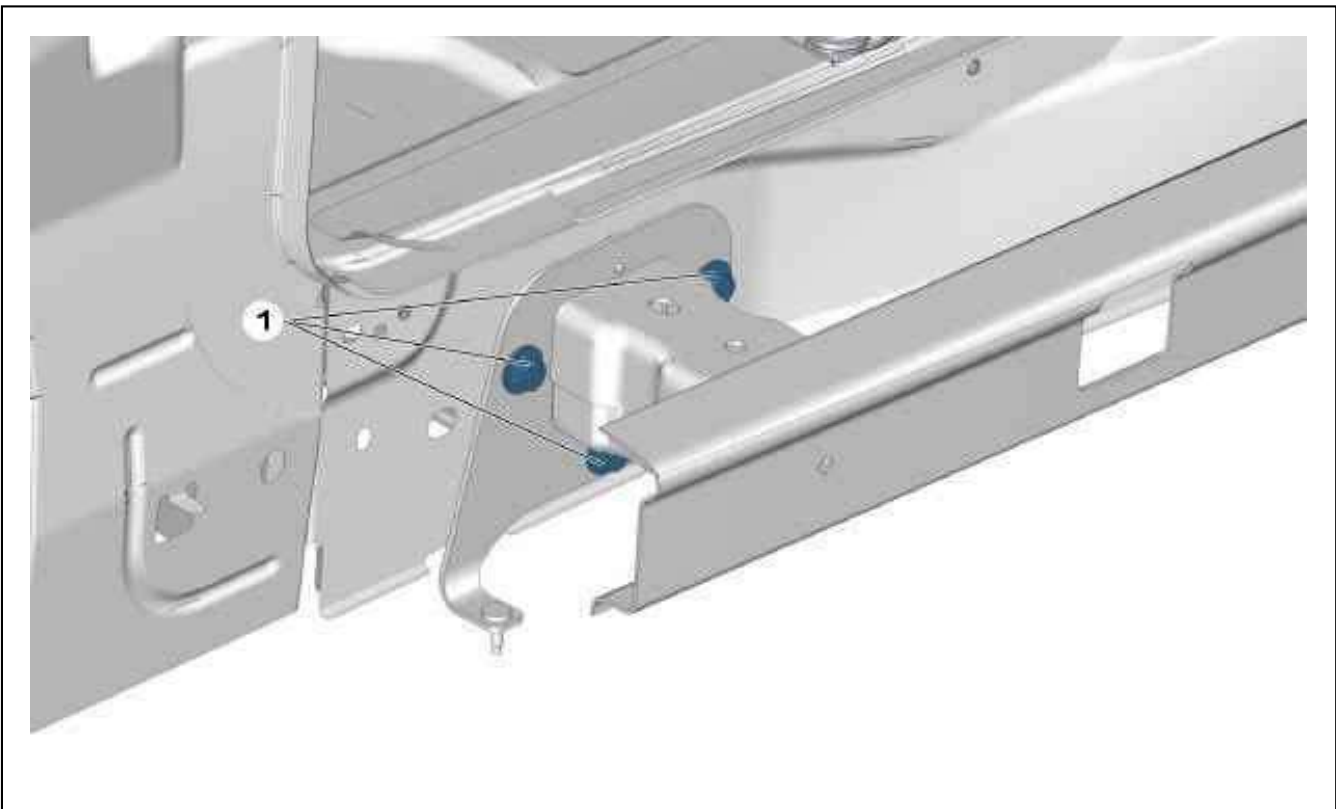


Figure : C4BP1ZDD

Remove the bolts (1).

Proceed in the same way for the other side.

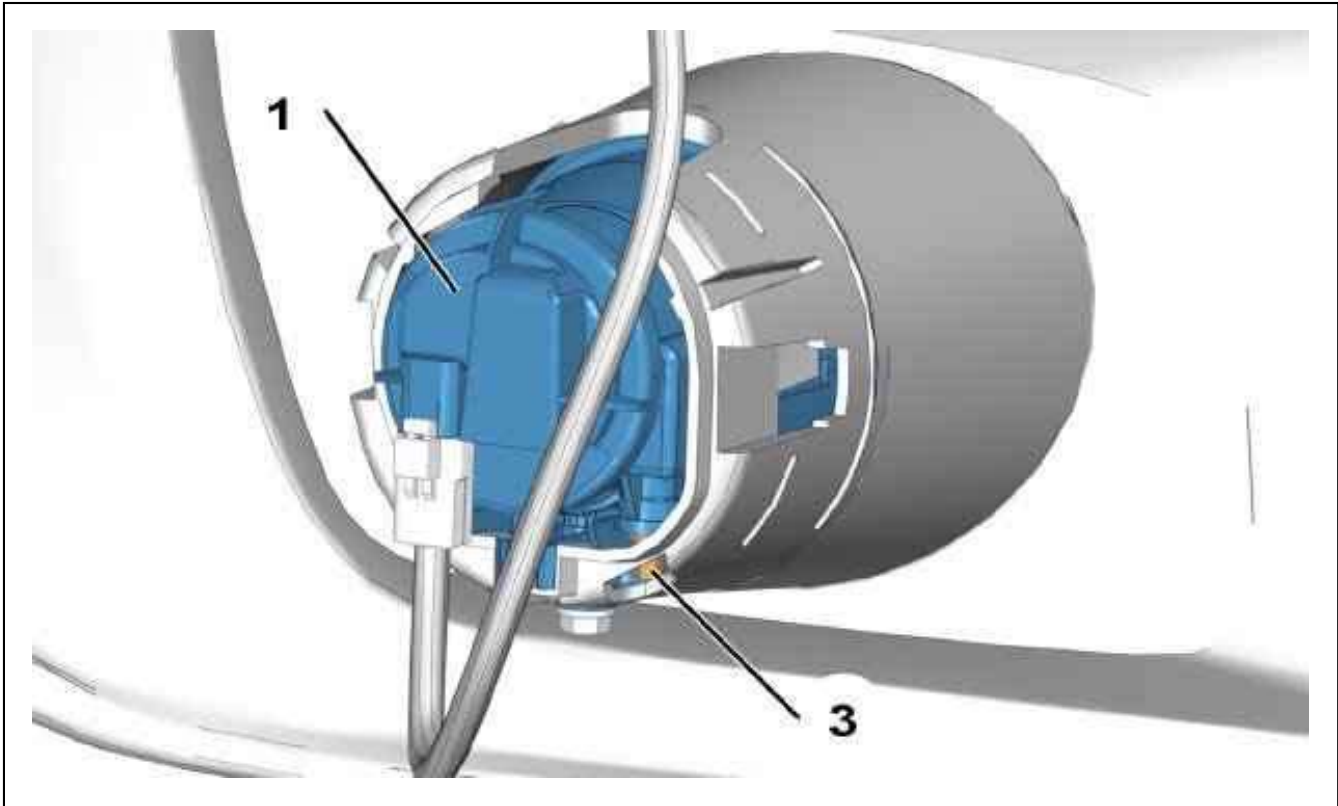


Figure : C5EP073D

Adjust the front fog lamp (1) ; Using the screws (3).

Put the front mud flap in place ⓘ .

Check all the equipment works.

- The rear wiper arm (9) ; Using tool [2]

Disconnect the screen wash pipe at the connection point (as "d").
Remove the bush/nut (10).

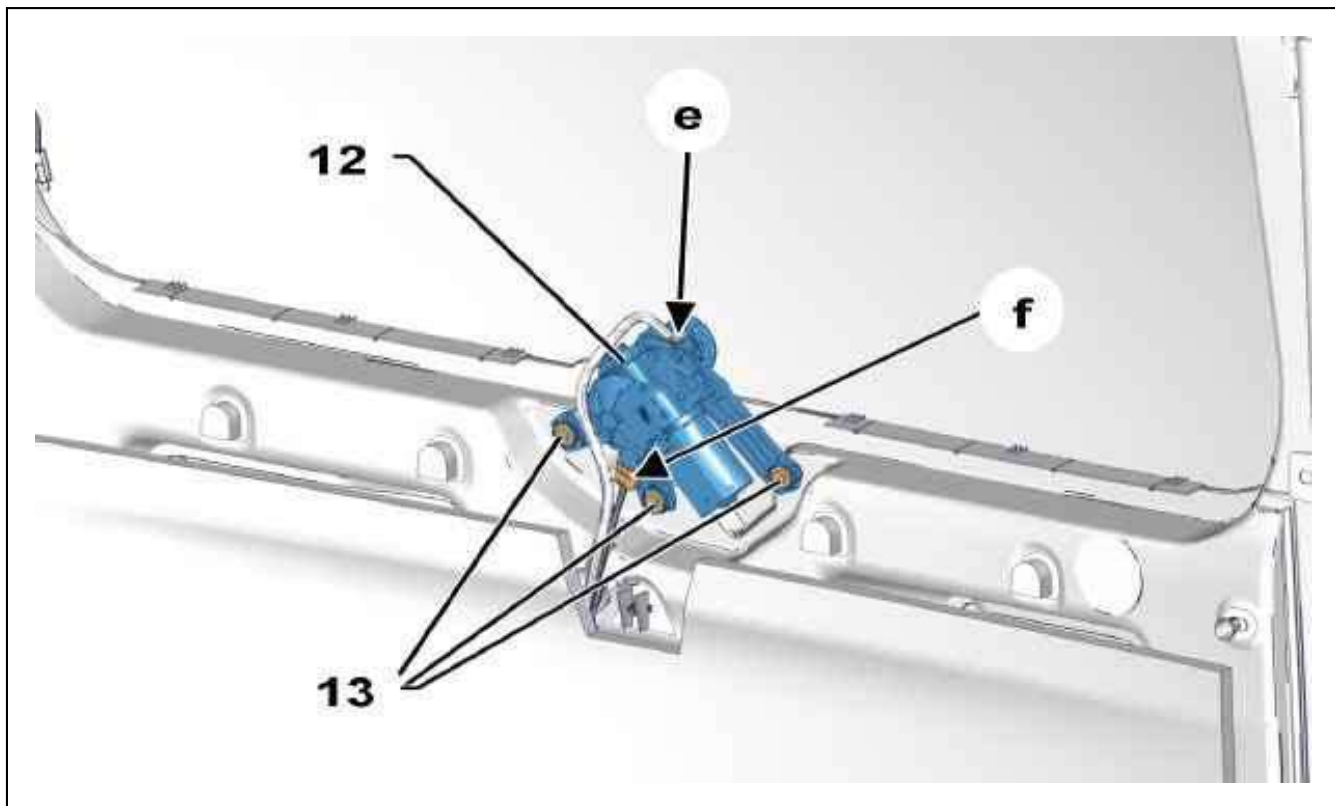


Figure : C5DP0B6D

Disconnect the screen wash pipe at the connection point (as "e").
Disconnect the connector "f".

Remove :

- The bolts (13)
- The rear wiper motor (12)

3. Refitting

3.1. Hinged rear door rear wiper motor

Open the glovebox .

Detach the lamp (4) ; Using tool [1].

Disconnect the connector (at "j").

Remove the lamp (4).

2.5. Audio/video peripheral socket

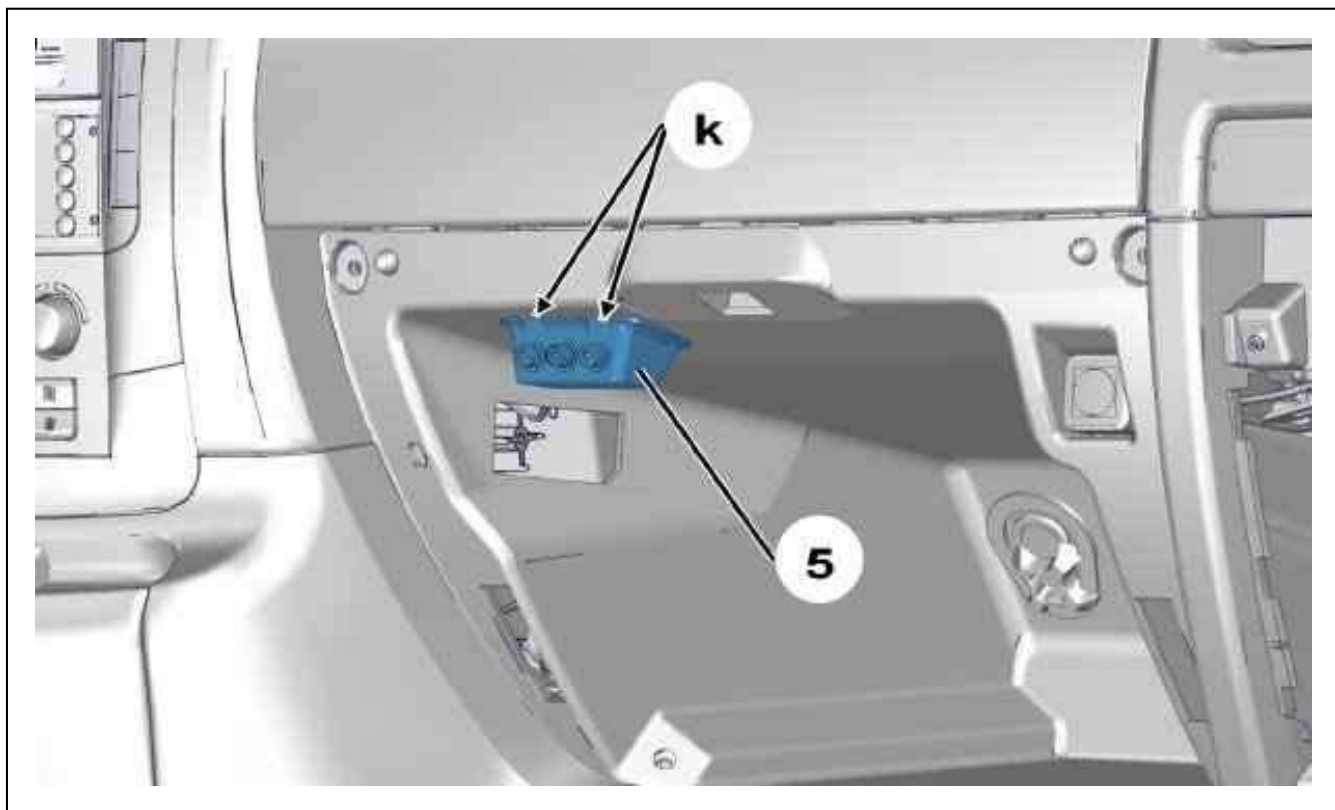


Figure : C5FP1EHD

N.B. : According to equipment.

Unclip the audio/video peripheral socket (5) (at " k") ; Using tool [1].

Release the audio/video peripheral socket (5).

2.6. Air conditioning control wheel

REMOVING - REFITTING : AIR BLOWER CONTROL MODULE (ADDITIONAL AIR CONDITIONING)

ESSENTIAL : Observe the safety and cleanliness recommendations.

1. Removing

Remove the rear right seat  (Row 3) (if necessary).

Remove the rear wing trim  (On the right-hand side).

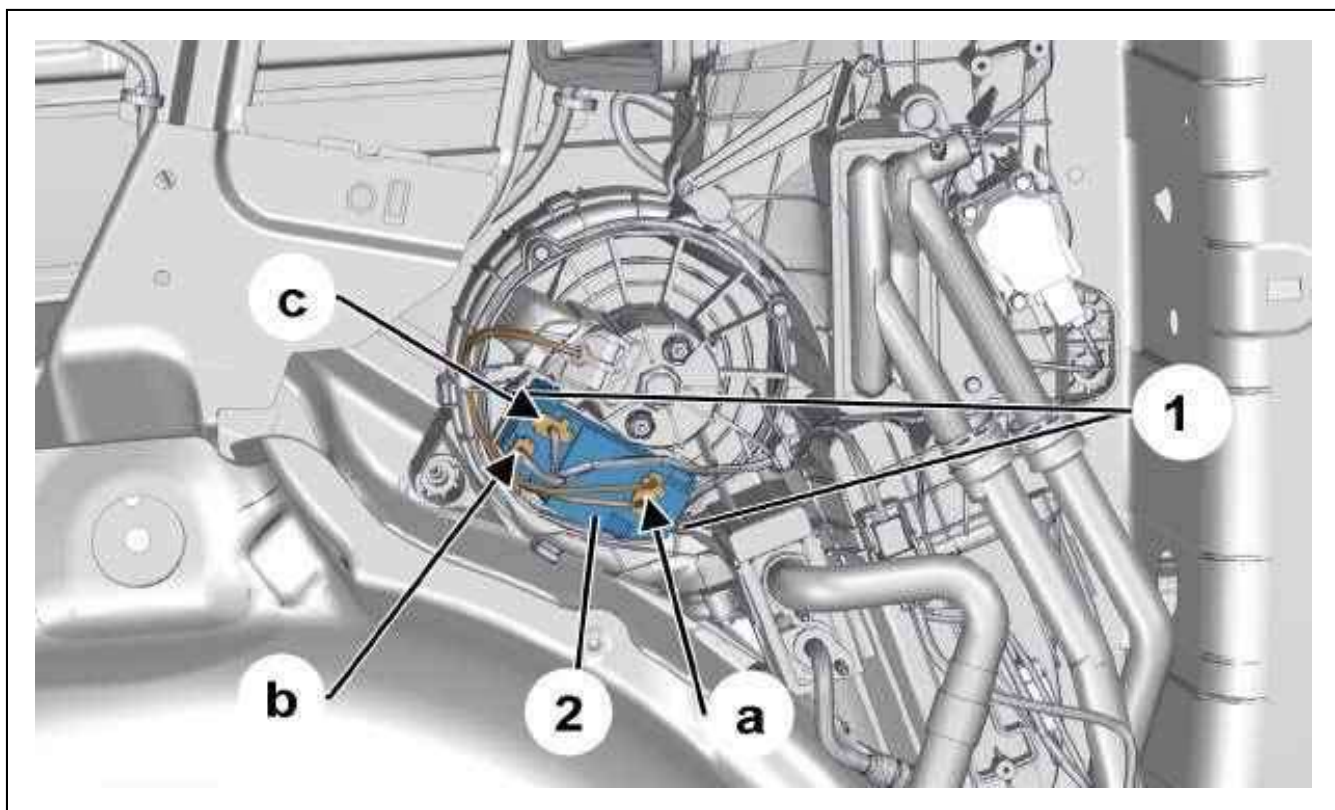


Figure : C5HM003D

Disconnect the connectors (as "a", "b", "c").

Remove :

- The 2 bolts (1)
- The blower control module (2)

2. Refitting

Refit :

- The blower control module (2)
- The 2 bolts (1)

Reconnect the connectors (as "a", "b", "c").

Refit: The rear wing trim  (On the right-hand side).

Refit the rear right seat  (Row 3) (if necessary).

Measure the ambient humidity and temperature of the workshop.

CAUTION : Position the thermometer at the windscreen demisting vent.

Note the following values after the air conditioning has been operating for 3 minutes :

- Air temperature at the outlet of the windscreen demisting vents
- Air conditioning circuit high pressure
- Air conditioning circuit low pressure

3. Interpretation of the values

3.1. Vehicles listed in Diagbox

Refer to the tool Diagbox in the Maintenance menu.

The tool Diagbox evaluates the efficiency of the cold loop with reference to the conformity graphs.

3.2. Vehicles not listed in DiagBox

N.B. : Remove and visually check the pollen filter before suggesting replacement of the pollen filter to the customer.

N.B. : If the customer complains of an unpleasant odour in his air conditioning, carry out an olfactory test of the air conditioning and suggest antibacterial treatment of the air conditioning to the customer.

Print the assessment available at the following (URL) address depending on language.

Follow the efficiency test procedure.

Access by intranet network	
German	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_DE.pdf
English	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_EN.pdf
Spanish	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_ES.pdf
French	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_FR.pdf
Italian	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_IT.pdf
Dutch	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_NL.pdf
Portuguese	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_PT.pdf
Czech	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_CS.pdf
Danish	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AP_Bilan_Clim_DA.pdf
Greek	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_EL.pdf
Croatian	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_HR.pdf
Hungarian	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_HU.pdf
Polish	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_PL.pdf
Russian	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_RU.pdf
Slovene	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_SL.pdf
Swedish	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_SV.pdf
Turkish	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_TR.pdf
Chinese	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_ZH.pdf
Finnish	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_FI.pdf
Japanese	Http://staticedocapvpr.citroen.inetpsa.com/AC/IFD/AC/documents/clim/AC_Bilan_Clim_JP.pdf

Access by internet network	

N.B. : Protect the carpet against coolant leaks.

Move aside the heating pipes (17).

Disengage the heater matrix (18)(In the direction of the arrow).

4. Refitting

Engage simultaneously :

- The pipes (17)
- The matrix (18)

Couple the pipes (17) to the heater matrix (18).

Refit :

- The retaining clips (16)
- The bolts (15)
- Retaining clamp (14)
- The (13) bolt
- The accelerator pedal (12)
- The nuts (11)

Reconnect the connector (at "a").

Refit :

- The fascia crossmember strengthening strut (10)
- The 4 bolts (9)

Couple up the air duct (8).

Refit :

- The centre console 
- The rubber seal (5)
- The retaining plate (4)
- The (6) bolt

Join the hoses (7).

Refit the locking clips (3).

Remove the tools [1].

Fill and bleed the cooling system.

Refit :

- The air inlet manifold (2)
- The 4 nuts (1)

Reconnect the battery.

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

Check the operation of the heat exchanger.

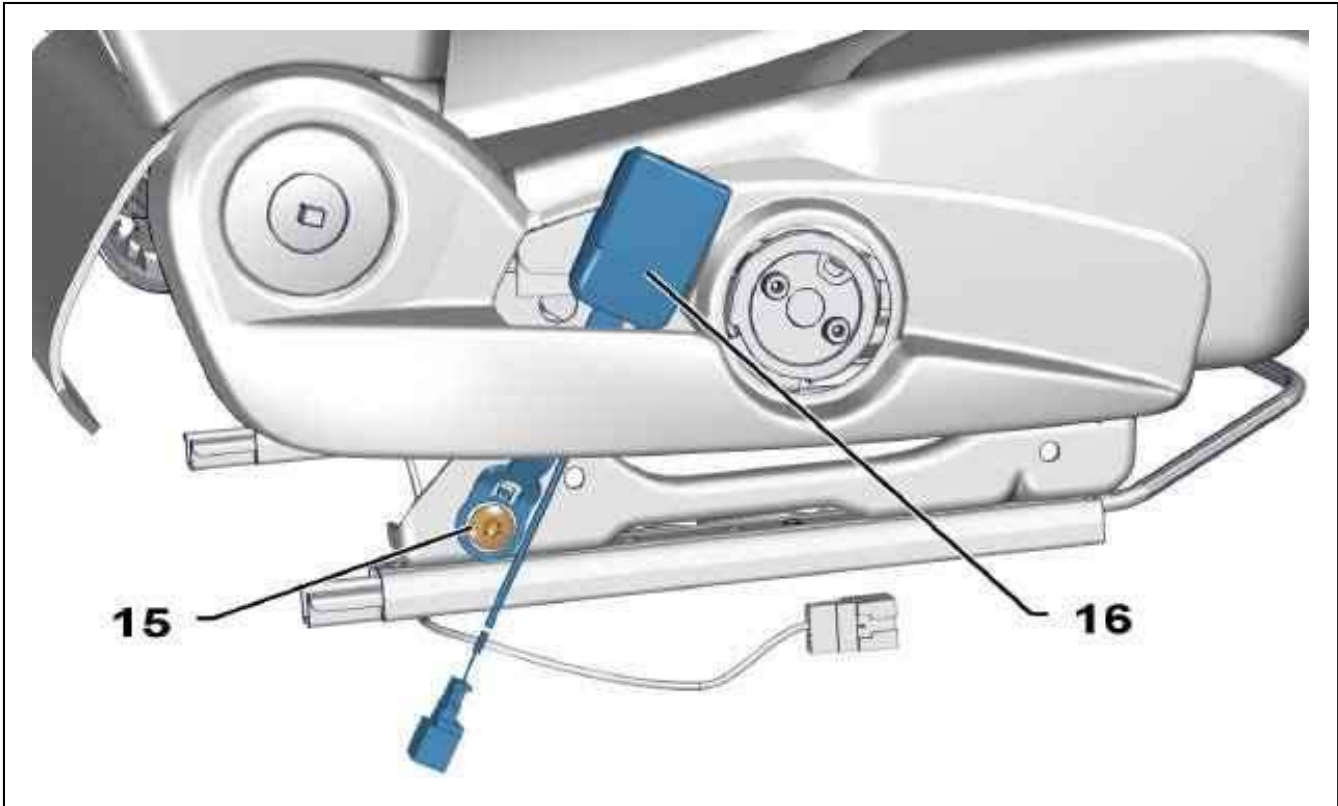


Figure : C5GP0XBD

Remove :

- The (15) bolt
- The front seat seat belt buckle strap (16)

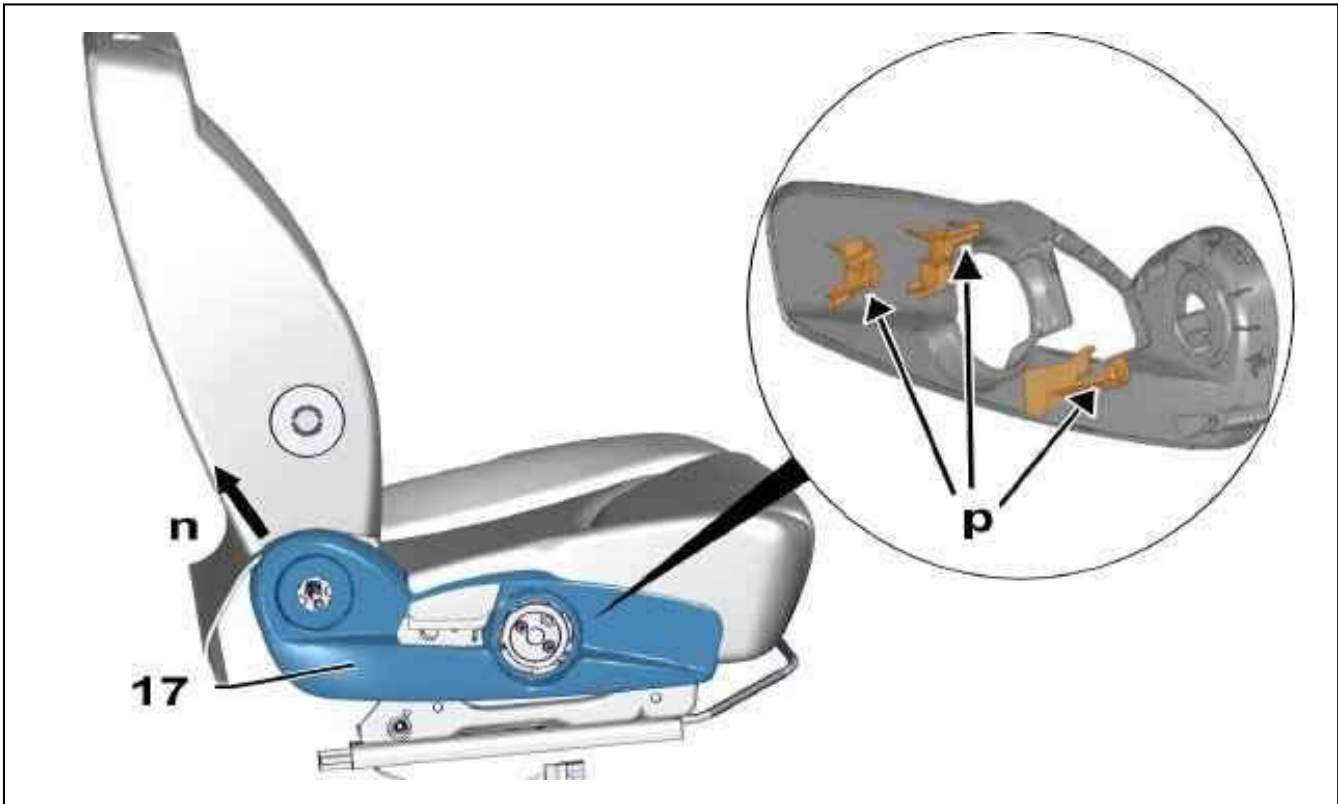


Figure : C5GP0XCD

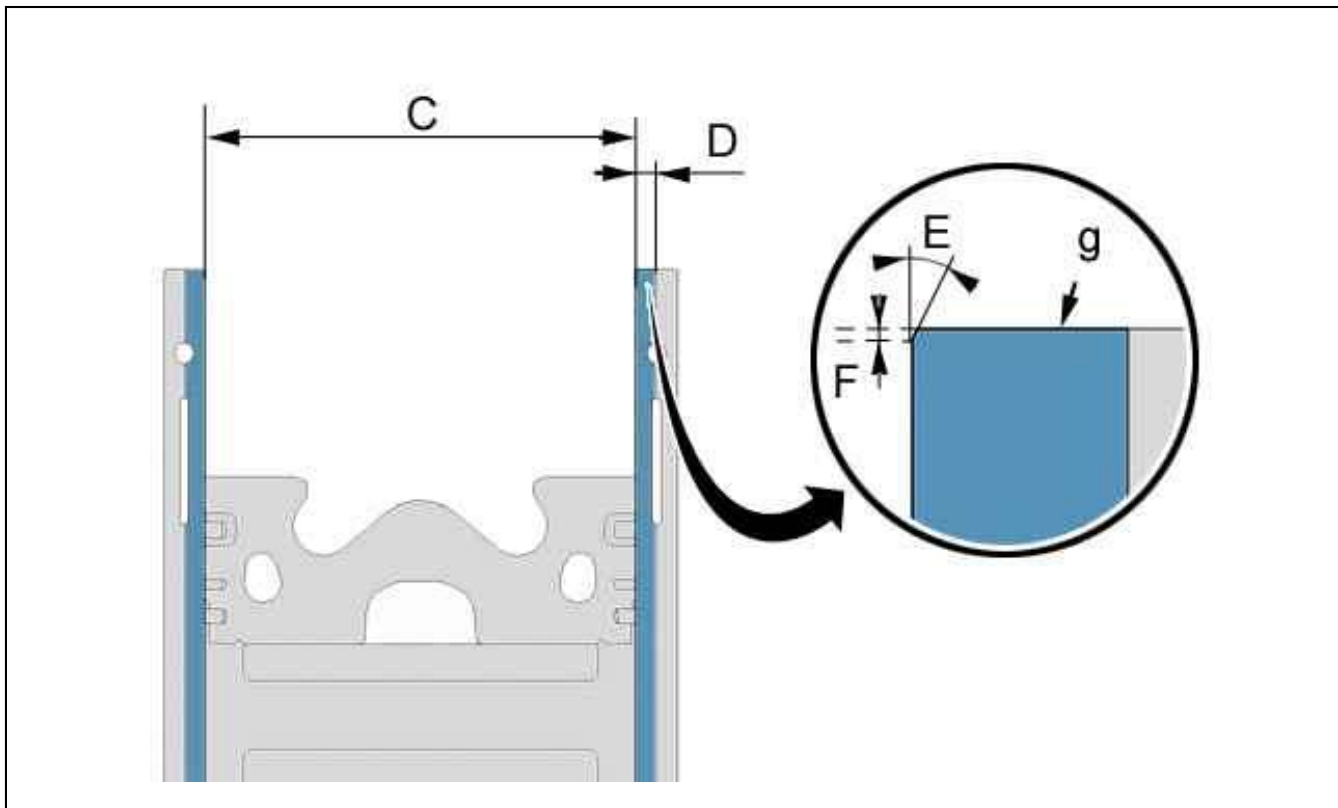


Figure : B1BB160D

Bore "C" of the cylinders (Identical on each cylinder)	
Description	Values
Nominal dimension	85 (+ 0,02 ; -0) mm

Cylinder inlet chamfers (Identical on each cylinder)	
Description	Values
Cylinder chamfer angle "E"	25° +/- 5°
Cylinder chamfer thickness "F"	0,4 ± 0,2 mm

Flatness of the sealing face (Around each cylinder)	
Description	Values
Max. surface variation (at "g")	0,03 mm
Minimum surface "D"	5,5 mm

N.B. : The flatness is defined on the surface "g" of each cylinder.

1.4. Checking the diameters of the cylinders

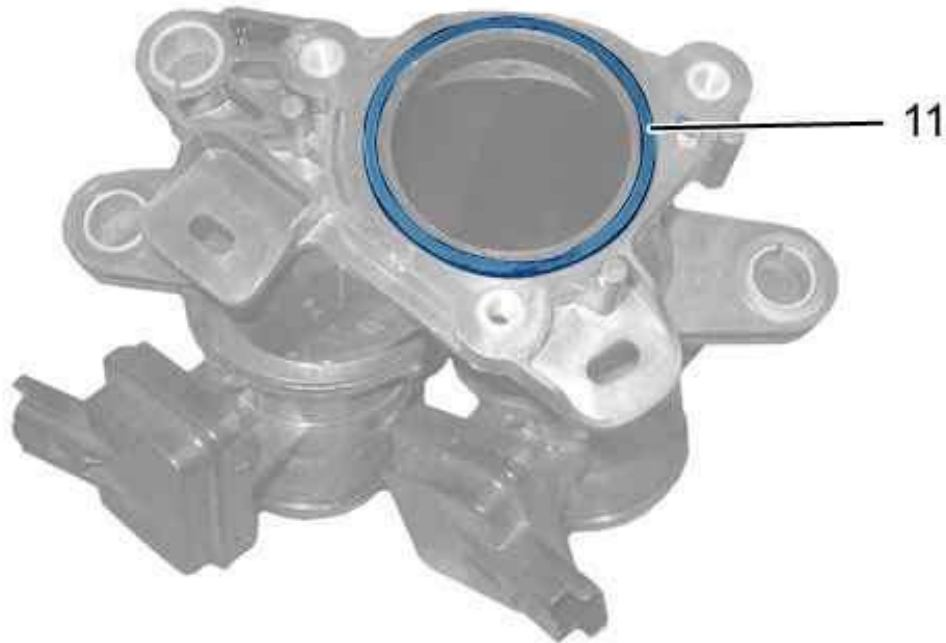


Figure : B1HG215D

CAUTION : Check the condition of the seal (11) ; Exchange it if necessary.

Position :

- The seal (11) on the inlet air mixer unit (10)
- The inlet air metering unit (10)

Tightening procedure : Inlet air mixer unit assembly (10) / support (7) :

- Tighten the mountings (6) by hand ; The support (7) must be properly seated, allowing lateral movement
- Tighten the bolts (9) to torque
- Tighten the bolts (8) to torque
- Tighten the mountings (6) to the specified torque

Couple up :

- The vacuum pipes (5) (as "c")
- The air inlet unions (4)

Clip in place :

- The vacuum pipes (5)
- The electrical harness (as "a")

Connect the sensors (as "b").

CAUTION : Remove the protection on the cooling radiator.

Refit :

- The engine cover (2)
- The passenger compartment air inlet manifold (3)
- The cooling fan control relay unit (1)