

REMOVING - REFITTING : ANCILLARY DRIVE BELT

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

1. Tooling

Equipment :

- 15 mm 6-sided socket
- Extension 1/2
- 1/2 sliding handle

tool	Reference	Designation
 [0188-Q1] Figure : E5AB05JT	[0188-Q1]	4 mm dia. peg

2. Removing

Raise the vehicle, wheels hanging.

Turn the steering to right-hand full lock.

Remove the right-hand front mudguard.

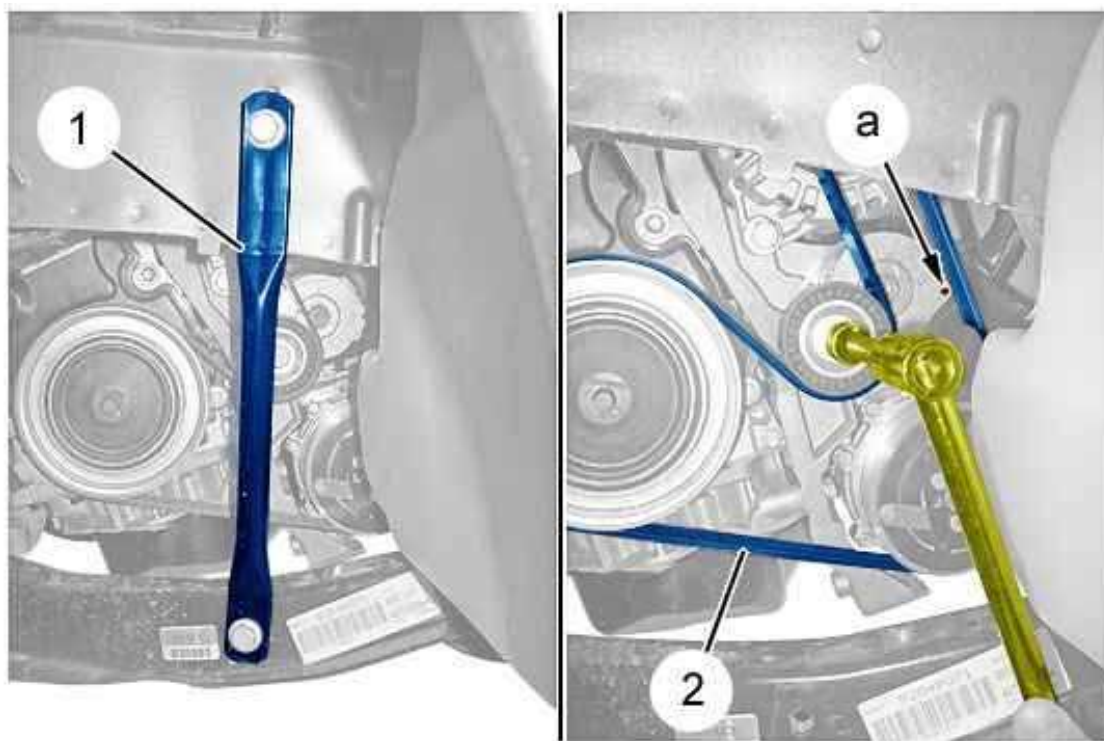


Figure : B1BG1EBD

CAUTION : Mark the direction of fitting of the ancillary drive belt if it is to be reused.

Remove the stiffener (1).

Keep the dynamic tensioner tensioned.

Peg (as "a") ; Using tool [0188-Q1].

Remove the accessories drive belt (2).

3. Checks

Make the following checks :

- Confirm the absence of points of resistance, noise and traces of grease on the dynamic tensioner and accessory pulleys
- Check there is no oil on the accessory drive belt
- Visually inspect the belt, flexing it slightly to check that it has no splits or cracks on the back or in the grooves

Replace any defective parts.

4. Refitting

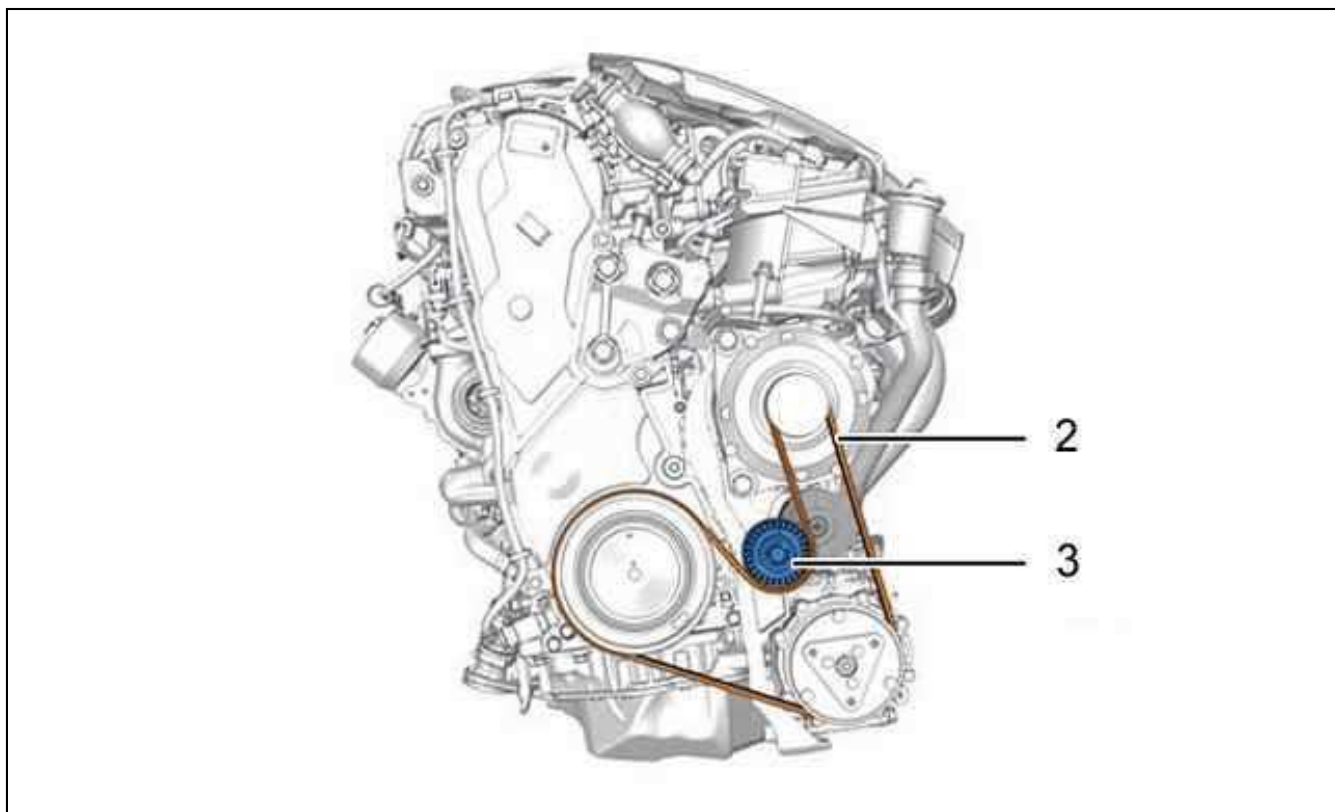


Figure : B1BG1ECD

CAUTION : If re-using the existing accessories drive belt, refit it in the correct fitting direction.

Refit the ancillary belt (2).

CAUTION : Check that the belt is correctly fitted in the grooves of the different pulleys.

Remove the peg [0188-Q1] while compressing the dynamic tensioner (3).

Refit :

- The stiffener (1)
- The front right mud guard

CHECKING AND ADJUSTING VALUES : AXLE GEOMETRIES

1. Recommended tools

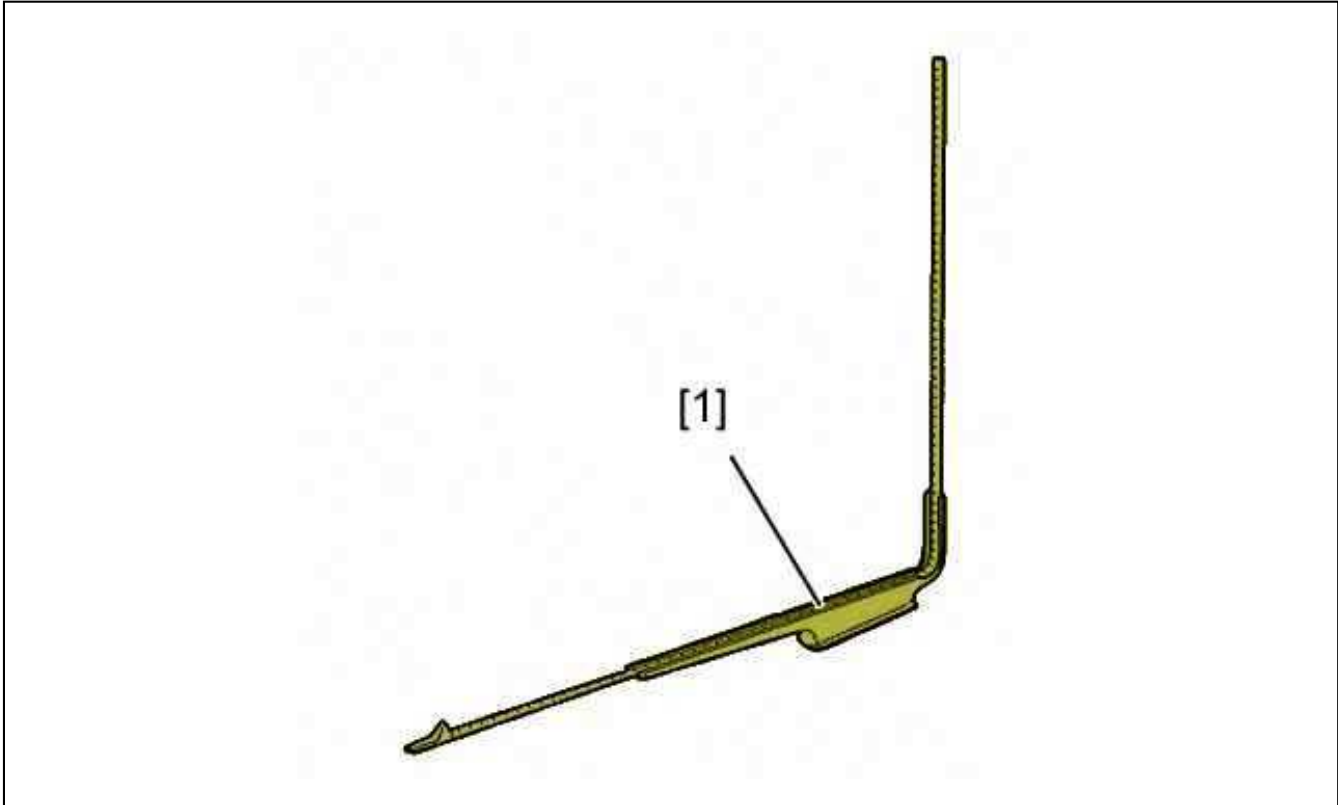


Figure : E5AP3UCD

Reference	Designation	Reference
[1]	Under body height gauge	FACOM U.70-10

2. Checking and adjusting requirements

Check that the vehicle's tyres are at the correct pressure.
The geometry values are checked at the reference height.

3. Vehicle heights at setting height

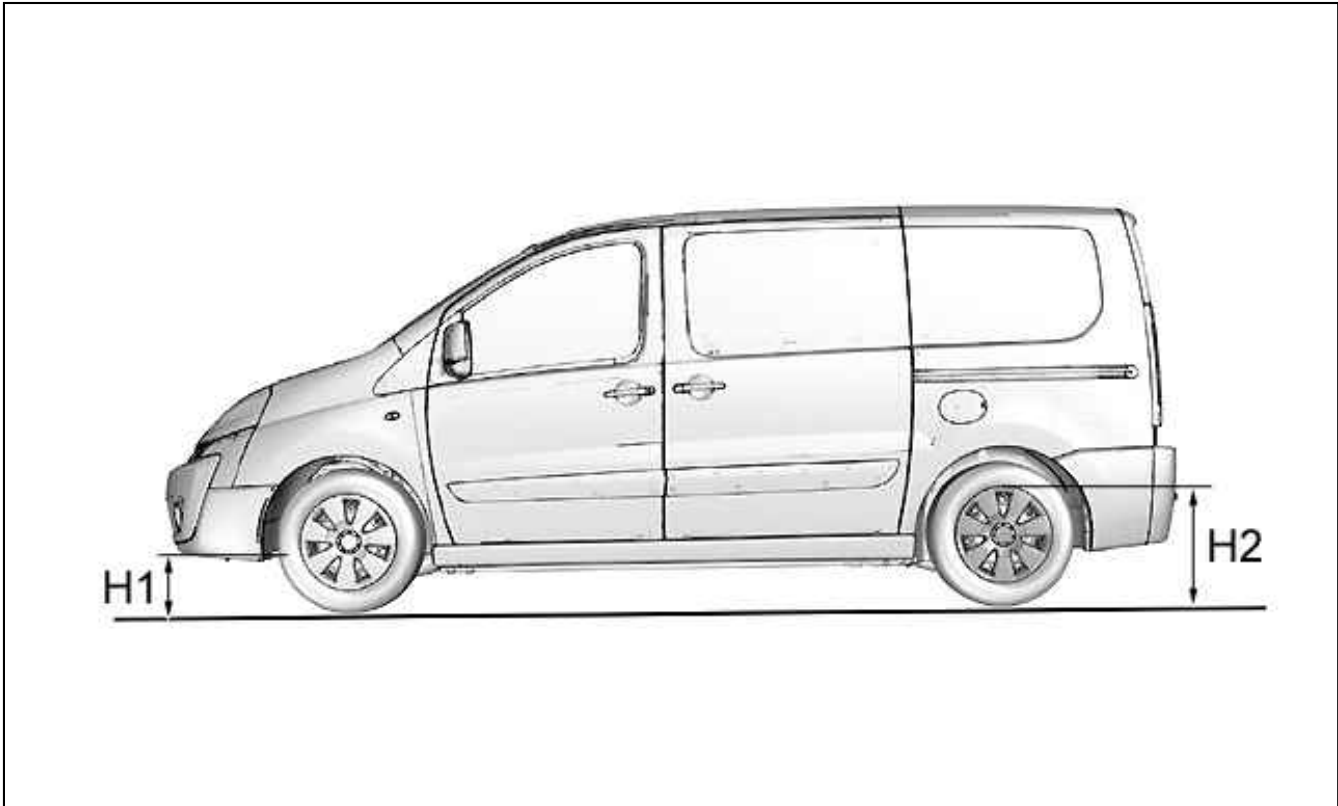


Figure : E1AP18ND

Key :

- "H1": Dimension between measuring zone under the front subframe and the ground
- "H2": Dimension between measuring zone under the rear side rail and the ground

3.1. Setting the reference height

Place the vehicle at its reference ride height ⓘ .

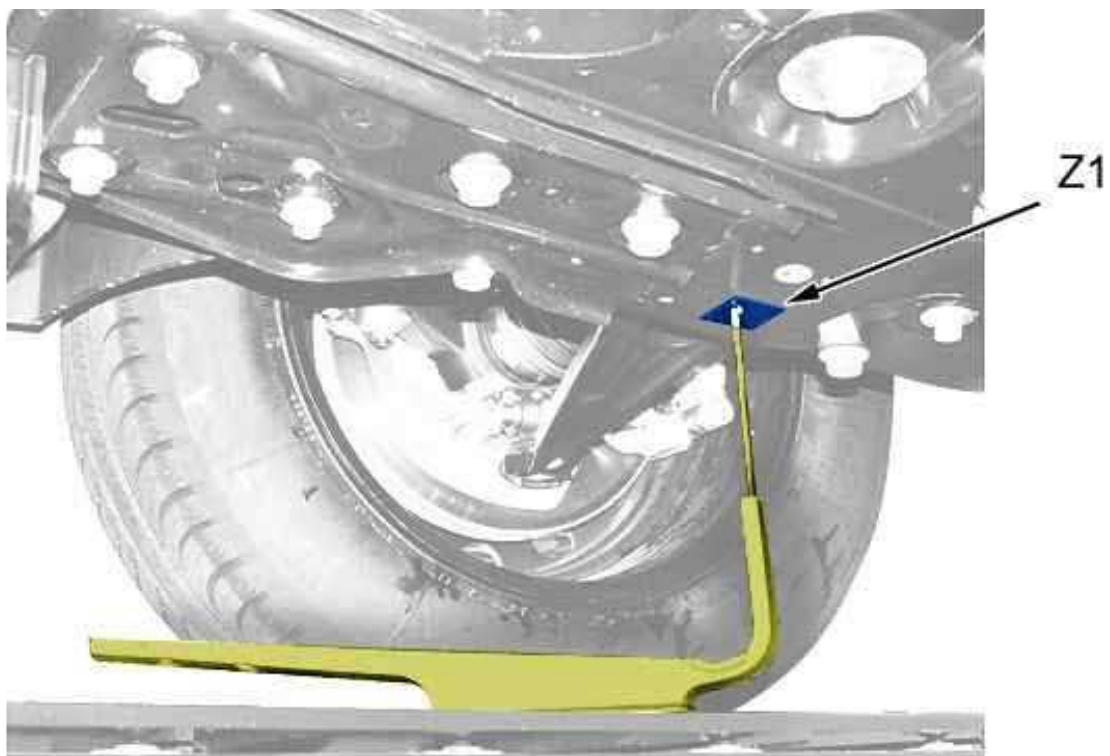


Figure : B3BP1JJD

"Z1": Measuring zone under the front subframe.

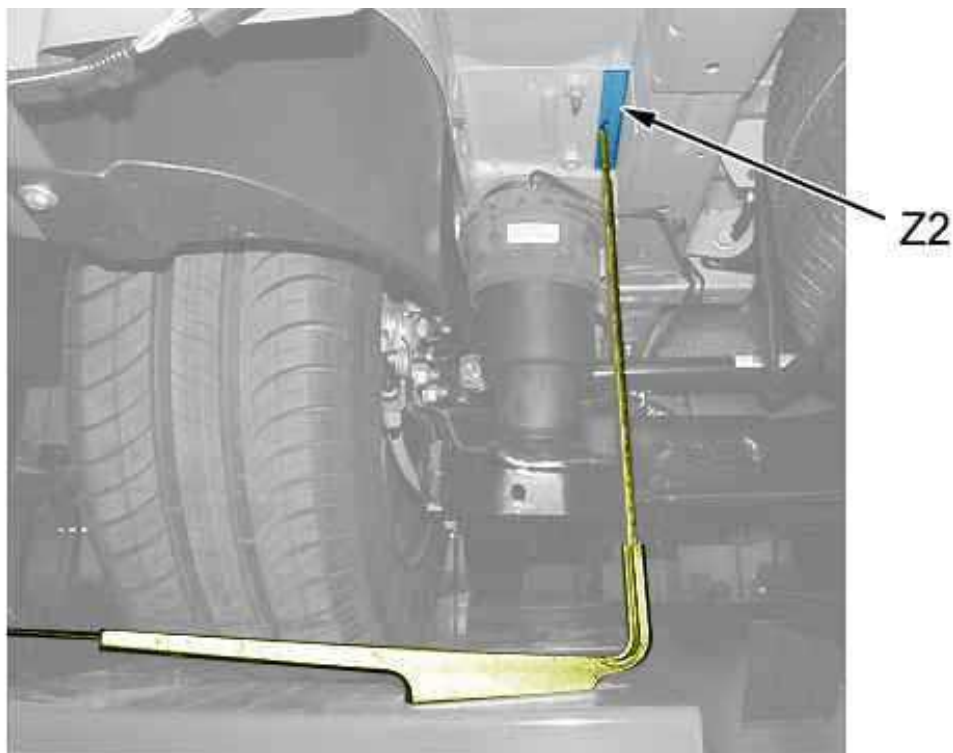


Figure : B3BP1JKD

"Z2": Measuring zone under the rear longeron.

3.2. Front suspension

Value at setting height H1 : Vehicle with metal suspension and pneumatic suspension				
Front suspension	Short utility vehicle		Long utility vehicle	Combi Court- Combi Long -
tyre	215/65 R15	215/60 R16	215/60 R16	215/60 R16
H1 (mm)	172	176	176	182

Compress the front suspension until the value H1 is obtained.

The difference in height between the two sides of the front axle must be less than 10 mm.

3.3. Rear suspension

Value at setting height H2 : Vehicle with metal suspension				
Rear suspension	Combi Court- Combi Long		Short utility vehicle	
tyre	215/60 R16		215/65 R15	215/60 R16
H2 (mm)	460		417	421

Value at setting height H2 : Vehicle with pneumatic suspension					
Rear suspension	Combi court	Combi long	Short utility vehicle		Long utility vehicle
tyre	215/60 R16	215/60 R16	215/65 R15	215/60 R16	215/60 R16
H2 (mm)	454	453	450	454	421

Compress the rear suspension until the value H2 is obtained.

The difference in height between the two sides of the rear suspension must be less than 10 mm.

4. Front and rear axle geometry

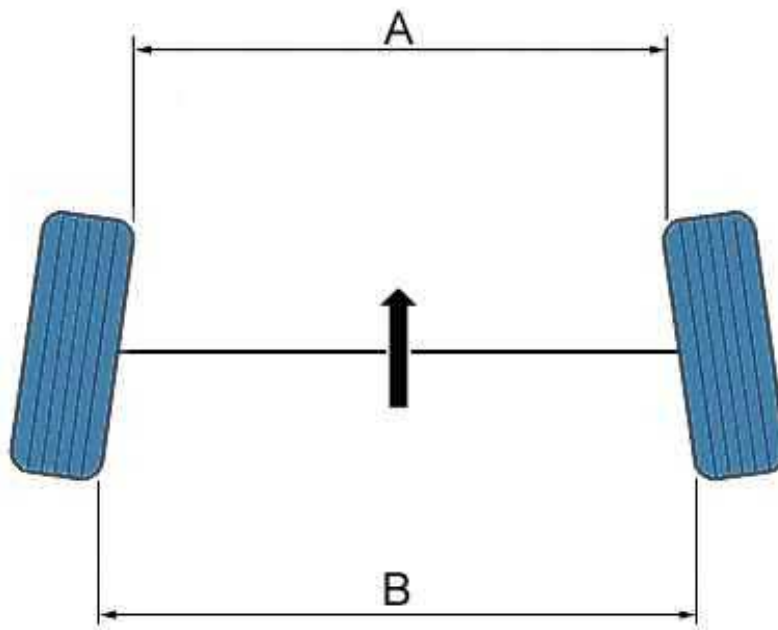


Figure : B3CP0BUD

"A" less than "B": Positive figure (+) (toe-in).

"A" more than "B": Negative figure (-) (opening).

4.1. Front suspension

Checking values ; Combi vehicles				
	Short		Long	
Special feature	Metallic suspension	Pneumatic suspension	Metallic suspension	Pneumatic suspension
tyres	215/60 R16			
Camber (not adjustable)	$0^{\circ} \pm 0^{\circ}30'$		$0^{\circ} \pm 0^{\circ}30'$	
Castor (not adjustable)	$3^{\circ}34' \pm 0^{\circ}30'$	$3^{\circ}41' \pm 0^{\circ}30'$	$3^{\circ}39' \pm 0^{\circ}30'$	$3^{\circ}46' \pm 0^{\circ}30'$
Pivot angle (not adjustable)	$12^{\circ}08' \pm 0^{\circ}30'$		$12^{\circ}08' \pm 0^{\circ}30'$	
Tracking at the axle (adjustable)	$-0^{\circ}09' \pm 0^{\circ}09'$		$+0^{\circ}17' \pm 0^{\circ}09'$	
Tracking at the wheel (adjustable)	$-0^{\circ}04' \pm 0^{\circ}04'$		$+0^{\circ}09' \pm 0^{\circ}04'$	

Lower camber dissymmetry at $0^{\circ}18'$.

Lower pivot angle dissymmetry at $0^{\circ}24'$.

Distribute the global parallelism value symmetrically, left wheel-right wheel.

Checking values ; Utility vehicle				
	Short		Long	
Special feature	Metallic suspension	Pneumatic suspension	Metallic suspension	Pneumatic suspension
tyres	215/65 R15 - 215/60 R16		215/60 R16	
Camber (not adjustable)	$0^{\circ}05' \pm 0^{\circ}30'$		$0^{\circ}05' \pm 0^{\circ}30'$	
Castor (not adjustable)	$4^{\circ}15' \pm 0^{\circ}30'$	$3^{\circ}39' \pm 0^{\circ}30'$	$4^{\circ}18' \pm 0^{\circ}30'$	$3^{\circ}43' \pm 0^{\circ}30'$
Pivot angle (not adjustable)	$12^{\circ}15' \pm 0^{\circ}30'$		$12^{\circ}15' \pm 0^{\circ}30'$	
Tracking at the axle (adjustable)	$-0^{\circ}17' \pm 0^{\circ}09'$		$+0^{\circ}17' \pm 0^{\circ}09'$	
Tracking at the wheel (adjustable)	$-0^{\circ}09' \pm 0^{\circ}04'$		$+0^{\circ}09' \pm 0^{\circ}04'$	

Lower camber dissymmetry at $0^{\circ}18'$.

Lower pivot angle dissymmetry at $0^{\circ}24'$.

Distribute the global parallelism value symmetrically, left wheel-right wheel.

4.2. Rear suspension

Checking values ; Combi vehicles				
	Short		Long	
Special feature	Metallic suspension	Pneumatic suspension	Metallic suspension	Pneumatic suspension
tyres	215/60 R16		215/60 R16	
Camber (not adjustable)	$-1^{\circ}42' \pm 0^{\circ}30'$		$-1^{\circ}42' \pm 0^{\circ}30'$	
Tracking at the axle (not adjustable)	$+0^{\circ}38' \pm 0^{\circ}09'$	$+0^{\circ}40' \pm 0^{\circ}09'$	$+0^{\circ}39' \pm 0^{\circ}09'$	$+0^{\circ}40' \pm 0^{\circ}09'$
Tracking at the wheel (not adjustable)	$+0^{\circ}19' \pm 0^{\circ}04'$	$+0^{\circ}19' \pm 0^{\circ}04'$	$+0^{\circ}19' \pm 0^{\circ}04'$	$+0^{\circ}20' \pm 0^{\circ}04'$

Lower camber dissymmetry at 0°18'.

Checking values ; Utility vehicle				
	Short		Long	
Special feature	Metallic suspension	Pneumatic suspension	Metallic suspension	Pneumatic suspension
tyres	215/65 R15 - 215/60 R16		215/60 R16	
Camber (not adjustable)	-1°48' ± 0°30'	-1°42' ± 0°30'	-1°48' ± 0°30'	-1°42' ± 0°30'
Tracking at the axle (not adjustable)	+0°47' ± 0°09'	+0°40' ± 0°09'	+0°50' ± 0°09'	+0°40' ± 0°09'
Tracking at the wheel (not adjustable)	+0°24' ± 0°04'	+0°19' ± 0°04'	+0°25' ± 0°04'	+0°20' ± 0°04'

Lower camber dissymmetry at 0°18'.

ADJUSTMENT : SETTING THE REFERENCE HEIGHT

1. Recommended tools

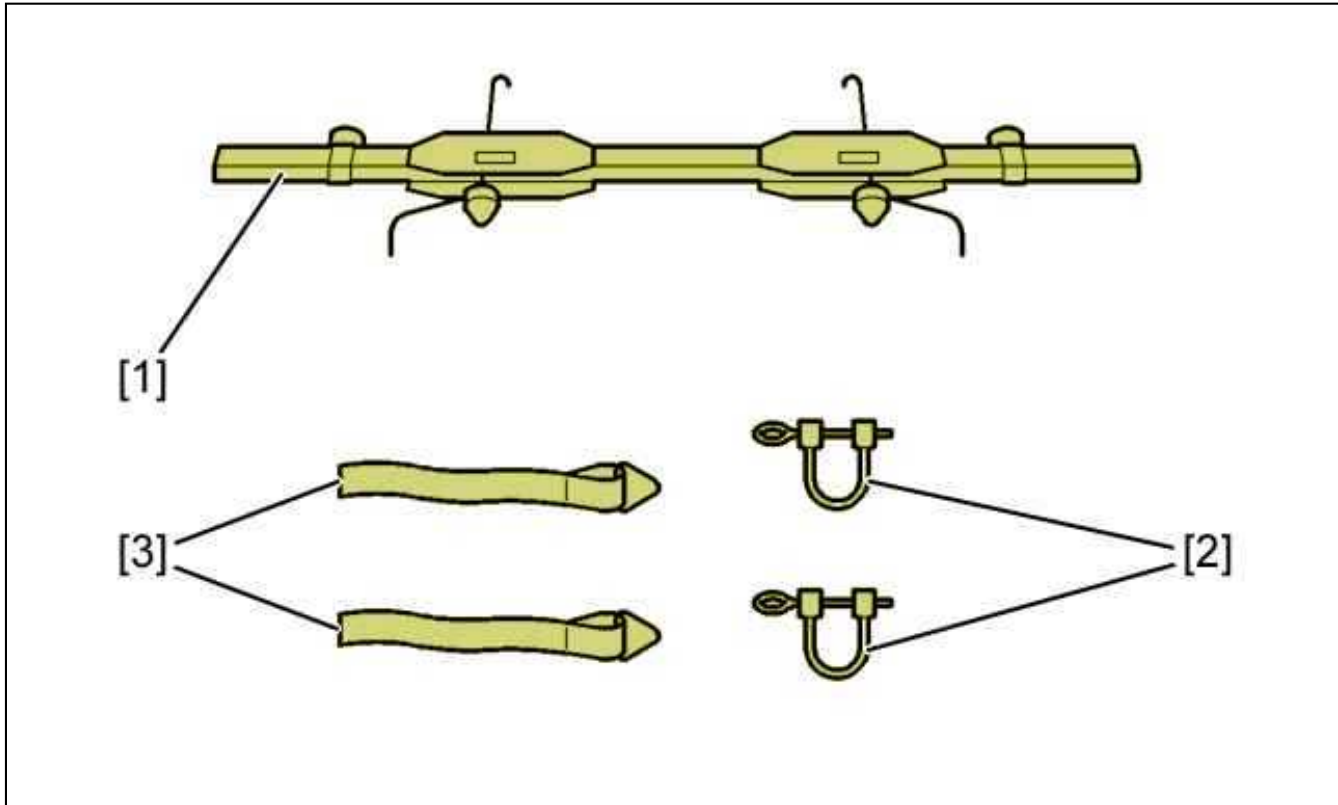


Figure : E5AP3BFD

Reference	Designation	Reference	Reference
[1]	Suspension compressors	9511-T.A	(-).0916-A
[2]	Set of 2 shackles	9511-T.C	(-).0916-C
[3]	Set of 2 straps	9511-T.B	(-).0916-B

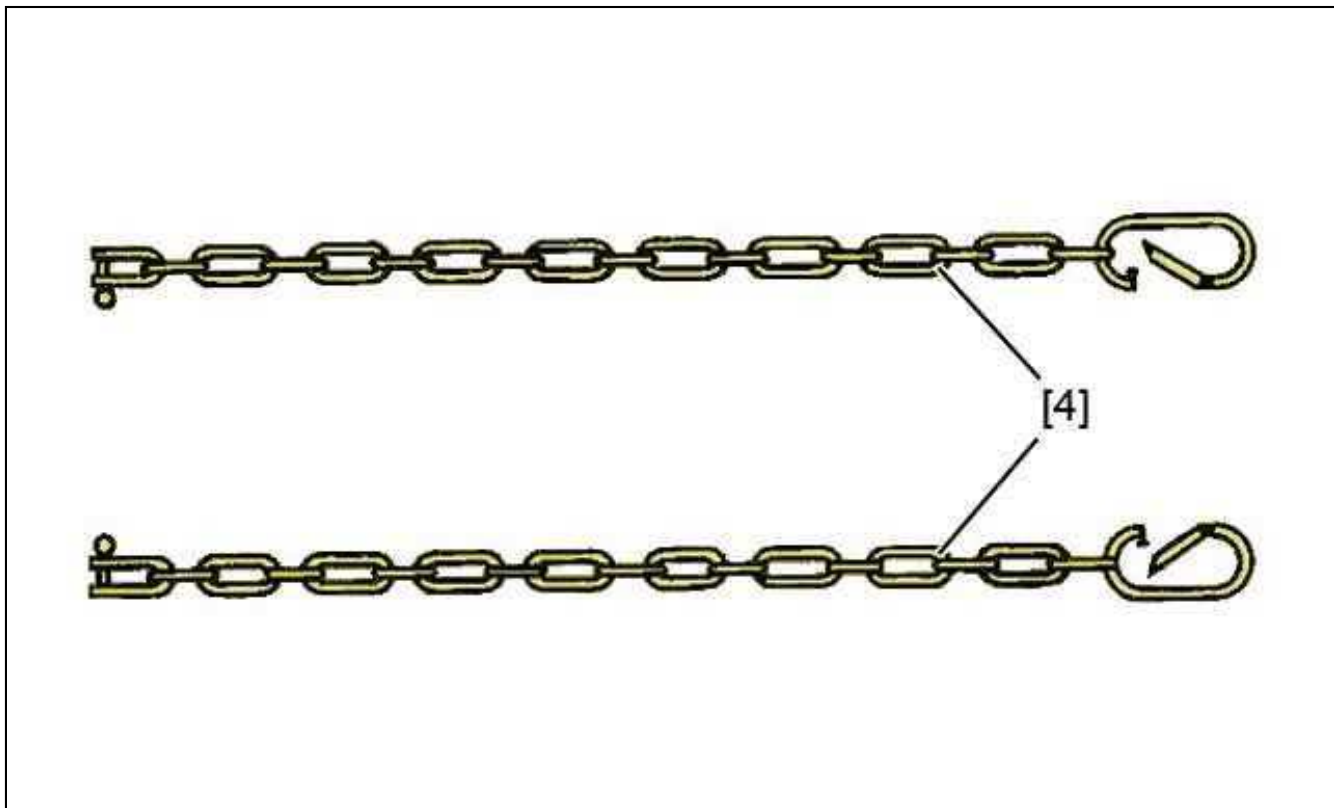


Figure : E5AP3UED

Reference	Designation	Reference	Reference
[4]	Set of 2 slings	9511-T.D	(-).0102-M

2. Setting the reference height

CAUTION : Front and rear suspension geometry checks and front suspension geometry adjustment must be performed with the suspension accurately compressed to the reference height, in a suspension checking bay.

Check :

- The tyres and their pressures are correct
- The front wheels are in the straight ahead position

2.1. At the front (H1)

Remove the under engine protection ⓘ.

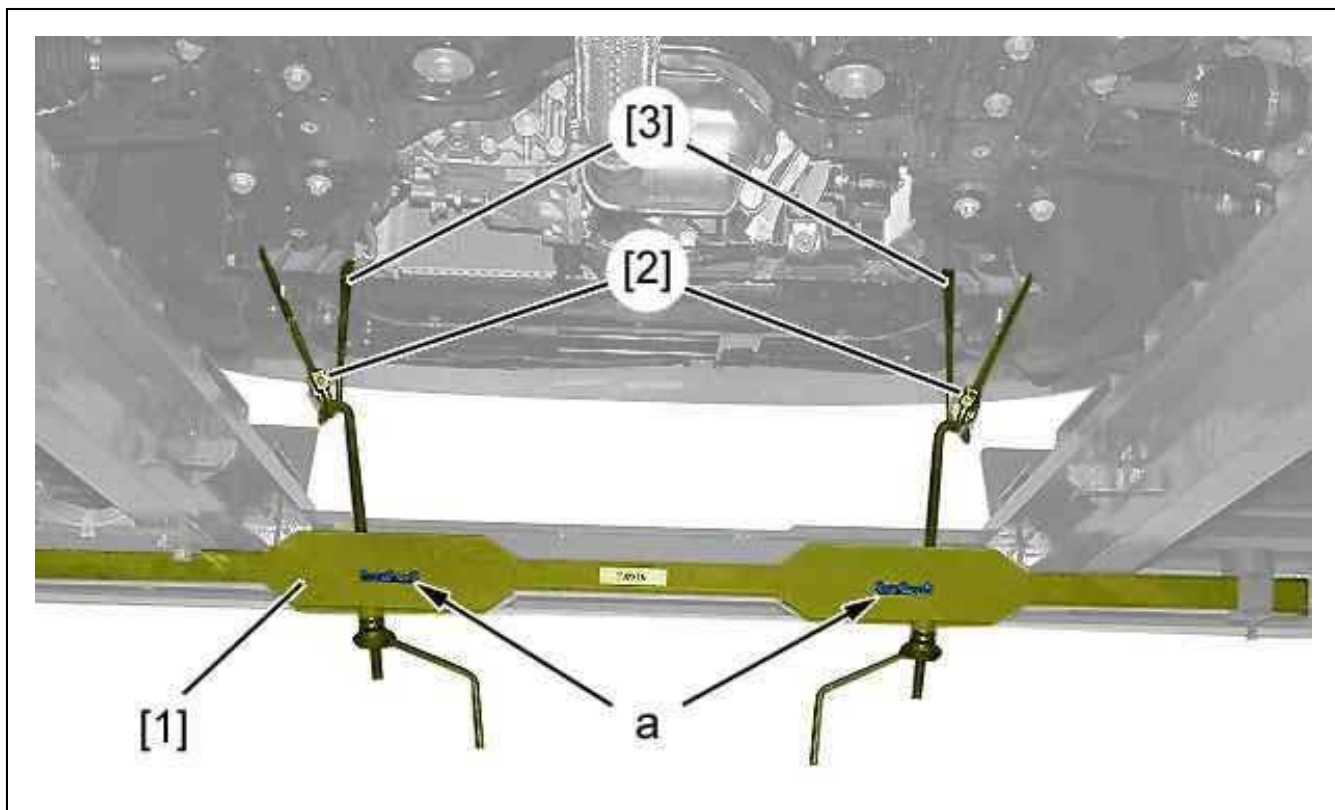


Figure : B3BP1JLD

Engage the straps [3] fitted with their shackles [2] on the sub frame.

Attach the spring compressor [1] selecting the notch (a) which gives a pull as nearly vertical as possible on the straps.

CAUTION : Take into account the height of the platforms when measuring the reference height H1.

Compress the suspension to obtain the front body height (H1) on the right-hand side and on the left-hand side



2.2. At the rear (H2)

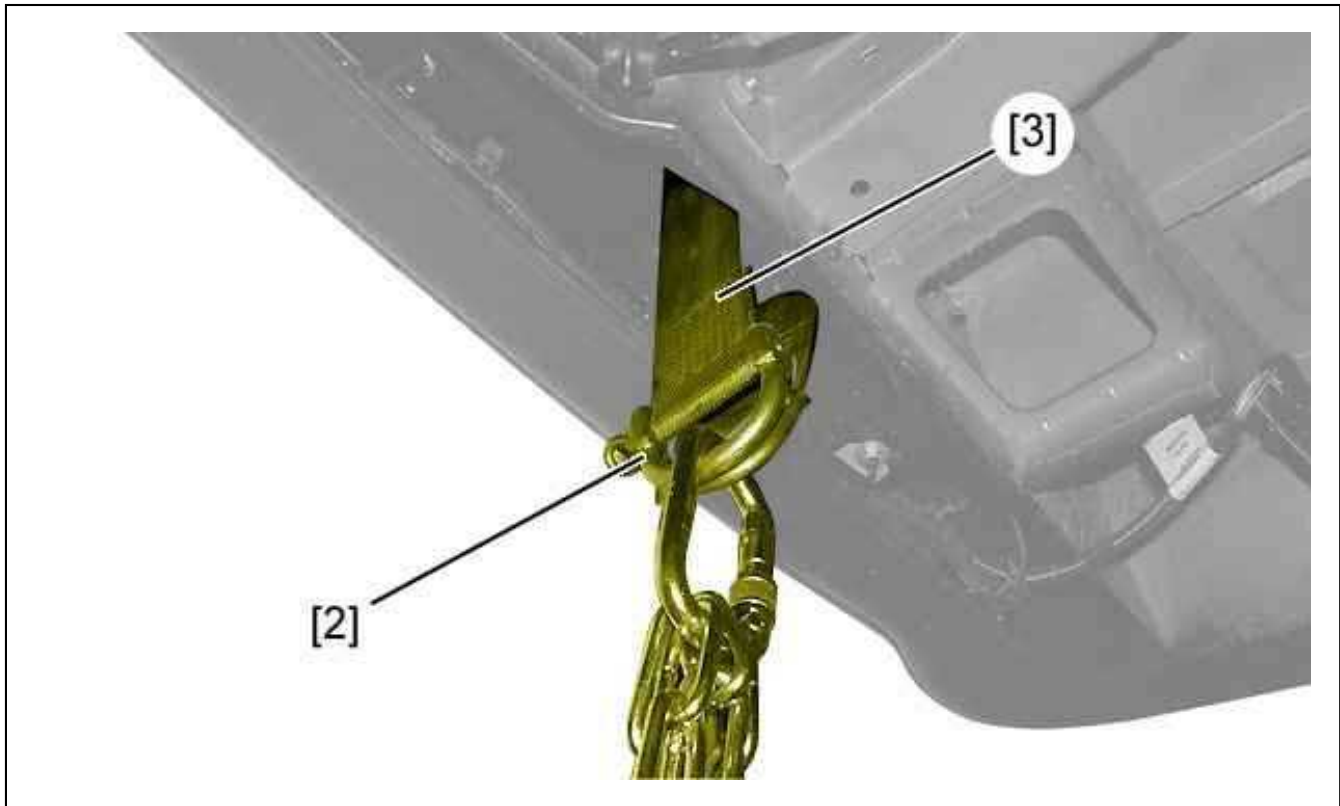


Figure : B3BP1JMD

Engage the straps [3] fitted with their shackles [2] around the impact absorber fixings.

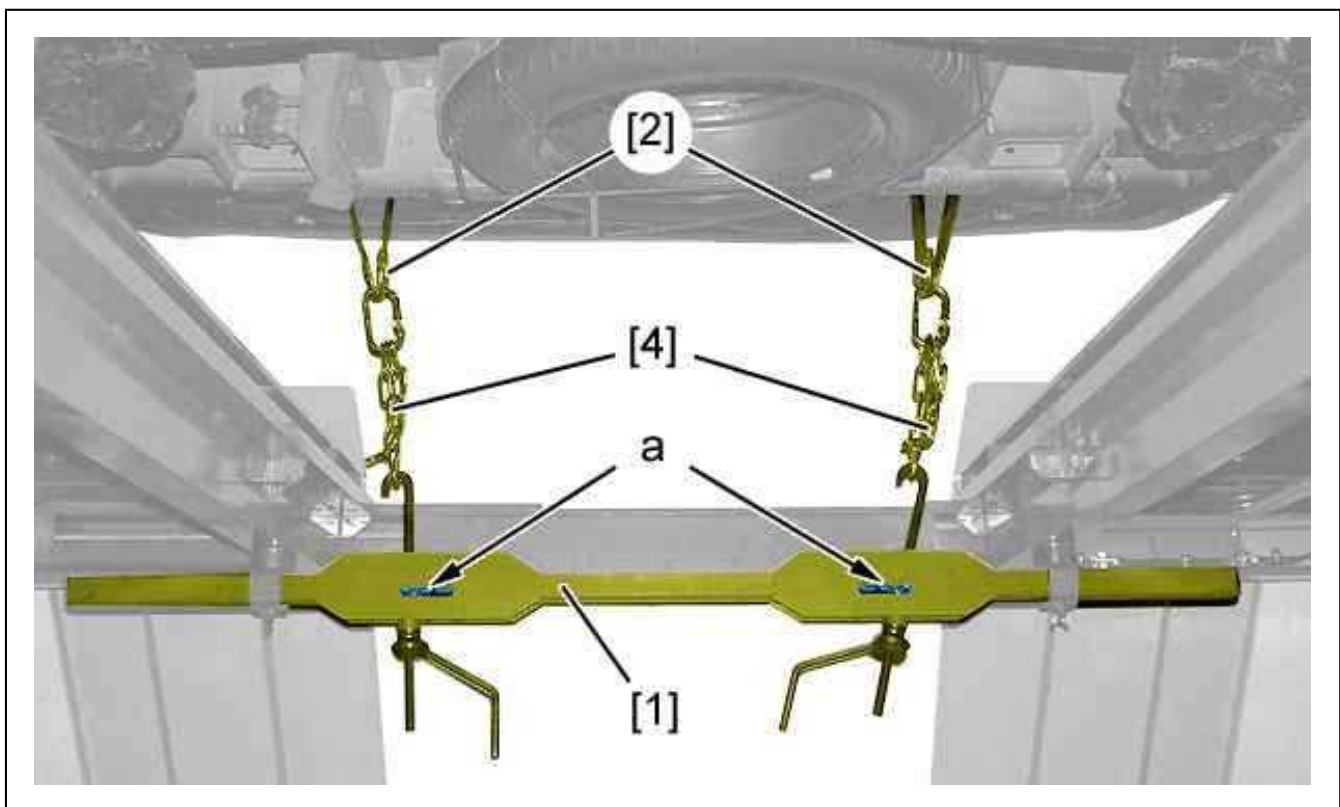


Figure : B3BP1JND

Engage the slings [4] in the shackles [2].
Fit the suspension compressor [1].

Select the most suitable notches (a) to pull on the straps as nearly vertically as possible.

CAUTION : Take into account the height of the platforms when measuring the reference height (H2).

Compress the suspension to obtain the rear body height (H2) on the right-hand side and on the left-hand side  .

Verify that the height (H1) measured at the front has not changed.

REMOVING - REFITTING : STEERING WHEEL CONTROLS MODULE

CAUTION : Before any operations : Put the wheels in the straight ahead position.

CAUTION : For any work which contains uncoupling between the steering wheel and the wheels (steering wheel steering wheel controls module, column, rack...), ensure that the steering wheel controls module rotary switch is immobilised.

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

Perform the following operations :

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

Remove :

- The driver's air bag ⓘ
- The steering wheel ⓘ

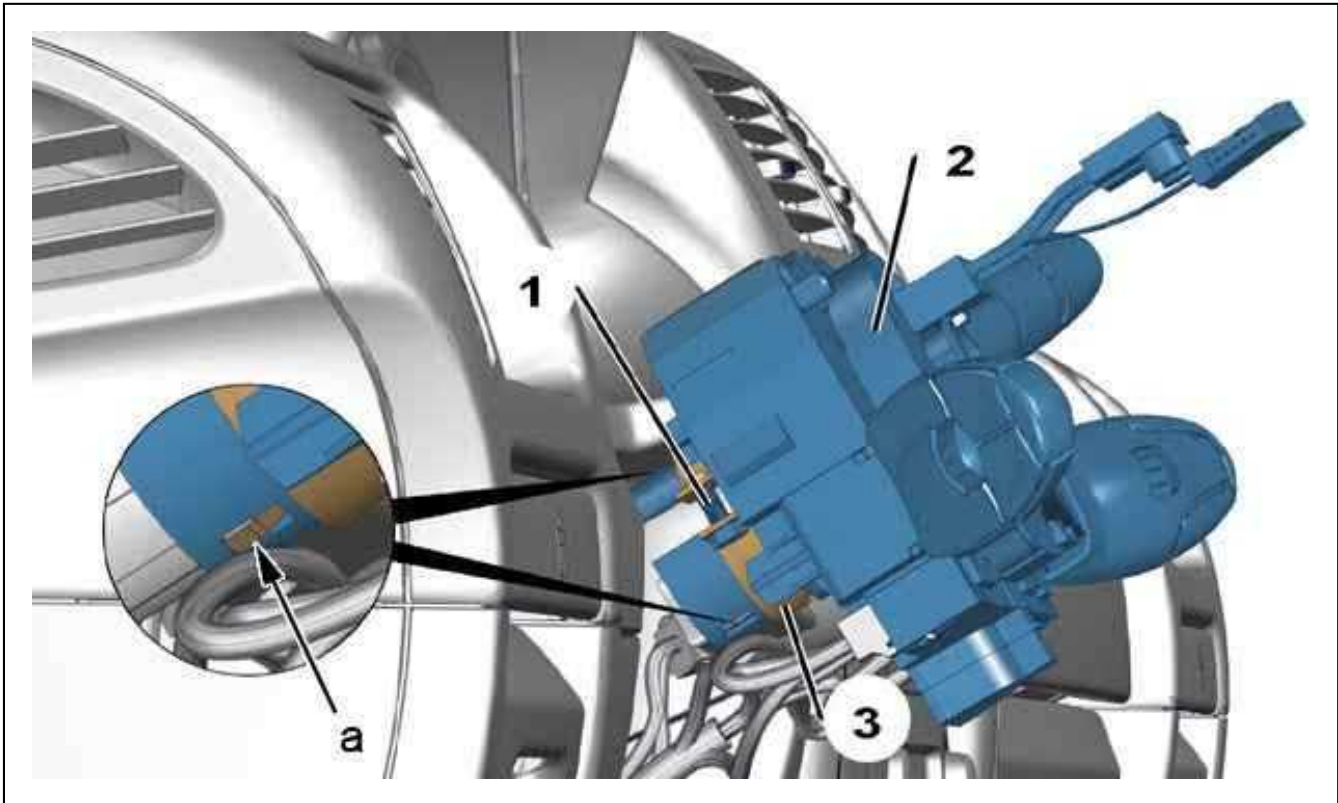


Figure : C5FP19XD

Unscrew the tightening clip (3) screw (1).

Disengage the clamping collar (3).

Remove (if necessary) :

- The (1) bolt
- The clip (3)

Disengage the steering wheel controls module (2) moving aside the locking clips (as "a") ; Using a thin, flat screwdriver

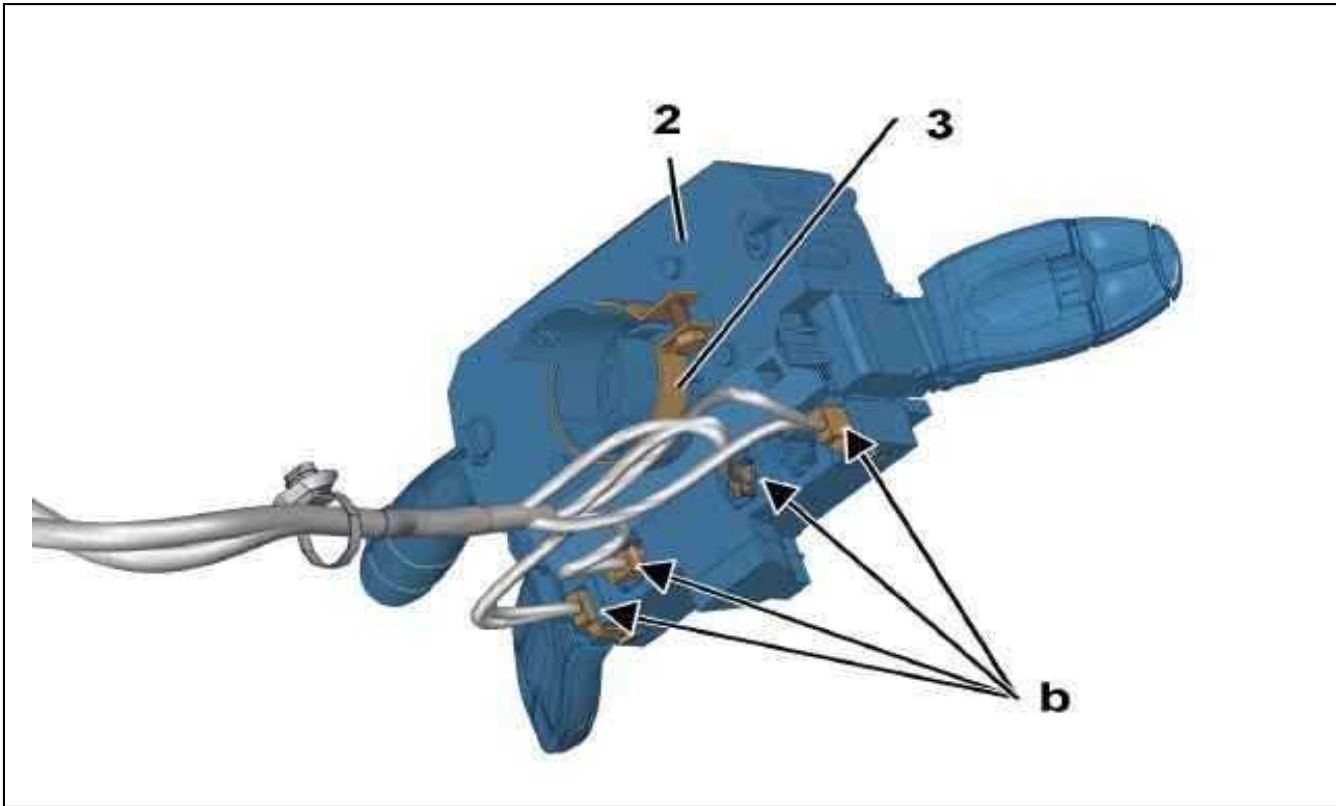


Figure : C5FP19YD

When disconnecting the electrical harnesses (as "b") :

- Do not pull the connectors by their wires
- Unlock the connectors taking care not to break the locking rods of the counterparts

N.B. : Disconnection must be carried out in the centreline of the counterpart to avoid damaging it.

Disconnect the electrical connectors (as "b").

When removing the steering wheel controls module (2) :

- Do not pull the steering wheel controls module without first moving aside the locking clips (as "a")
- No breaking of the steering wheel controls module locking clips is permitted

Remove the steering wheel controls module (2).

2. Refitting

CAUTION : Adjust the rotary switch before refitting the steering wheel controls module .

2.1. Special features of a new steering wheel controls module

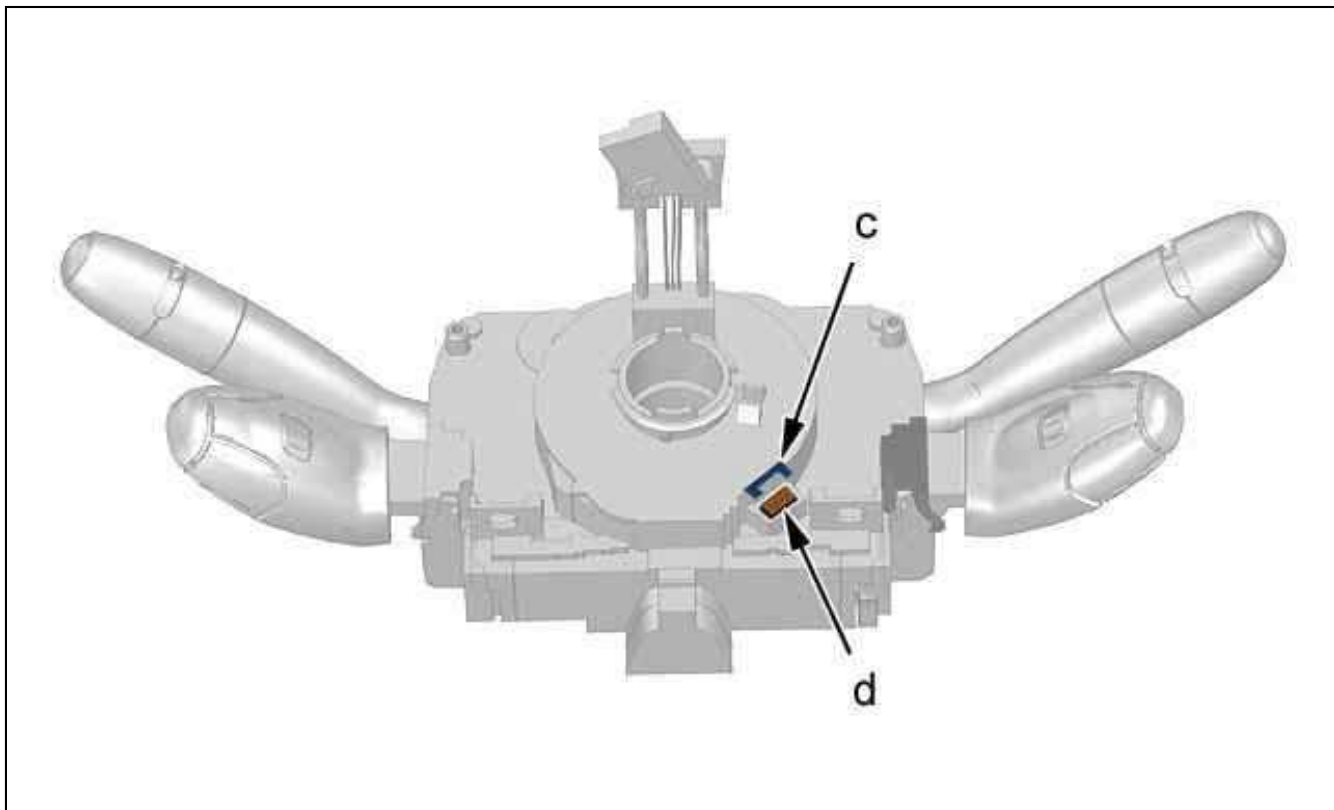


Figure : C5FP19ZD

The rotary switch of a new steering wheel controls module does not require adjustment.

The adjustment is guaranteed by alignment of the notch "c" and the index "d" in the case of a DELPHI product.

2.2. Special feature of a reused steering wheel controls module

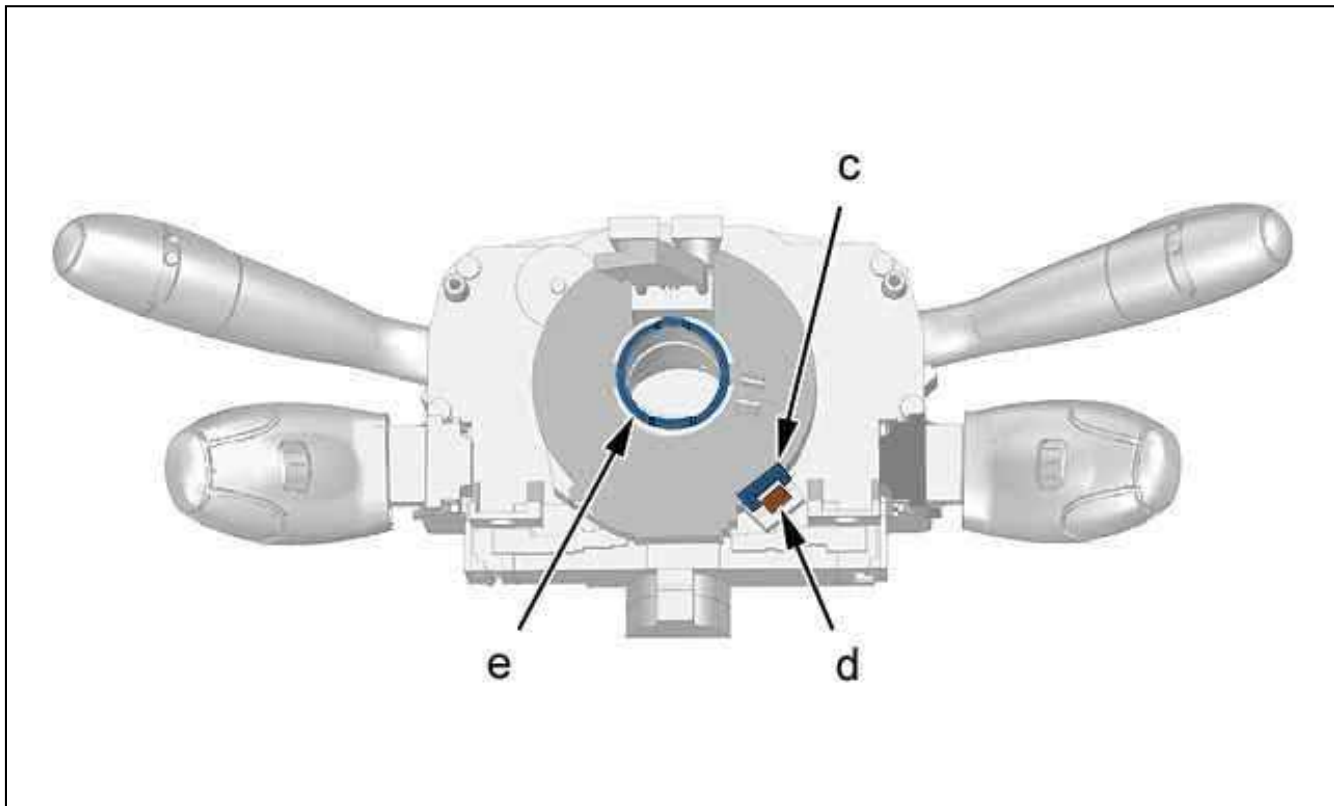


Figure : C5FP1A0D

Locate point 0 :

- Press the centre of the rotary switch (as "e")
- Turn clockwise to the stop (*)
- Turn through 2,5 revolutions anticlockwise

N.B. : (*) Do not force when the stop is reached.

Check the alignment of the notch "c" with the index "d".

CAUTION : The horn and air bag harnesses must lock on the top of the steering wheel controls module (2).

CAUTION : Never turn anticlockwise before turning to the stop clockwise, this causes irrevocable damage to the rotary switch ribbon.

2.3. Common operations

CAUTION : Put the wheels in the straight ahead position.

Make the following checks :

- The locking rods of the connectors must not be broken
- The harnesses of the steering wheel controls module must not be damaged
- The clip must not remain on the steering column

Press the steering wheel controls module (2) onto the steering column offering it up with the levers horizontal.

Clip the steering wheel controls module (2) onto the steering wheel.

Tighten the clip (3) supporting the steering wheel controls module (2) positioned in contact with the top of the steering column.

The steering wheel controls module (2) must be centred correctly on the steering column to prevent the amplification of noise.

CAUTION : Observe the tightening torque.

Tighten the bolt (1) to $0,3 \pm 0,1$ daN.m.

Pass the horn and airbag connectors into the steering wheel opening.

CAUTION : Do not pull the connectors excessively ; Do not fold the harnesses (curve to be observed) ; Take all precautions necessary to avoid damaging the harnesses.(Do not twist the overmoulded harnesses).

Refit :

- The steering wheel 
- The driver's air bag 

Check that the electrical equipment is working correctly.

REMOVING - REFITTING : STEERING COLUMN

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

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

1. Preliminary operation

CAUTION : Place the front wheels in the straight ahead position : Lock the steering wheel in this position.

2. Removing

Lift and support the vehicle.

Disconnect the battery.

Remove :

- The protective panel under the engine ⓘ
- The driver's air bag ⓘ
- The steering wheel ⓘ
- The controls module at the steering wheel ⓘ
- The left-hand fascia trim ⓘ

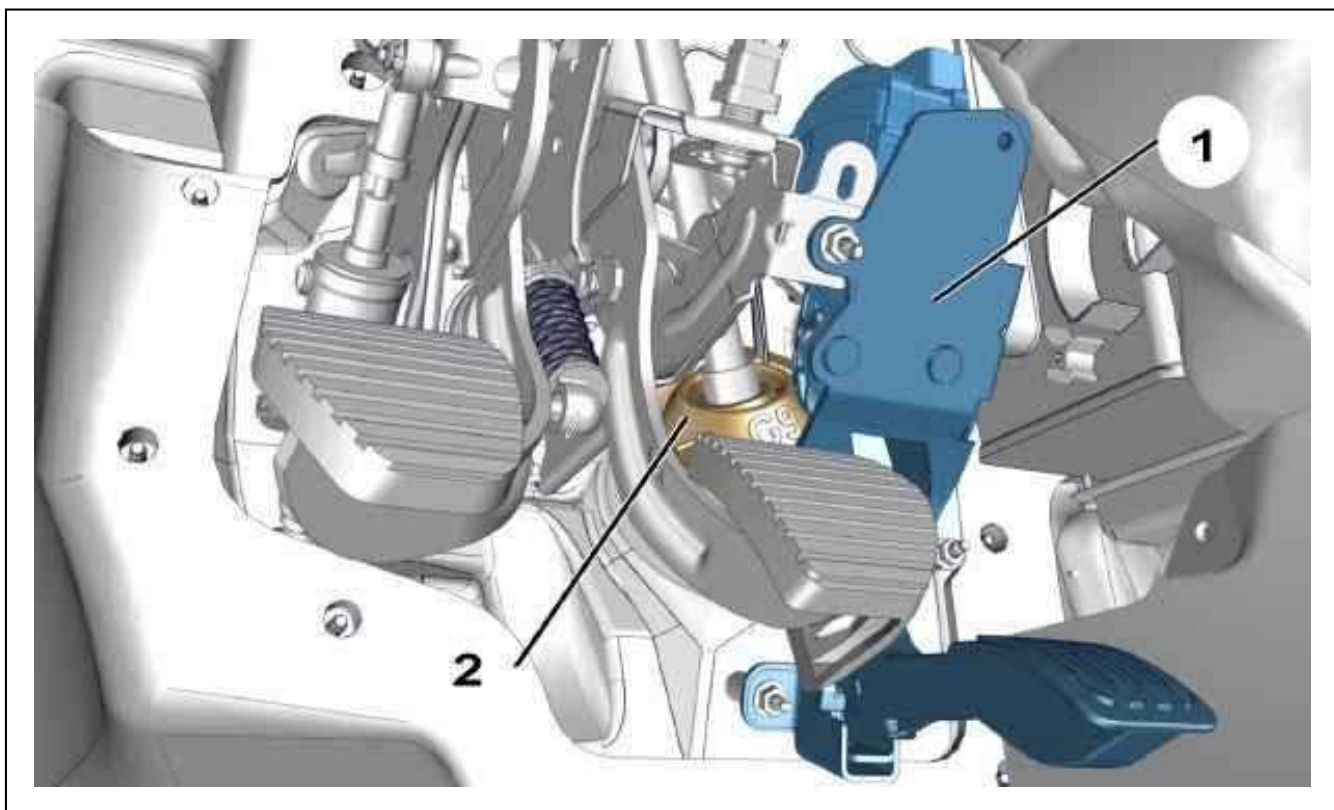


Figure : B3EP1CED

Remove the accelerator pedal assembly (1).

Unclip the seal (2).

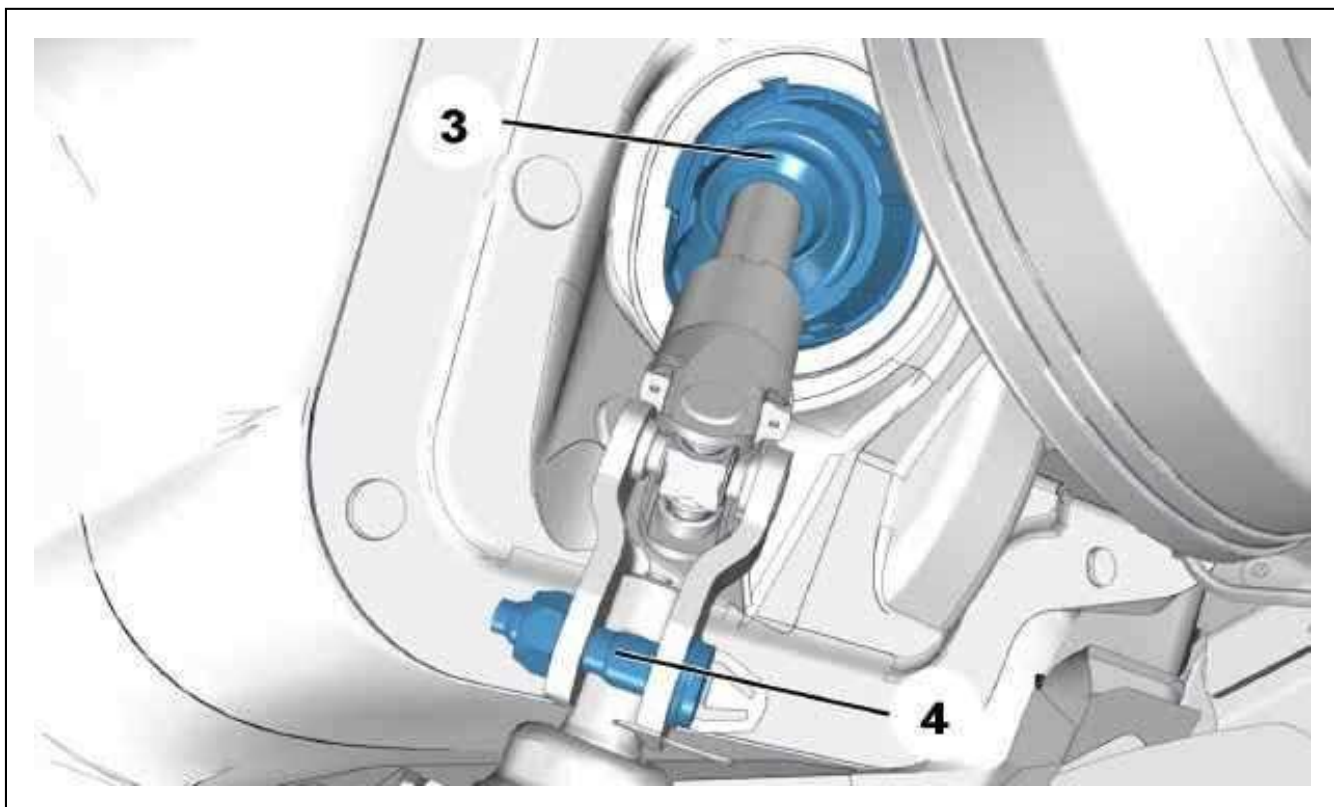


Figure : B3EP1CFD

Unclip the seal (3).

Remove the bolt/nut assembly (4).

Uncouple the steering column from the power steering valve .

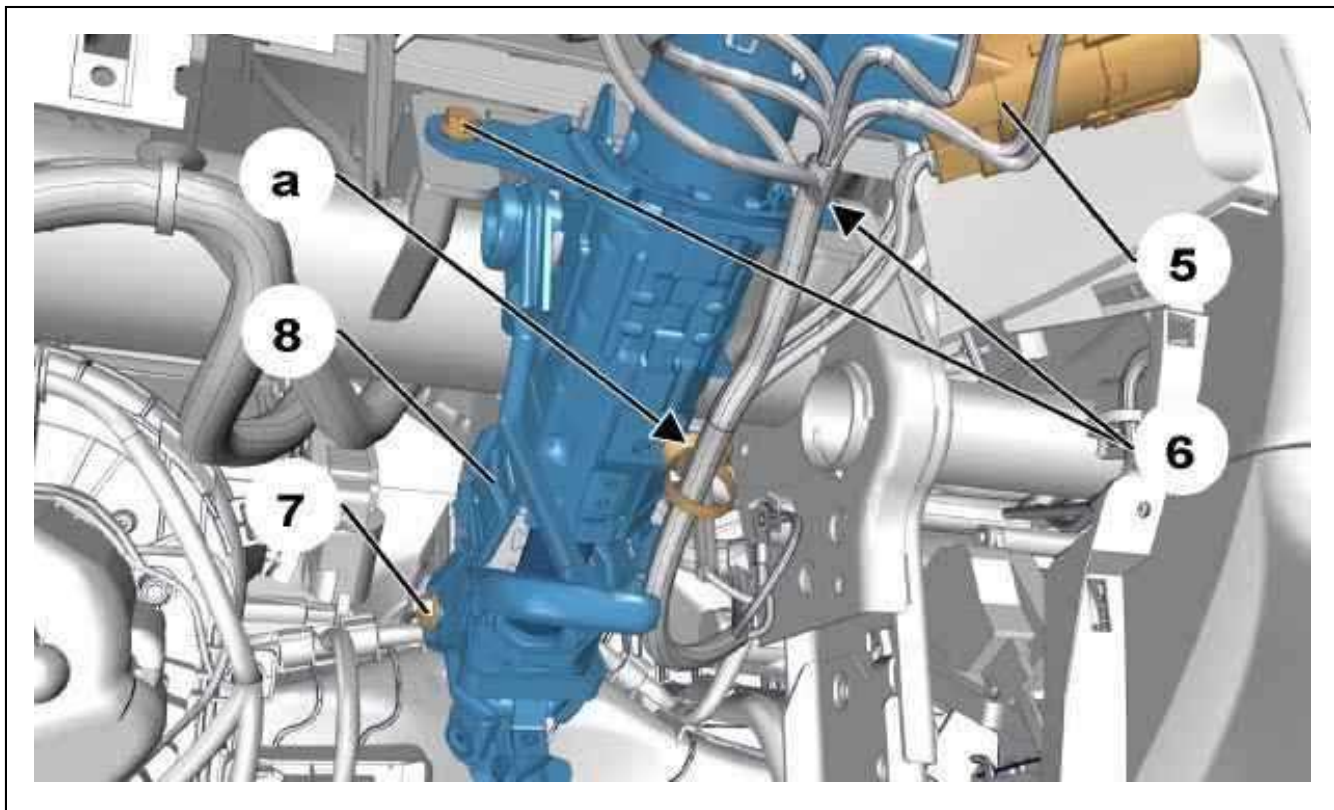


Figure : B3EP1CGD

Disconnect the steering lock connector (5).

Unclip the electrical harness (at "a").

Remove :

- The bolts (6)
- The (7) bolt
- The steering column (8)

3. Refitting

ESSENTIAL : Adhere to the tightening torques  .

Refit the steering column (8).

Couple the steering column to the power steering valve .

CAUTION : Coat the threads of the screw (7) with thread locking product.

Refit :

- The bolt (7)
- The bolts (6)
- The bolt/nut assembly (4)

Clip in place :

- The seal (3)
- The electrical harness (at "a")

Connect the steering lock connector (5).

Clip the seal (2).

Refit :

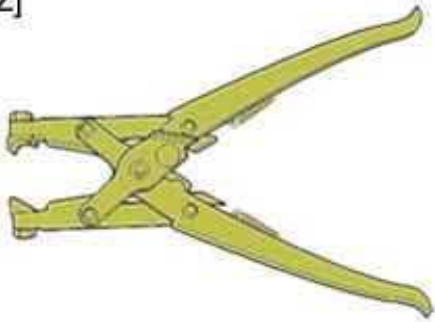
- The accelerator pedal assembly (1)
- The left-hand fascia trim ⓘ
- The controls module at the steering wheel ⓘ
- The steering wheel ⓘ
- The driver's air bag ⓘ
- The protective panel under the engine ⓘ
- Reconnect the battery

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

REMOVING - REFITTING : POWER STEERING ELECTROPUMP ASSEMBLY

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

1. Tooling

tool	Reference	Designation
 Figure : E5AB0PPT	[0172-Z]	CLIC clip pliers

2. Removing

CAUTION : After switching off the ignition: wait 15 minutes before disconnecting the battery, to ensure that the initialisations of the various ECUs are memorised.

Disconnect the battery.

Remove :

- The protective panel under the engine ⓘ
- The front splash shield
- The front bumper ⓘ

Drain the steering assistance circuit ⓘ .

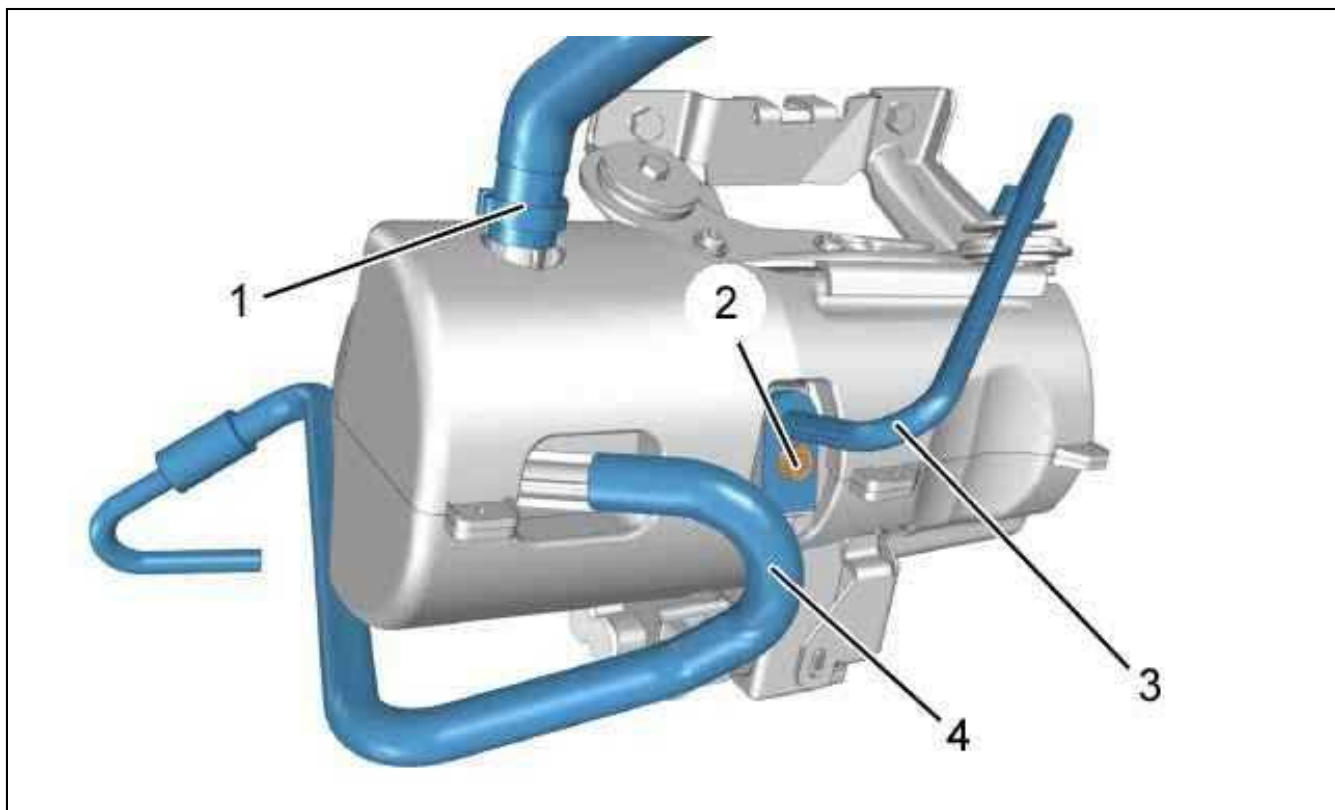


Figure : B3EG0HND

Uncouple the power steering electropump assembly oil supply pipe (1); Using tool [0172-Z].

Remove the bolt (2).

Uncouple :

- The power steering circuit oil supply pipe (3)
- The power steering circuit oil return pipe (4) ; Using tool [0172-Z]

Remove the connector cover (according to model).

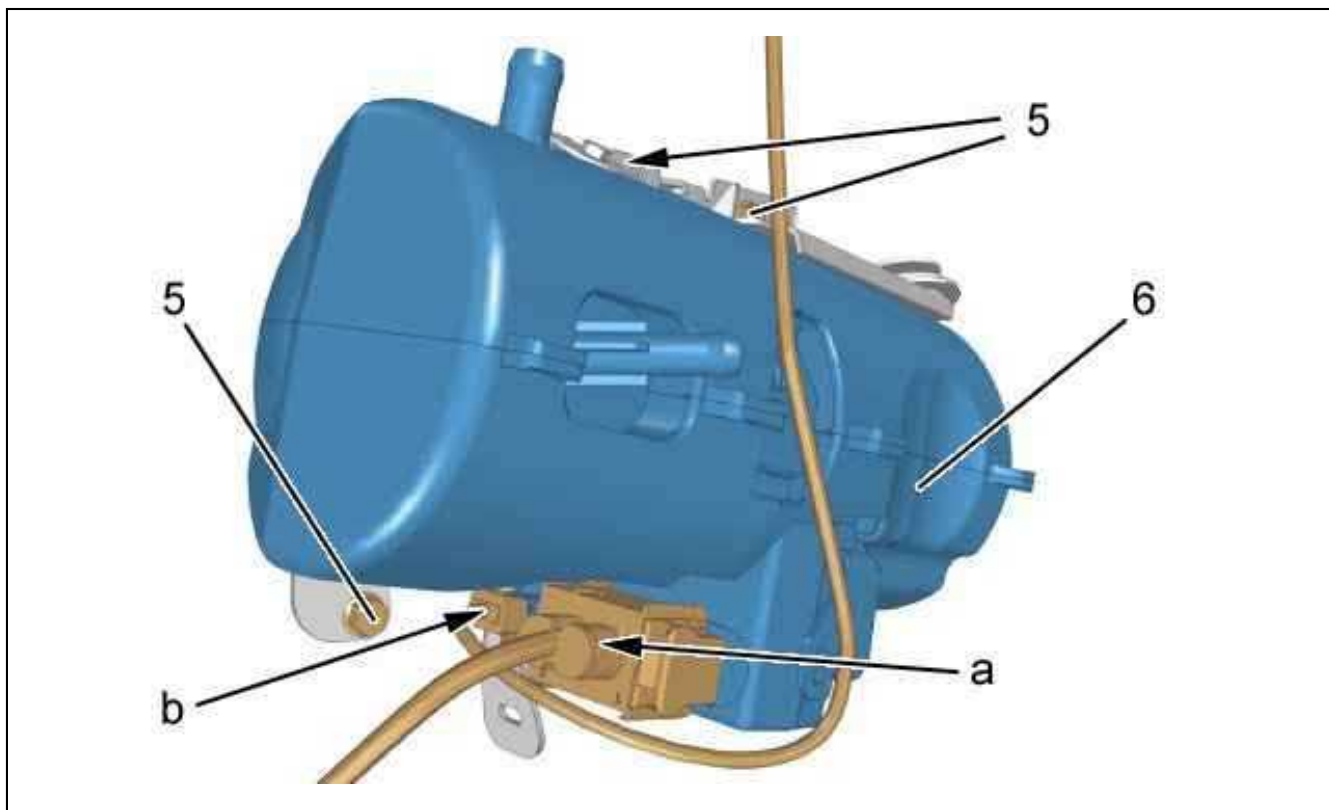


Figure : B3EG0HOD

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

Remove :

- The bolts (5)
- The power steering electropump assembly (6)

3. Refitting

CAUTION : Adhere to the tightening torques ⓘ.

Refit :

- The power steering electropump assembly (6)
- The bolts (5)

Connect the connectors (as "a", "b").

Refit the connector cover (according to model).

N.B. : Whenever it is removed, always replace the O-ring of the oil supply pipe of the power steering circuit (3).

Couple up :

- The power steering circuit oil return pipe (4) ; Using tool [0172-Z]
- The power steering circuit oil supply pipe (3)

Refit bolt (2).

Couple up the power steering electropump assembly oil supply pipe (1); Using tool [0172-Z].

Refit :

- The front bumper ⓘ
- The front splash shield

Reconnect the battery.

Fill and bleed the power steering system ⓘ .

Refit the under-engine protection ⓘ .

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

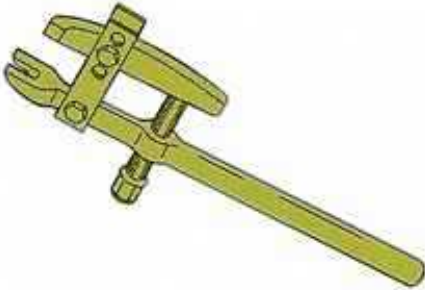
Reconnect the battery.

REMOVING - REFITTING : STEERING MECHANISM

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

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ.

1. Tooling

tool	Reference	Designation
 Figure : E5AG02WT	[0709]	ball-joint extractor

2. Removing

2.1. Common operations

CAUTION : After the ignition has been switched off : Wait 15 minutes before disconnecting the battery to ensure that the programmed values of the various ECUs are stored.

Disconnect the battery.

CAUTION : Proceed with care in order to avoid entry of pollutant particles.

Release the front wheel bolts.

Lift and support the vehicle.

Remove :

- The front wheel bolts
- The front wheels
- The protective panel under the engine ⓘ

Drain the steering assistance circuit ⓘ.

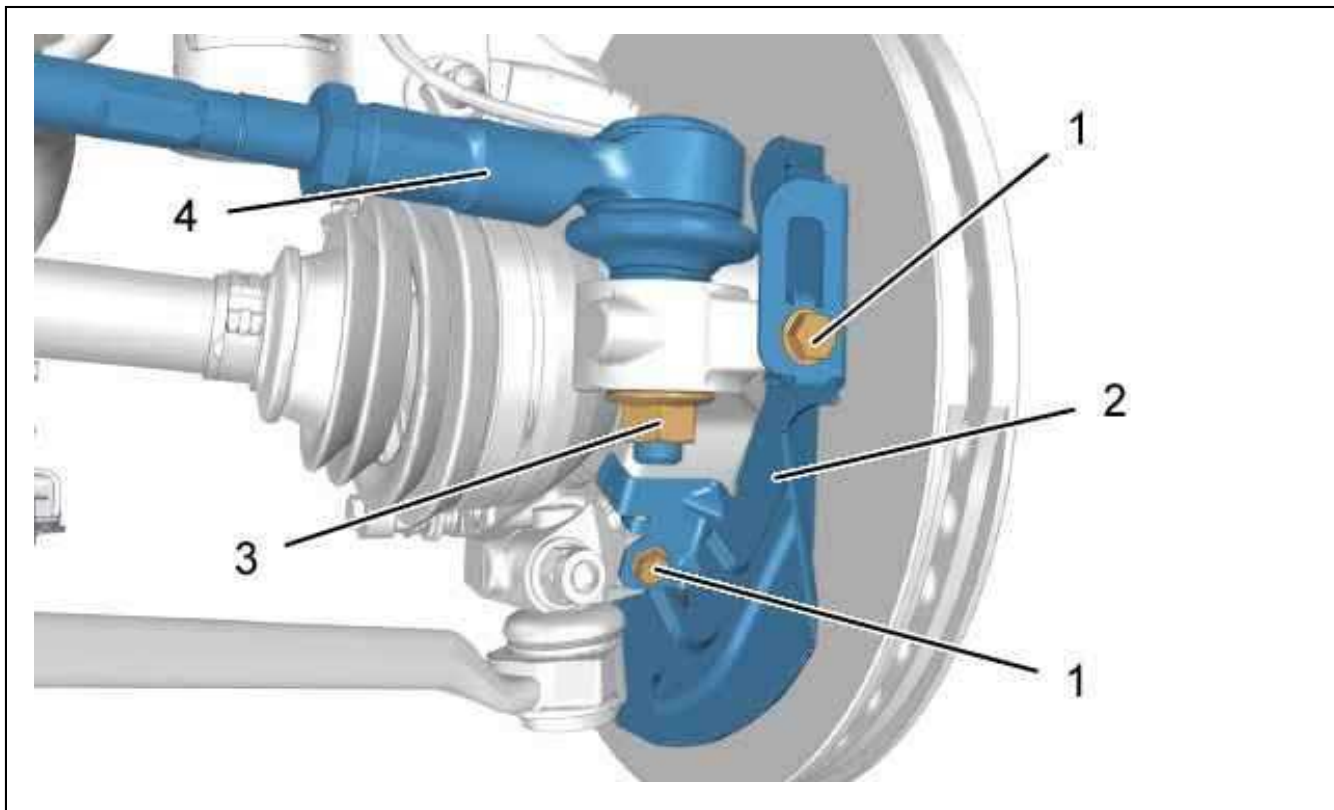


Figure : B3EG0IAD

CAUTION : Place the front wheels in the straight ahead position Lock the steering wheel in this position.

Remove :

- The bolts (1)
- The ball-joint protector (2)
- The nut (3)

Uncouple the steering ball-joint (4) ; Using tool [0709].

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

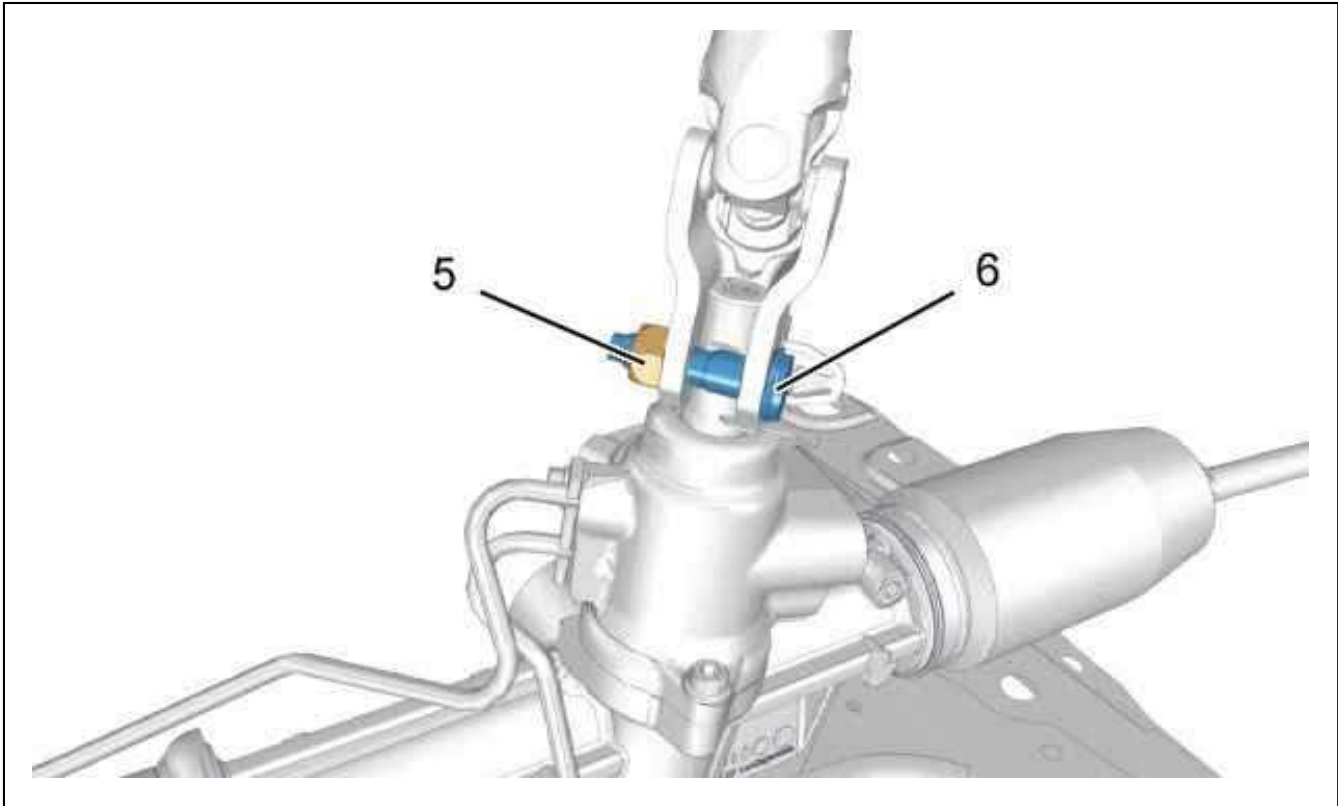


Figure : B3EG0IBD

Remove :

- The nut (5)
- The (6) bolt

Uncouple the steering column from the power steering valve .

2.2. Vehicles fitted with a steering assistance electropump assembly

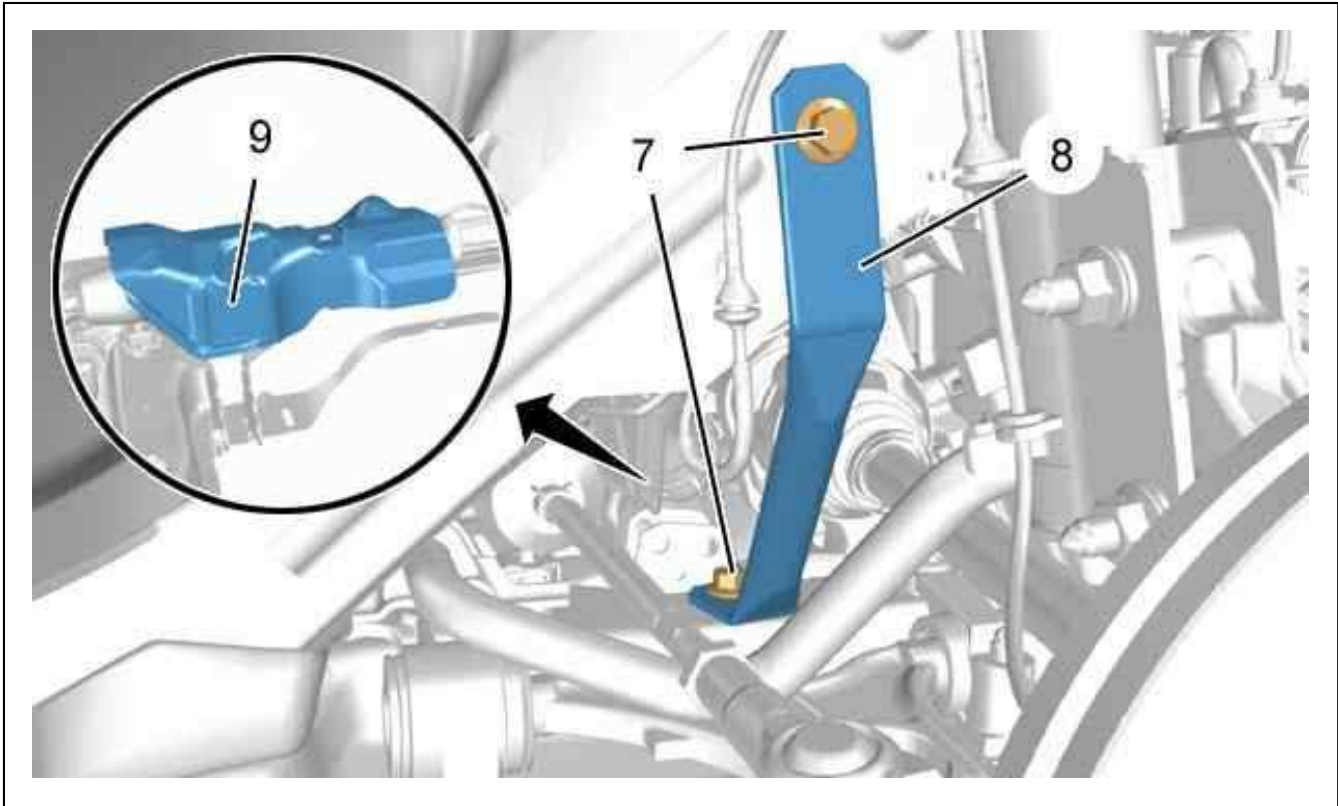


Figure : B3EG0ICD

Remove (according to assembly) :

- The bolts (7)
- The right-hand subframe tie-rod (8)
- The steering mechanism heat shield (9)

2.3. Common operations

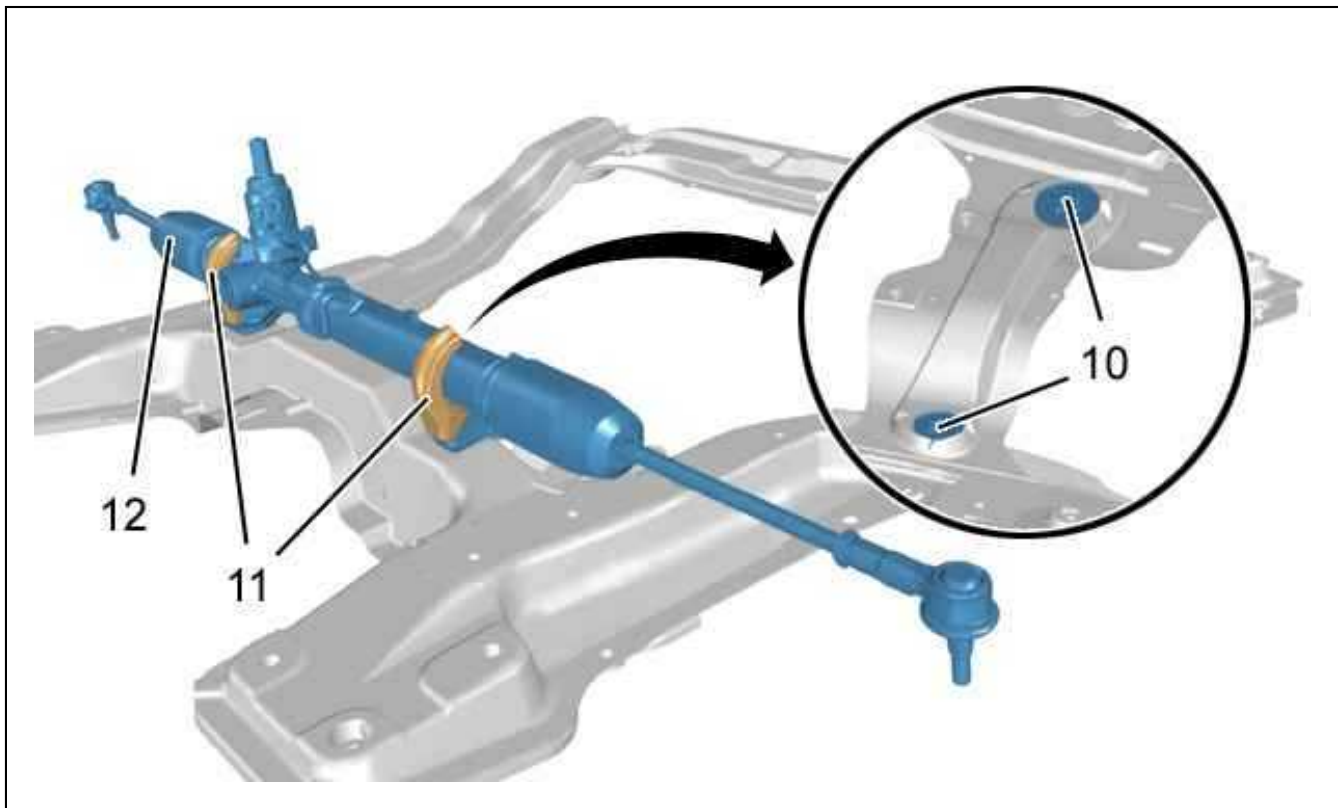


Figure : B3EG0IDD

Remove :

- The bolts (10)
- The clamps (11)

CAUTION : When removing the steering mechanism (12), take care not to damage the gaiters .

Extract the steering mechanism (12) from the right-hand side of the vehicle.

3. Refitting

CAUTION : Adhere to the tightening torques.

Tightening torques : **Steering** ⓘ .

Tightening torques : **road wheels** ⓘ .

3.1. Common operations

Refit the steering mechanism (12) from the right-hand side of the vehicle.

Couple the steering column to the power steering valve .

Refit : The clamps (11).

Position and centre the steering mechanism (12) on the subframe.

Refit :

- The bolts (10)
- The (6) bolt
- The nut (5)

3.2. Vehicles fitted with a steering assistance electropump assembly

Refit :

- The steering mechanism (12) heat shield (9)
- The right-hand subframe tie-rod (8)
- The bolts (7)

3.3. Common operations

Attach the steering knuckle (4).

Refit :

- The nut (3)
- The ball-joint protector (2)
- The bolts (1)
- The protective panel under the engine ⓘ
- The front wheels
- The front wheel bolts

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

Return the vehicle to its wheels.

Tighten the front wheel bolts .

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

Reconnect the battery.

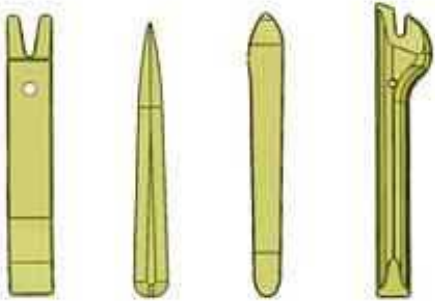
Fill and bleed the power steering system ⓘ .

Check the front wheel tracking and adjust it if necessary.

REMOVING - REFITTING : HANDS-FREE KIT UNIT

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

1. Tooling

tool	Reference	Description
[1350-ZZ]  Figure : E5AG02MT	[1350-ZZ]	Stripping tools

2. Removing

- Disconnect the battery ⓘ .
- Remove the left-hand side storage compartment ⓘ .

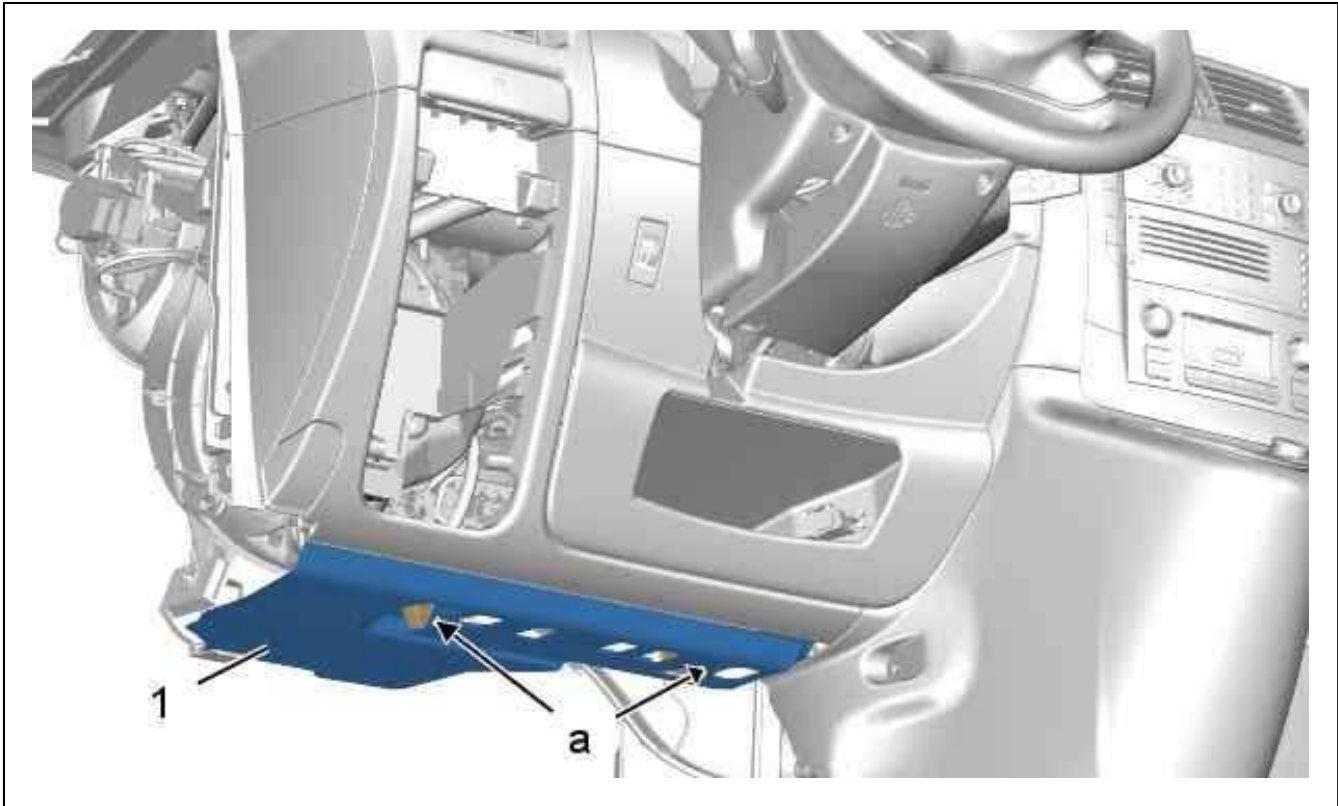


Figure : C5FG0K0D

Unclip : The trim (1) under the fascia (as "a") ; Using tool [1350-ZZ].

Remove : The trim (1) under the fascia.

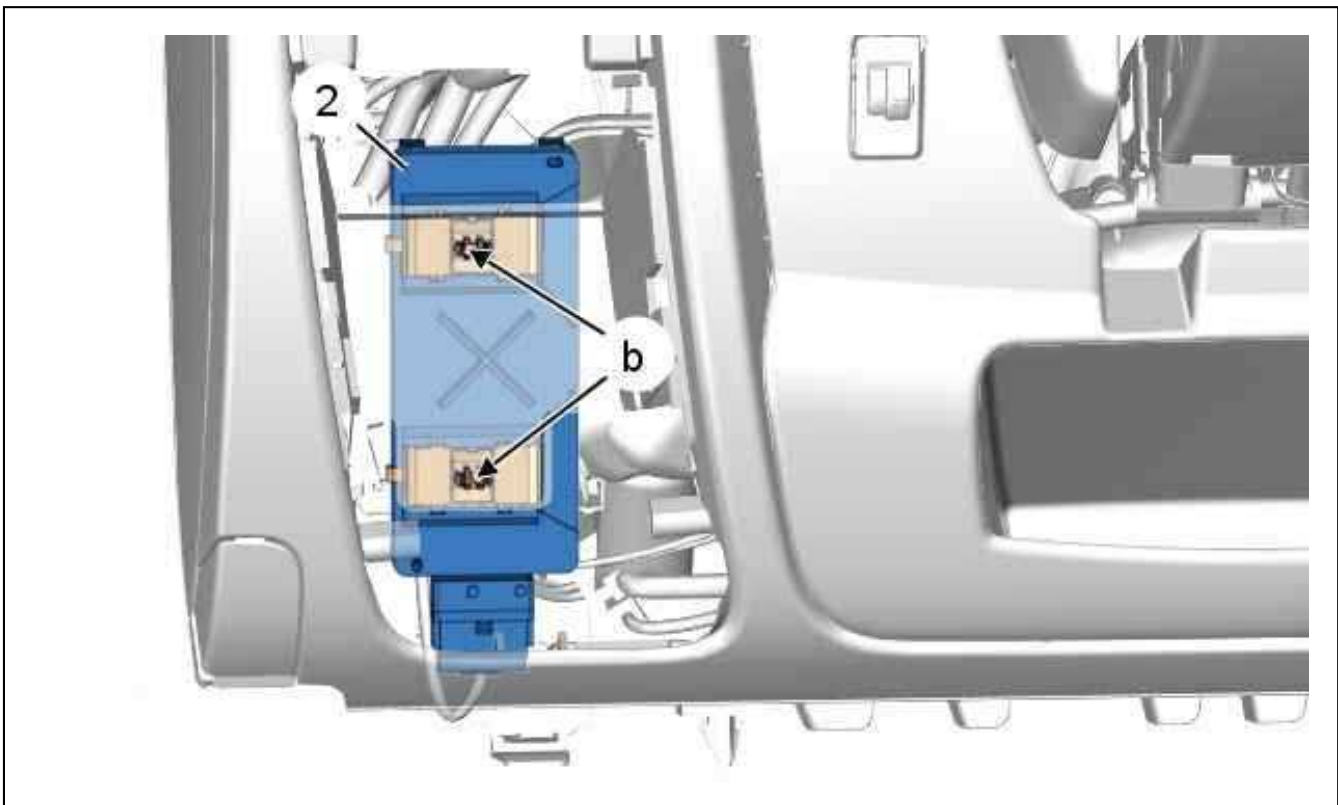


Figure : C5FG0K1D

Unclip : The hands-free kit mounting and unit assembly (2) (as "b") ; Using tool [1350-ZZ].

Detach : The hands-free kit mounting and unit assembly (2) ((access from under the fascia)).

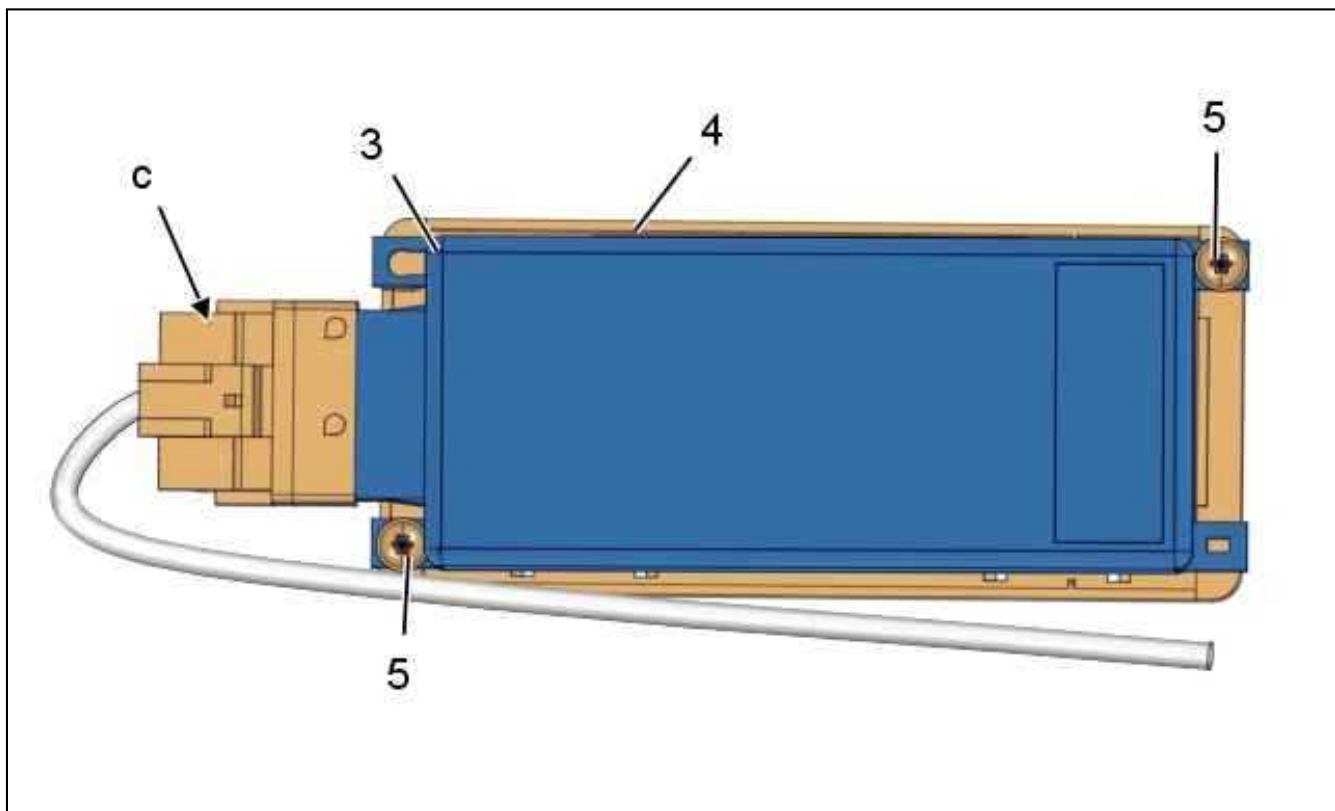


Figure : B3EG08CD

Disconnect the connector (as "c").

Remove :

- The bolts (5)
- The hands-free kit unit (3)
- The bracket (4)

3. Refitting

CAUTION : Always replace the damaged fixings.

Proceed in the reverse order to removal.

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

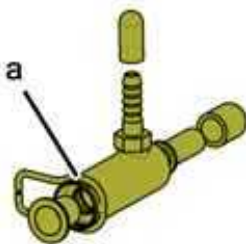
Reconnect the battery.

Check the operation of the equipment.

CHECK : VACUUM PUMP

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

1. Tooling

Tools	Reference	Designation
[1602-A]  Figure : E5AD00OT	[1602-A] (S.1602 kit)	Pressure regulator
[0820]  Figure : E5AB13ZT	[0820]	"a" : Click-fit unions

2. Check

2.1. dw engine

Remove :

- The pollen filter housing
- The engine cover

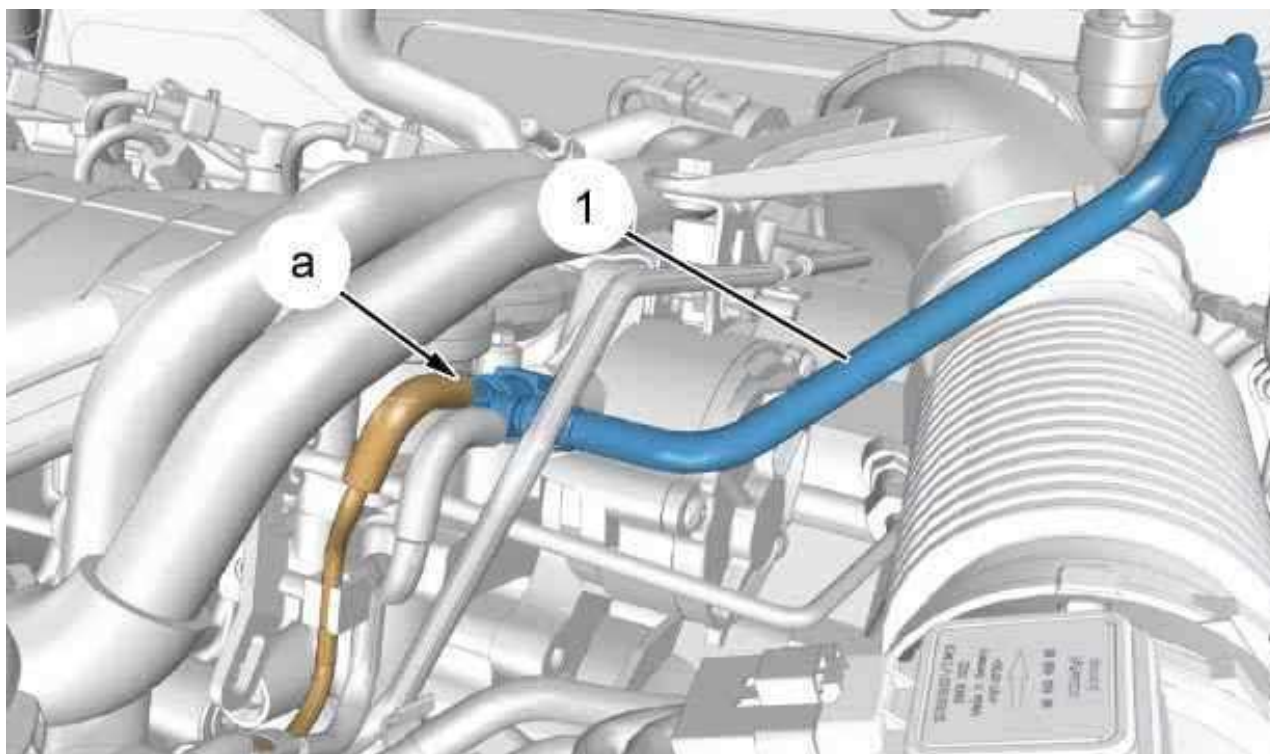


Figure : B3FD04BD

Locate the negative pressure pipe (1) between the vacuum pump and the brake servo.
Uncouple the vacuum pipe (at "a").

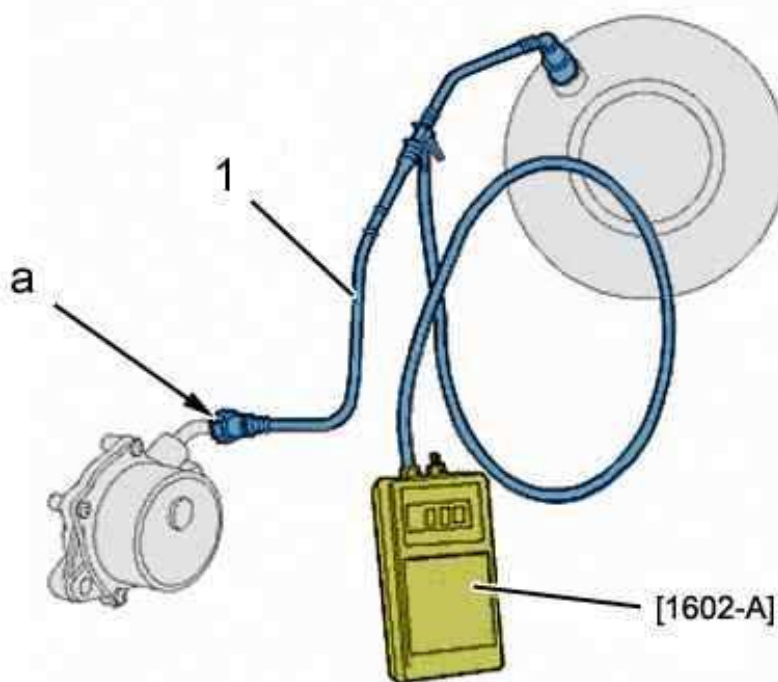


Figure : B3FD04CD

Connect :

- The pressure controller [1602-A]
- The click-on connector "a" of the tool [0820] on the vacuum pipe (1)

Start the engine to run at idle.

Check the vacuum value.

Remove :

- The click-on connector "a" of the tool [0820] on the vacuum pipe (1)
- The pressure controller [1602-A]

Connect the vacuum pipe (at "a").

Refit :

- The engine cover
- The pollen filter housing

2.2. dv6UTED4 engine

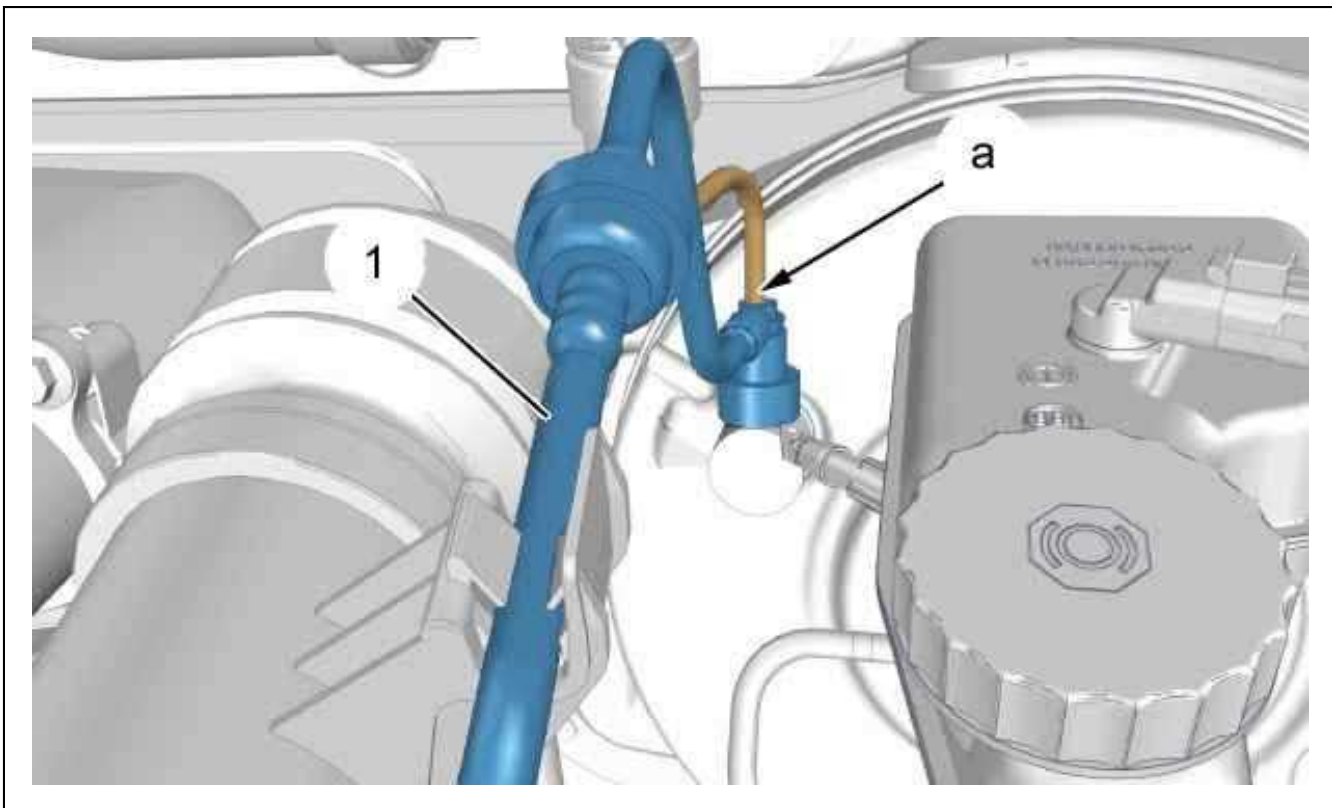


Figure : B3FD04DD

Locate the negative pressure pipe (1) between the vacuum pump and the brake servo.

Uncouple the vacuum pipe (at "a").

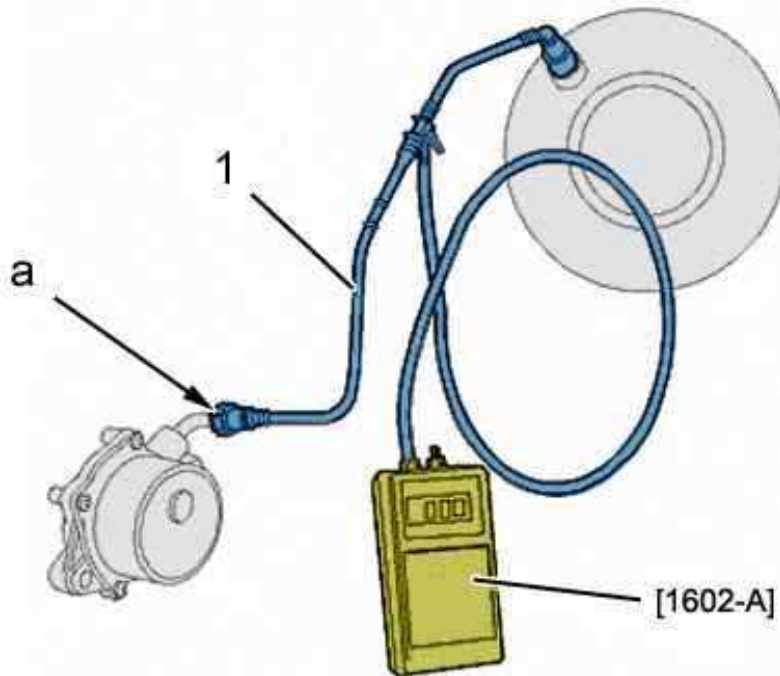


Figure : B3FD04CD

Connect :

- The pressure controller [1602-A]
- The click-on connector "a" of the tool [0820] on the vacuum pipe (1)

Start the engine to run at idle.

Check the vacuum value.

Remove :

- The click-on connector "a" of the tool [0820] on the vacuum pipe (1)
- The pressure controller [1602-A]

Connect the vacuum pipe (at "a").

3. Checking values

Check the efficiency of the vacuum pump ⓘ.

If the value is outside the tolerance, check :

- The vacuum pump directly
- Sealing of the system on the link pipes and on the brake servo

REMOVING - REFITTING : VACUUM PUMP

ESSENTIAL : Observe the safety and cleanliness instructions ⓘ .

1. Removing

Disconnect the ancillaries battery.

Remove :

- The passenger compartment air inlet manifold
- The engine cover

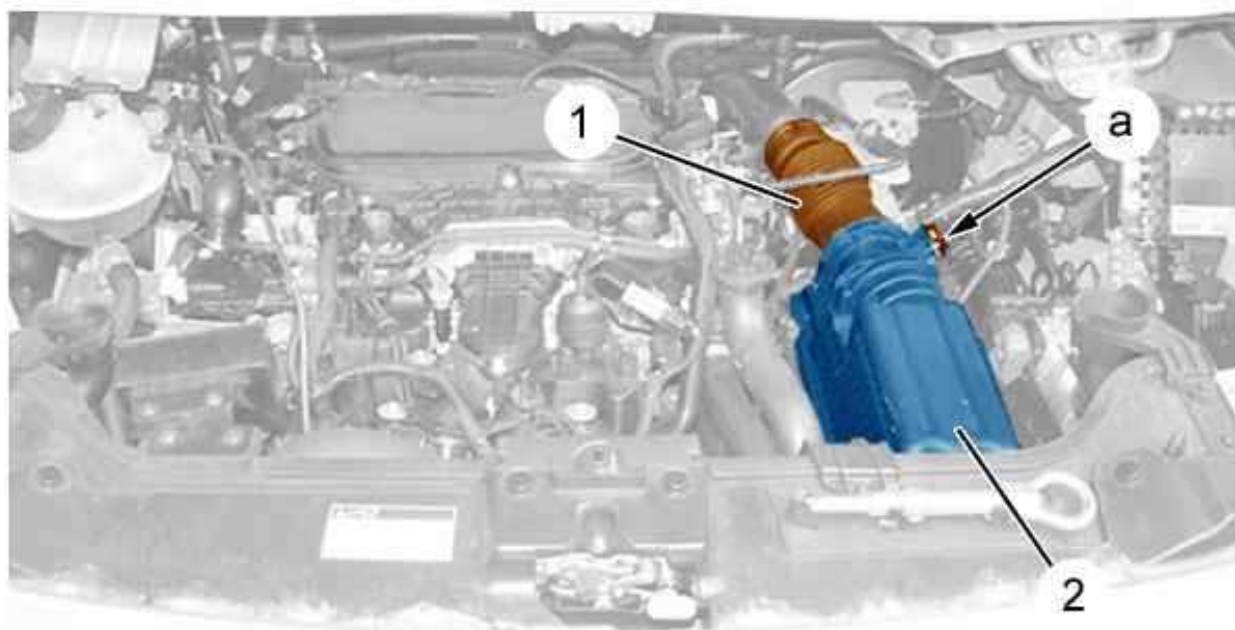


Figure : B3FG18CD

Disconnect the connector of the flowmeter (at "a").

Remove :

- The air cleaner housing (2)
- The air duct (1)

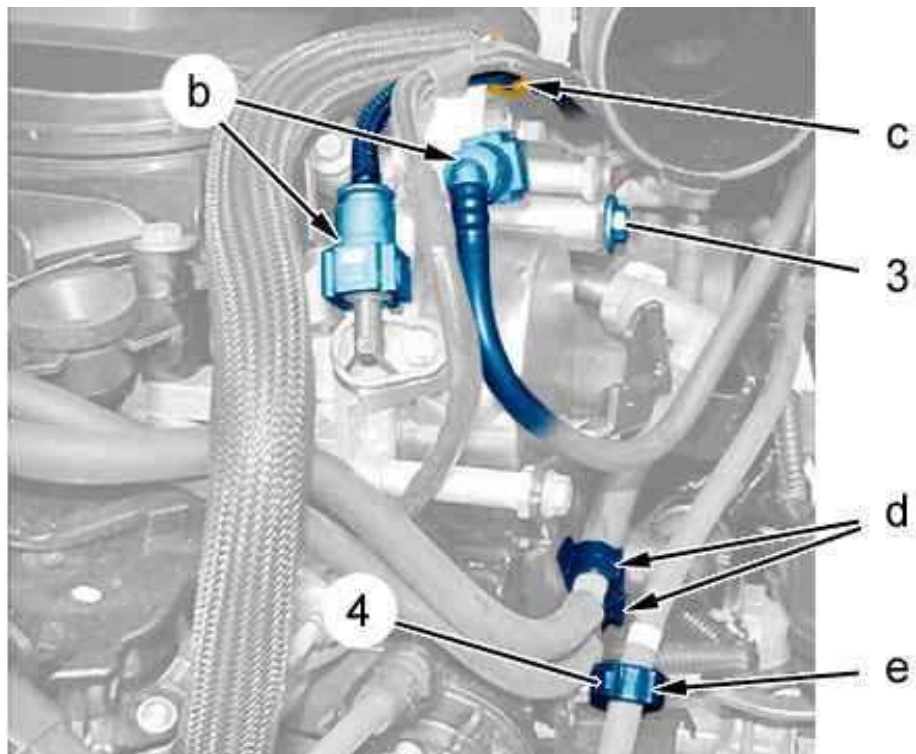


Figure : B3FG18DD

Uncouple the vacuum unions (at "b").

Release the vacuum pipe (at "c").

Remove the bolt (3) from the air duct .

Unclip :

- The fuel pipes (at "d")
- The flexible pipe (at "e")

Remove clip (4).

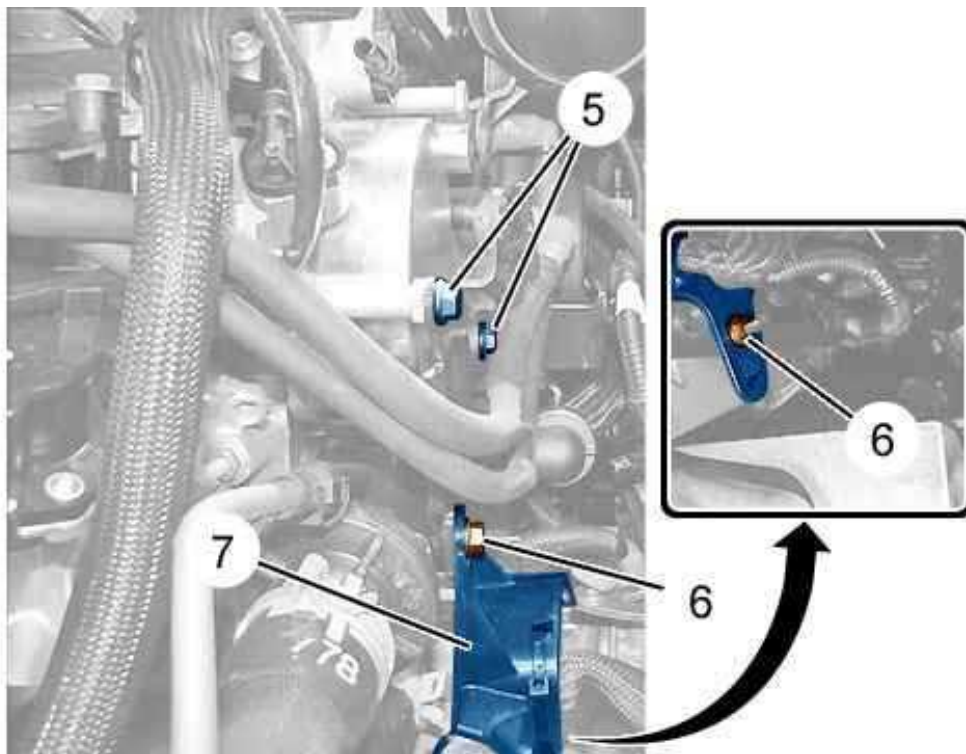


Figure : B3FG18ED

Remove the nuts (6).

Move aside the electrical harness sheathing (7).

Remove bolts (5).

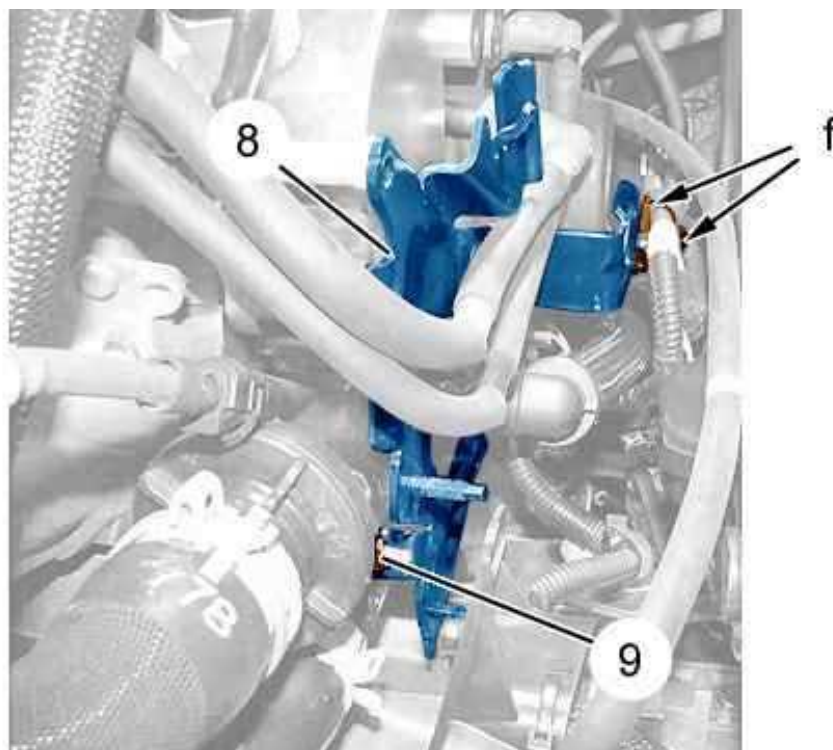


Figure : B3FG18FD

Unclip and move aside the electrical harness attached to the support (8) (at "f").

Remove the nut (9).

Move the mounting (8) aside.

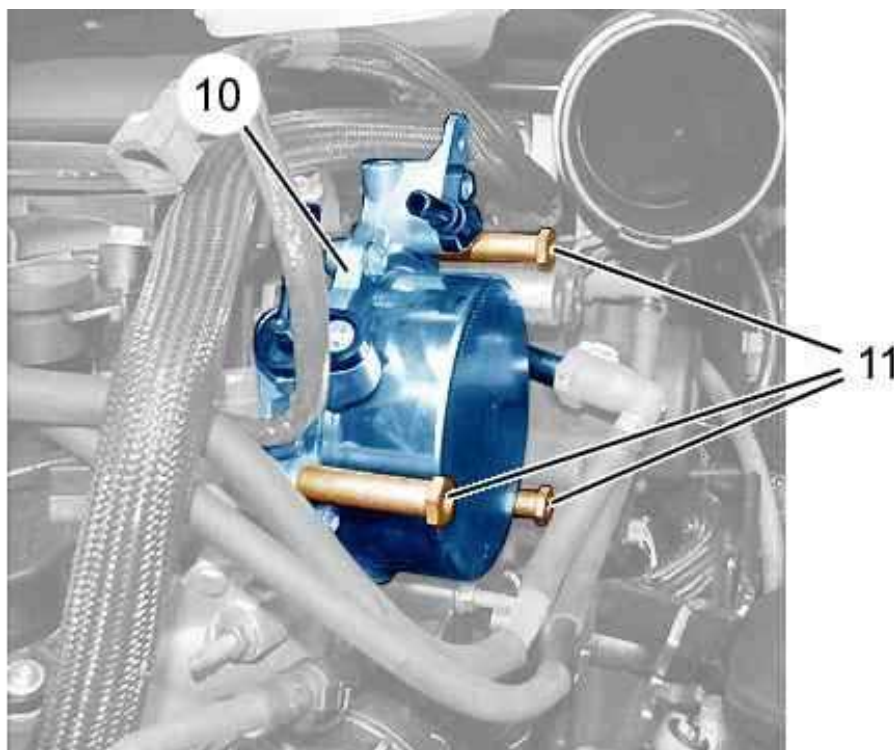


Figure : B3FG18GD

Remove :

- The screws (11)
- Vacuum pump (10)

2. Refitting

CAUTION : Adhere to the tightening torques.

CAUTION : The surfaces and joint faces must be free of any signs of knocks and scratches.

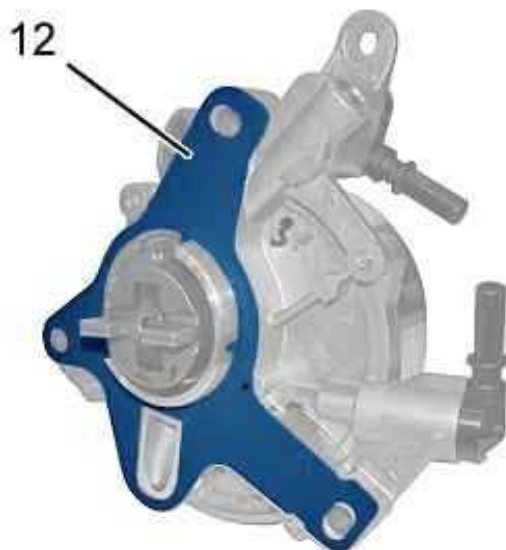


Figure : B3FG14DD

Clean the joint contact face.

Fit :

- A new seal (12)
- Vacuum pump (10)
- The screws (11)
- The bracket (8)
- The nut (9)

Clip the electrical harness and the connector on the support (8) (at "f").

Replace the bolts (5).

Position the electrical harness sheathing (7).

Fit :

- The nuts (6)
- The clip (4)

Clip :

- The flexible pipe (at "e")
- The fuel pipes (at "d")
- The vacuum pipe (at "c")

Refit the air duct bolt (3).

Connect the vacuum unions (at "b").

Fit :

- The air duct (1)
- The air cleaner housing (2)

Connect the flow meter connector (at "a").

Fit :

- The engine cover

- The passenger compartment air inlet manifold

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

Reconnect the ancillaries battery.

REMOVING - REFITTING : REAR WHEEL SENSOR

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

1. Removing

Disconnect the battery.

Lift and support the rear of the vehicle.

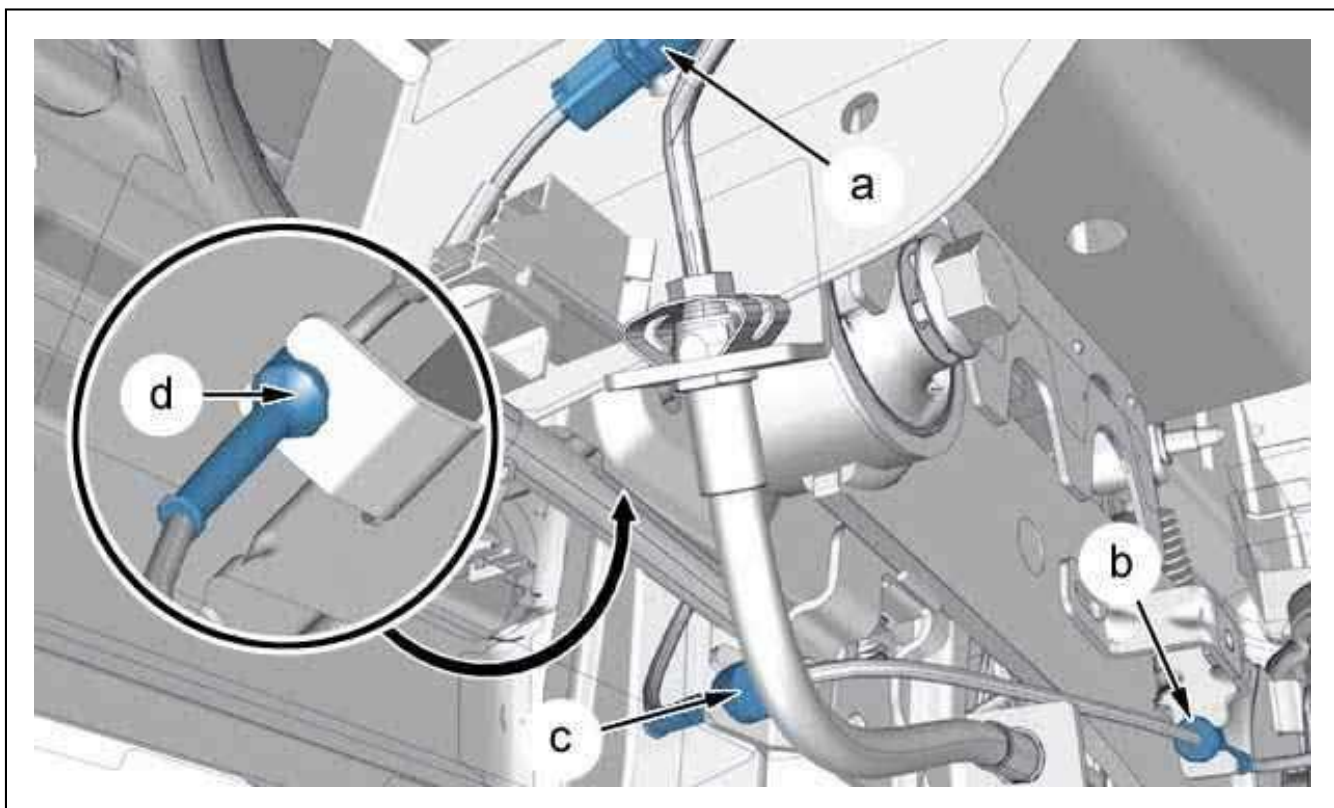


Figure : B3FP7THD

Disconnect the connector (at "a").

Unclip the harness (Rear wheel sensor) (at "b", "c", "d").

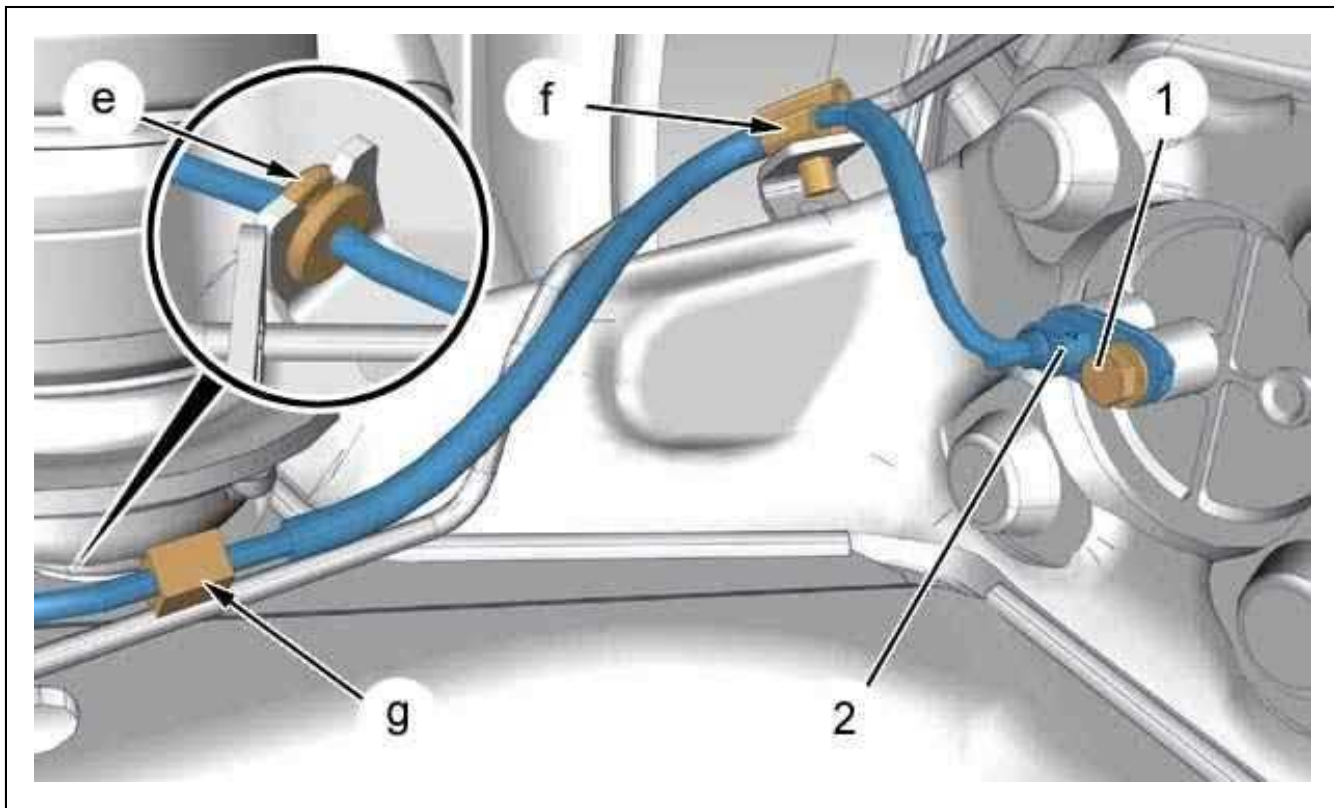


Figure : B3FP7TJD

Unclip the rear wheel sensor harness (2)) (at "e", "f", "g").

Remove :

- The (1) bolt
- The rear wheel sensor (2)

2. Refitting

ESSENTIAL : Adhere to the tightening torques .

CAUTION : Avoid impacts to the head of the rear wheel sensor (2).

Check that the rear wheel sensor (2) is clean.

Refit :

- The rear wheel sensor (2)
- The bolt (1)

Clip the rear wheel sensor harness (2)) (at "b", "c", "d", "e", "f", "g").

Reconnect the connector (at "a").

Return the vehicle to its wheels.

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

Reconnect the battery.

Read the fault codes ; Using the diagnostic tool.

REMOVING - REFITTING : FRONT WHEEL SENSOR

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

1. Removing

Release the front wheel bolts.

Lift and support the vehicle with front wheels suspended.

Remove :

- The front wheel bolts
- The front wheel

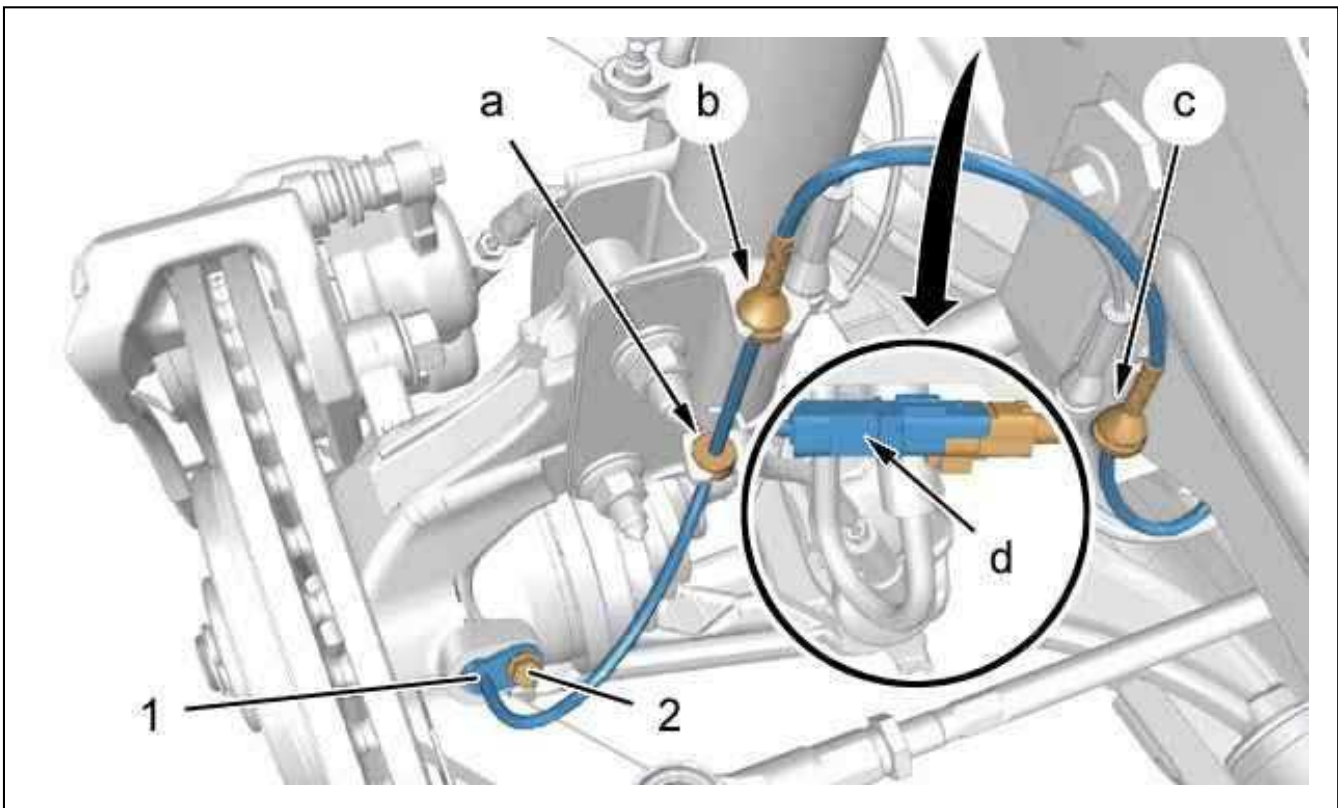


Figure : B3FG22KD

Unclip the front wheel sensor harness (at "a", "b", "c").

Disconnect the connector (at "d").

Remove :

- The (2) bolt
- The front wheel sensor (1)

2. Refitting

CAUTION : Adhere to the tightening torques ⓘ .

CAUTION : Avoid any knocks to the head of the front wheel sensor.

Check that the front wheel sensor (1) is clean.

Refit :

- The front wheel sensor (1)
- The bolt (2)

Clip the front wheel sensor harness (1) (at "a", "b", "c").

Connect the connector (at "d").

Refit :

- The front wheel
- The front wheel bolts

Return the vehicle to its wheels.

Tighten the wheel bolts .

Read the fault codes.

REMOVING - REFITTING : HANDBRAKE LEVER SWITCH

ESSENTIAL : Observe the safety and cleanliness recommendations.

1. Removing

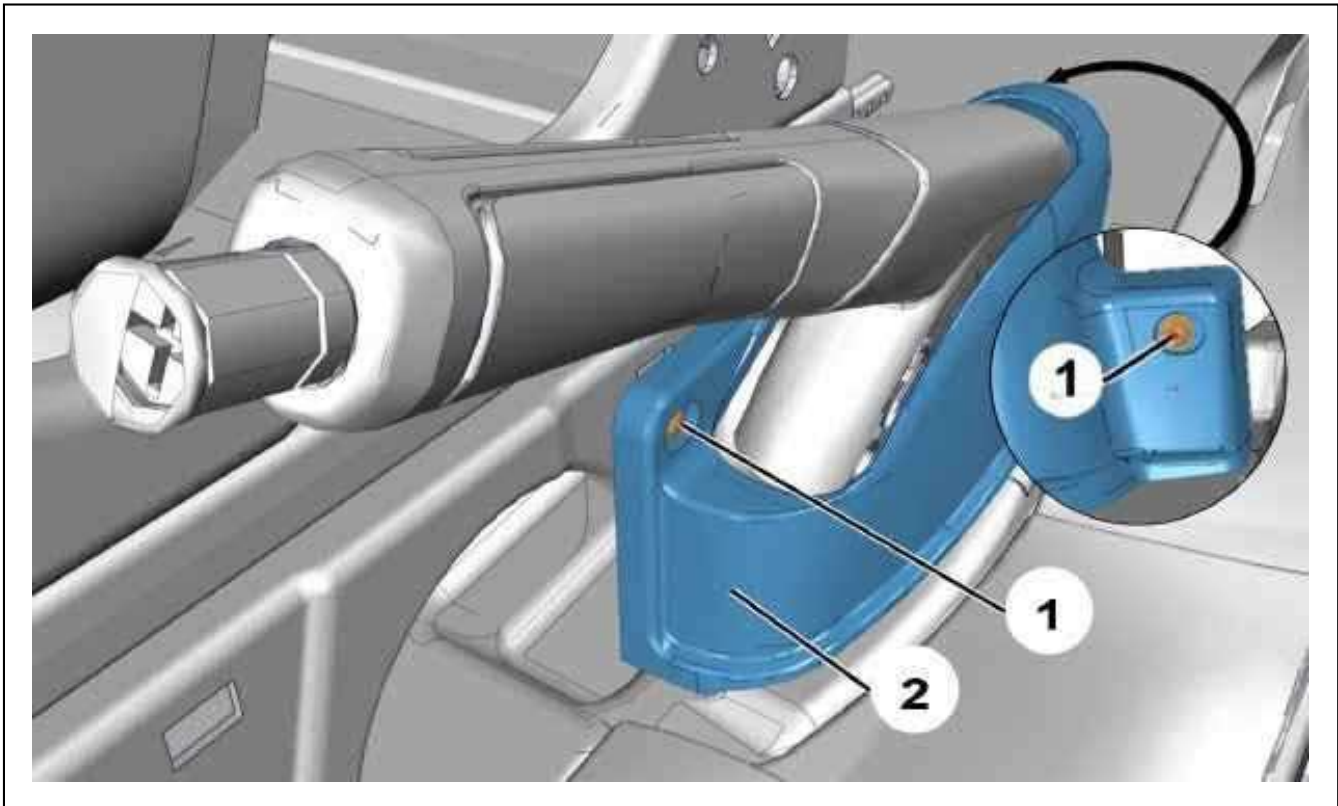


Figure : B3FP7TLD

Apply the handbrake.

Push the driver's seat all the way forward.

Remove :

- The bolts (1)
- The handbrake trim (2)

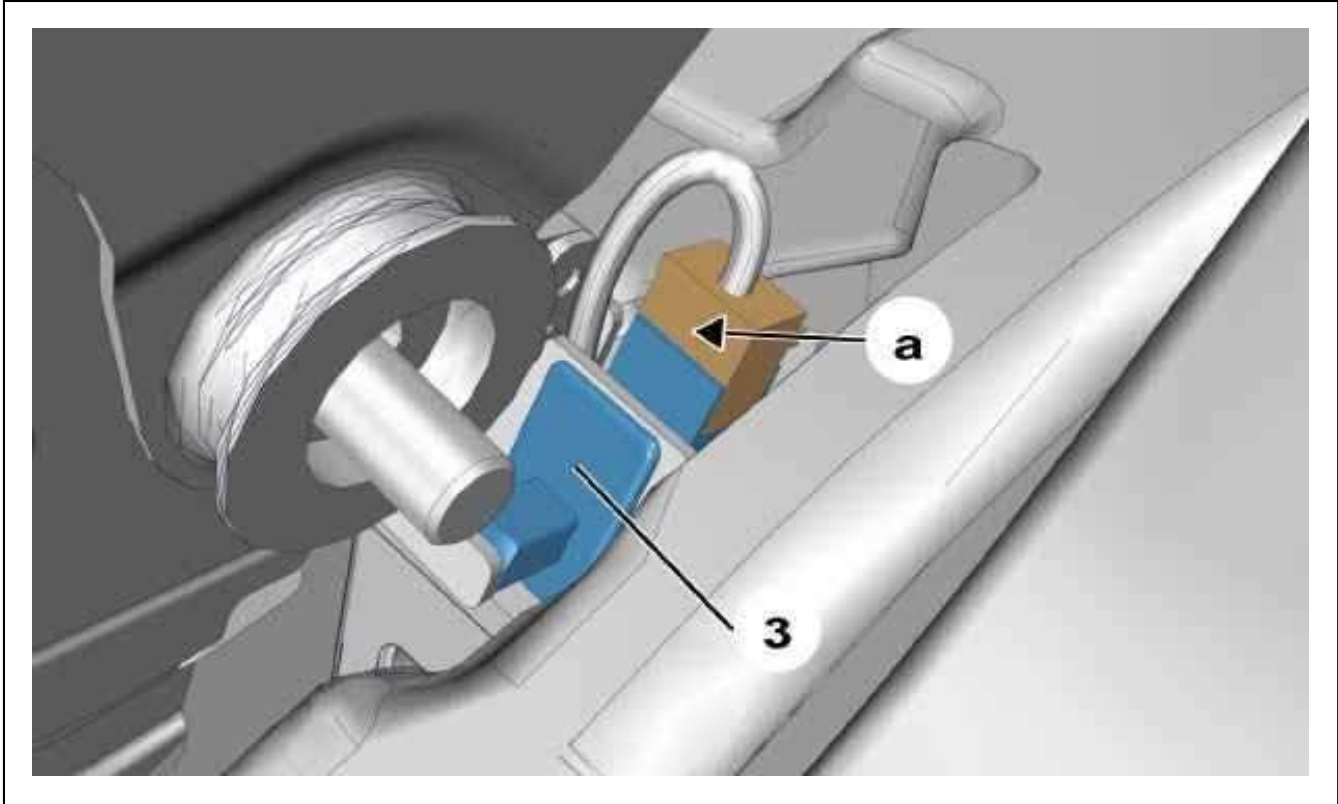


Figure : B3FP7TMD

Disconnect the handbrake lever switch (3) connector (as "a").

Remove the handbrake lever switch (3).

2. Refitting

Refit the handbrake lever switch (3).

Reconnect the handbrake lever switch (3) connector (as "a").

Refit :

- The handbrake trim (2)
- The bolts (1)

REMOVING - REFITTING : PARKING BRAKE CABLES (DISC BRAKES AND DRUM BRAKES)

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

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

ESSENTIAL : Wait for the exhaust heat shield to cool to avoid any risk of burns.

1. Removing the primary handbrake cable

Lift and support the vehicle with the wheels free.

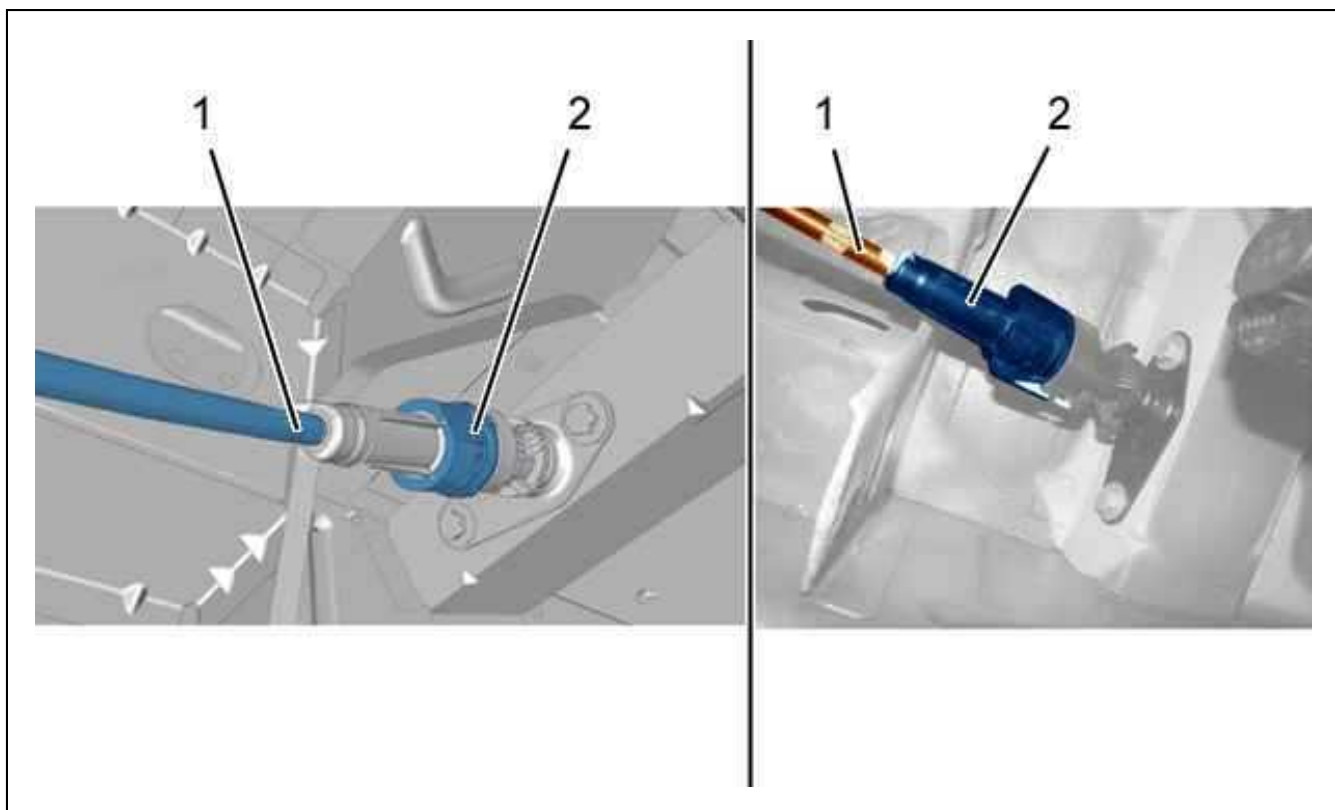


Figure : B3FG229D

Place the parking brake lever at rest.

Turn the ring (2) anticlockwise to the stop to release the handbrake cable (1).

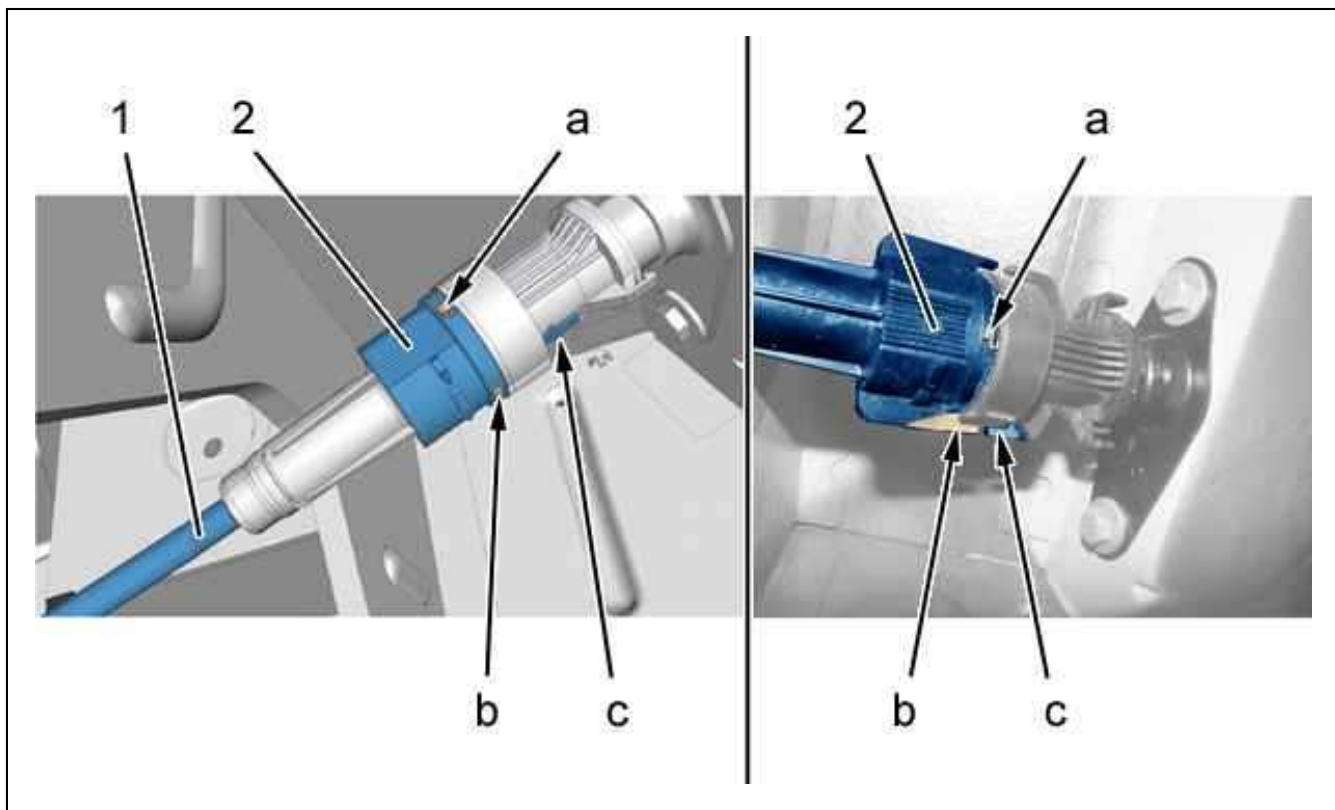


Figure : B3FG22AD

The mark "c" is aligned with the mark "b" : The handbrake cable (1) is locked in the ring (2) (according to assembly).
 The mark "a" is aligned with the mark "c" : The handbrake cable (1) is released in the ring (2) (according to assembly).

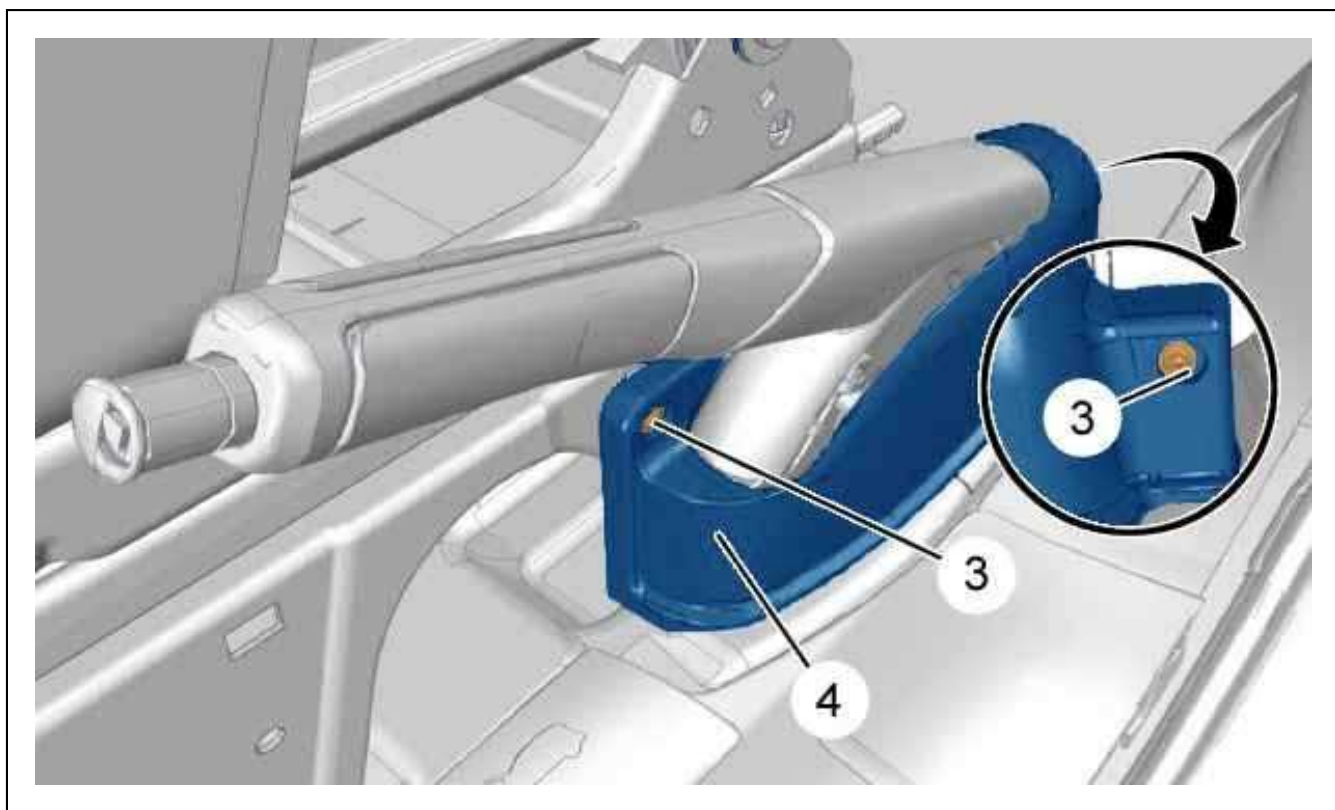


Figure : B3FG22BD

Pull the handbrake lever to the stop .

Push the driver's seat all the way forward.

Remove :

- The bolts (3)
- The protector (4)

Turn the ring (2) clockwise to the stop to lock the handbrake cable (1).

Place the parking brake lever at rest.

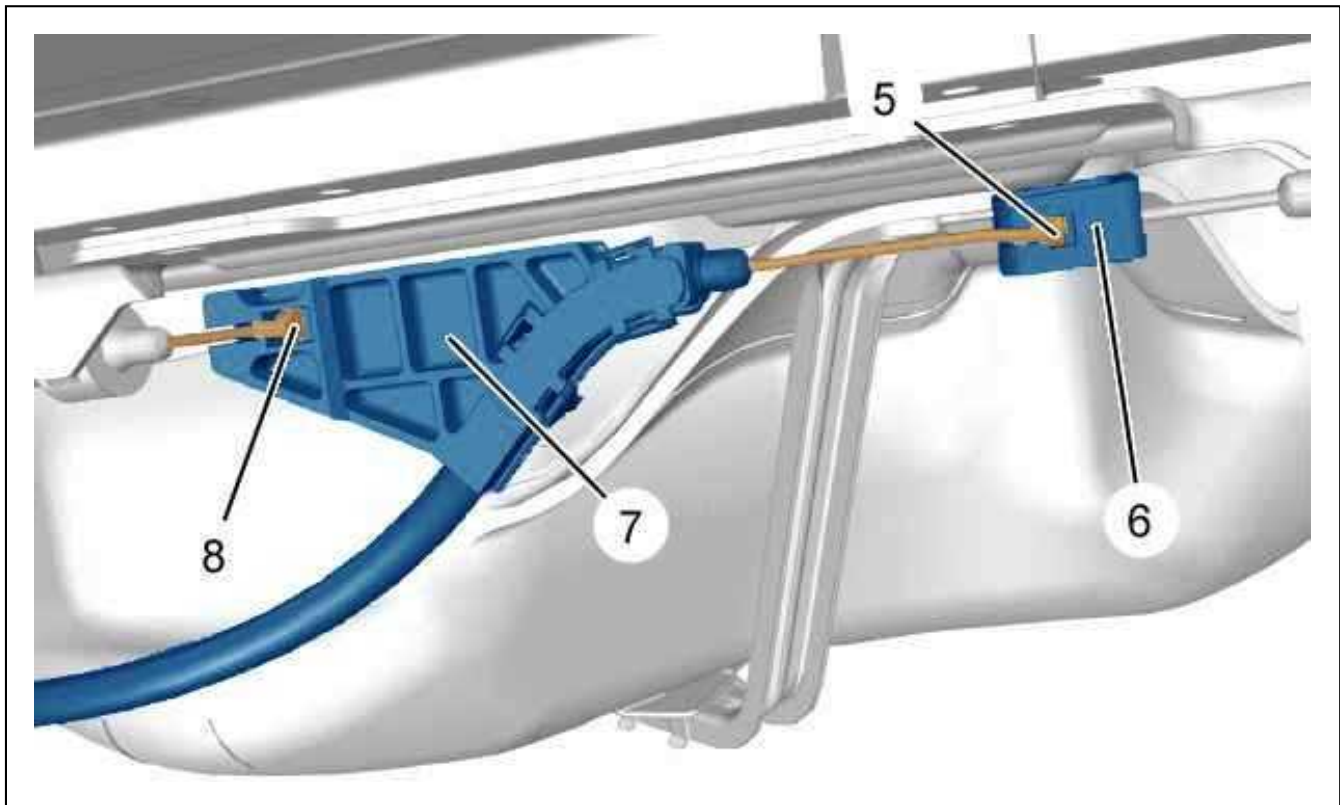


Figure : B3FG22CD

Detach the cable end piece (5) from the yoke (6).

Pivot and relocate the manifold (7) then unhook the cable end piece (8).

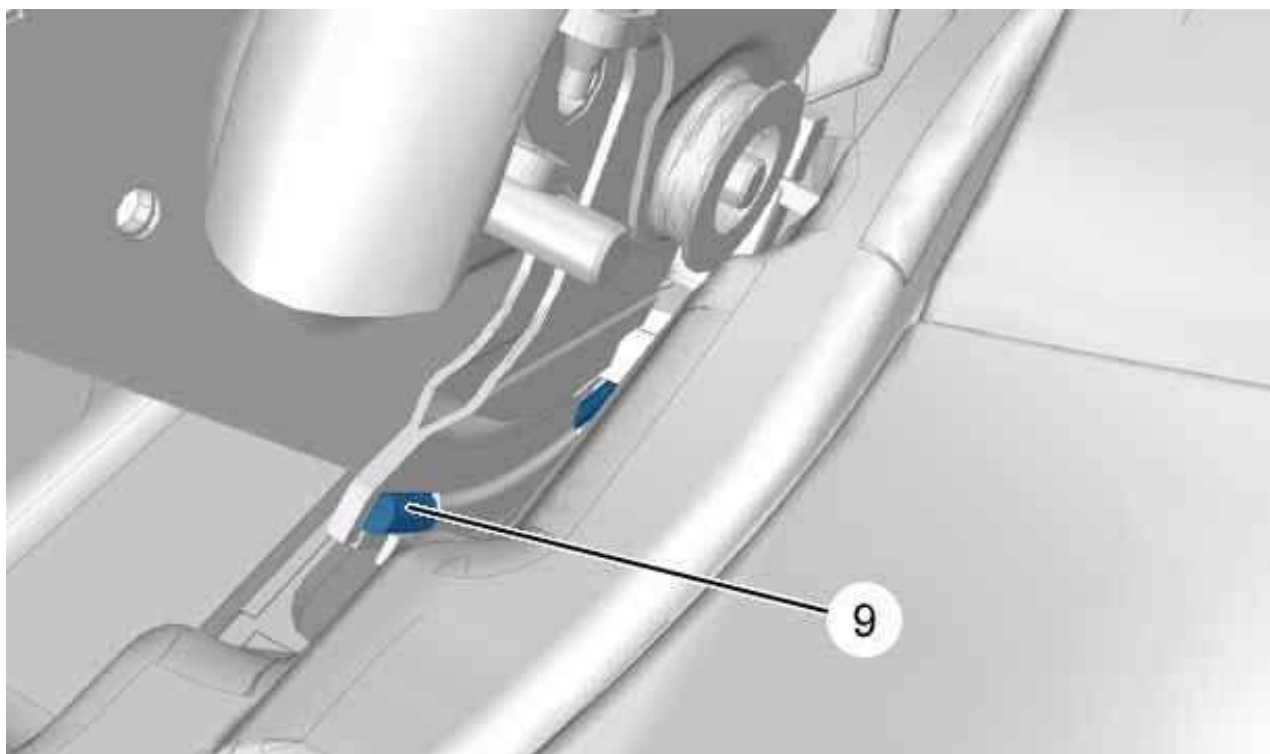


Figure : B3FG22DD

Disengage the cable end piece (9) from the handbrake lever .

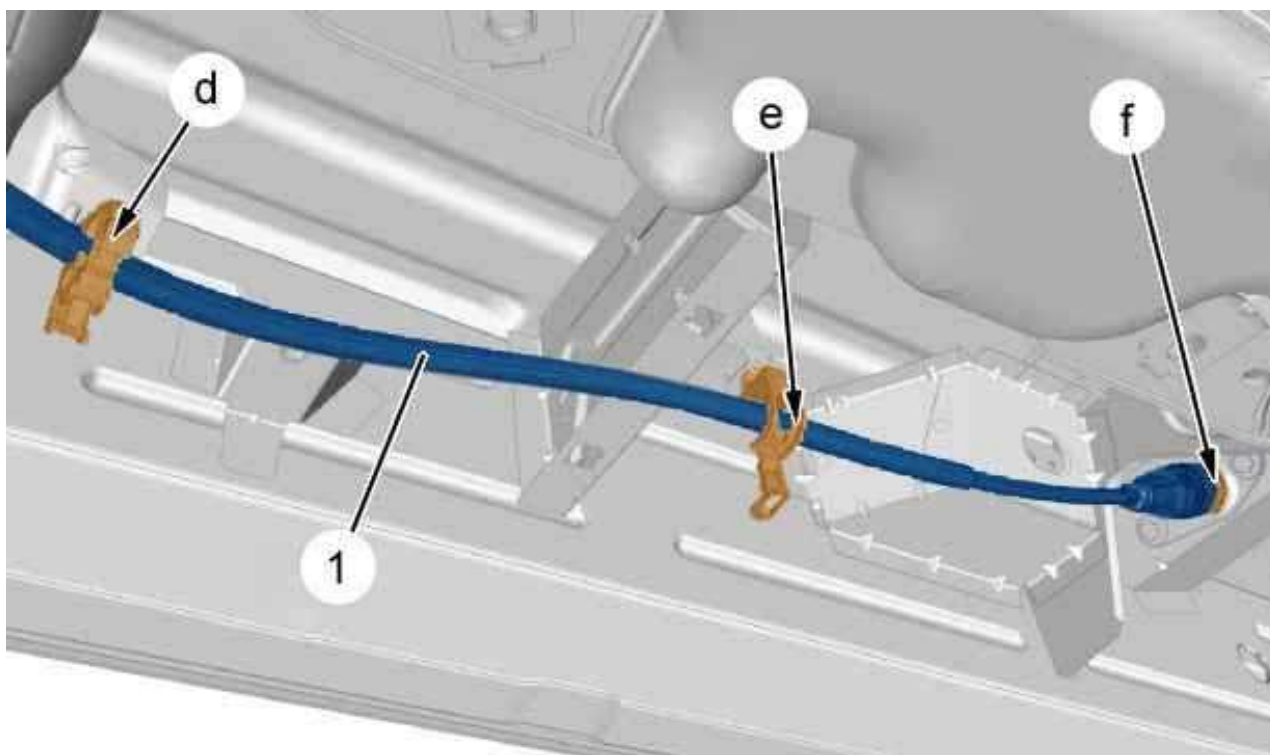


Figure : B3FG22ED

Unclip the parking brake cable (1) (at "d, e, f").
Remove the primary handbrake cable assembly .

2. Removing the secondary handbrake cables

2.1. Common operations

Lift and support the vehicle with the wheels free.

Place the parking brake lever at rest.

Turn the ring (2) anticlockwise to the stop to release the handbrake cable (1).

Pull the handbrake lever to the stop .

Turn the ring (2) clockwise to the stop to lock the handbrake cable (1).

Place the parking brake lever at rest.

2.2. Left-hand secondary handbrake cable

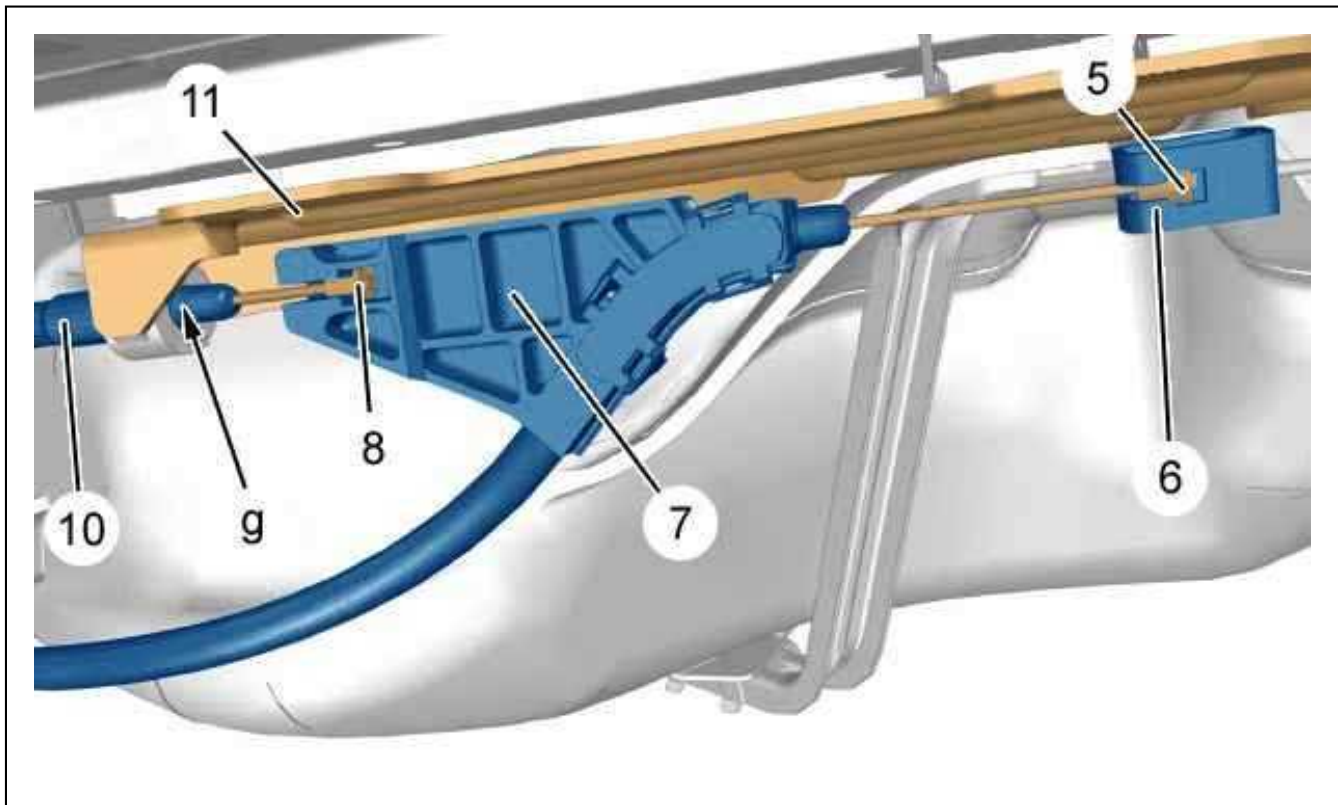


Figure : B3FG22FD

Detach the cable end piece (5) from the yoke (6).

Pivot and relocate the manifold (7) then unhook the cable end piece (8).

Unclip the left-hand secondary handbrake cable (10) from the support (11) applying pressure to the tabs (at "g").

2.3. Right-hand secondary handbrake cable

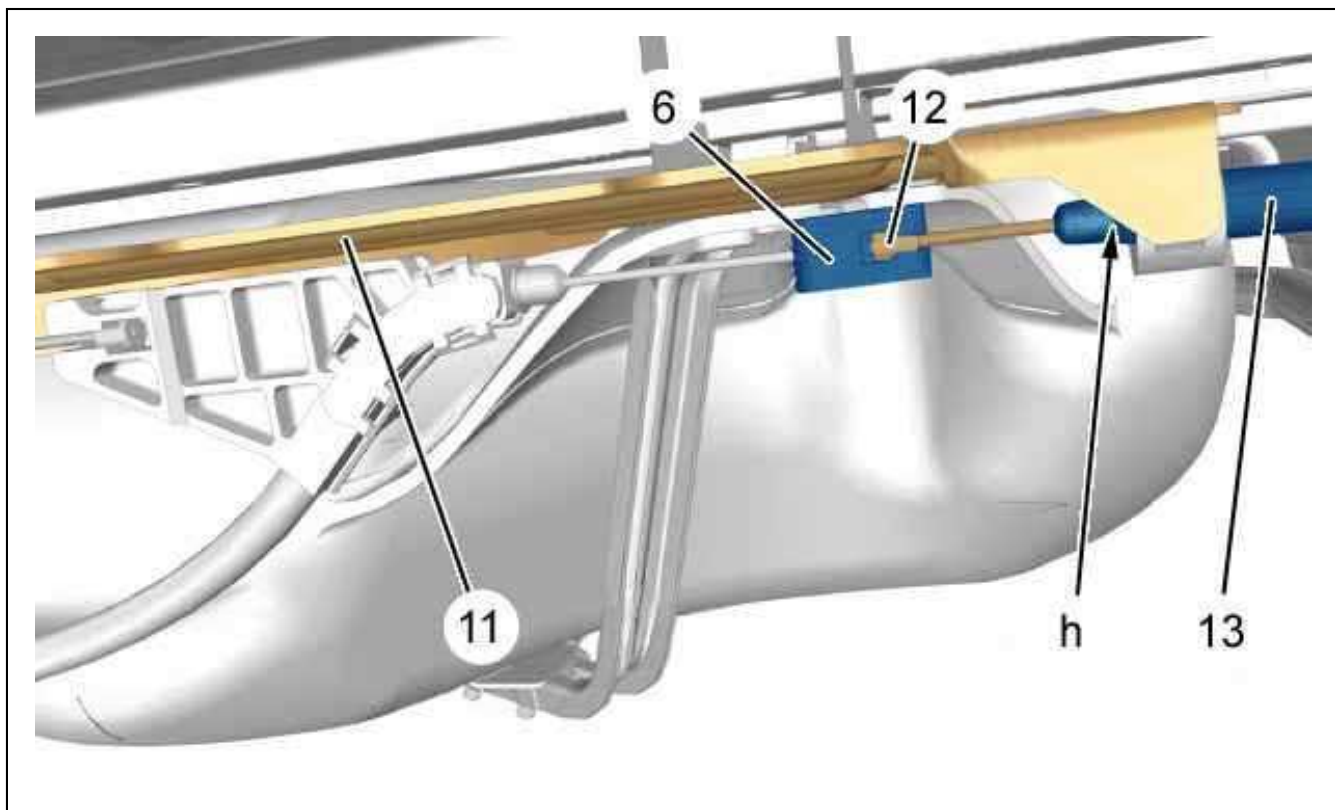


Figure : B3FG22GD

Detach the cable end piece (12) from the yoke (6).

Unclip the right-hand secondary handbrake cable (13) from the support (11) applying pressure to the tabs (at "h").

2.4. disc brakes (on each side)

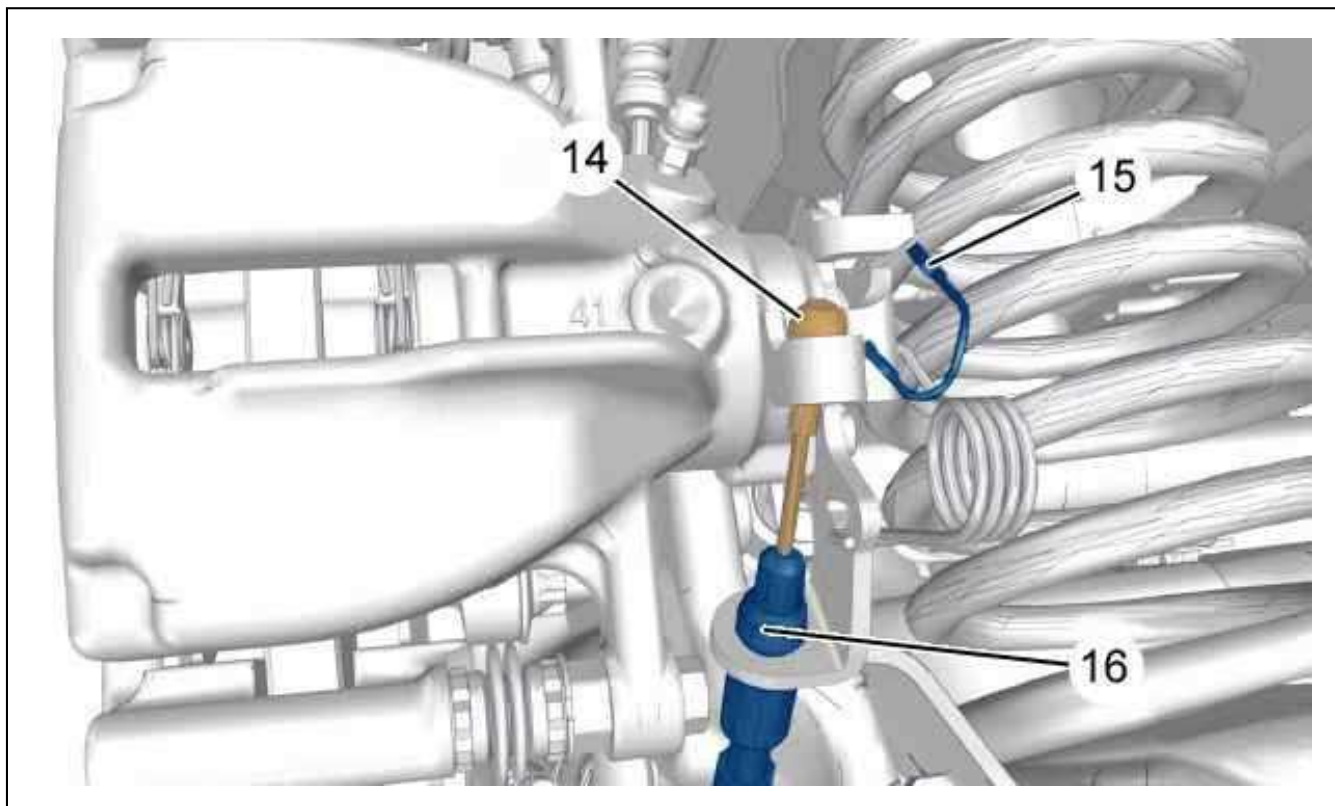


Figure : B3FG22HD

Detach the cable end piece (14) from the brake caliper .

Remove the bush (16).

CAUTION : If necessary, pull out the shim (15) from the brake caliper lever (on each side).

Disengage the secondary handbrake cable from its guides .

Remove the secondary handbrake cable .

2.5. Drum brakes (on each side)

Remove the rear brake drum  .

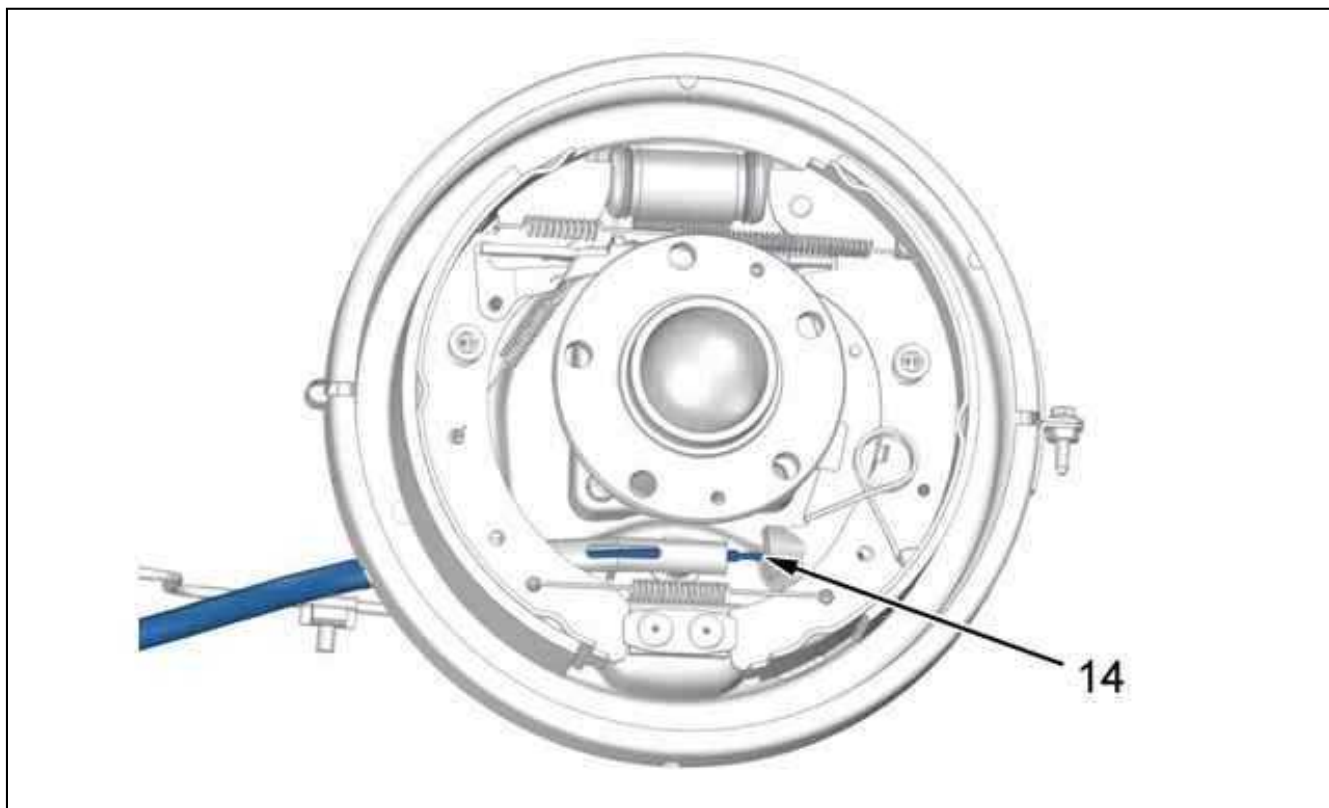


Figure : B3FG23JD

Release the cable end (14) from its mounting.

Disengage the secondary handbrake cable from its guides .

Remove the secondary handbrake cable .

3. Refitting the secondary handbrake cables

3.1. Drum brakes (on each side)

Refit the secondary handbrake cable .

Engage the secondary handbrake cable in its guides .

Engage the cable end (14) in its mounting.

Refit the rear brake drum  .

3.2. disc brakes (on each side)

Refit the secondary handbrake cable .

Engage the secondary handbrake cable in its guides .

Refit the bush (16).

Engage the cable end piece (14) on the brake caliper .

3.3. Right-hand secondary handbrake cable

Engage the right-hand secondary handbrake cable (13) in the support (11) and clip it (at "h").

Check the locking of the secondary handbrake cable (13) in the support (11).

Engage the cable end piece (12) in the yoke (6).

3.4. Left-hand secondary handbrake cable

Engage the left-hand secondary handbrake cable (10) in the support (11) and clip it (at "g").

Check the locking of the secondary handbrake cable (10) in the support (11).

Engage the cable end piece (8) in the manifold (7).

Engage the cable end piece (5) in the yoke (6).

3.5. Common operations

Pack the secondary handbrake cables .

4. Refitting the primary handbrake cable assembly

4.1. Under the vehicle

Refit the primary handbrake cable assembly .

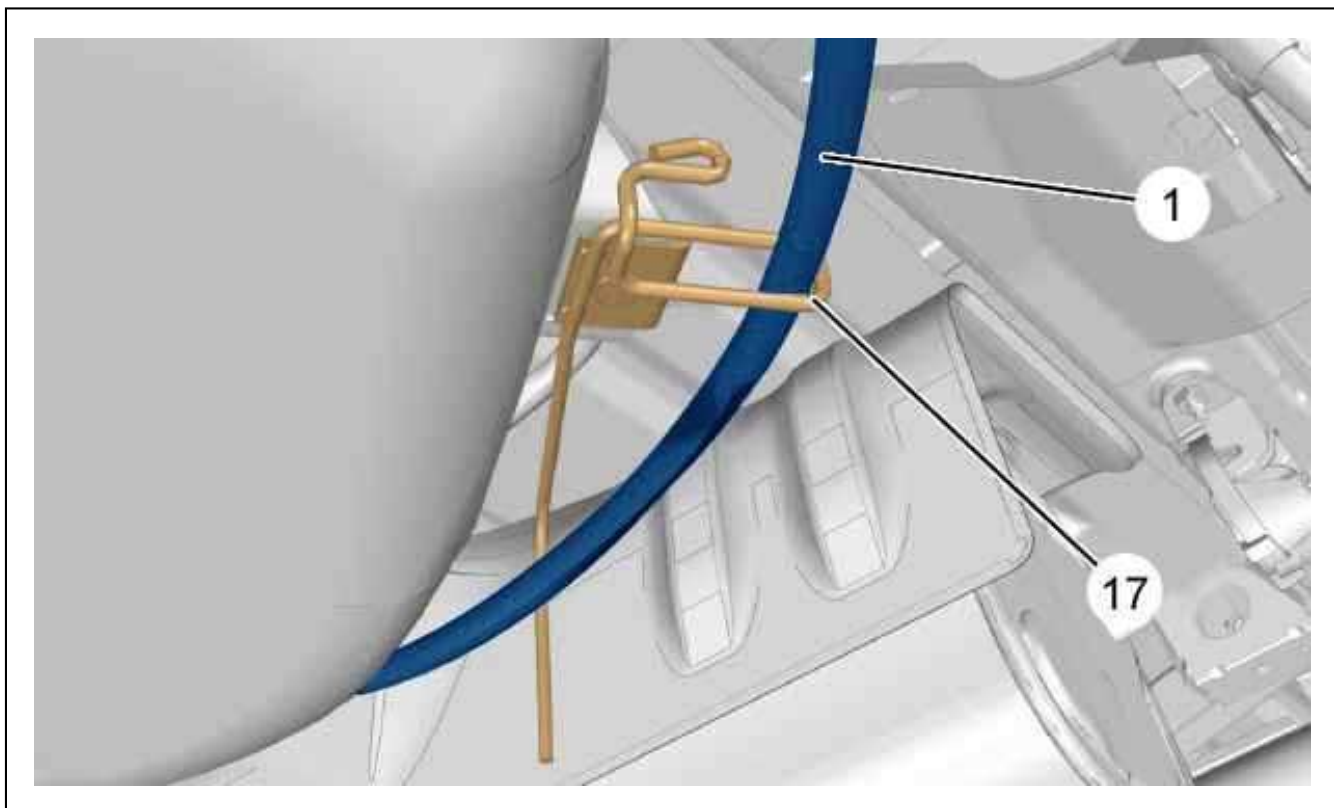


Figure : B3FG22ID

CAUTION : Position the handbrake cable (1) in front of the hook (17) in order to avoid it contacting with the exhaust heat shield.

Clip the parking brake cable (1) (at "d, e, f").

Engage the cable end piece (9) at the handbrake lever .

Engage :

- The cable end piece (8) in the manifold (7)
- The cable end piece (5) in the yoke (6)

Refit :

- The protector (4)
- The bolts (3)

4.2. Packing the handbrake cables

CAUTION : In order to pack the handbrake cables , check that the caliper lever shim (15) is pulled out (on each side).

Turn :

- The ring (2) anticlockwise to the stop to release the handbrake cable (1)
- The ring (2) clockwise to the stop to lock the handbrake cable (1)

Pull the handbrake lever at least ten times.

Place the parking brake lever at rest.

Turn :

- The ring (2) anticlockwise to the stop to release the handbrake cable (1)
- The ring (2) clockwise to the stop to lock the handbrake cable (1)

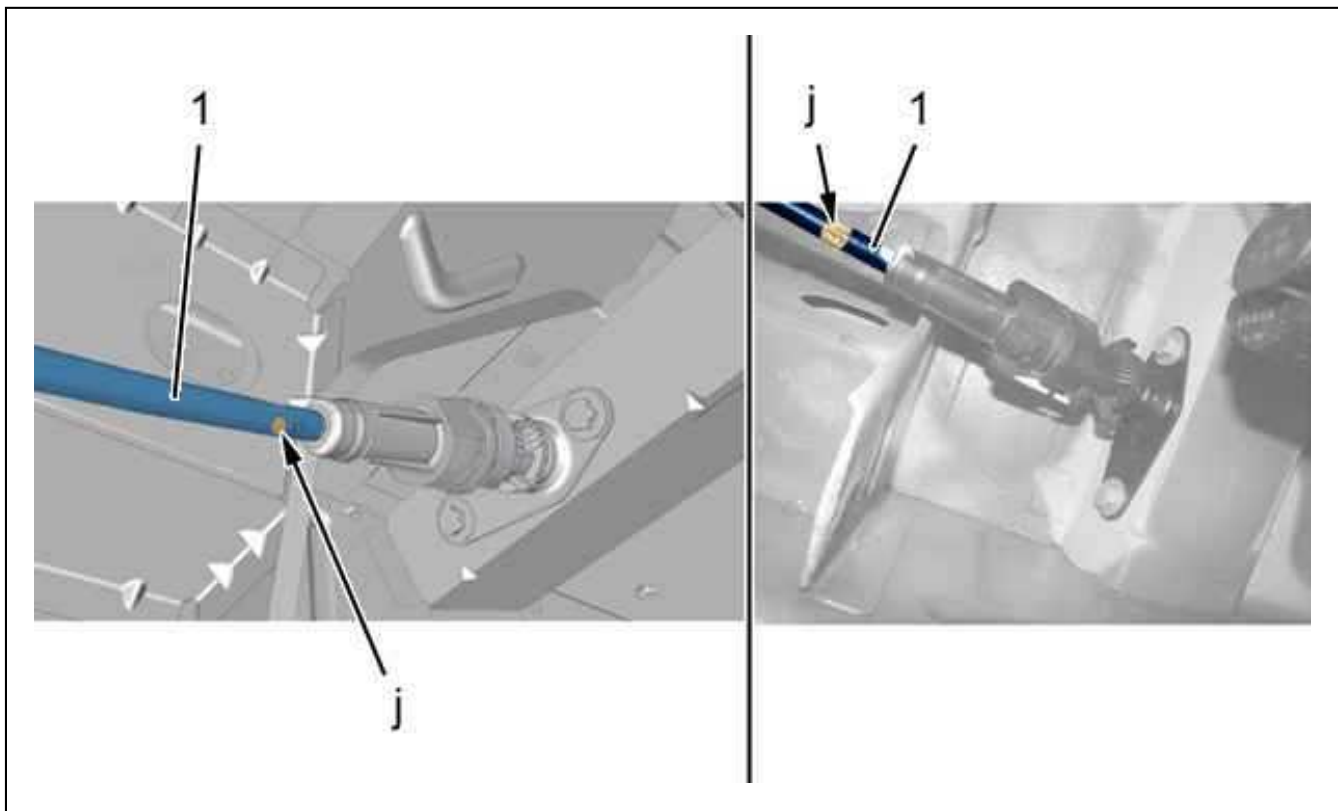


Figure : B3FG22JD

CAUTION : The yellow mark "j" must be visible and away from the ring .

The handbrake cable (1) is locked.

4.3. Checking the packing of the handbrake cables

Raise the vehicle, with wheels suspended.

Place the parking brake lever at rest ; Check that the wheels turn freely by hand.

Check that pad friction begins to occur from the first notch.

Check that the handbrake warning lamp comes on from the first notch of the total travel of the handbrake lever .

Check that the wheels are immobilised from the fourth notch.

Return the vehicle to its wheels.

1. Recommended tools

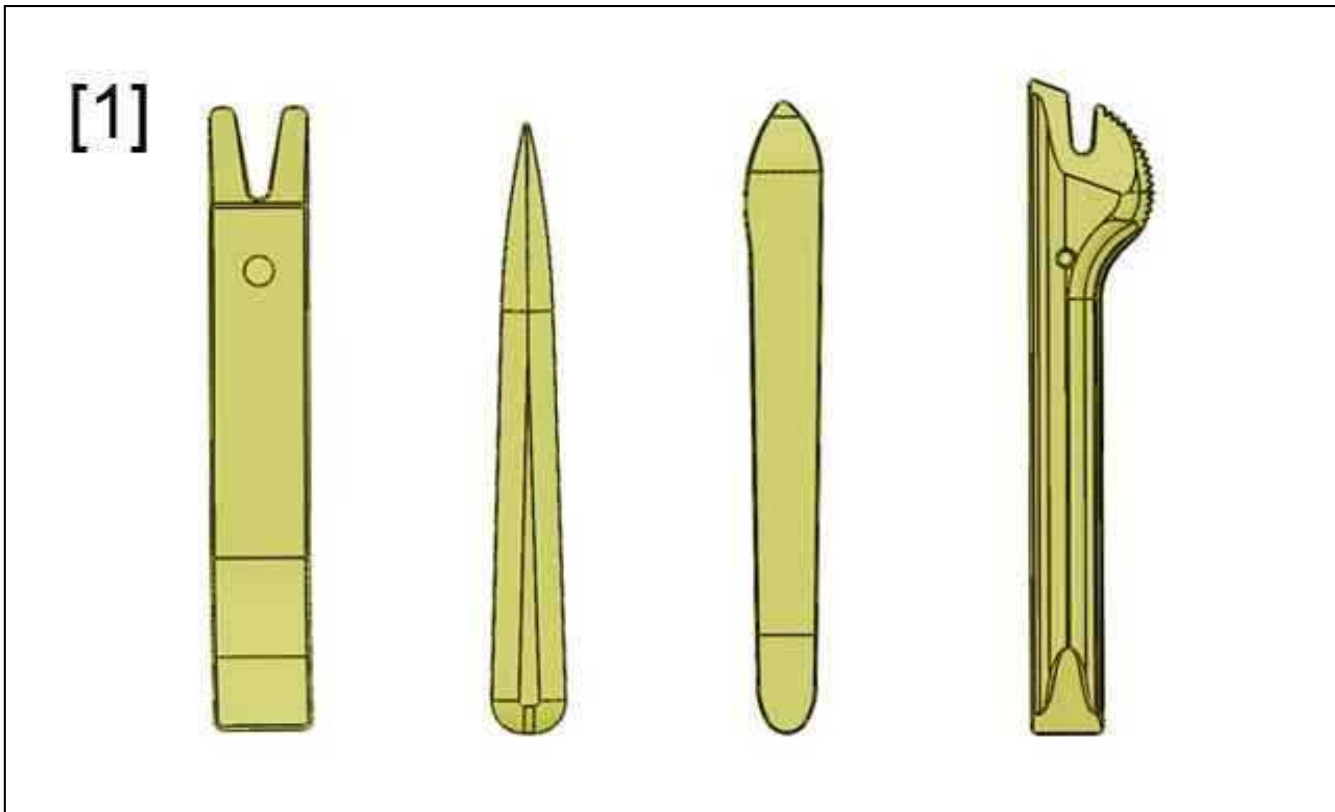


Figure : E5AP30WD

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

2. Removing

Open the door.

Remove the trim panel of the front door ⓘ.

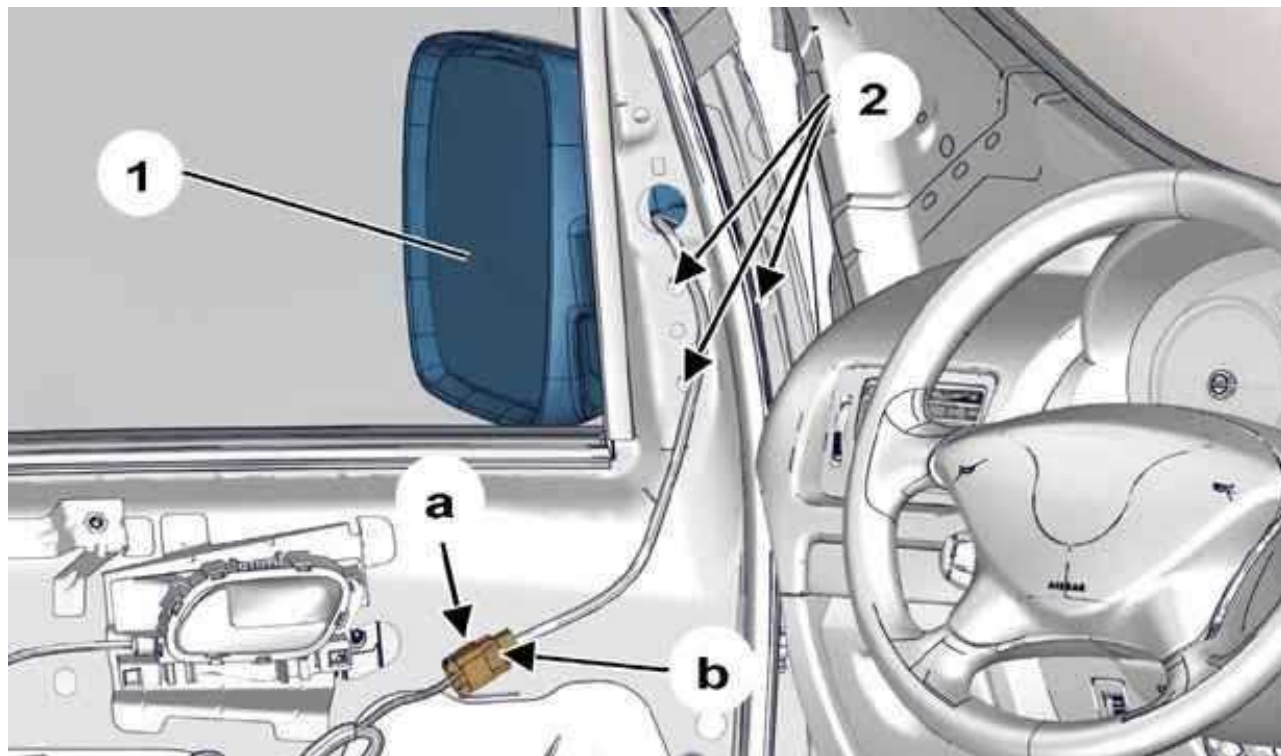


Figure : C4CP2EQD

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

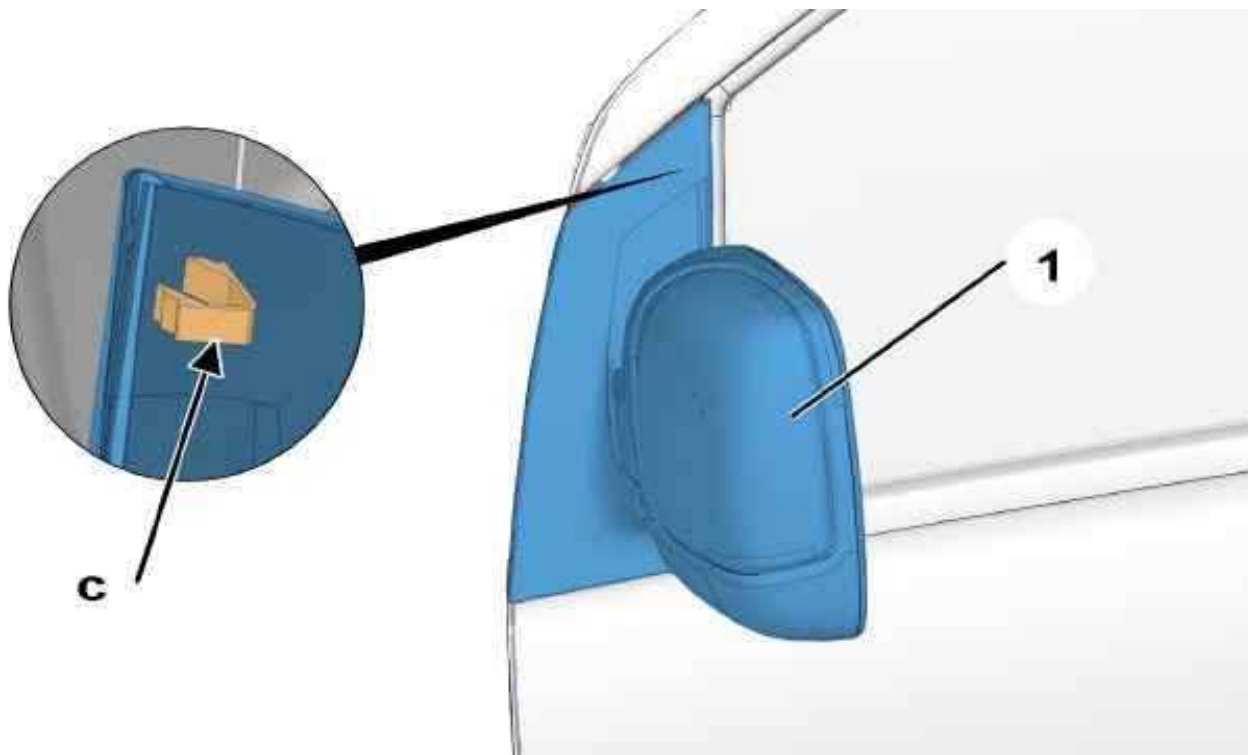


Figure : C4CP2ERD

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

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

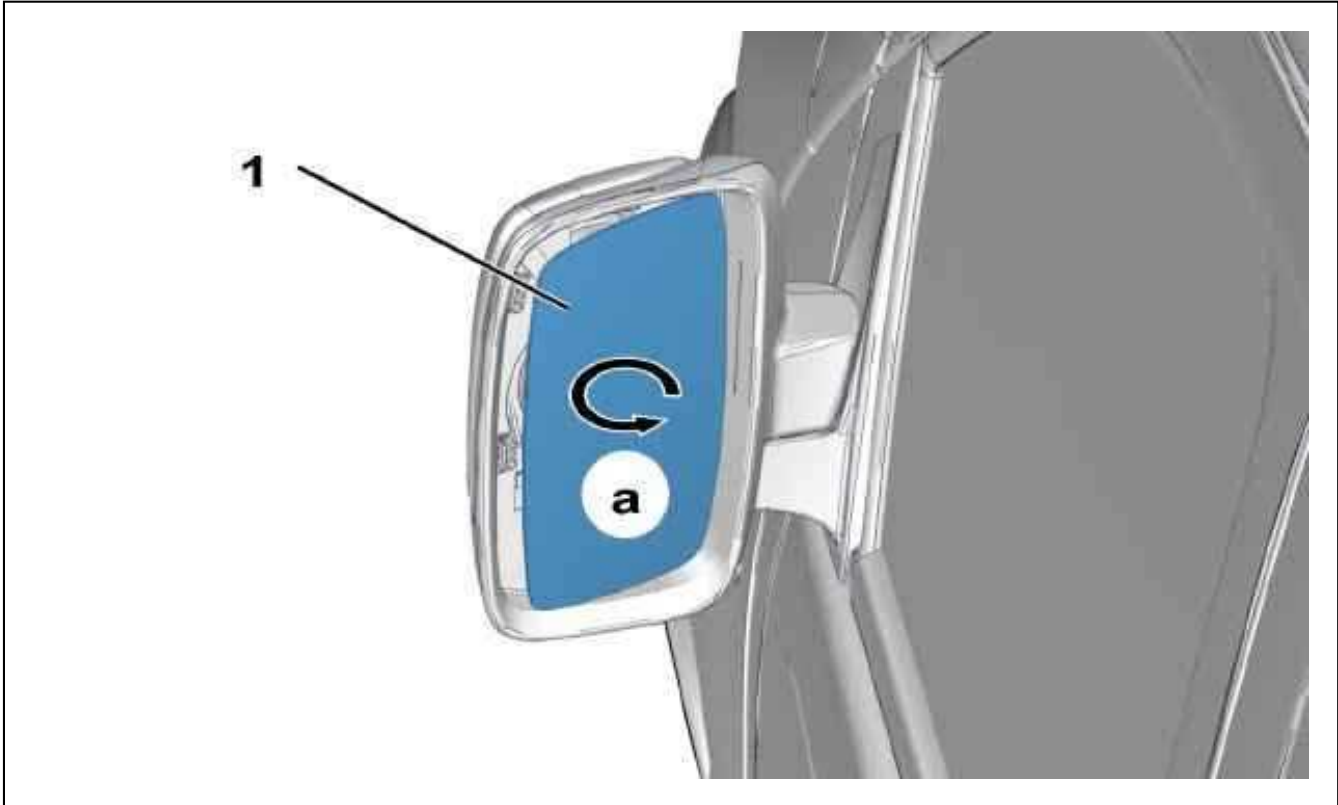


Figure : C4CP2F3D

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

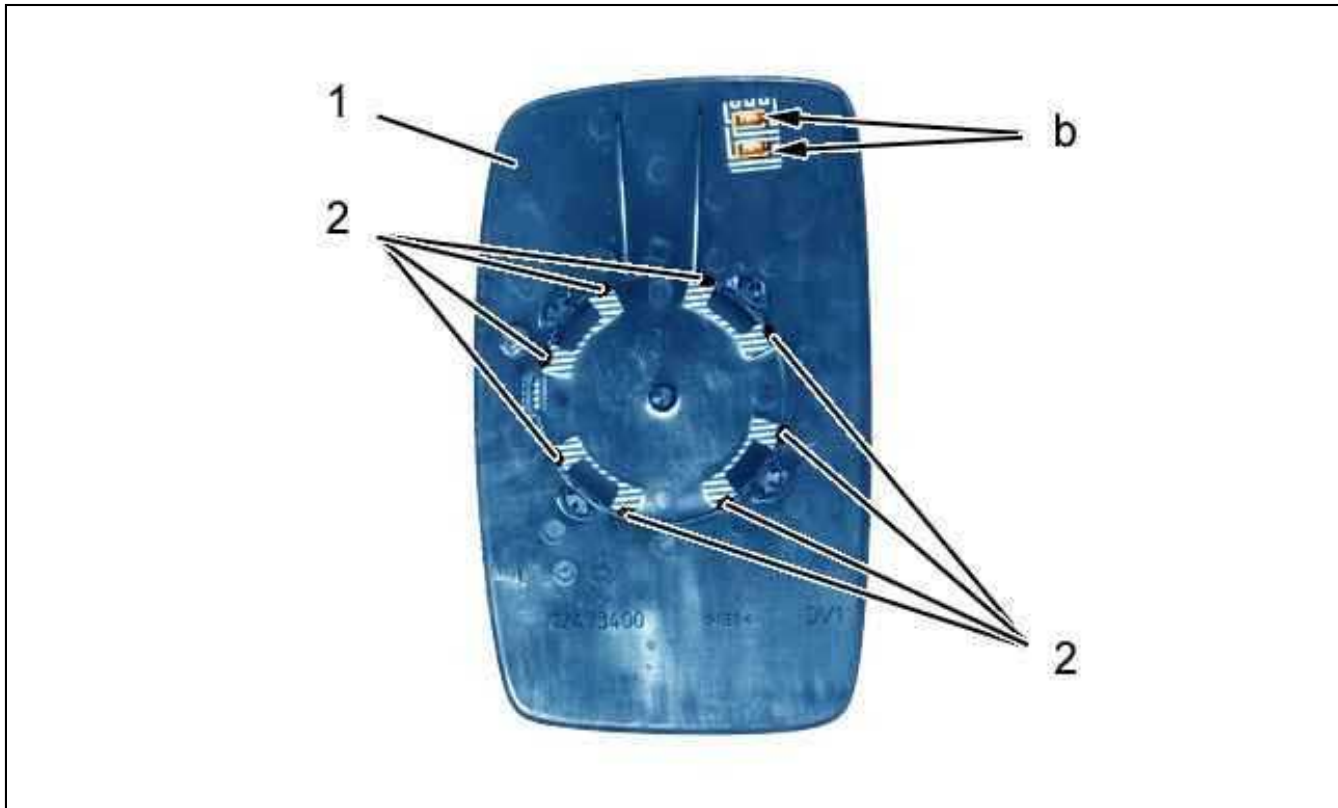


Figure : C5CP0CPD

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).

STRIPPING-ASSEMBLING : EXTERIOR MIRROR

ESSENTIAL : Observe the safety and cleanliness recommendations.

1. Recommended tools

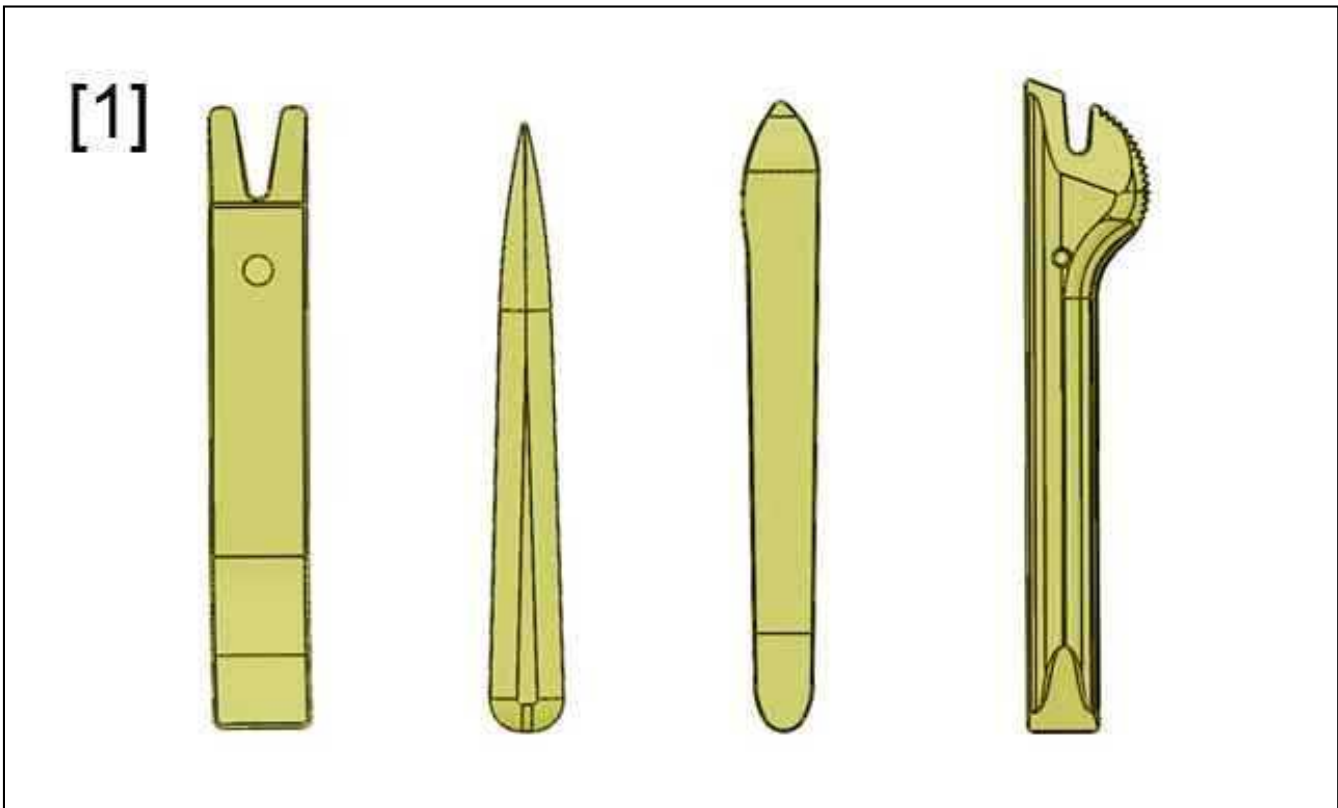


Figure : E5AP30WD

[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

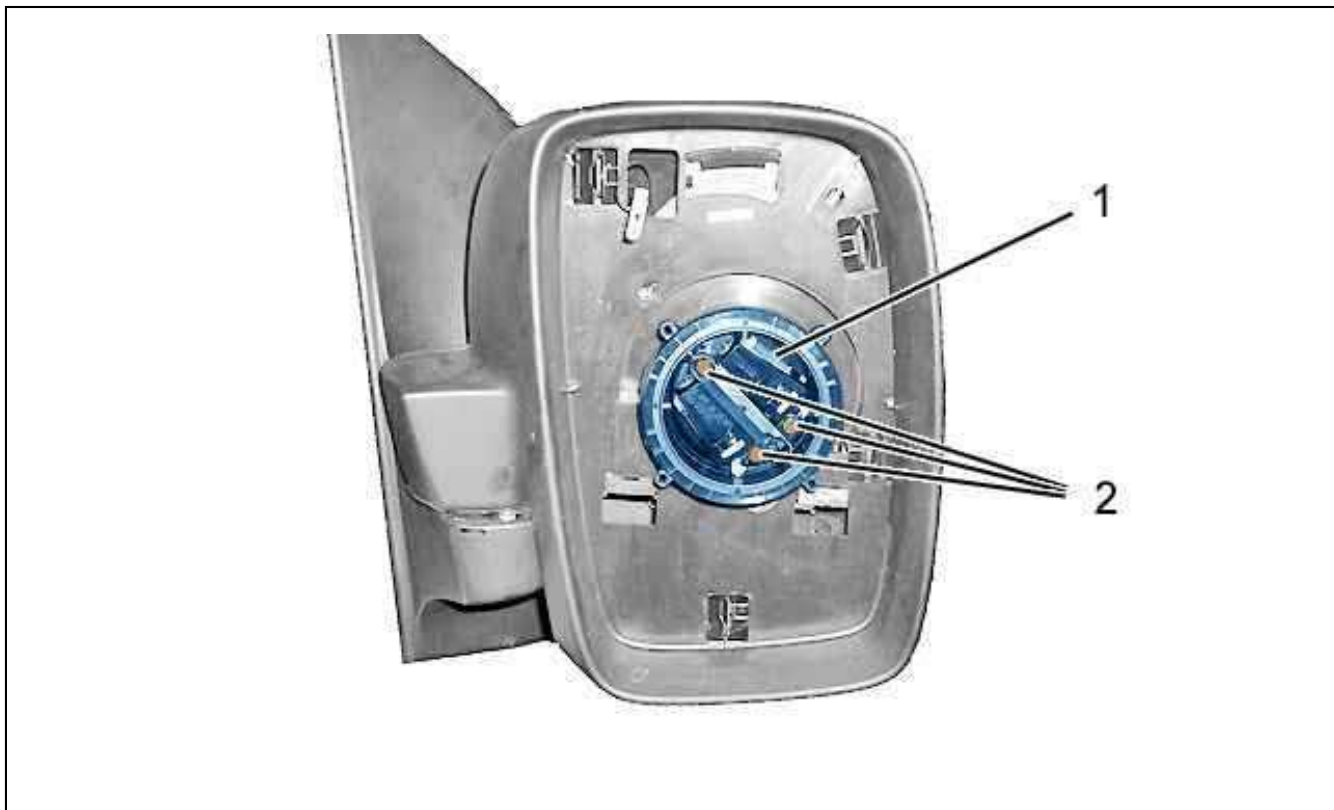


Figure : C4CP2N2D

Remove the bolts (2).

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

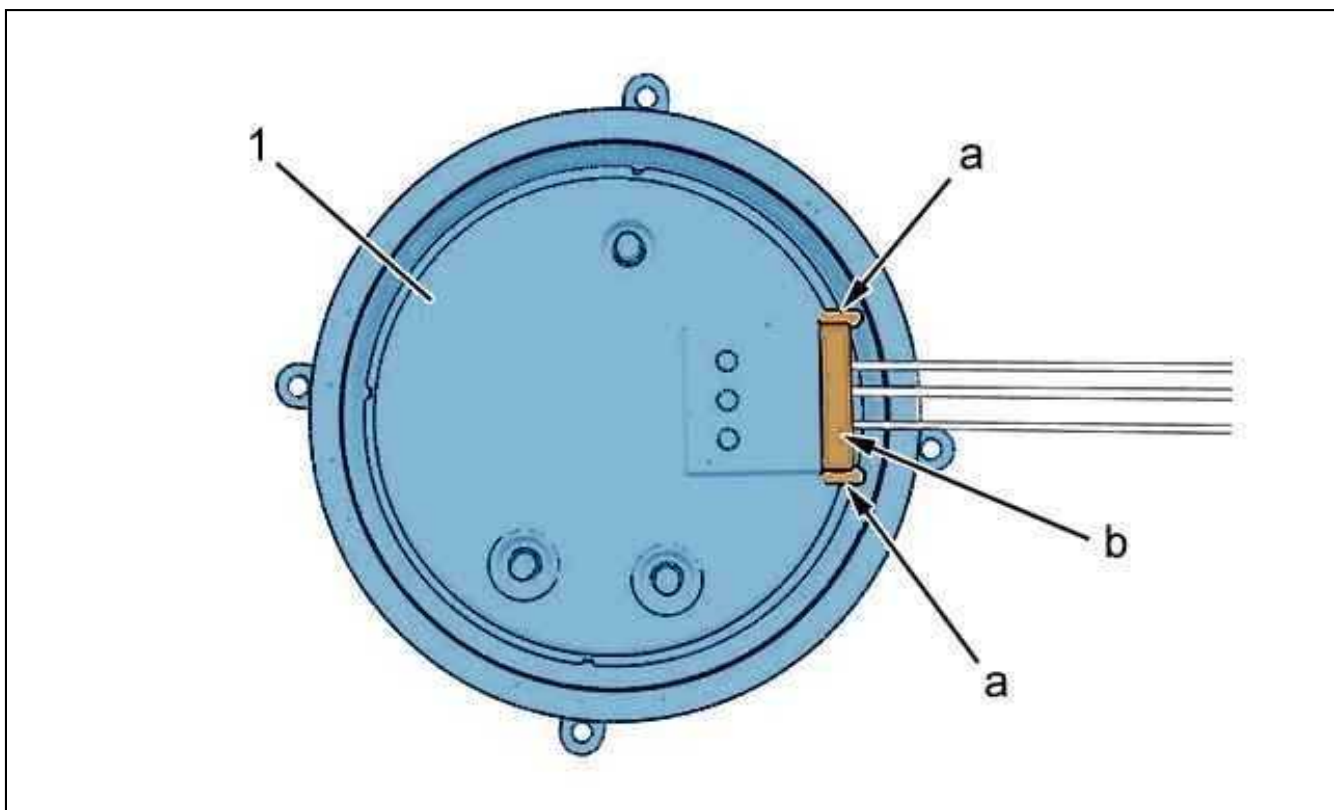


Figure : C5DP0C7D

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

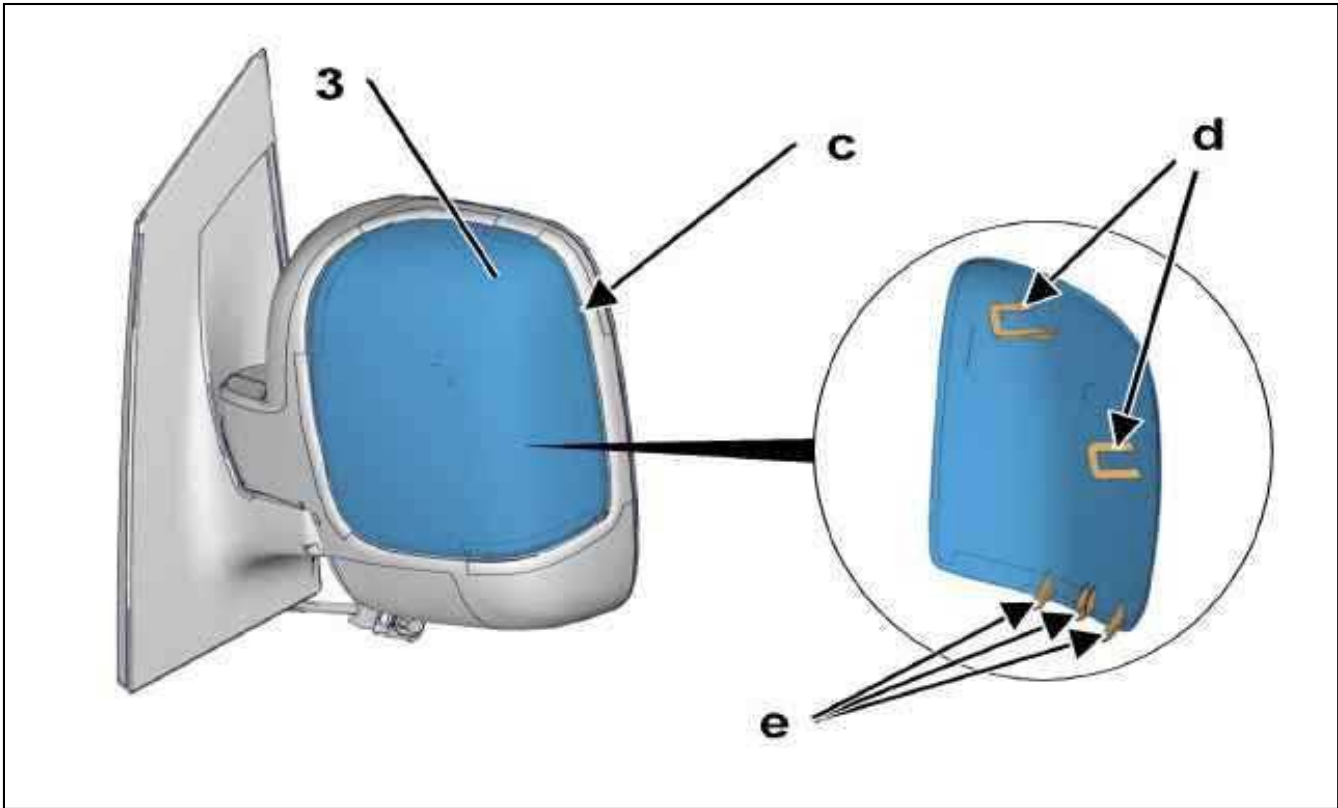


Figure : C4CP2N3D

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

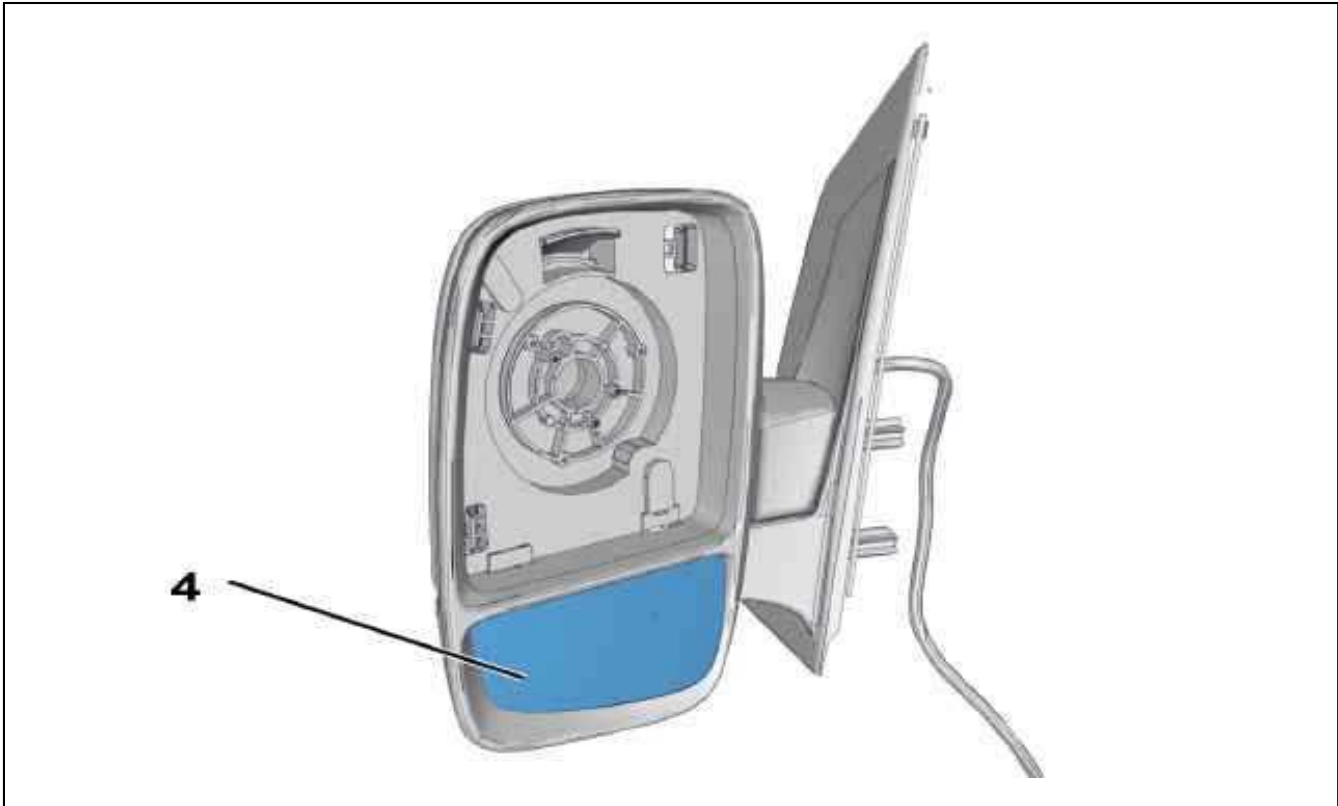


Figure : C4CP2N4D

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.

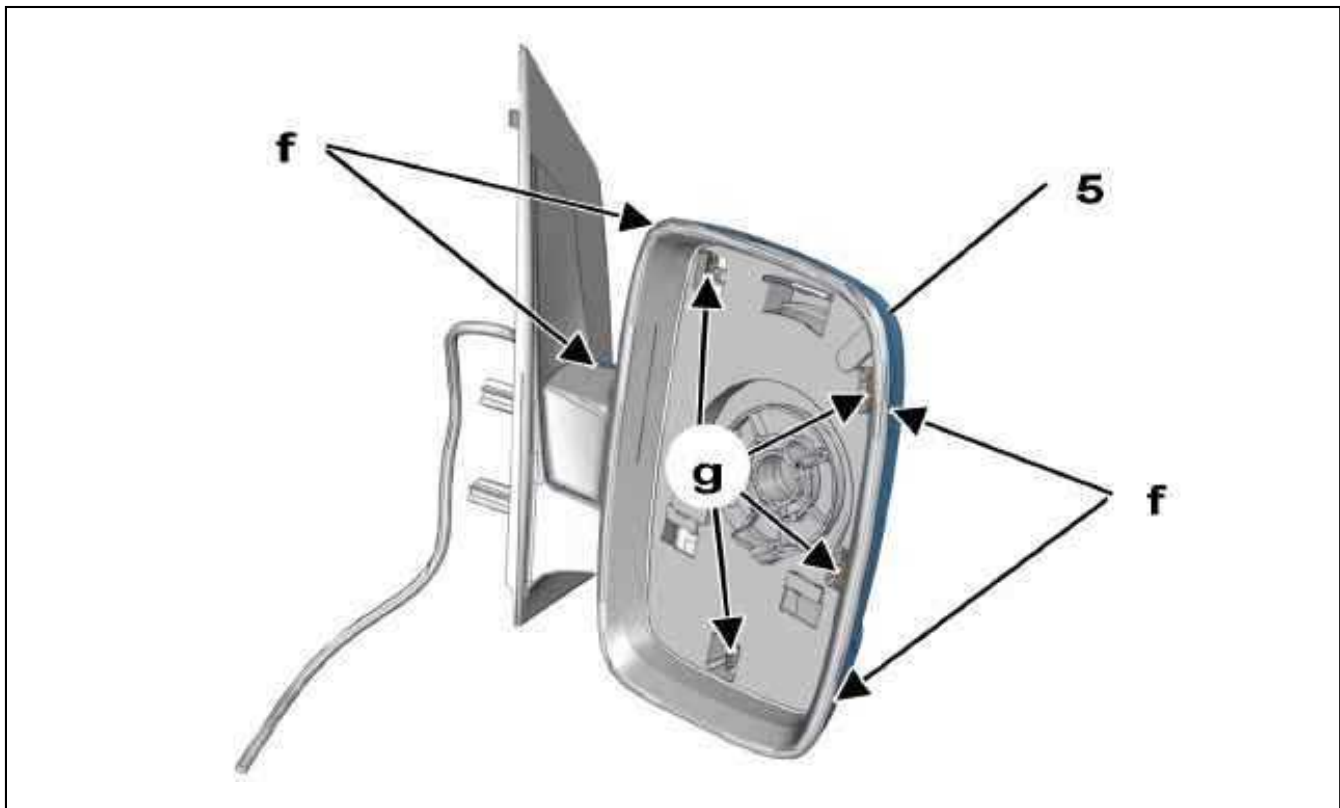


Figure : C4CP2N5D

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).

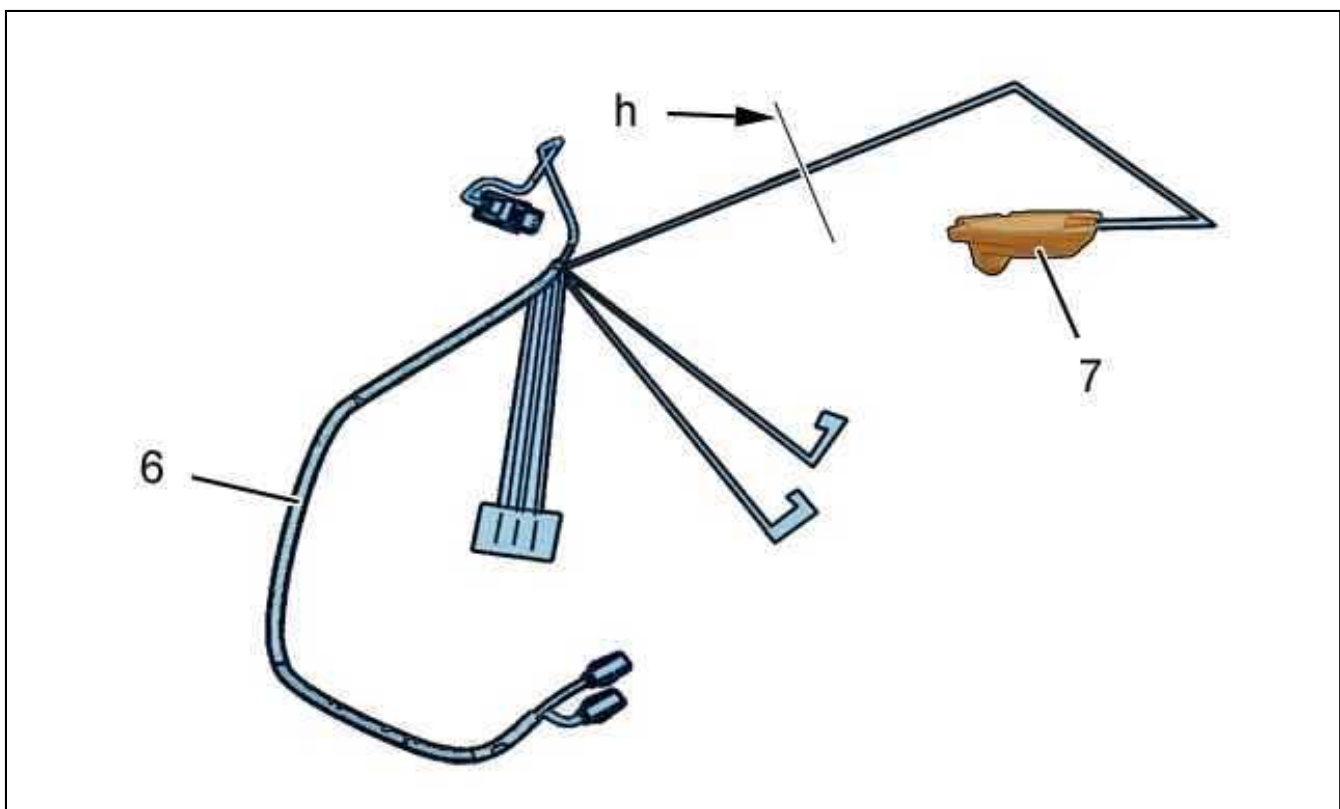


Figure : D4AP0BXD

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).

1. Removing

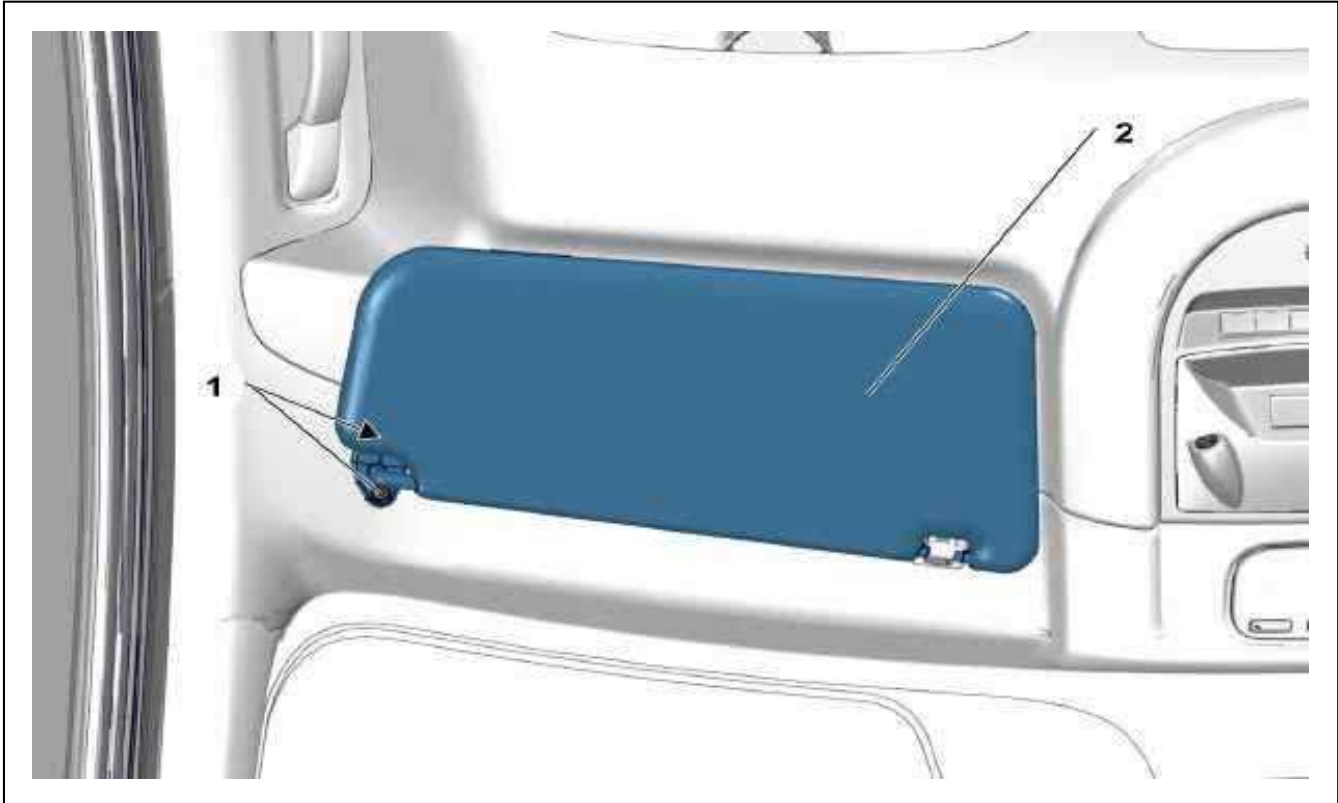


Figure : C5FP19GD

Remove :

- The bolts (1)
- The sun visor (2)

Proceed in the same way for the other side.

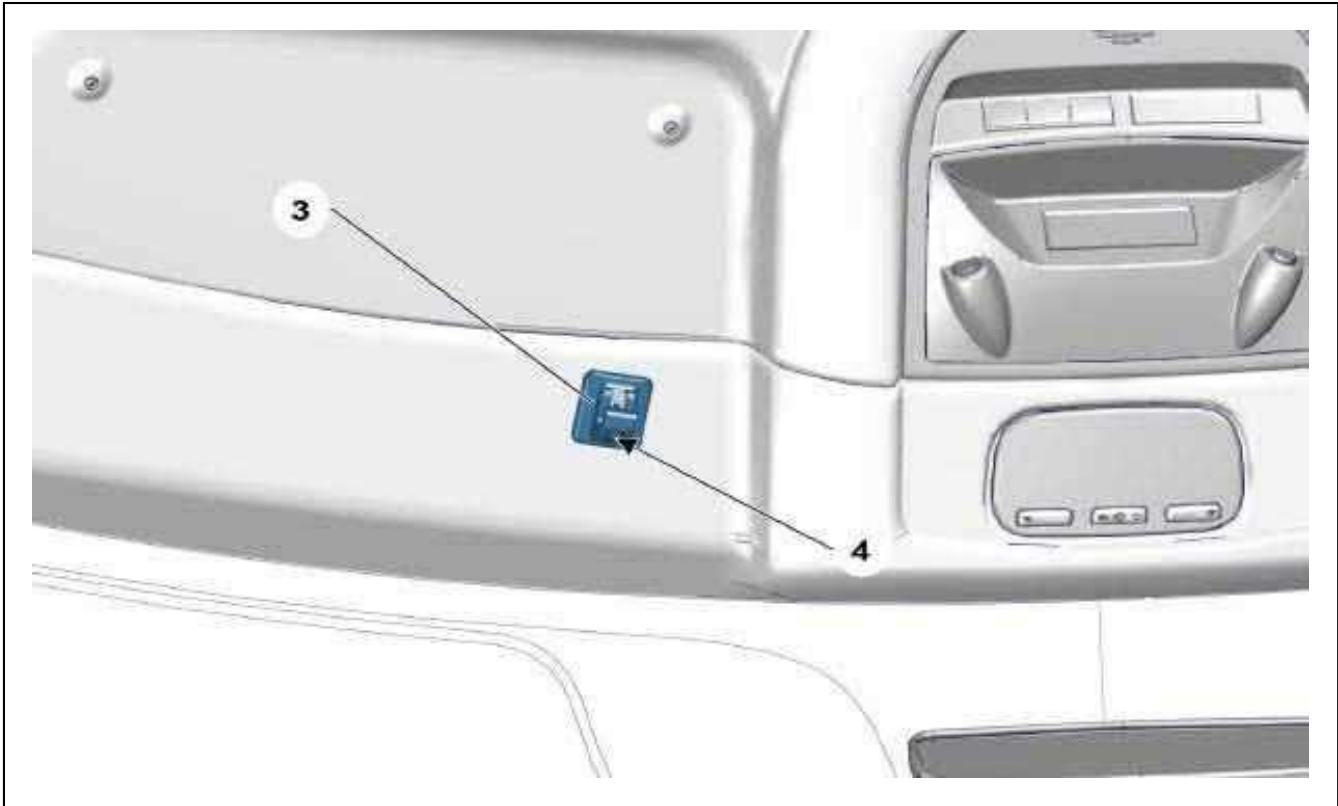


Figure : C5FP19HD

Remove :

- The (4) bolt
- The sun visor anchorage (3)

Proceed in the same way for the other side.

2. Refitting

Proceed in the reverse order to removal.

1. Recommended tools

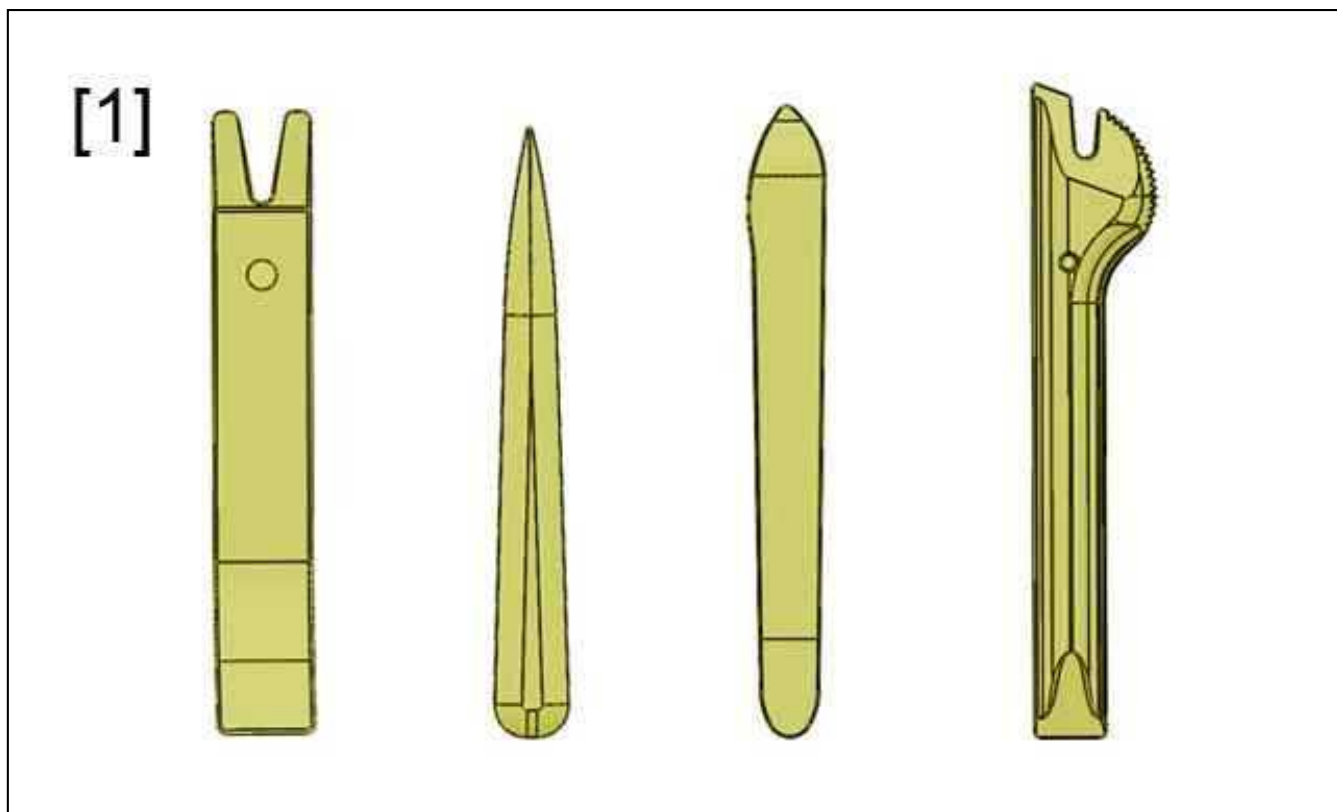


Figure : E5AP30WD

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

2. Removing

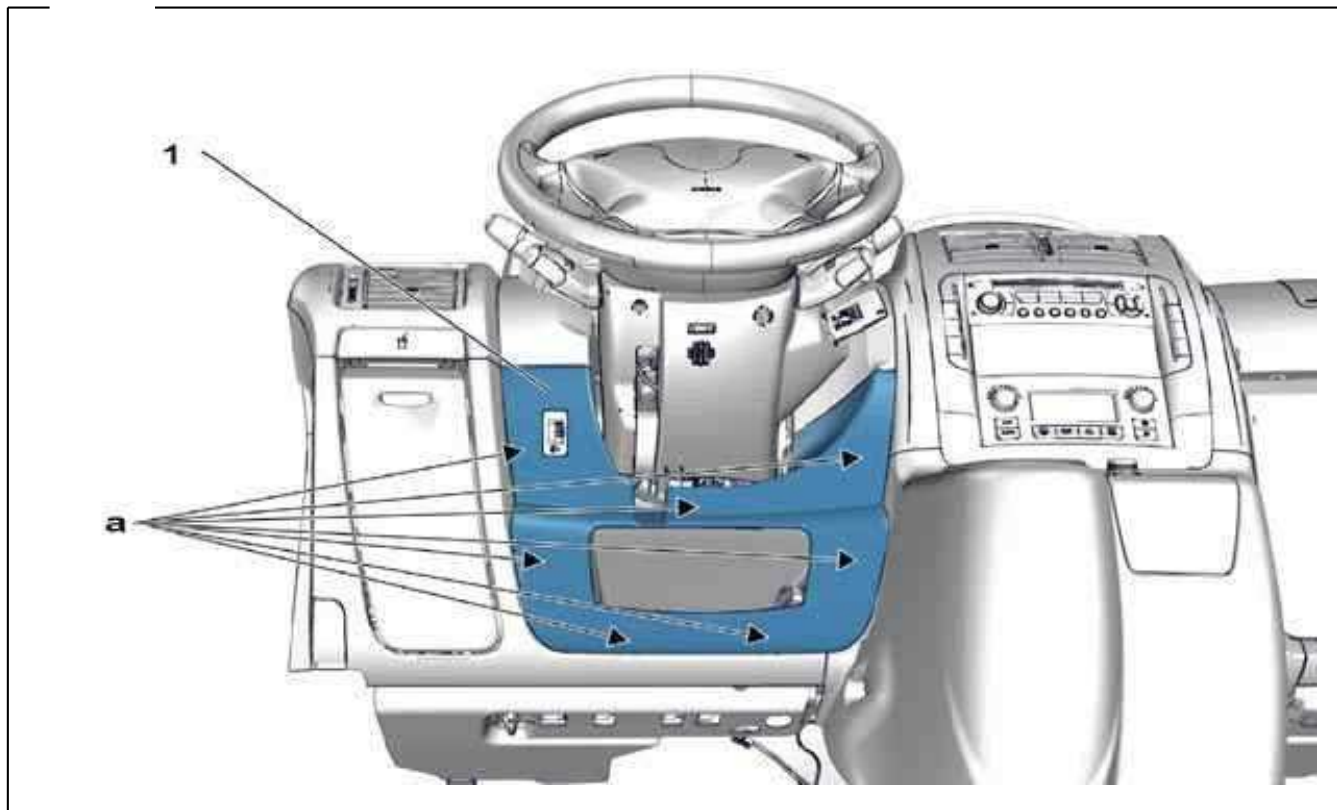


Figure : C5FP18VD

Unclip the trim (1) (as "a") ; Using tool [1].
Remove the trim (1).

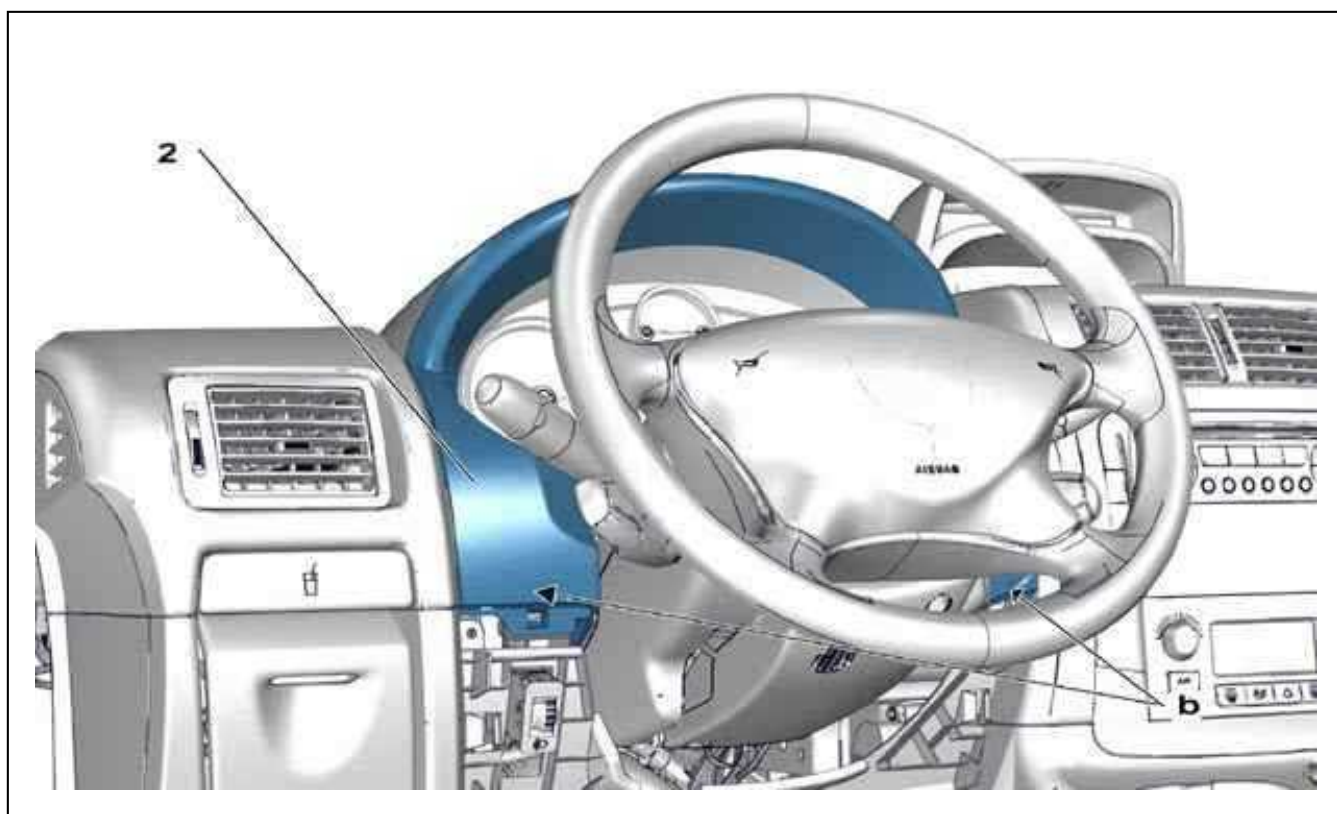


Figure : C5FP18WD

Place the steering column in the low position.
Unclip the instrument panel trim (2) (as "b") ; Using tool [1].
Remove the trim from the instrument panel (2).



Figure : C5FP18XD

Remove bolts (3).

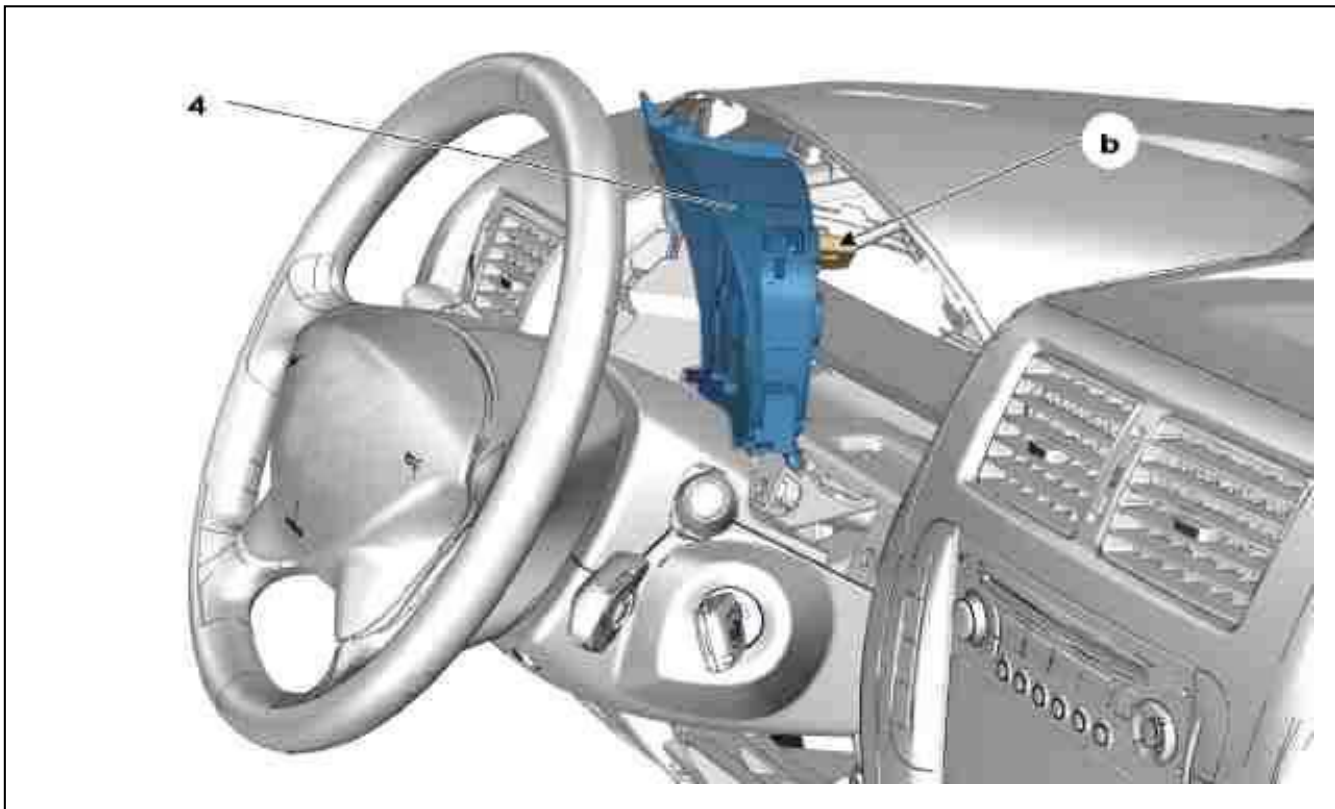


Figure : C5FP18YD

Disengage the instrument panel (4) (partly).
 Disconnect the connector "b".
 Remove the instrument panel (4) .

Proceed in the reverse order to removal.
Check the electrical operation of the equipment.

1. Removing

Remove the rear seat .

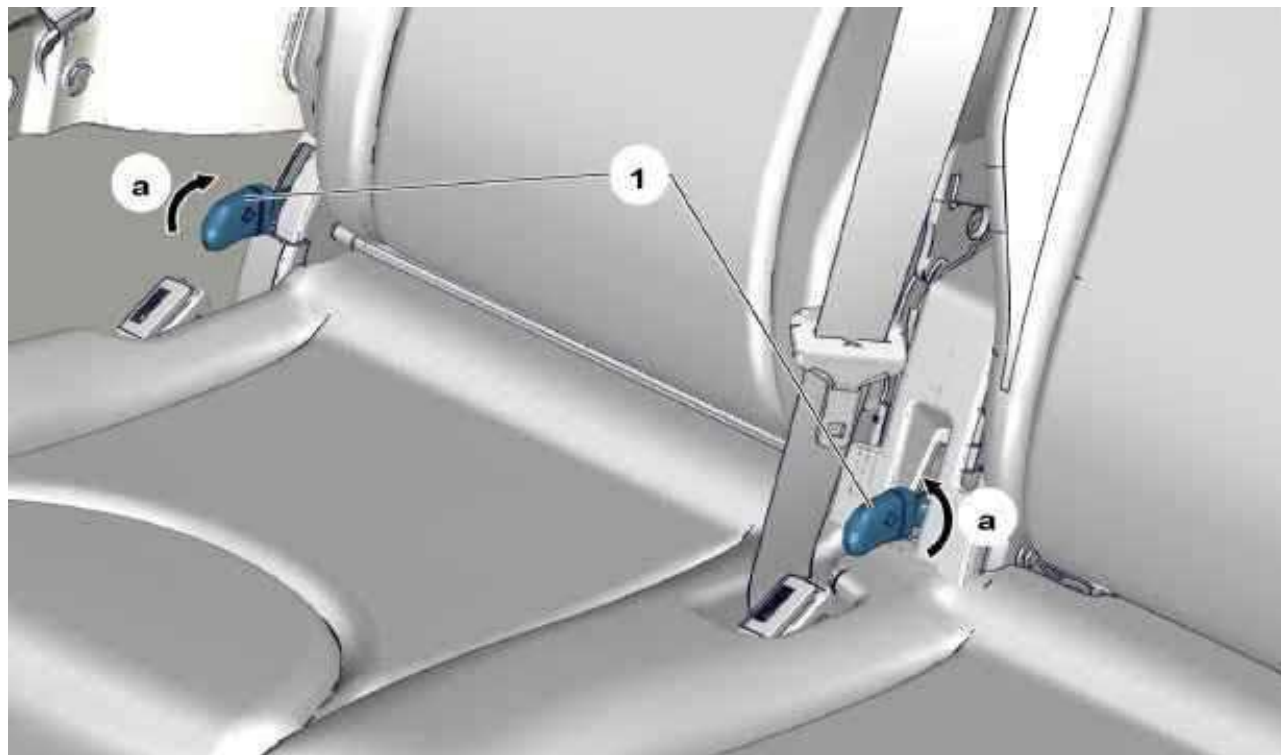


Figure : C5GP0VED

Action the controls (1) to fold the rear benchseat backrests (as "a").

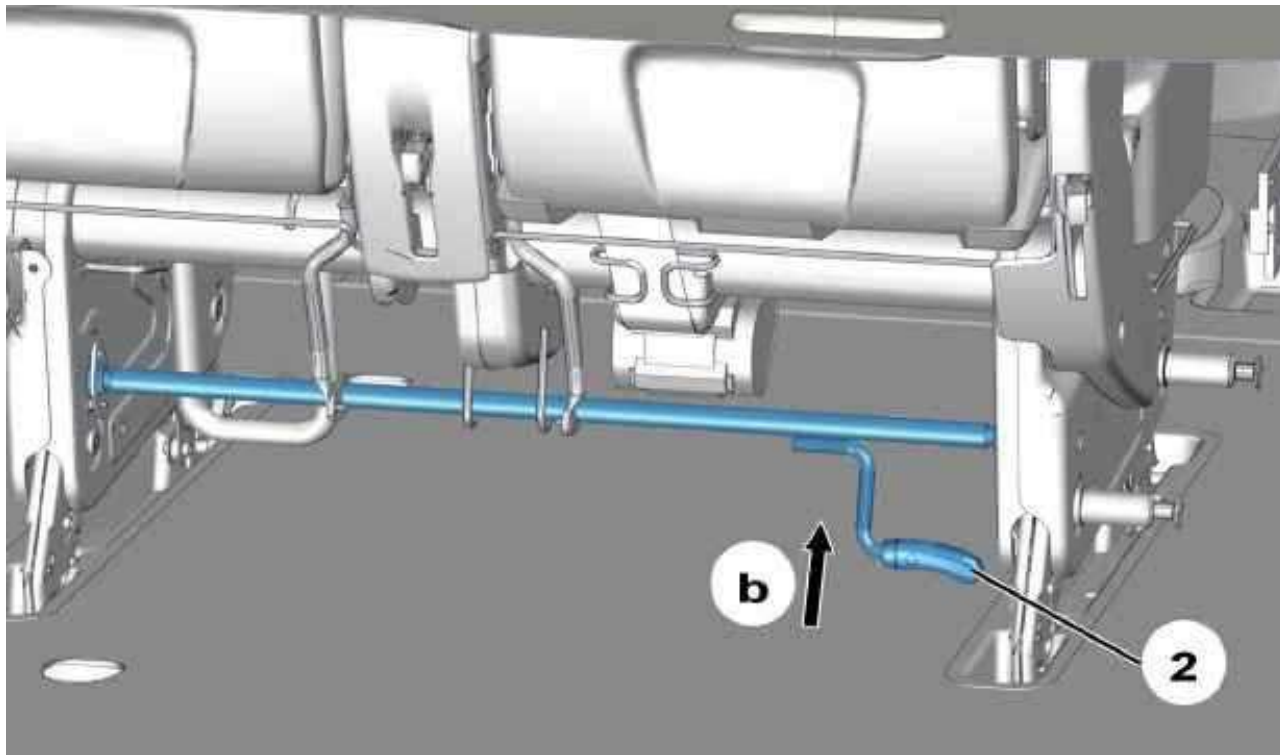


Figure : C5GP0VFD

Action the control (2) to raise the rear benchseat (as "b").

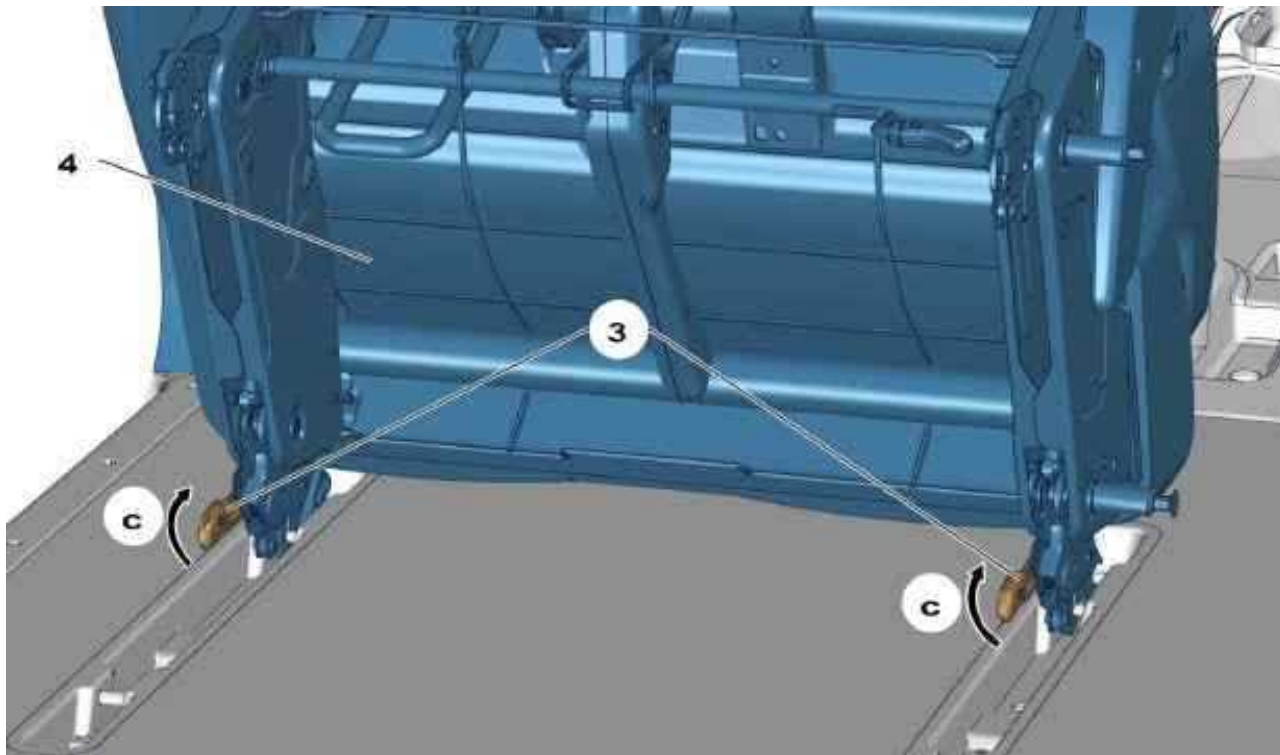


Figure : C5GP0VGD

Unlock the controls (3) (as "c").

ESSENTIAL : Two people are required to perform the following operation.

Remove the rear seat (4)

2. Reaming

Proceed in the reverse order to removal.

REMOVING - REFITTING : FRONT SEAT

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

CAUTION : The primary handbrake cable must be replaced if any damage to it is found during the operation.

1. Removing

Disconnect the ancillaries battery ⓘ .

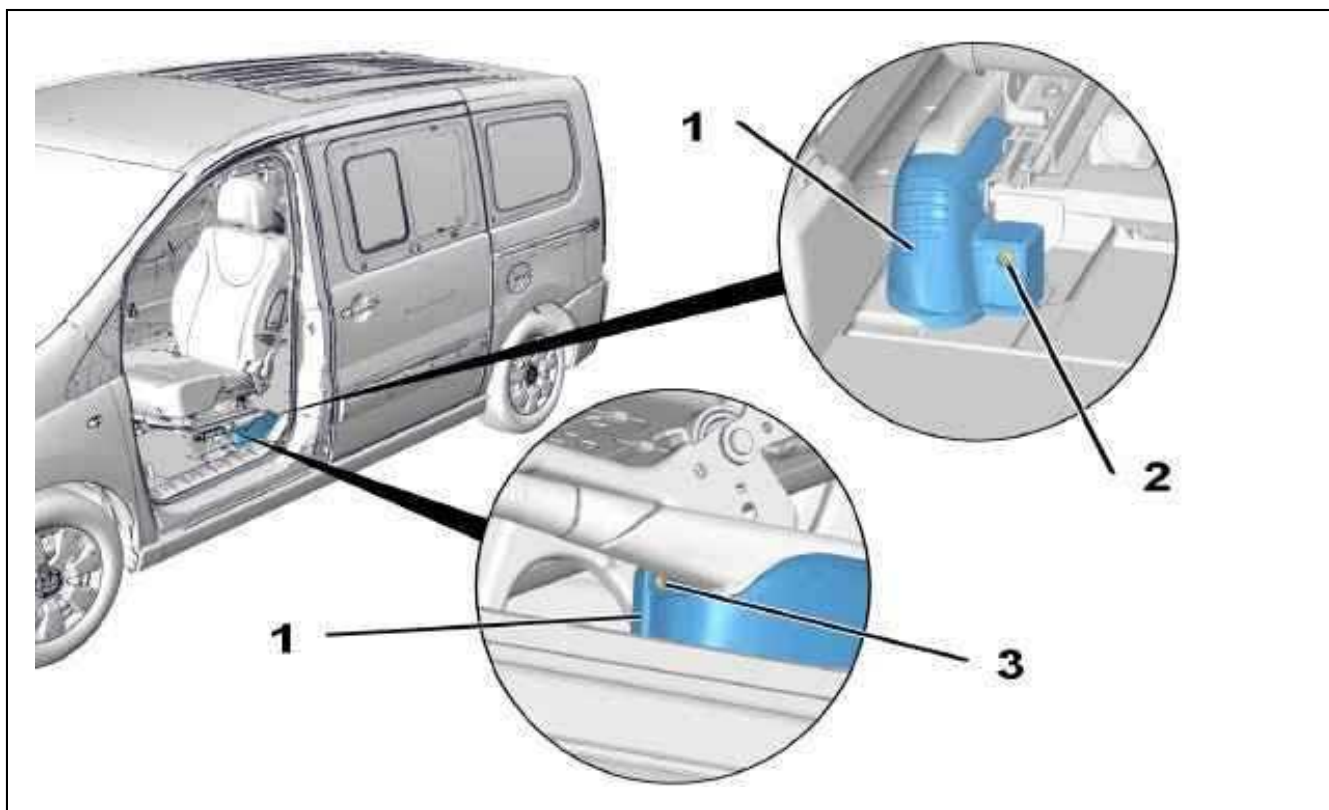


Figure : C4CM0CCD

Remove :

- The bolts (2), (3)
- The handbrake control lever trim (1)

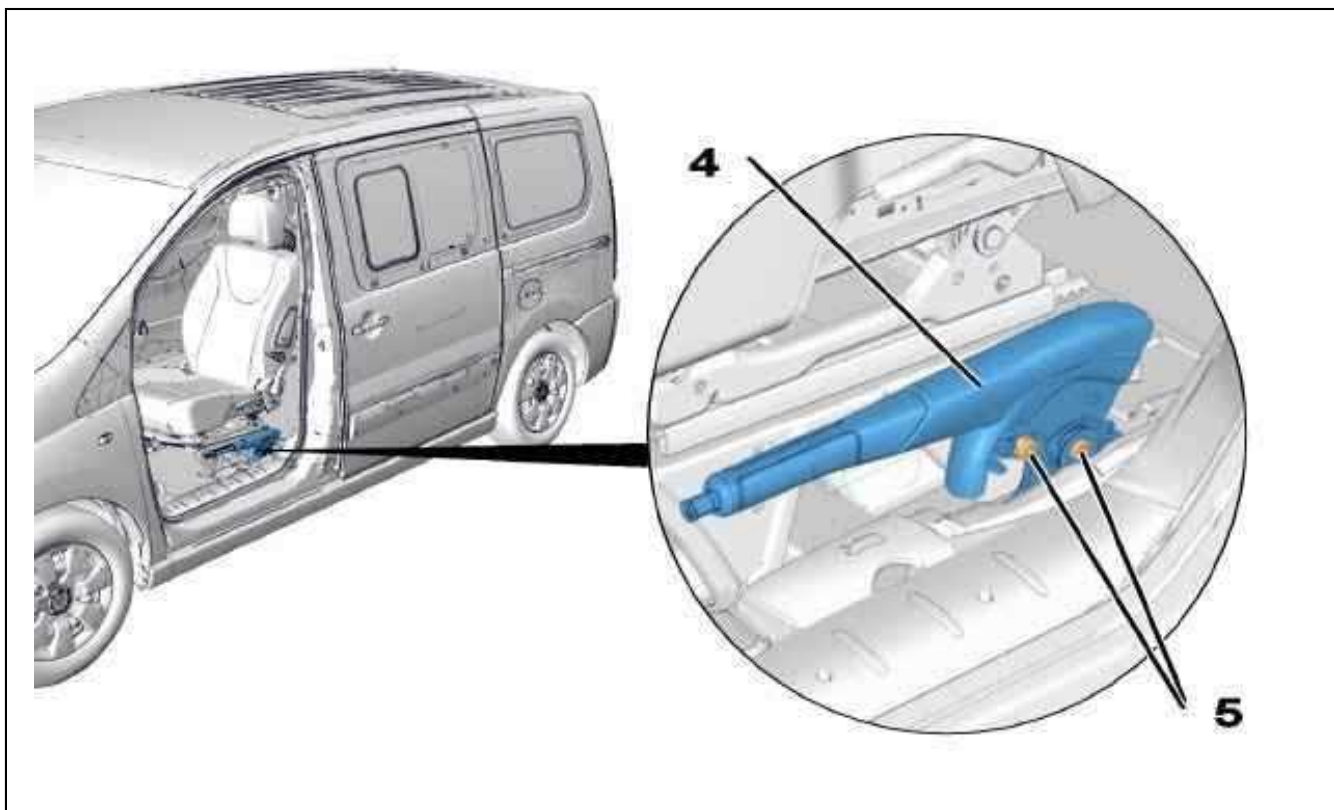


Figure : C4CM0CDD

Remove :

- The primary handbrake cable ⓘ
- The bolts (5)
- The handbrake lever (4)

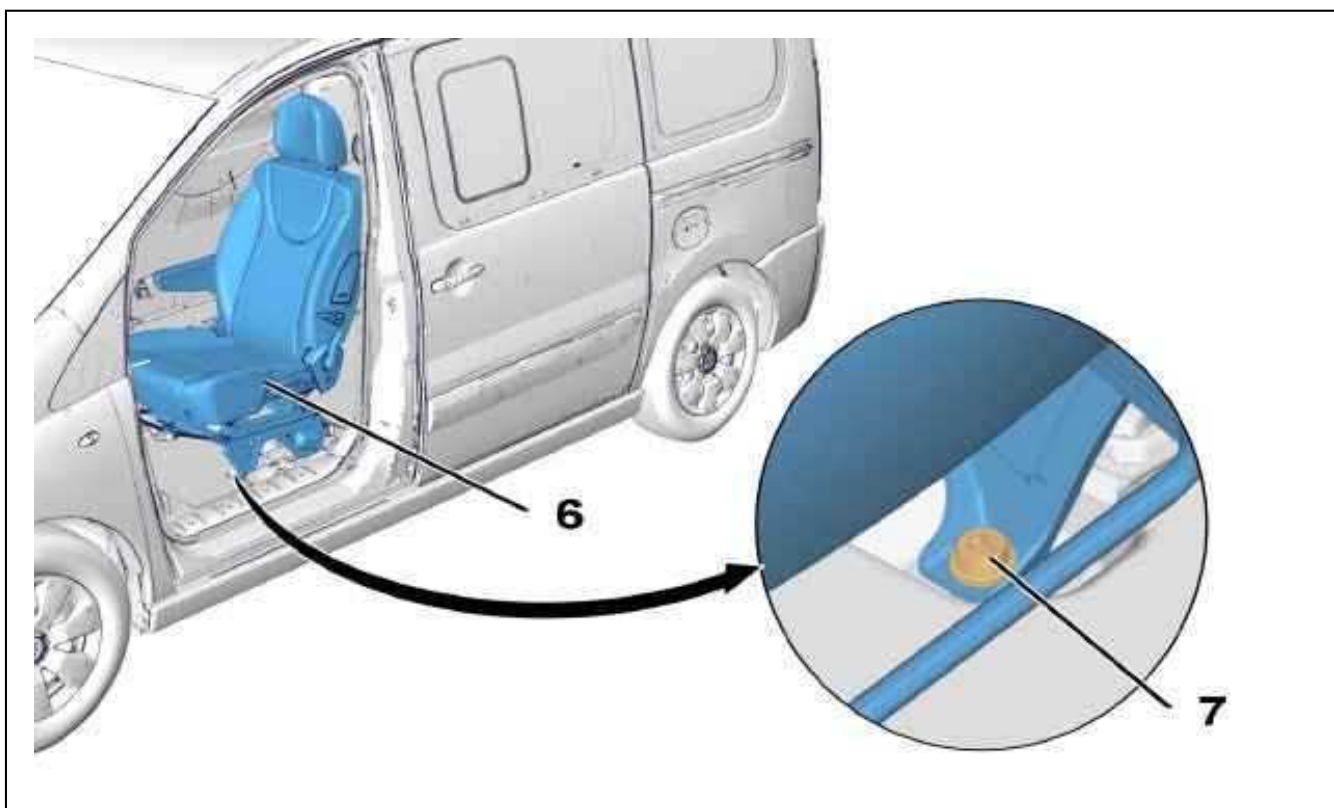


Figure : C4CM0CED

Remove the nut (7) (each side).

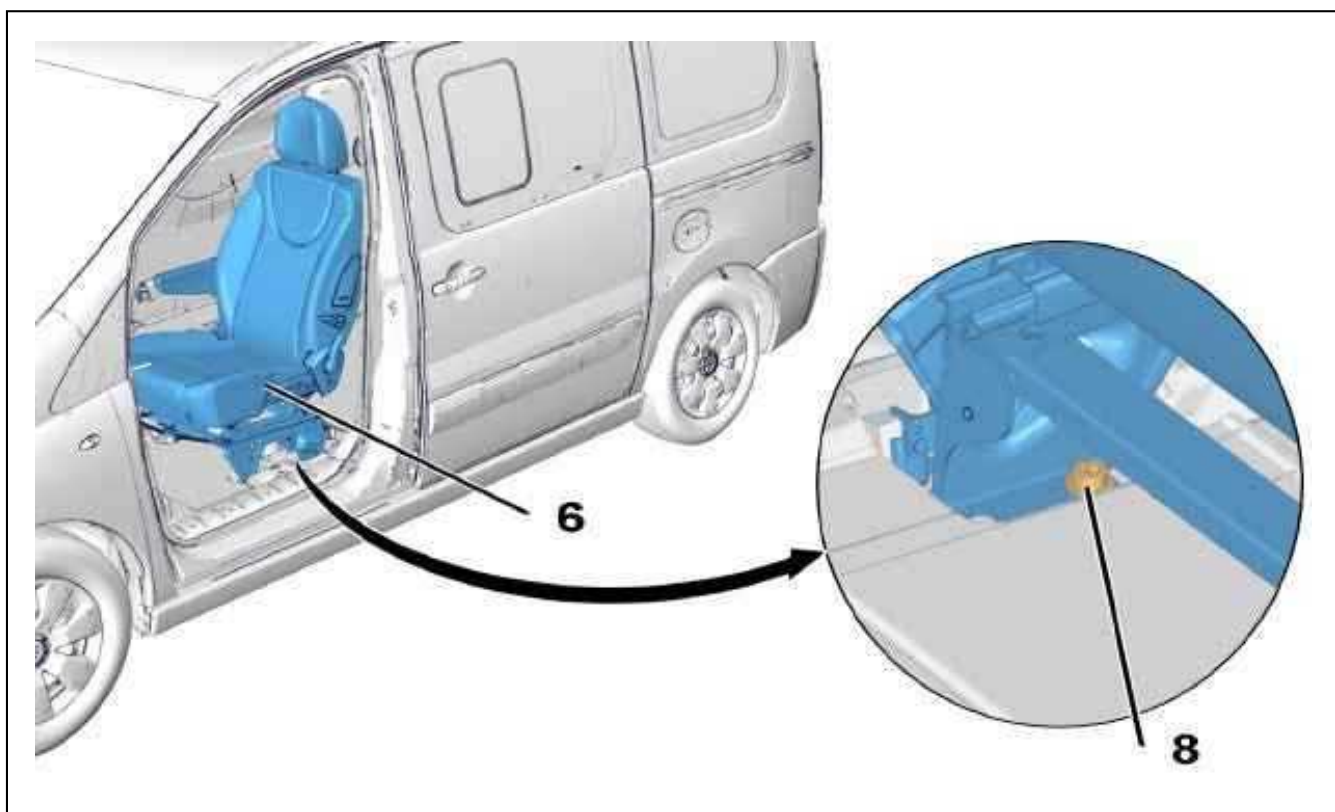


Figure : C4CM0CFD

Remove the nut (8).

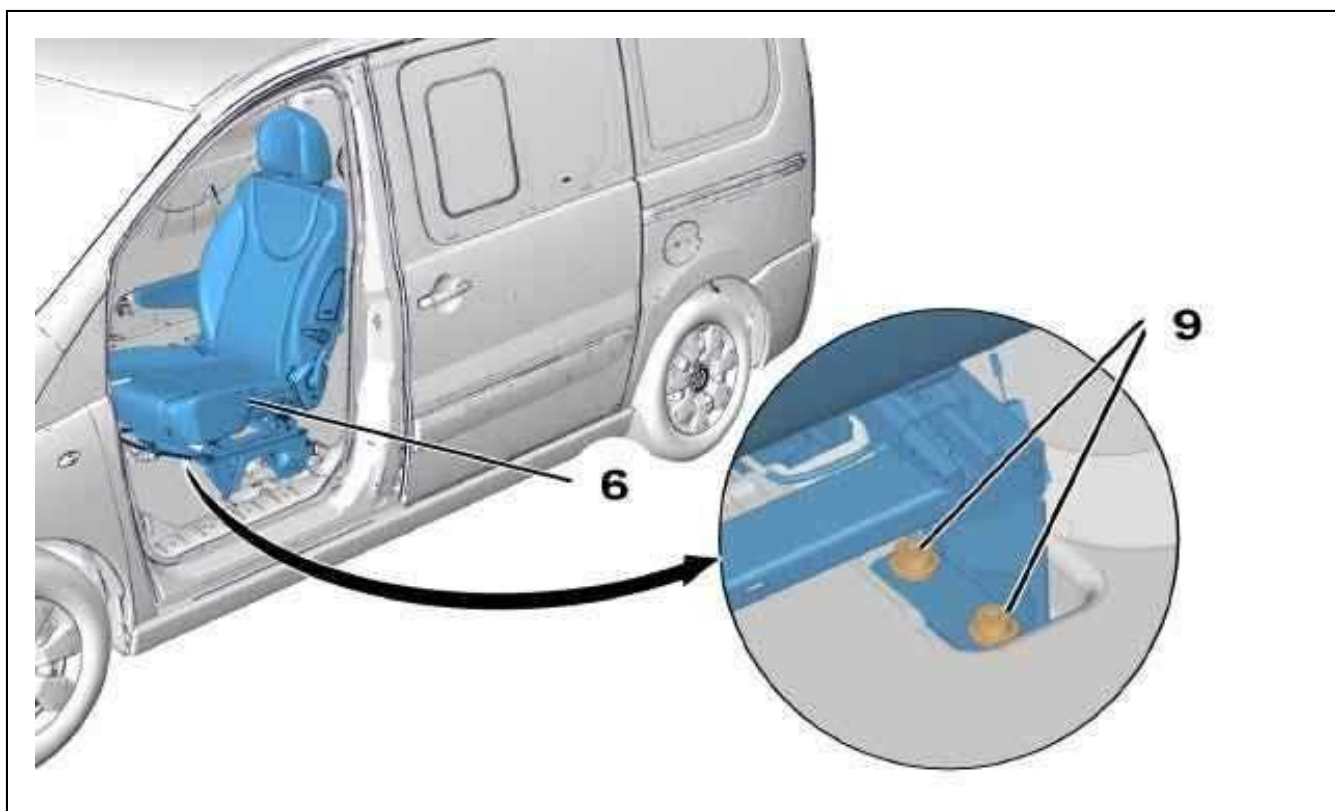


Figure : C4CM0CGD

Remove the nuts (9).

Release the front seat(6).

Disconnect the connectors (According to equipment).

Remove the front seat(6).

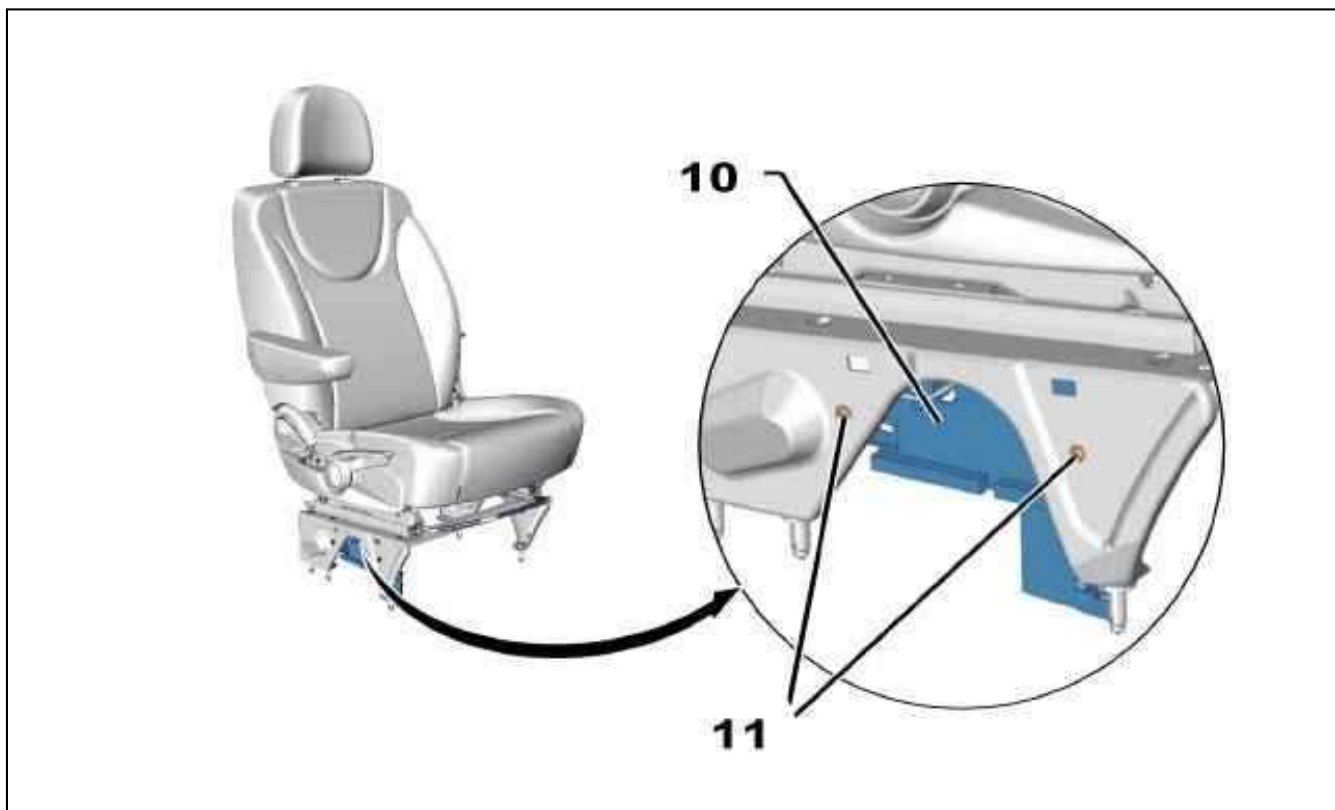


Figure : C5GM01MD

Remove the bolts (11).

Disengage the electrical harnesses and support assembly (10).

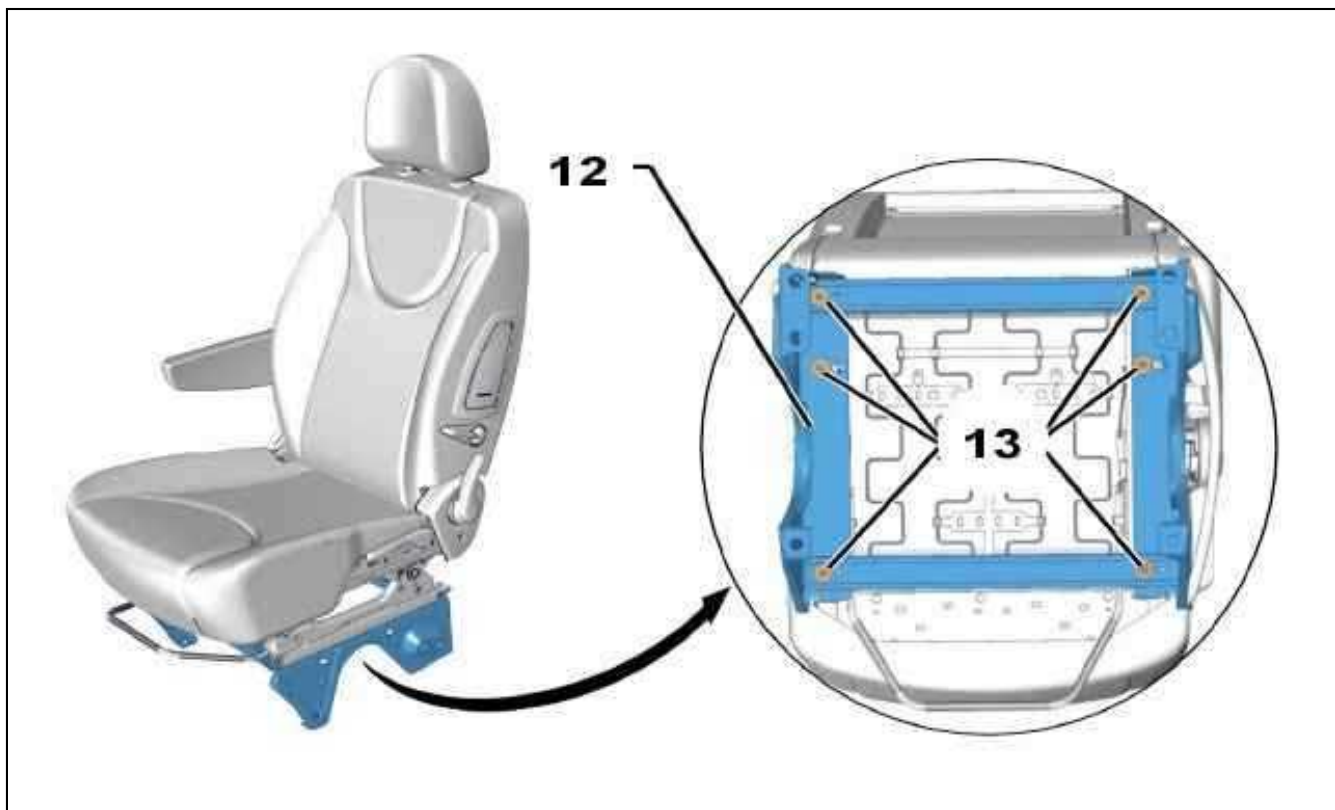


Figure : C5GM01ND

Remove :

- The nuts (13)
- The height adjuster (12)

2. Refitting

CAUTION : Coat the thread of the seat fixing studs with thread lock.

Proceed in the reverse order to removal.

Tighten :

- The bolts (2), (3) to 0,24 da.Nm
- The bolts (5) to 4,2 da.Nm
- The nuts (7), (8), (9) to 4 m.daN
- The nuts (13) to 2,5 m.daN

Reconnect the ancillaries battery.

Check all the equipment works.

REMOVING - REFITTING : FRONT BENCHSEAT

1. Removing

After switching off the ignition, wait 3 minutes before disconnecting the battery.
Disconnect the battery.

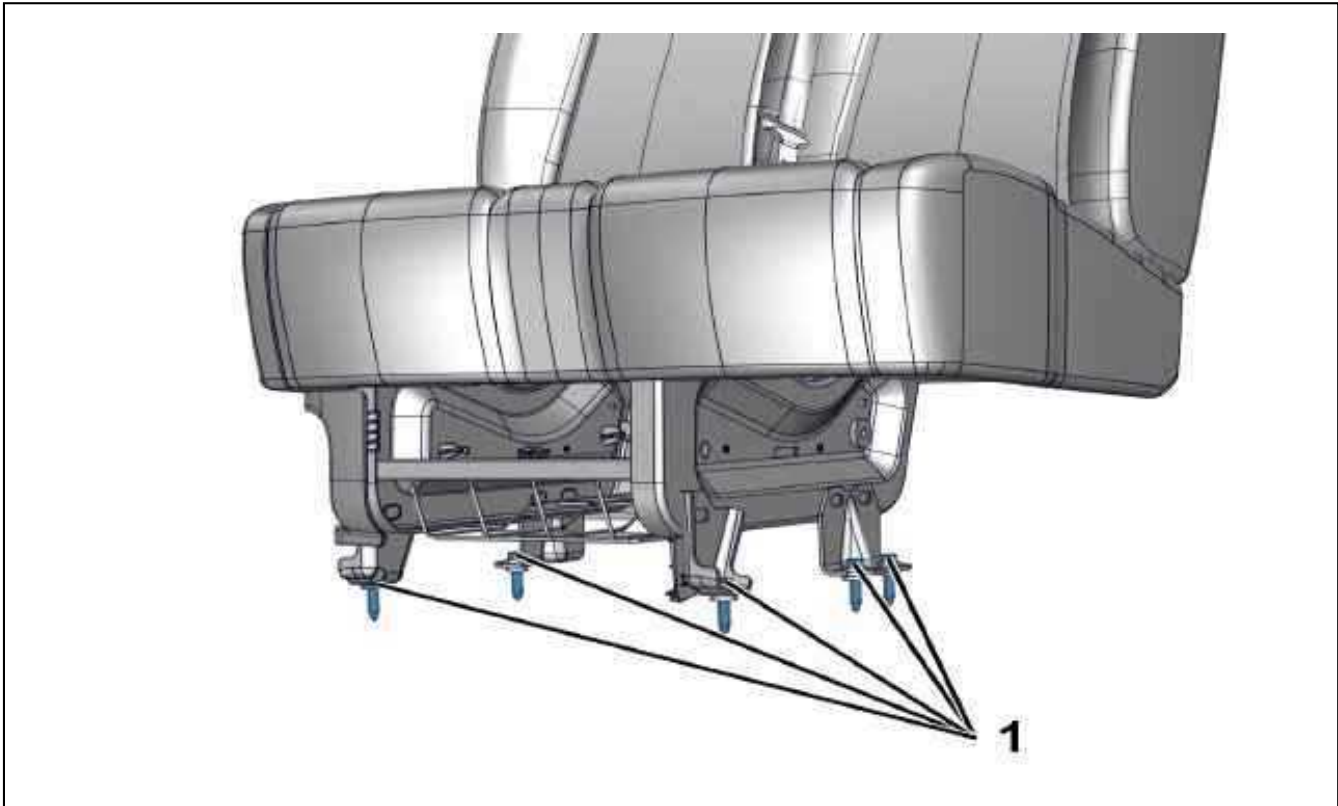


Figure : C5GP0WGD

Remove the nuts (1).

Disengage the front benchseat.

Disconnect the connectors (according to equipment) :

- Black 2-way
- Blue 2-way
- Green 3-way



Figure : C5GP0WHD

Remove the front benchseat (2).

2. Refitting

ESSENTIAL : Coat the thread of the front seat studs with thread lock.

Proceed in the reverse order to removal.

Tighten the nuts (1) to $4 \pm 0,6$ daN.m.

Reconnect the battery.

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

Check all the equipment works.

REMOVING - REFITTING : FRONT SEAT SLIDES

ESSENTIAL : Observe the safety and cleanliness recommendations.

1. Preliminary operation

Perform the following operations :

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

2. Removing

Remove the front seat .

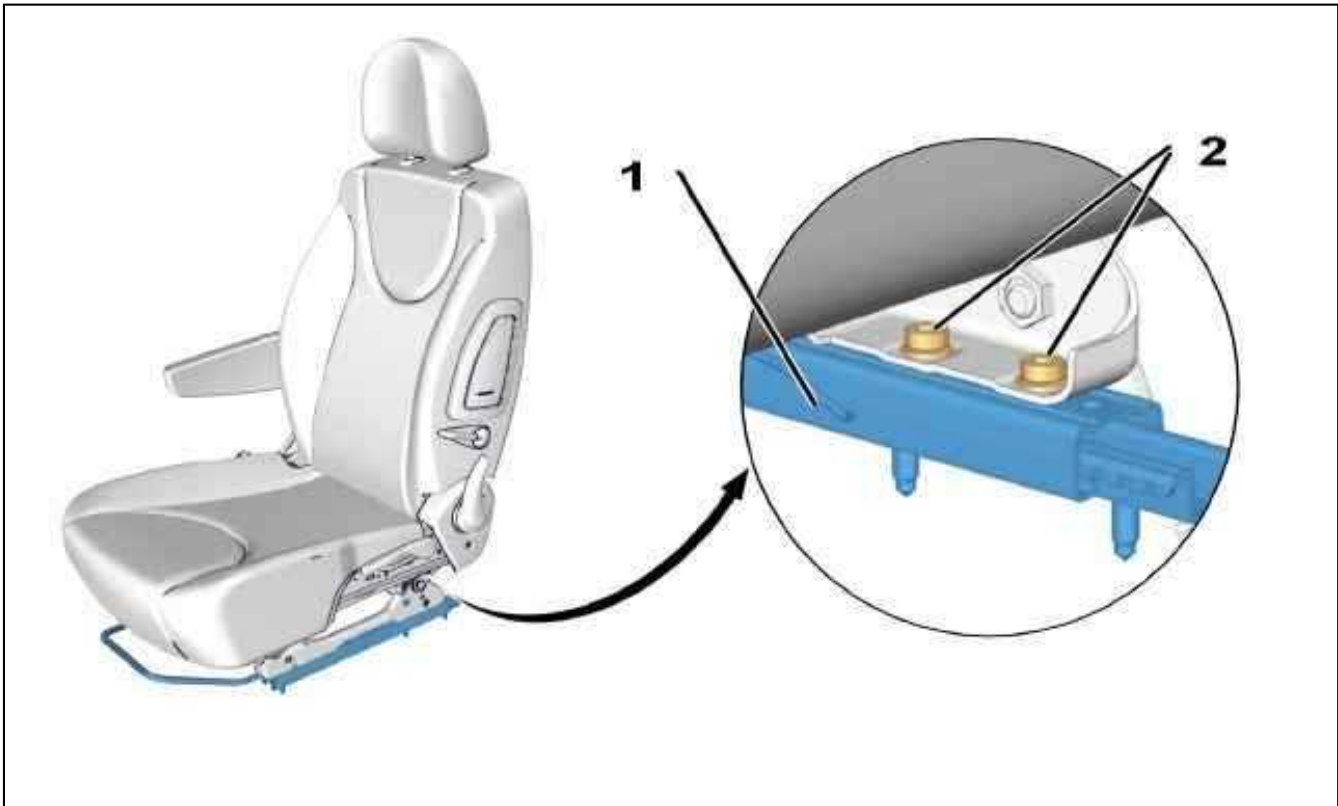


Figure : C5GM018D

Remove the bolts (2)(each side).

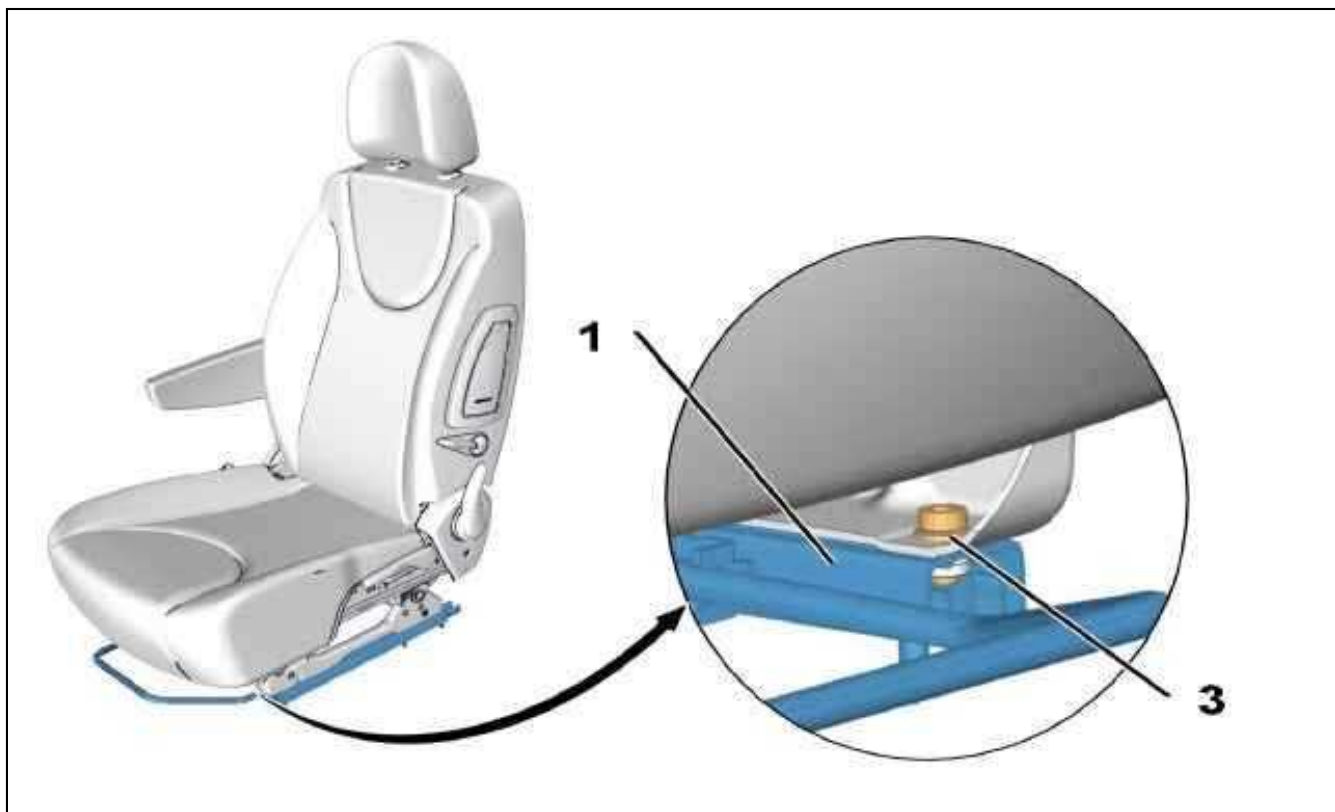


Figure : C5GM019D

Remove :

- The (3) bolt (each side)
- The assembly (/) : Seat slides (1)

3. Refitting

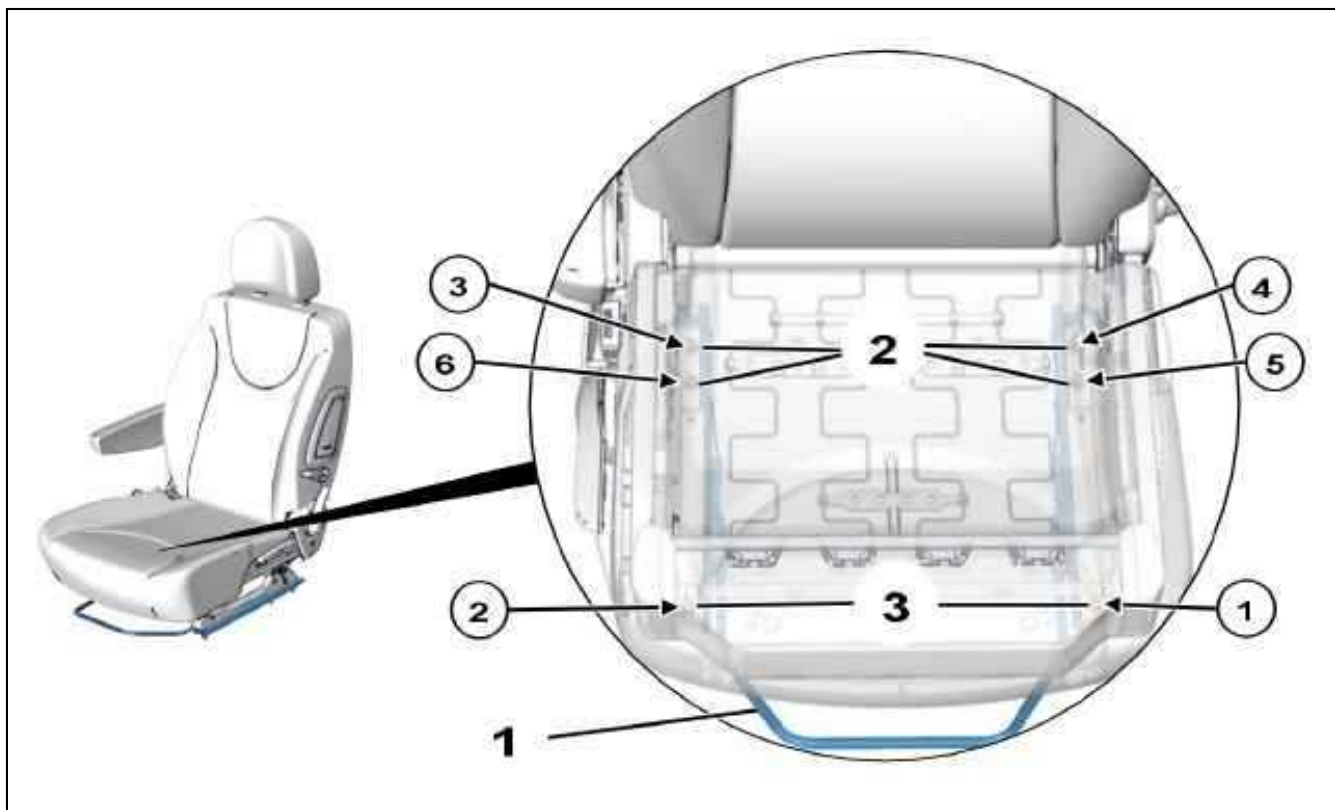


Figure : C5GM01AD

Refit :

- The assembly (/):Seat glides (1)
- The bolts (2), (3)

ESSENTIAL : Respect the tightening sequence indicated.

Tighten the bolts (2), (3) to $3,5 \pm 0,8$ daN.m (order from 1 to 6).

Reconnect the battery.

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

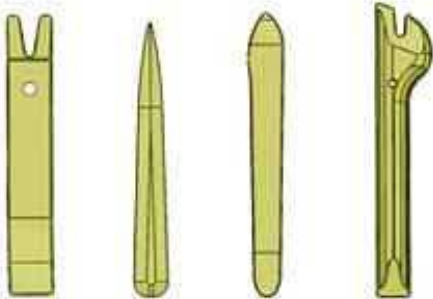
Proceed in the reverse order to removal.

Check all the equipment works.

REMOVING - REFITTING : SLIDE PADS FOR THE REAR BENCH SEAT (ROW 3)

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

1. Tooling

tool	Reference	Designation
[1350-ZZ]  Figure : E5AG02MT	[1350-ZZ]	Stripping tools

2. Removing

Slide the rear bench seat as far forward as possible (Row 2).

2.1. Bench seat rear slide pad

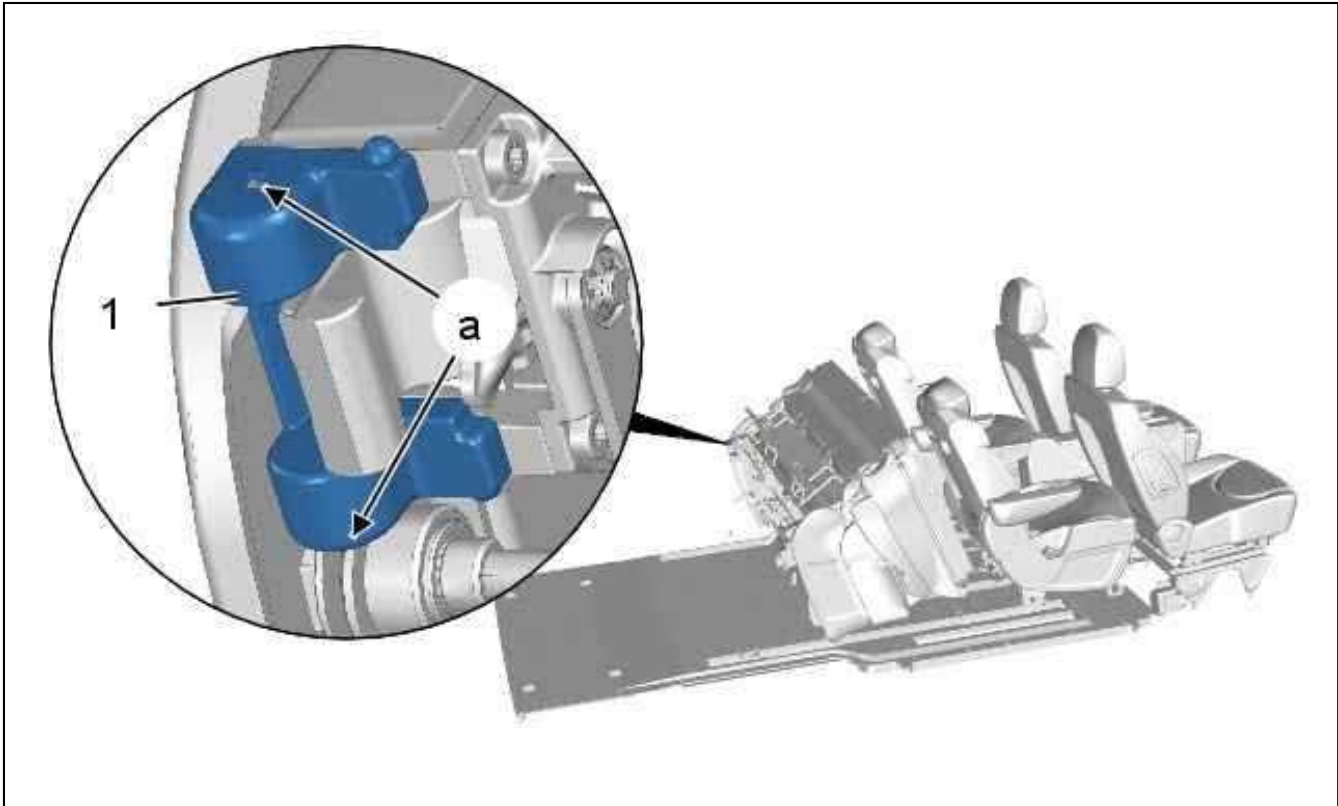


Figure : C5GG0DMD

Tilt the rear benchseat forwards (row 3).

Unclip : The slide pad (1) (as "a") ; Using tool [1350-ZZ].

Remove the pad (1).

N.B. : On each removal : Replace the plate.

2.2. Bench seat front slide pad

Remove the rear seat ⓘ (Row 3).

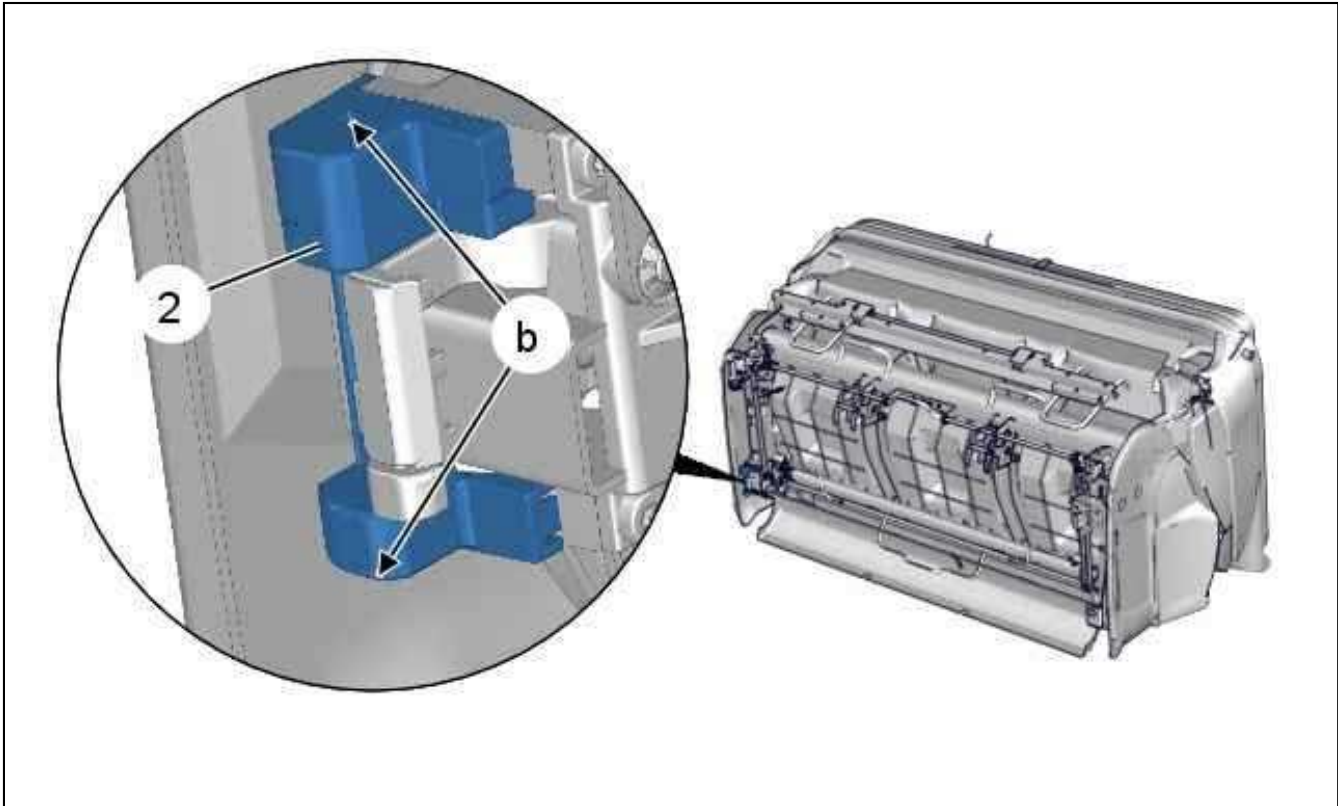


Figure : C5GG0DND

Unclip : The slide pad (2) (as "b") ; Using tool [1350-ZZ].

Remove the pad (2).

N.B. : On each removal Always replace the bench seat slide pad.

3. Refitting

3.1. Bench seat front slide pad

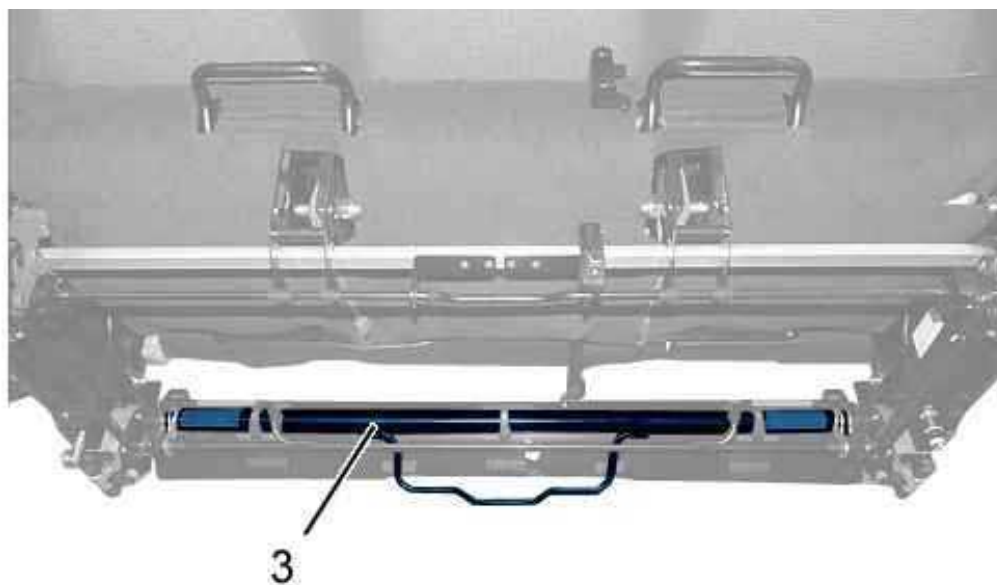


Figure : C5GG0DOD

Check that the bar (3) is in the unlocked position.

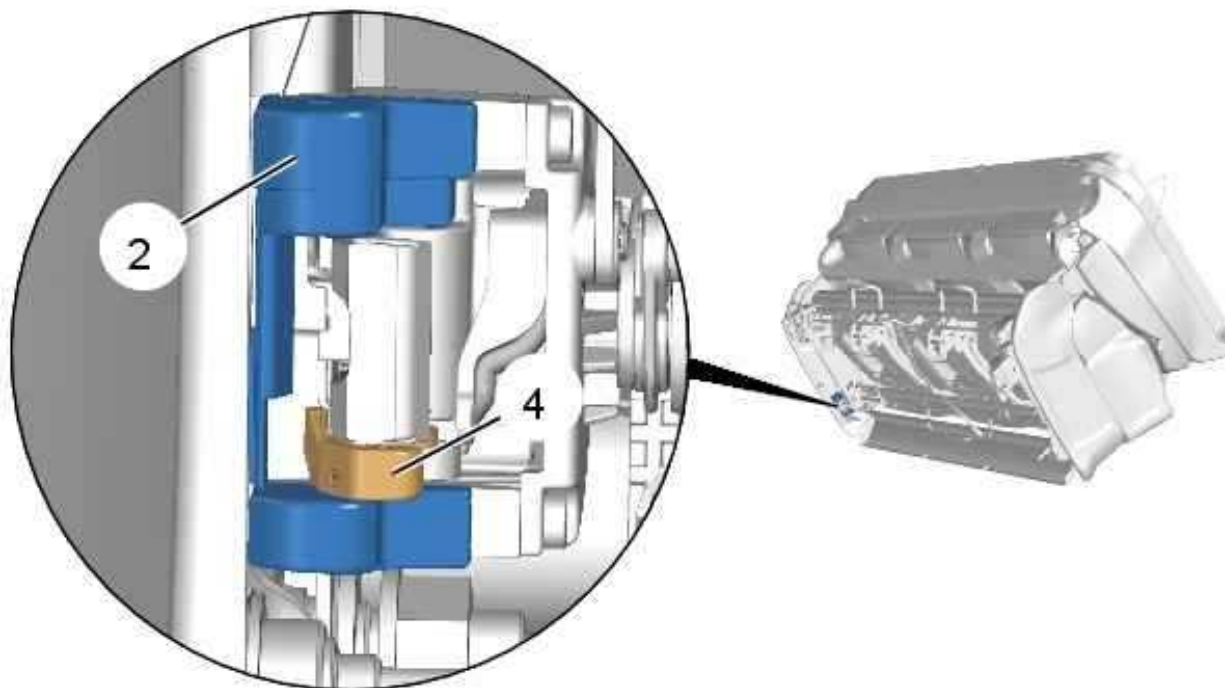


Figure : C5GG0DPD

Refit : The slide pad (2) ; Using a mallet.

N.B. : Check that the catch (4) is not underneath the slide pad (2).

Refit the rear bench seat ⓘ (Row 3).

Check the sliding of the rear bench seat.

3.2. Bench seat rear slide pad

Refit : The slide pad (1) ; Using a mallet.

Proceed in the reverse order to removal.

Check the sliding of the rear bench seat.

REMOVING - REFITTING : REAR BENCH SEAT (CREW CAB)

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

1. Preliminary operations

Disconnect the battery ⓘ .

Remove :

- The rear bench seat front trim ⓘ
- The rear bench seat right-hand trim ⓘ

2. Removing

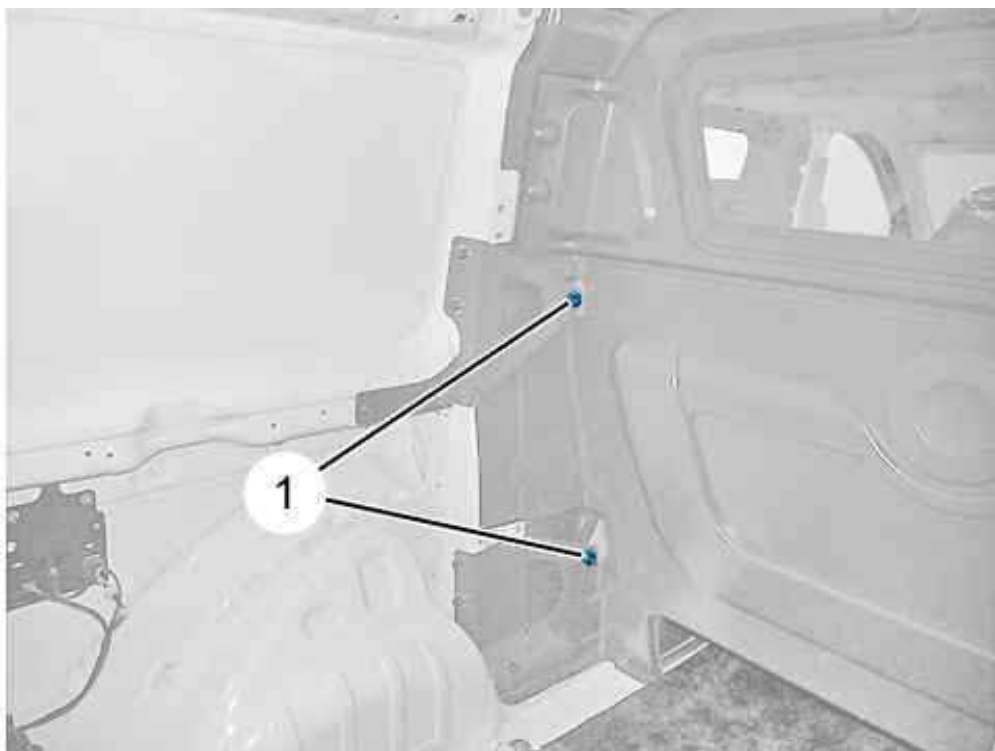


Figure : C5GG16LD

Remove the bolts (1) (Symmetrical operation).



Figure : C5GG16MD

For the following operation, 2 operators are necessary.

Remove : The rear bench seat (2).

3. Refitting

Refit the rear bench seat (2).

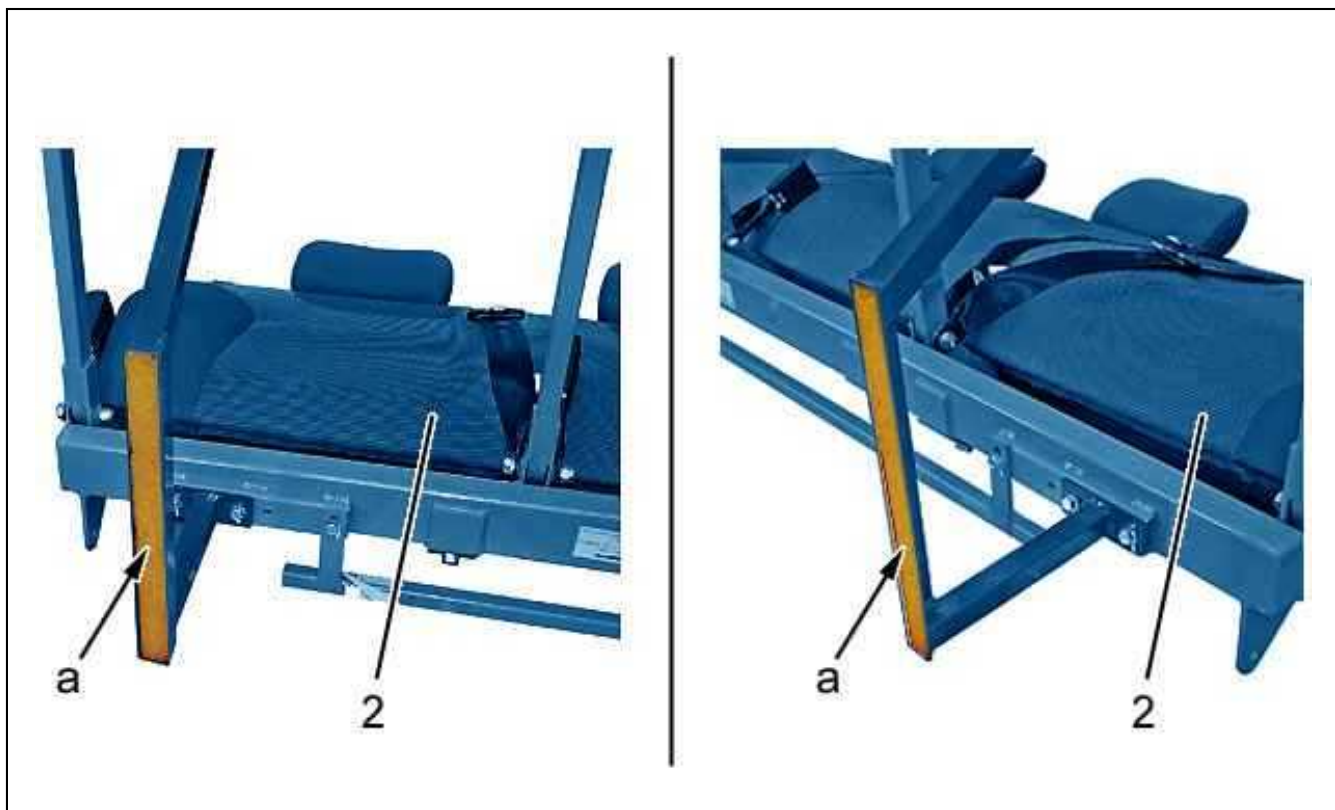


Figure : C5GG16ND

If replacing the rear bench seat ; Apply adhesive felt to the rear bench seat (2) frame (at "a").

Proceed in the reverse order to removal.

Reconnect the battery.

Check all the equipment works.

STRIPPING - RE-ASSEMBLING : FRONT SEAT

1. Recommended tools

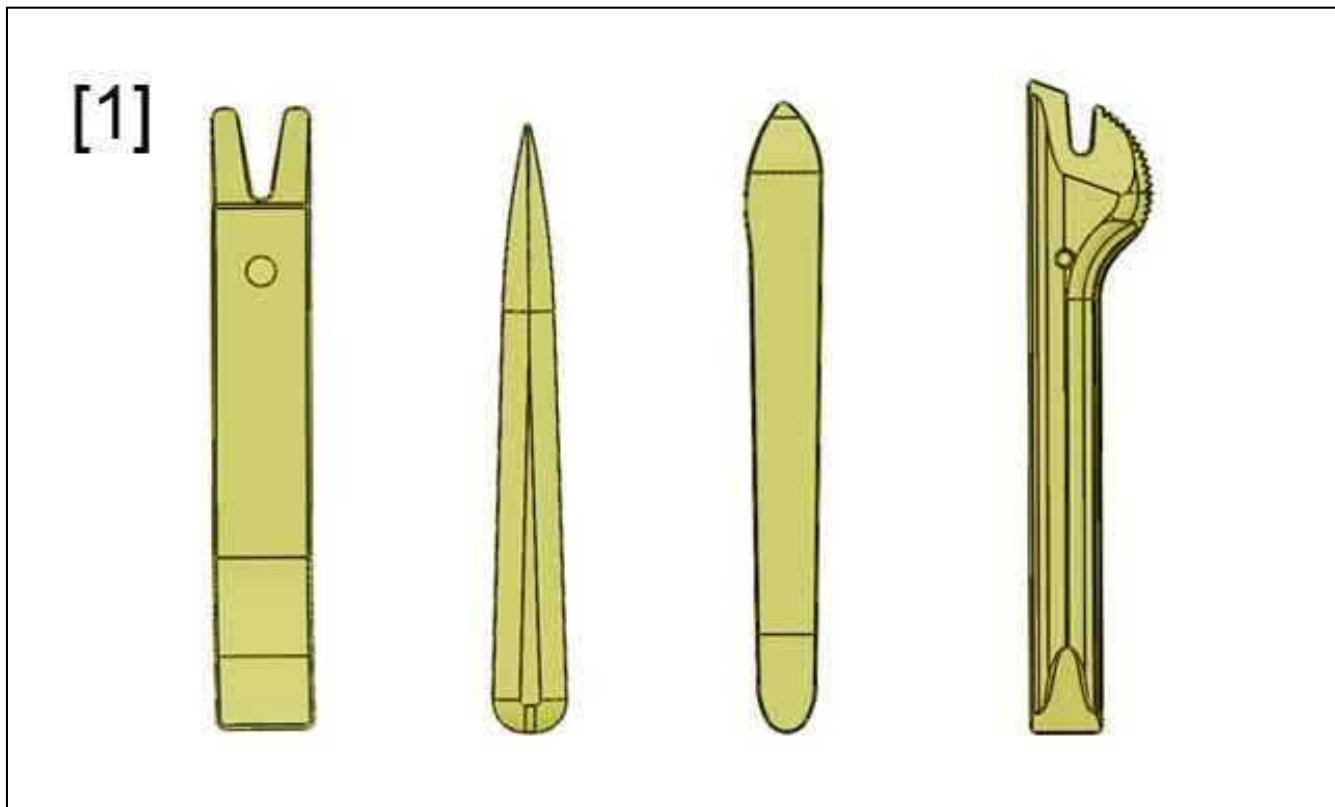


Figure : E5AP30WD

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

2. Removing

Perform the following operations :

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

Remove the front seat .

2.1. Covered backrest cushion

Remove the head restraint .

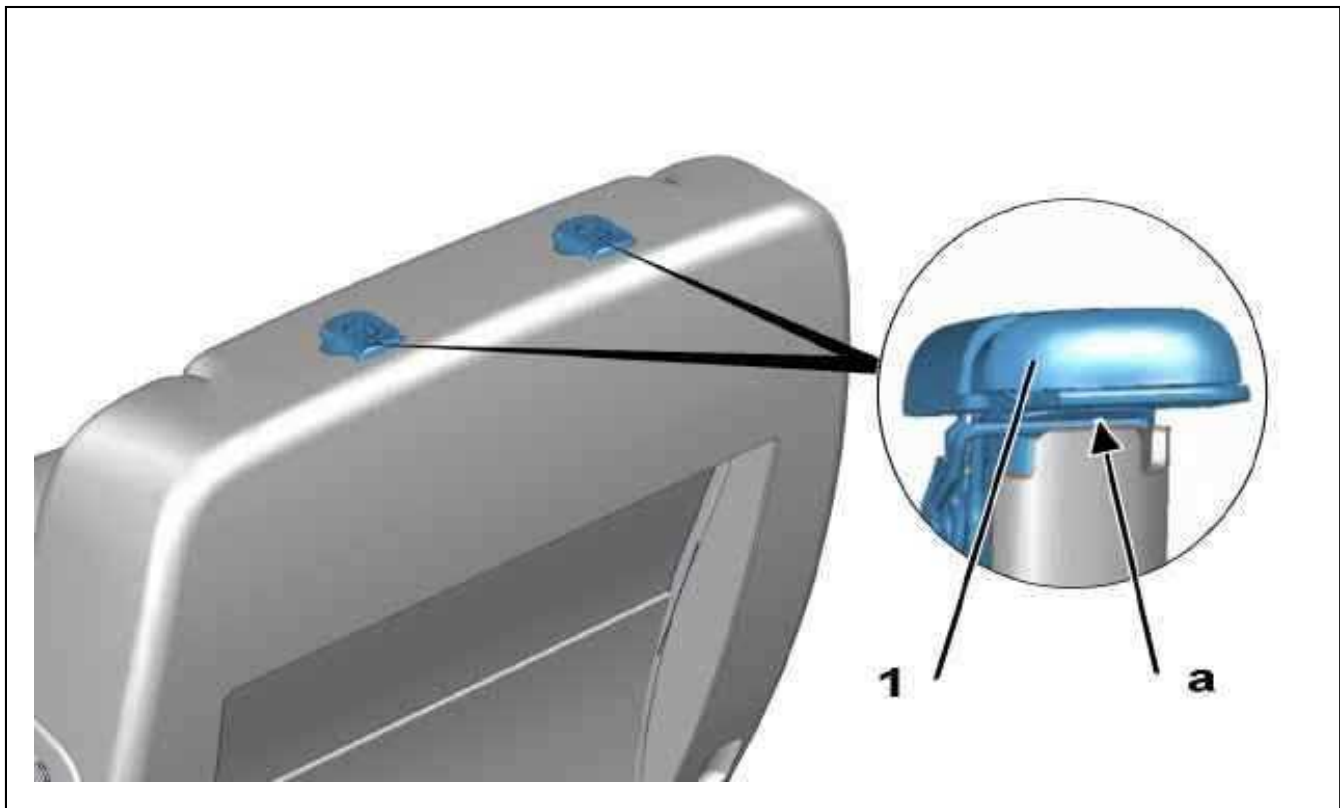


Figure : C5GP0WWD

Unclip the head restraint guide (1) (as "a") ; Using a small, flat, thin screwdriver.

Remove the head restraint guide (1).

Proceed in the same way for the other head restraint guide .

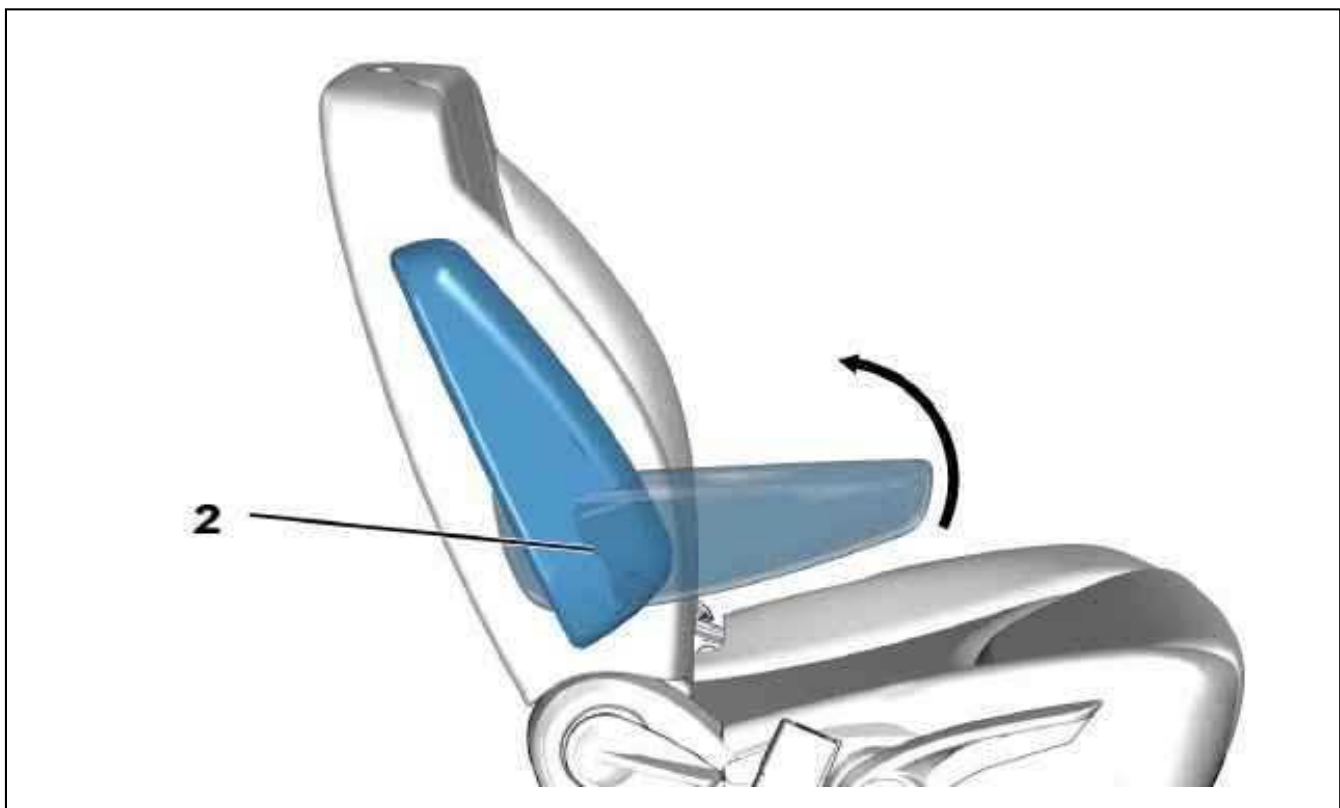


Figure : C5GP0WXD

Tilt the armrest (2) to the mechanical stop position (according to equipment).

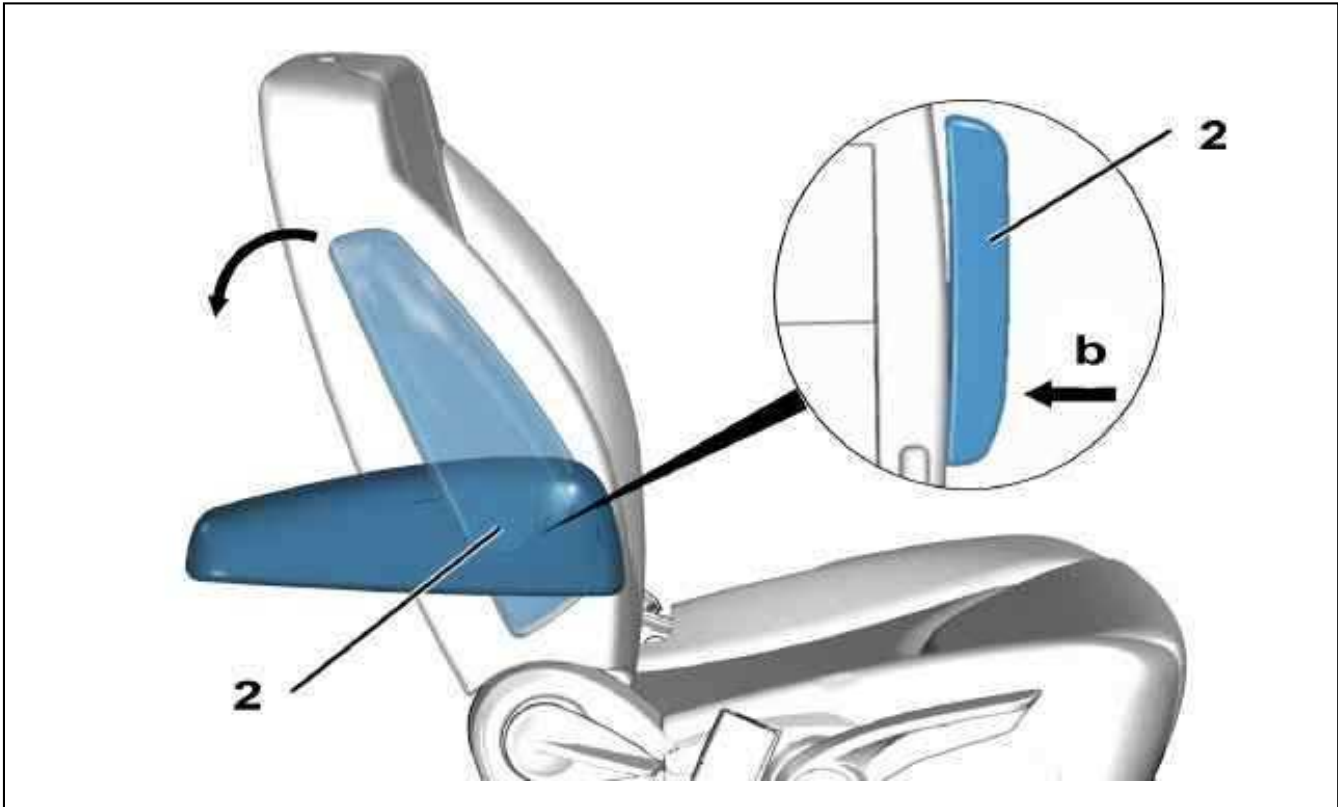


Figure : C5GP0WYD

Tilt the armrest (2) by pressing on the shaft of the armrest (at "b") in the mechanical stop position .

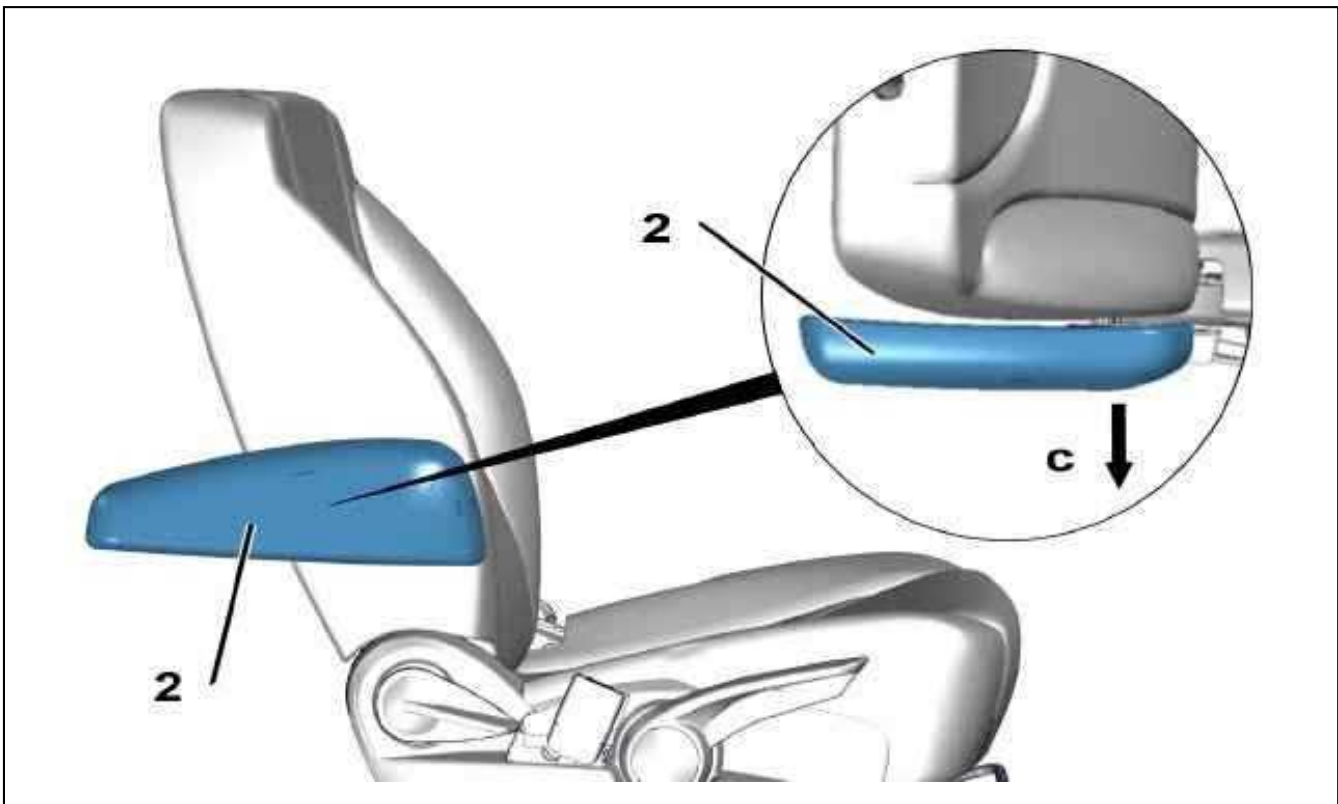


Figure : C5GP0WZD

Detach the armrest (2) (as "c").
Remove the armrest (2).

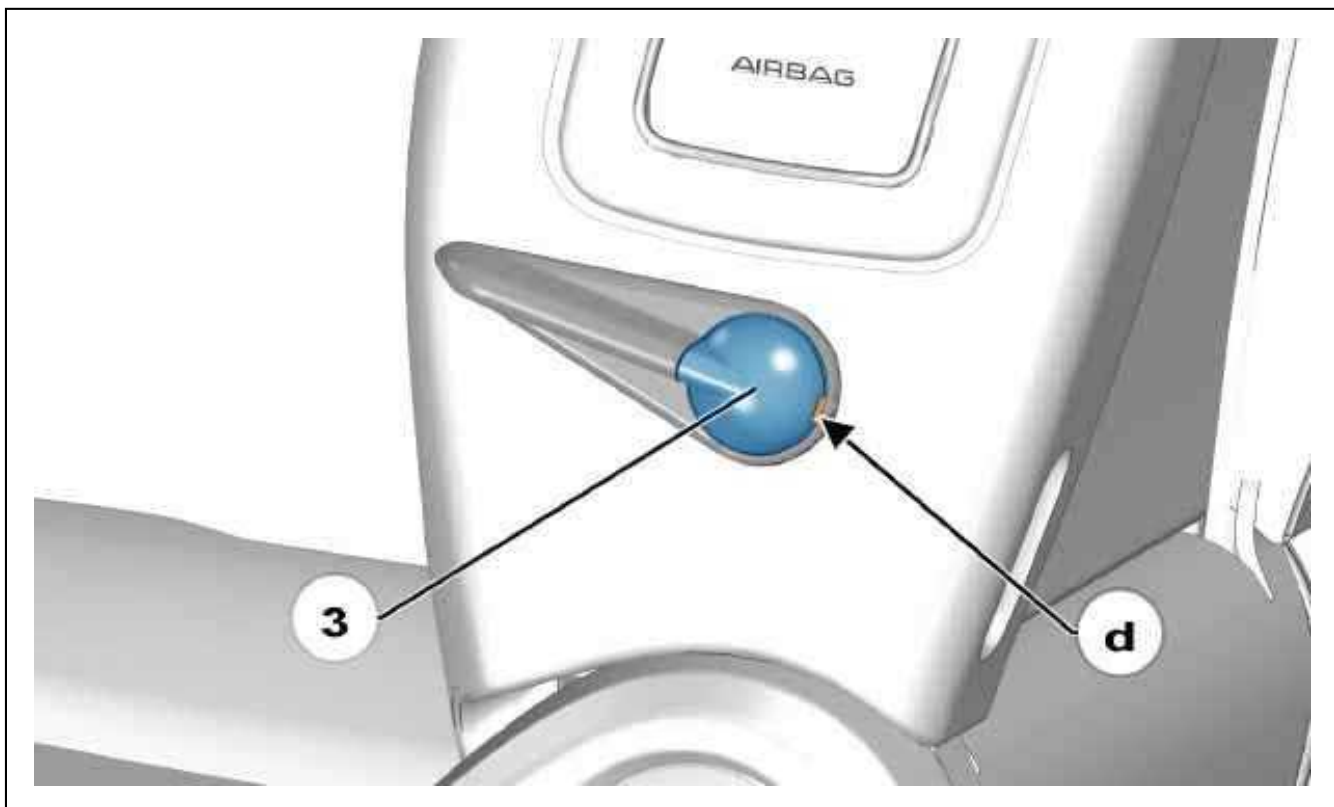


Figure : C5GP0X0D

Unclip the cover (3) (as "d") ; Using tool [1].
Remove the cover (3).

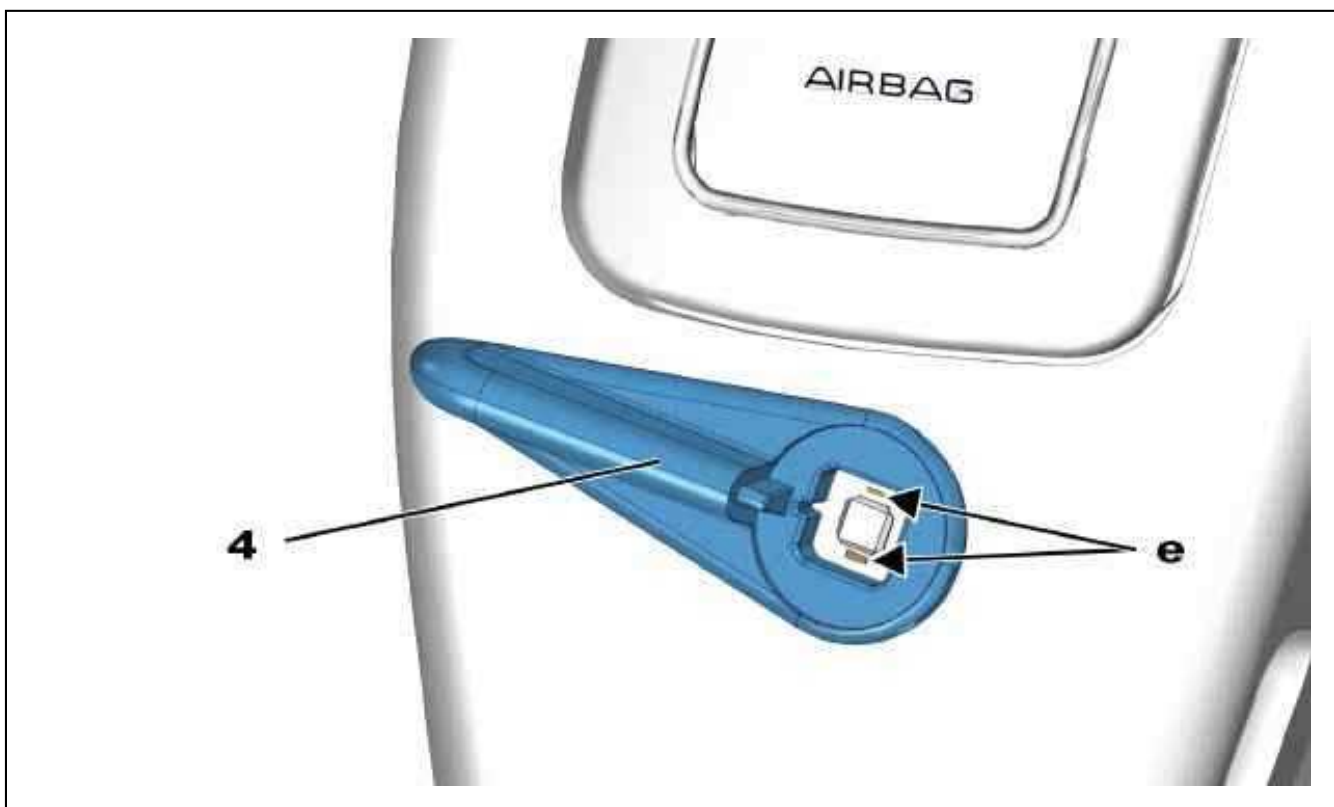


Figure : C5GP0X1D

Detach the lumbar adjustment control (4) by moving aside the locking clips (as "e") ; Using a small flat screwdriver.
Remove the lumbar adjustment control (4).

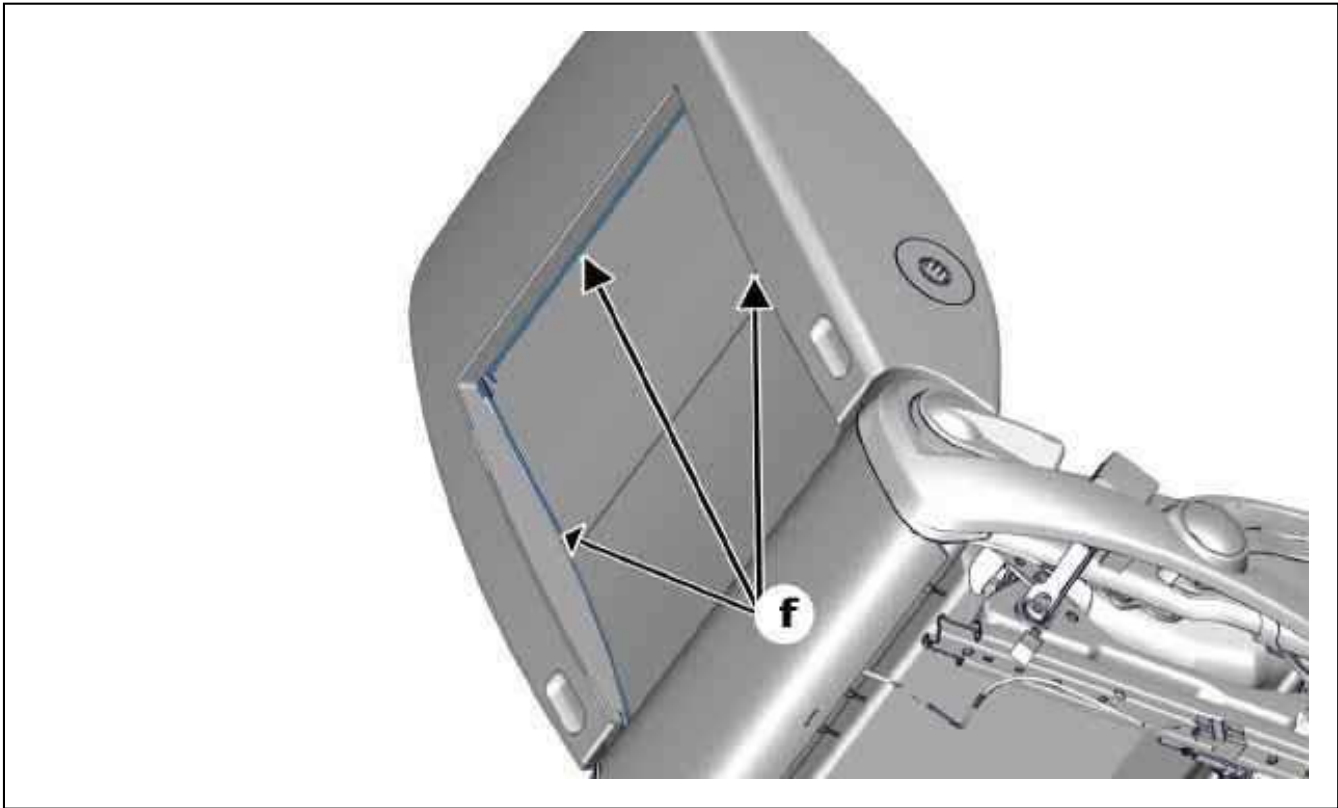


Figure : C5GP0X2D

Detach the pieces of elastic from the base of the seat rear casing .
Unclip the backrest cushion fastener from the seat frame (as "f").

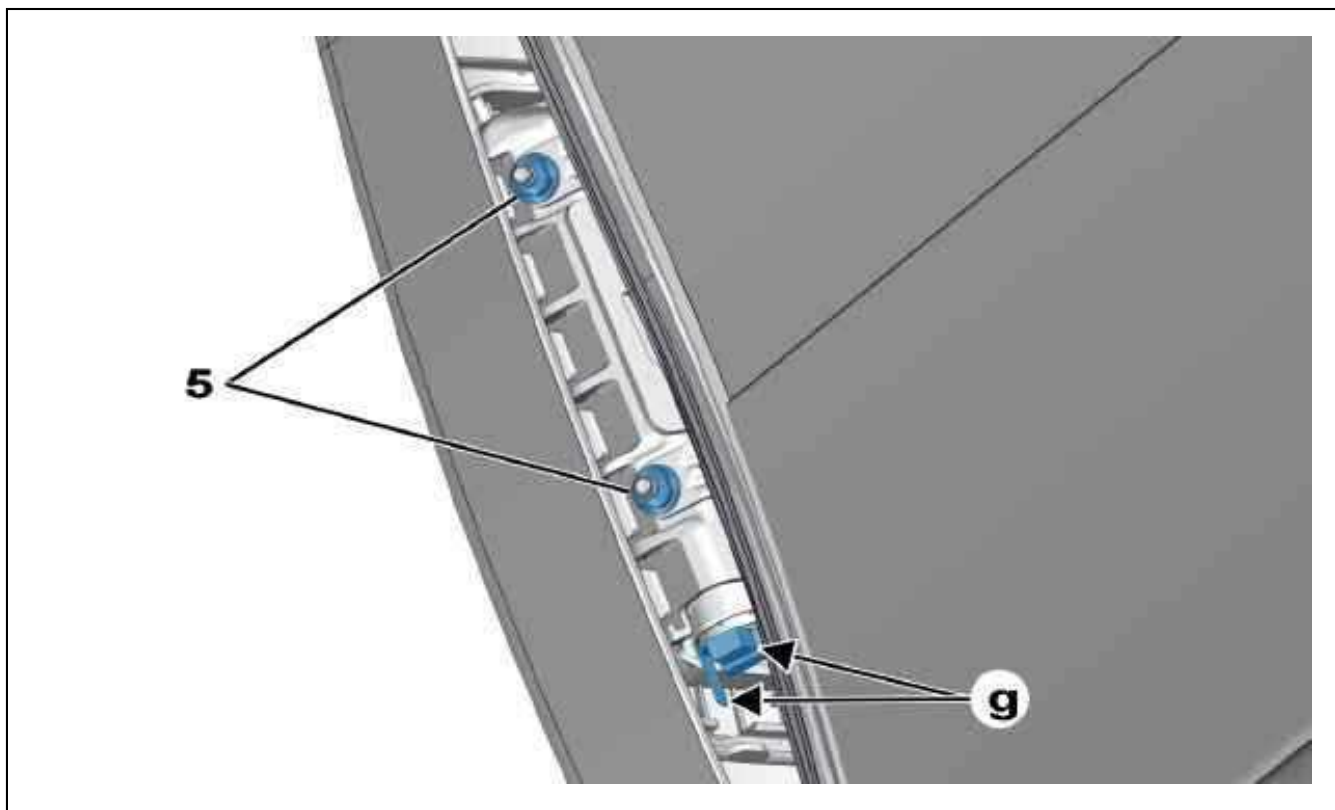


Figure : C5GP0X3D

Remove the nuts (5).
Disconnect the connectors (as "g").

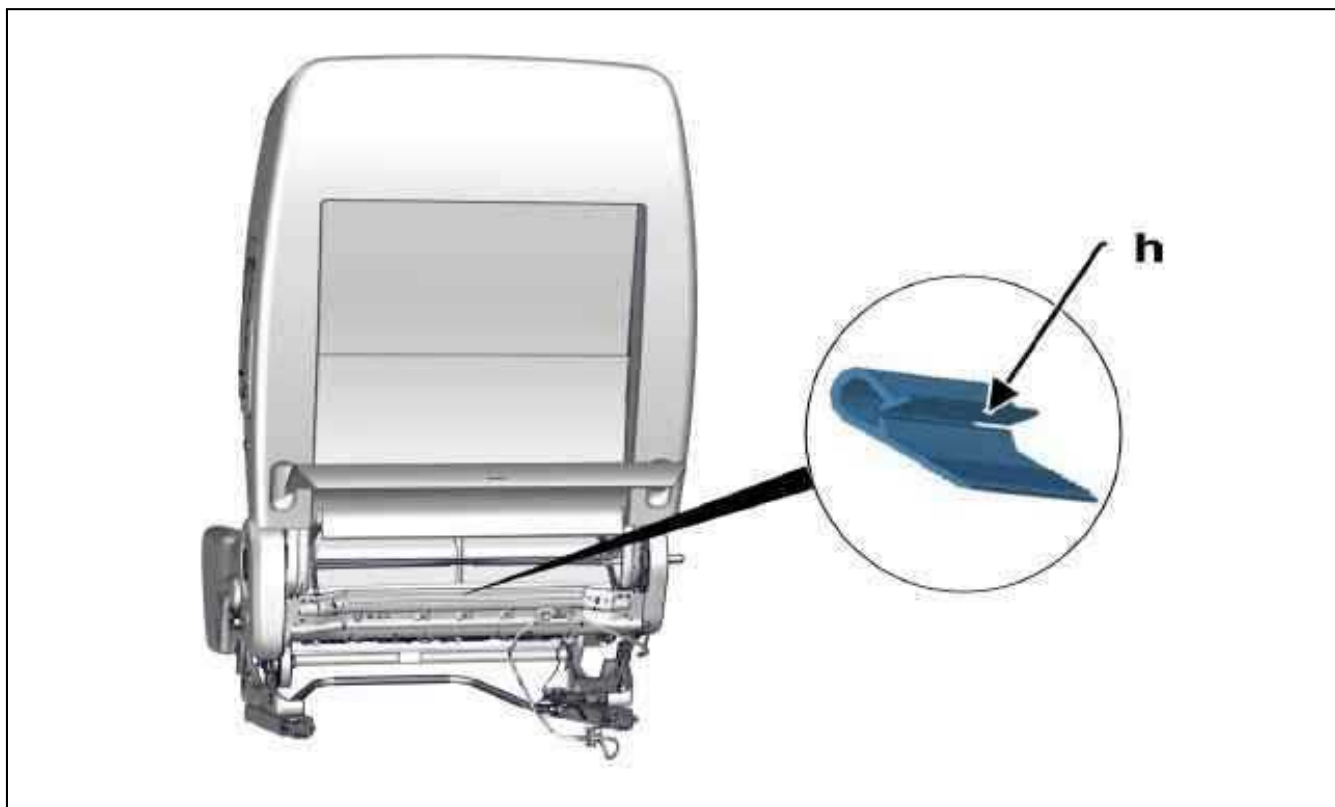


Figure : C5GP0X4D

Unclip the backrest cushion fastener from the seat frame at the base (as "h").

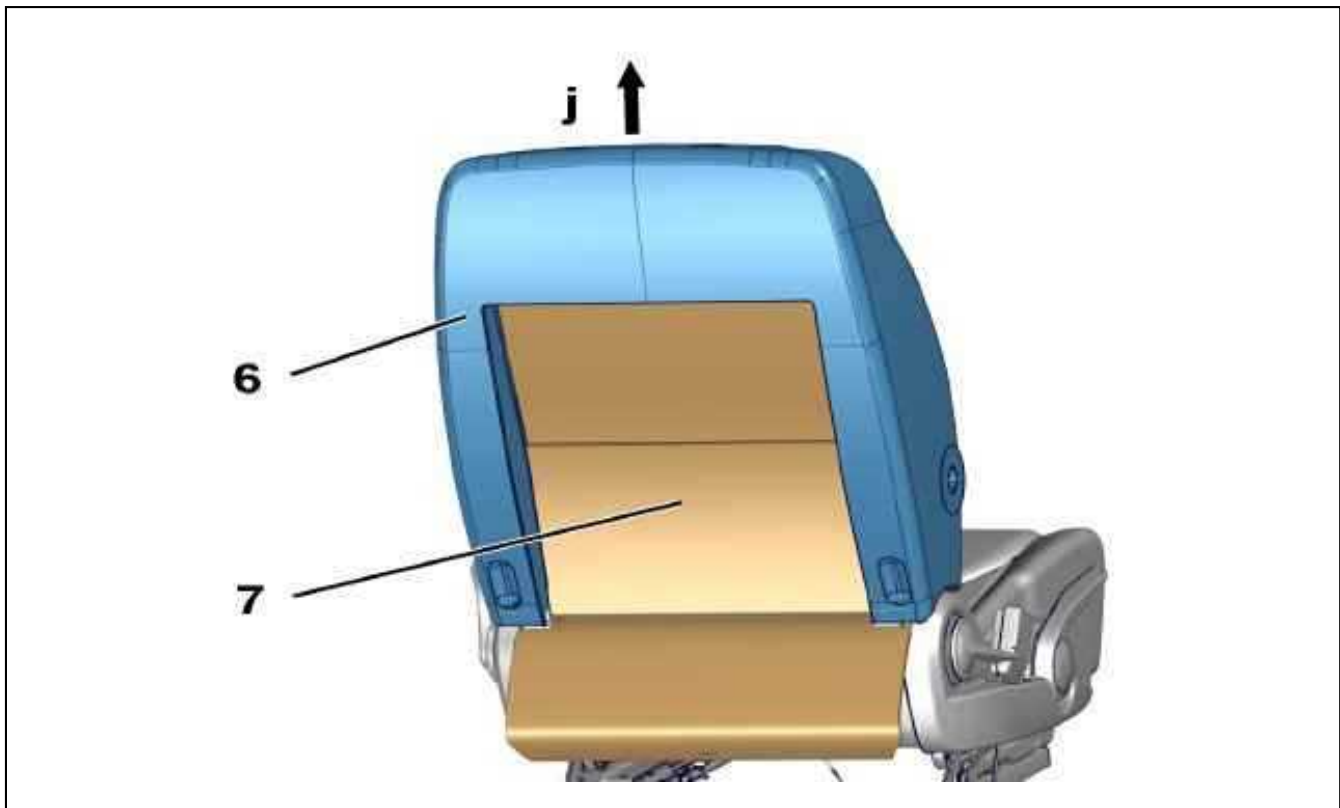


Figure : C5GP0X5D

Detach the backrest cushion (6) (as "j").

Remove :

- The covered backrest cushion assembly (6) (With side airbag)
- The seat rear casing (7)

2.2. Side airbag

Remove the side airbag ⓘ .

2.3. Covered seat cushion

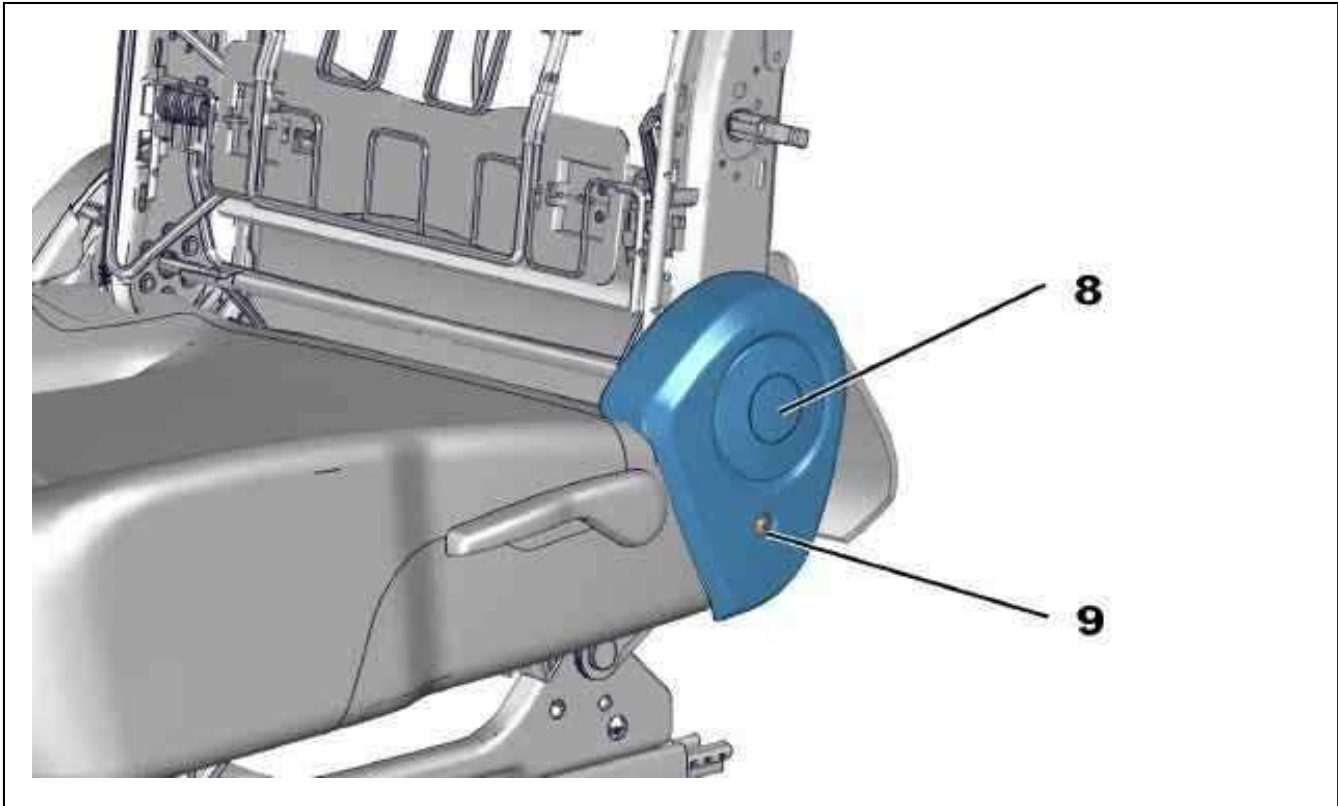


Figure : C5GP0X6D

Remove :

- The (9) bolt
- The seat trim (8) (towards the outside)

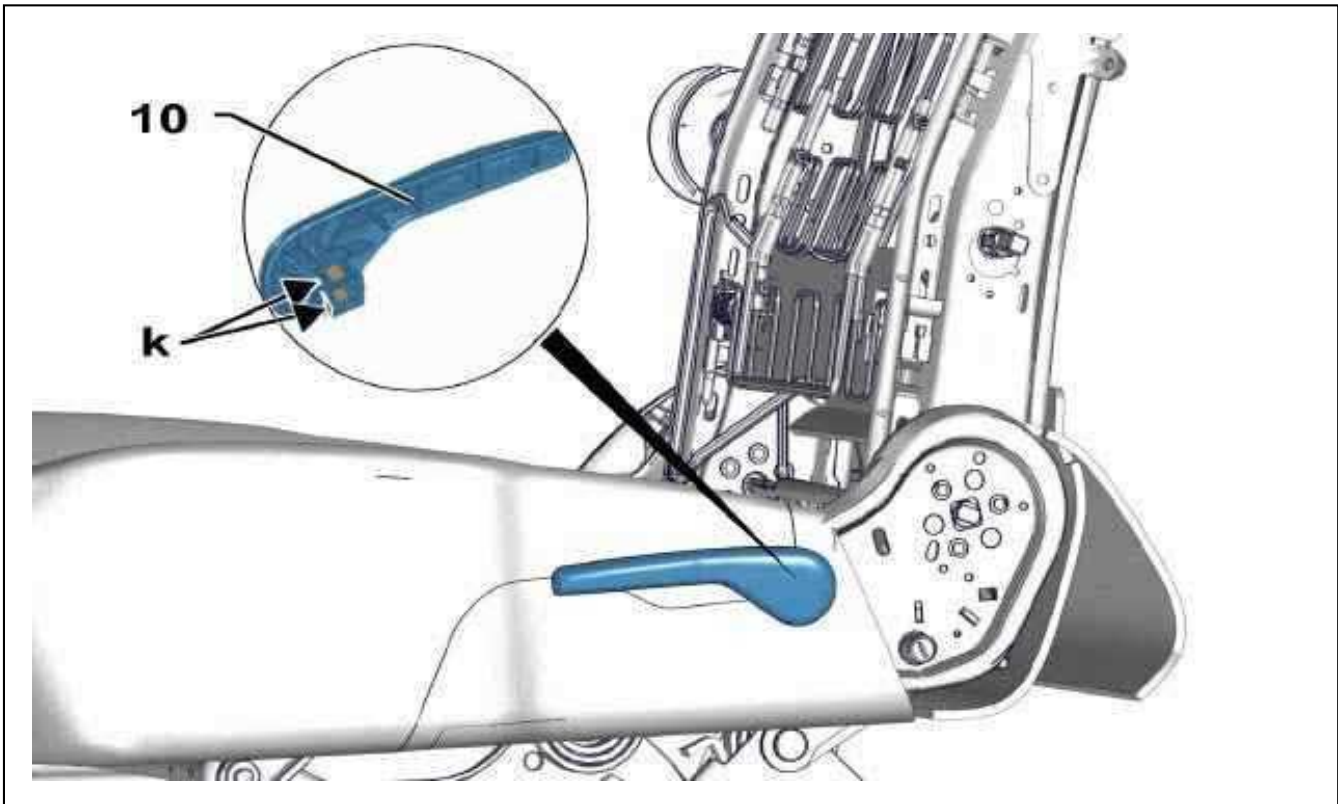


Figure : C5GP0X7D

Unclip the seat height control (10) (as "k") ; Using a small, flat, thin screwdriver (According to equipment).

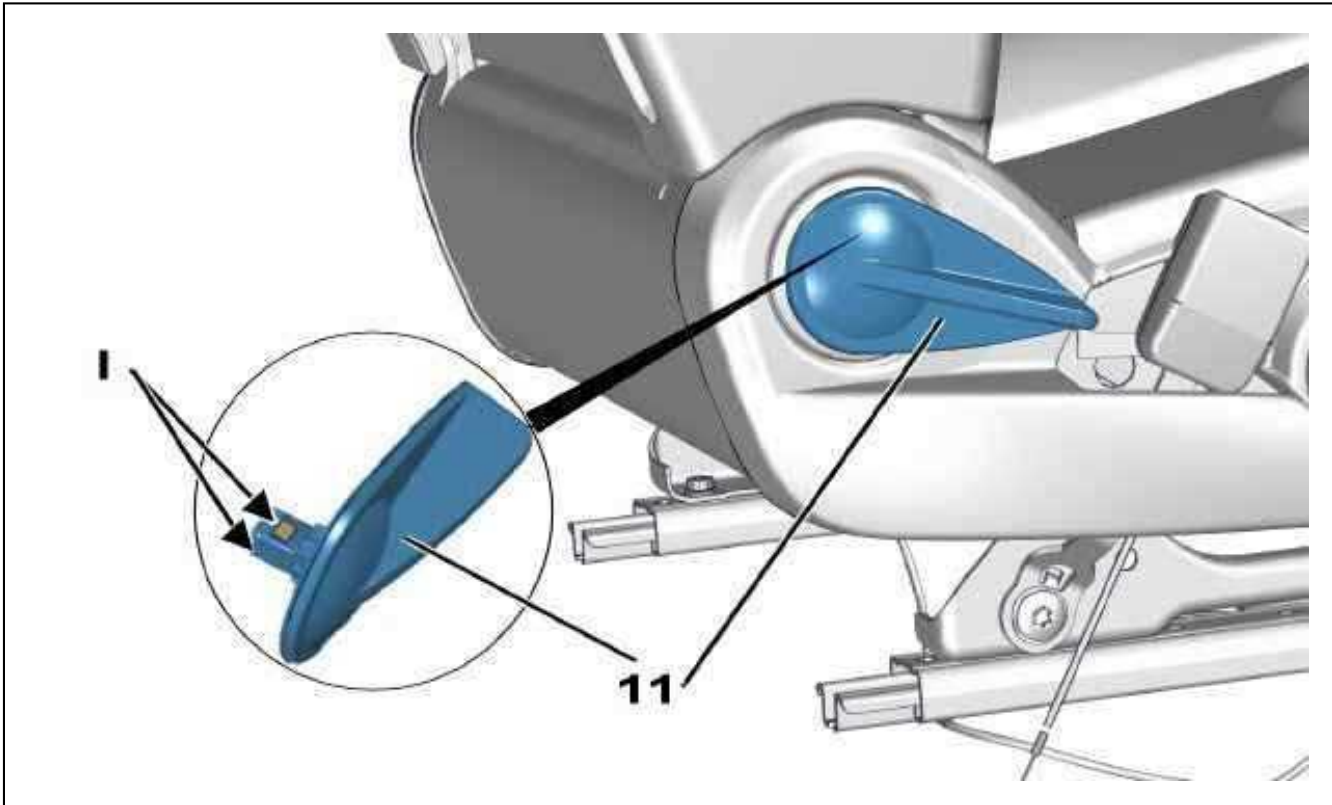


Figure : C5GP0X8D

Detach the backrest angle adjustment control (11) by moving aside the locking clips (as "I") ; Using a small, flat, thin screwdriver.

Remove the backrest angle adjustment control (11).

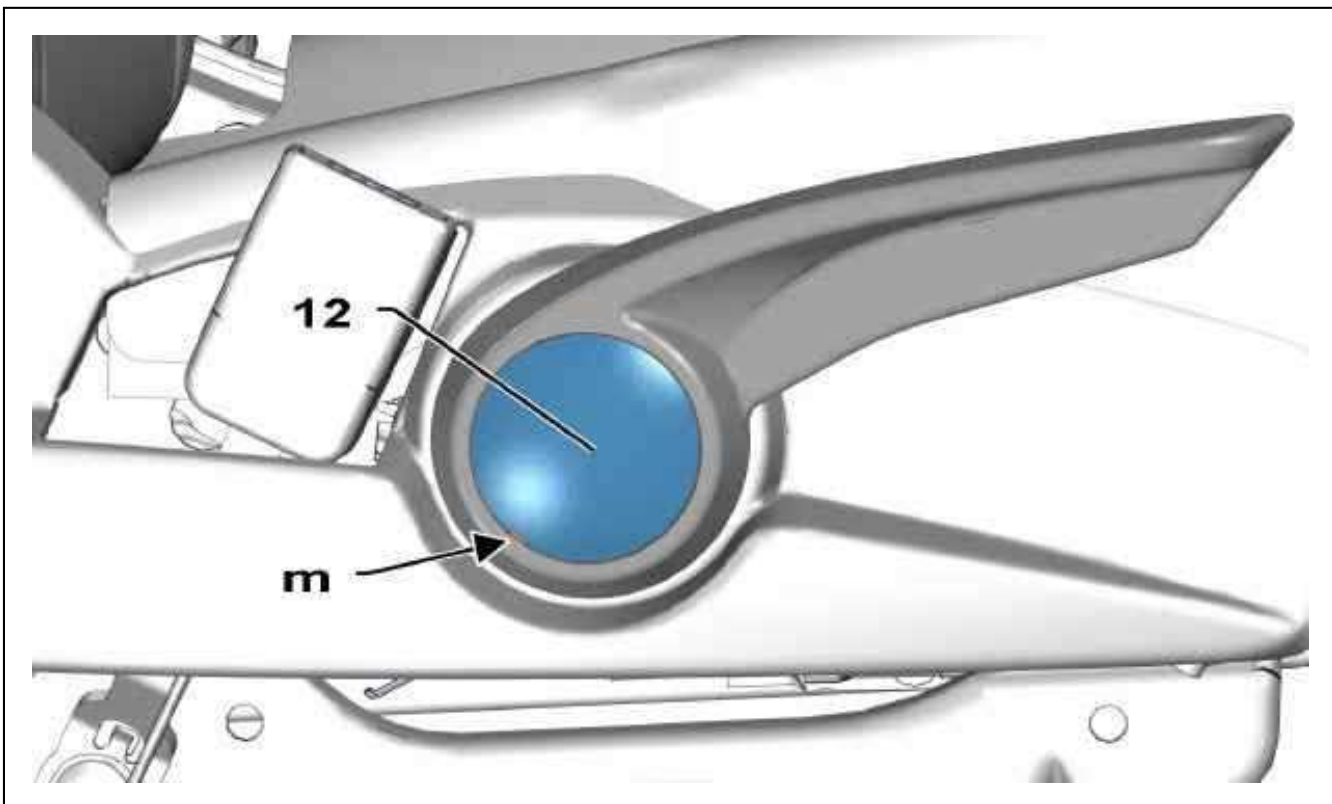


Figure : C5GP0X9D

Unclip the cover (12) (as "m") ; Using tool [1].
Remove the cover (12).

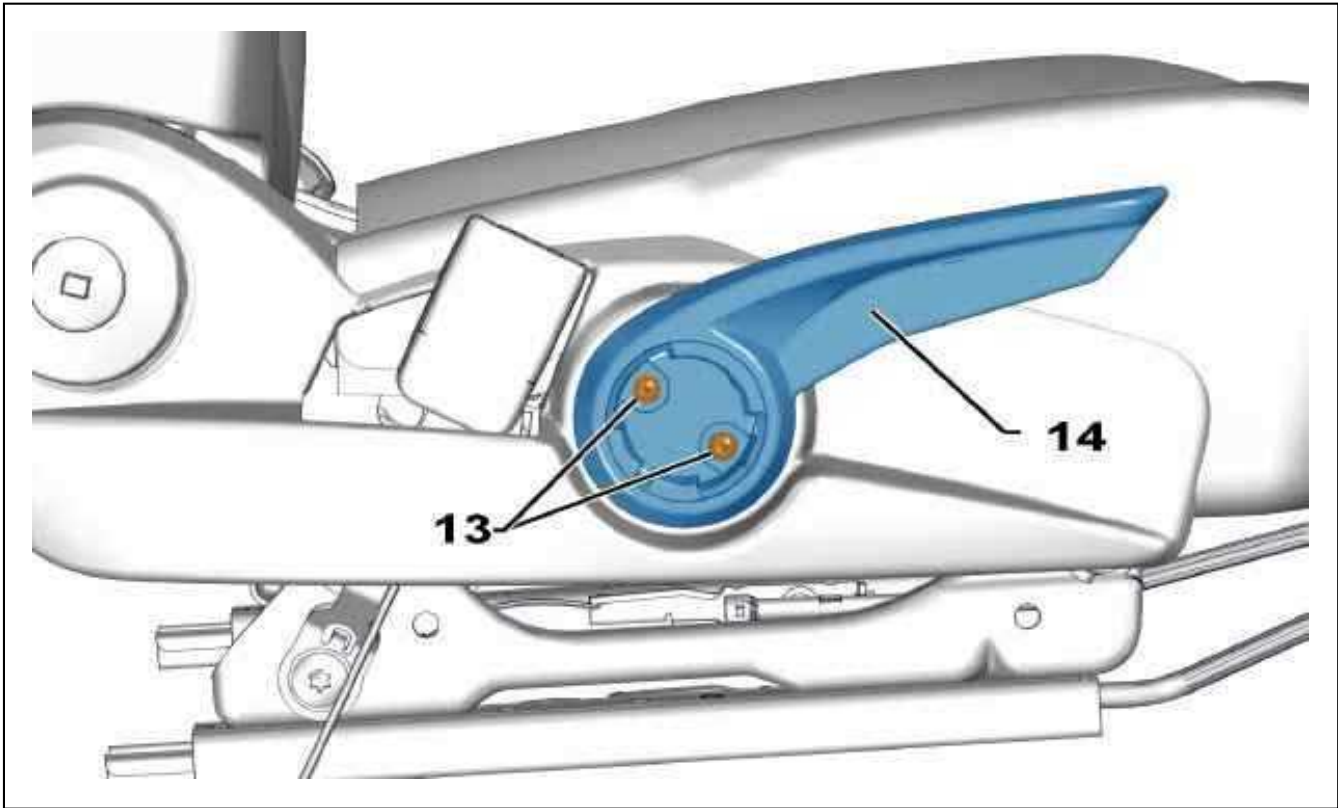


Figure : C5GP0XAD

Remove (According to equipment) :

- The bolts (13)
- The seat height adjustment control (14)

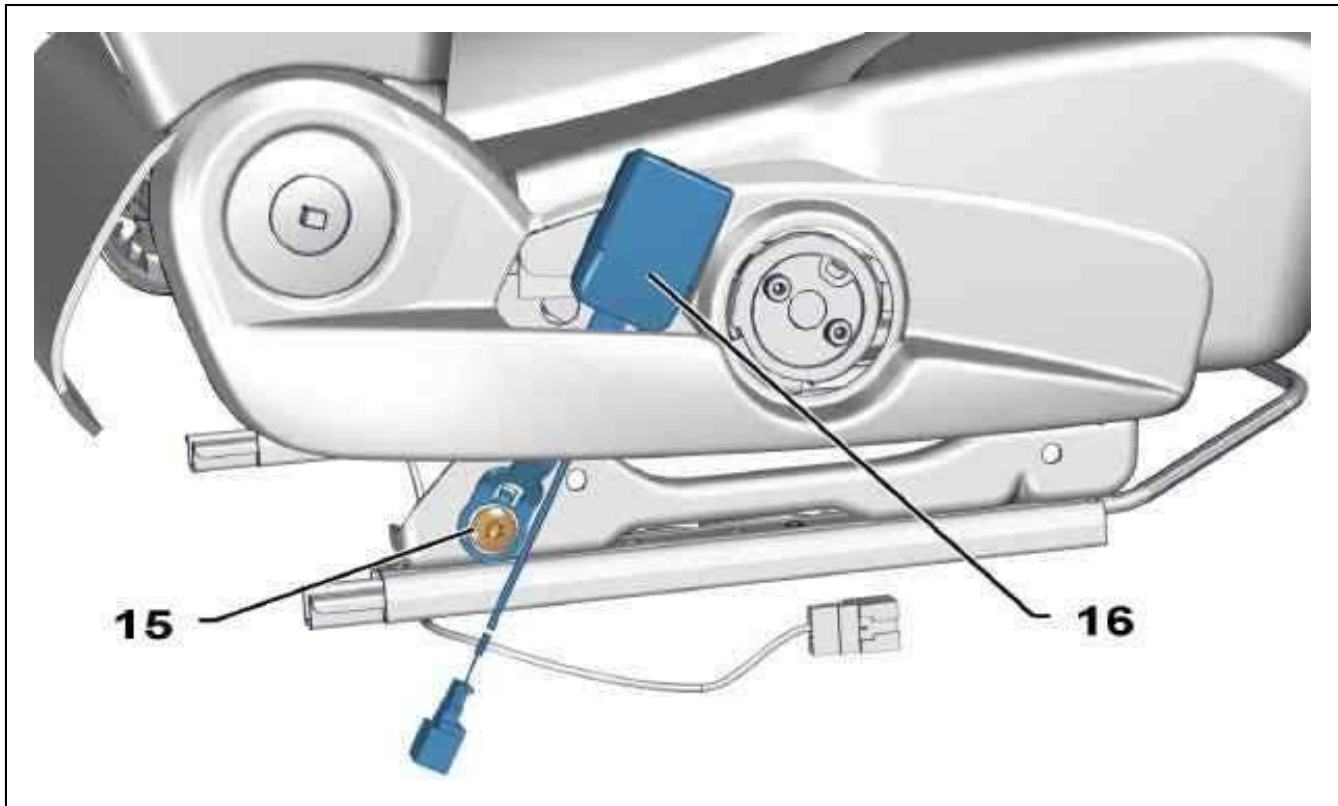


Figure : C5GP0XBD

Remove :

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

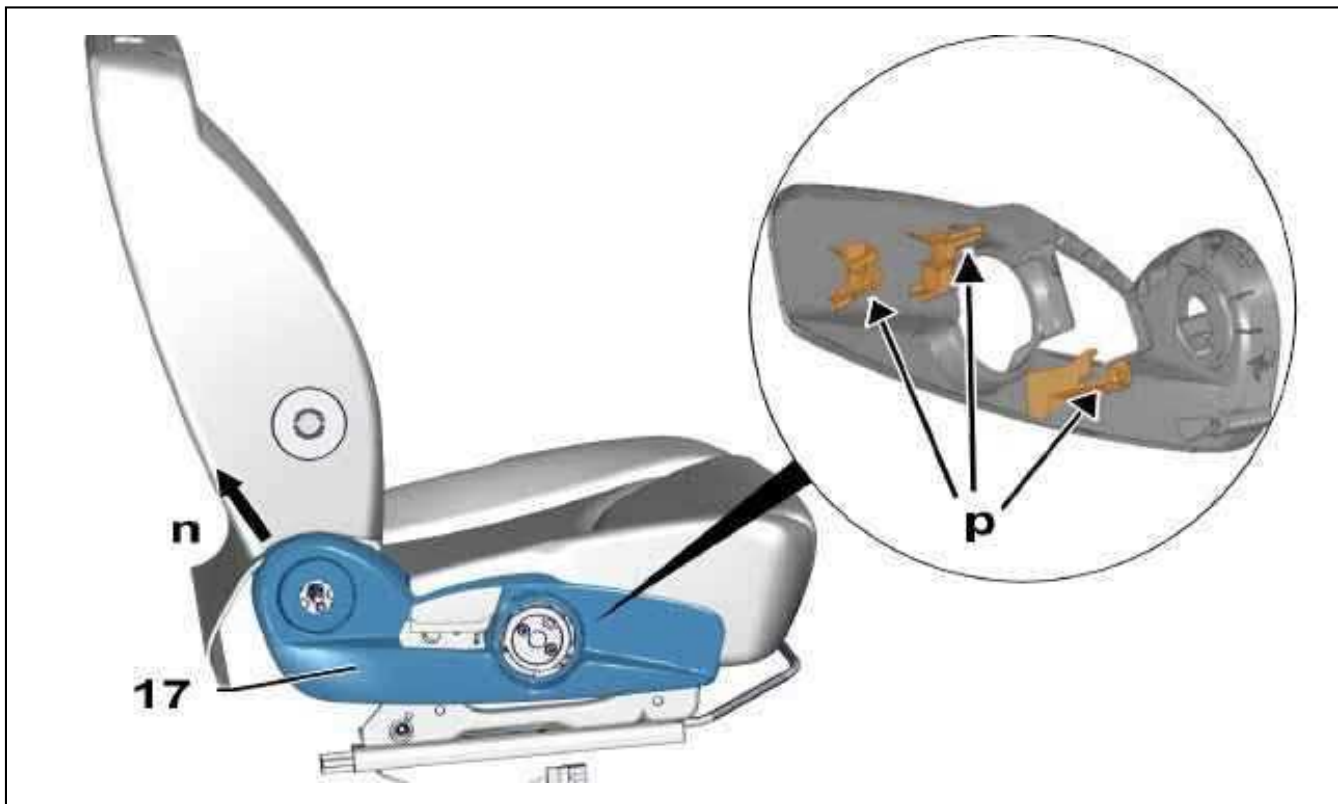


Figure : C5GP0XCD

Unclip the seat trim (17) (as "p").

Detach the seat trim (17) (as "n").

Remove the seat trim (17).

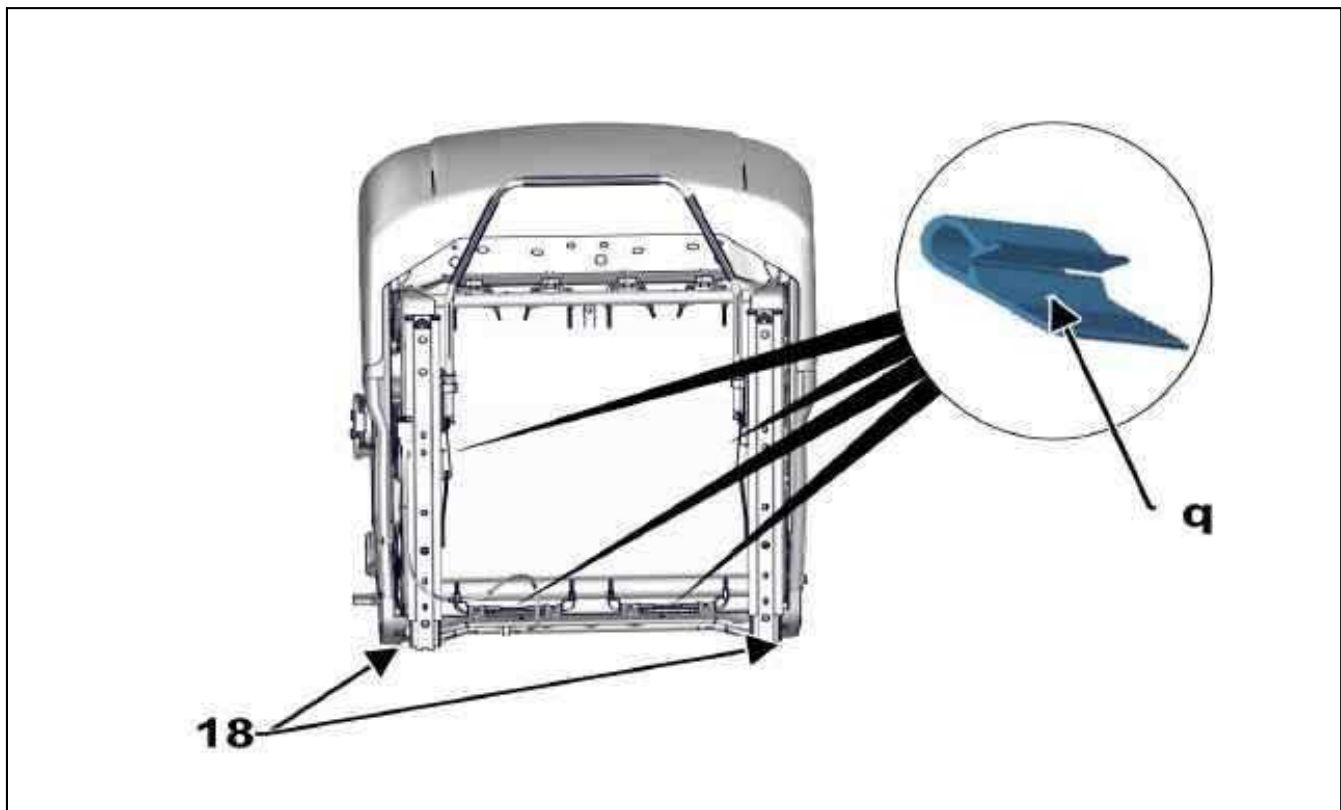


Figure : C5GP0XDD

Unclip :

- The seat cushion fastener from the seat frame (as "q")
- The clips (18)

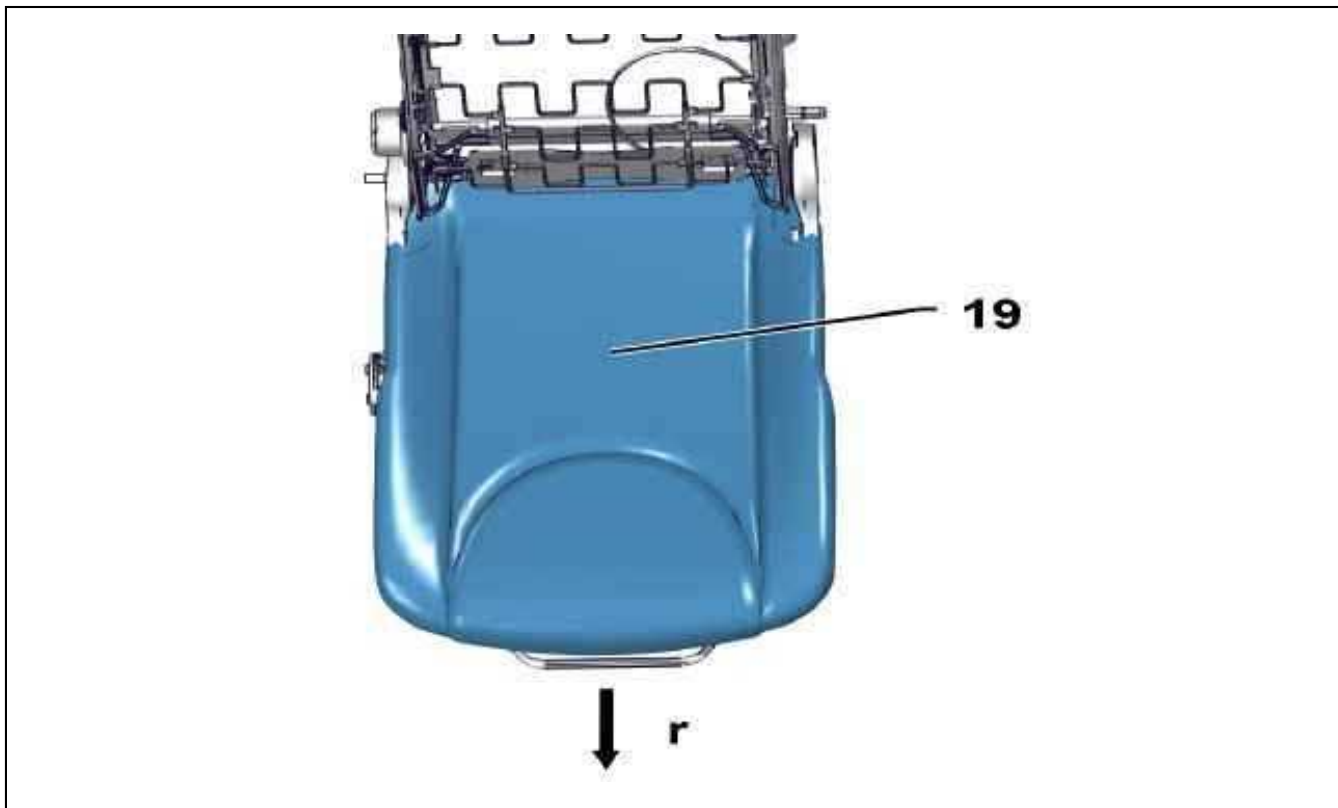


Figure : C5GP0XED

Detach the covered seat cushion (19) (following "r").

Remove the covered seat cushion (19).

2.4. Backrest lumbar adjustment

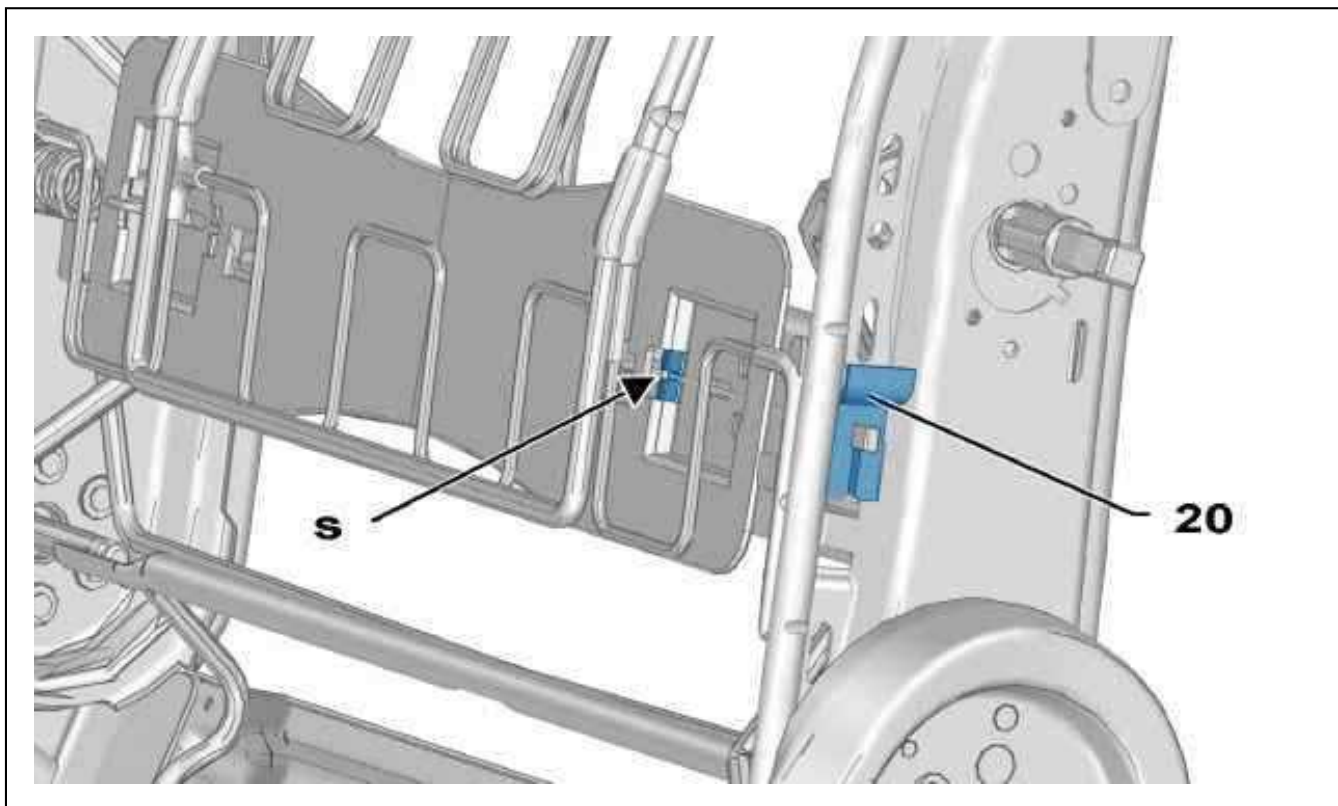


Figure : C5GP0XFD

Remove the support (20).

Detach the lumbar adjustment cable (as "s").

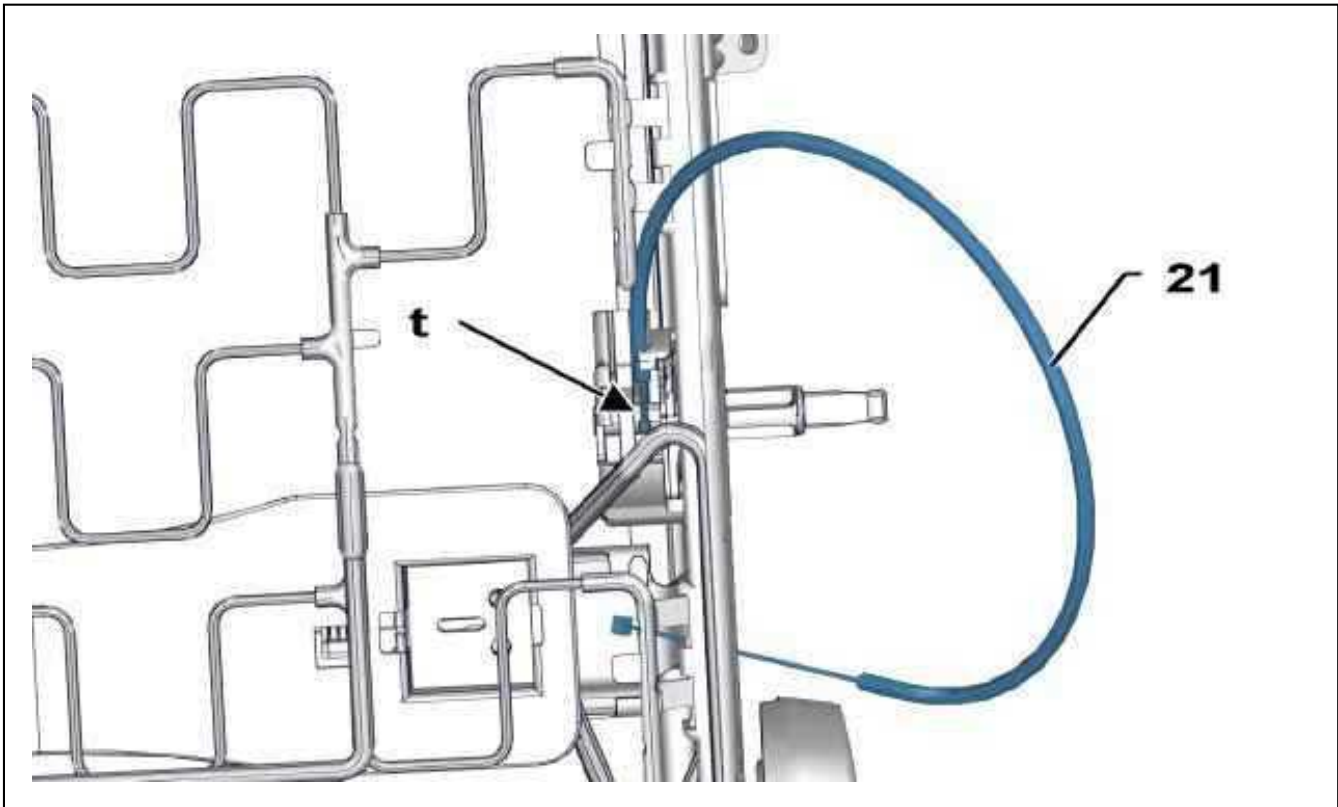


Figure : C5GP0XGD

Uncouple the cable (21) end piece (as "t").

Remove the lumbar adjustment cable (21).

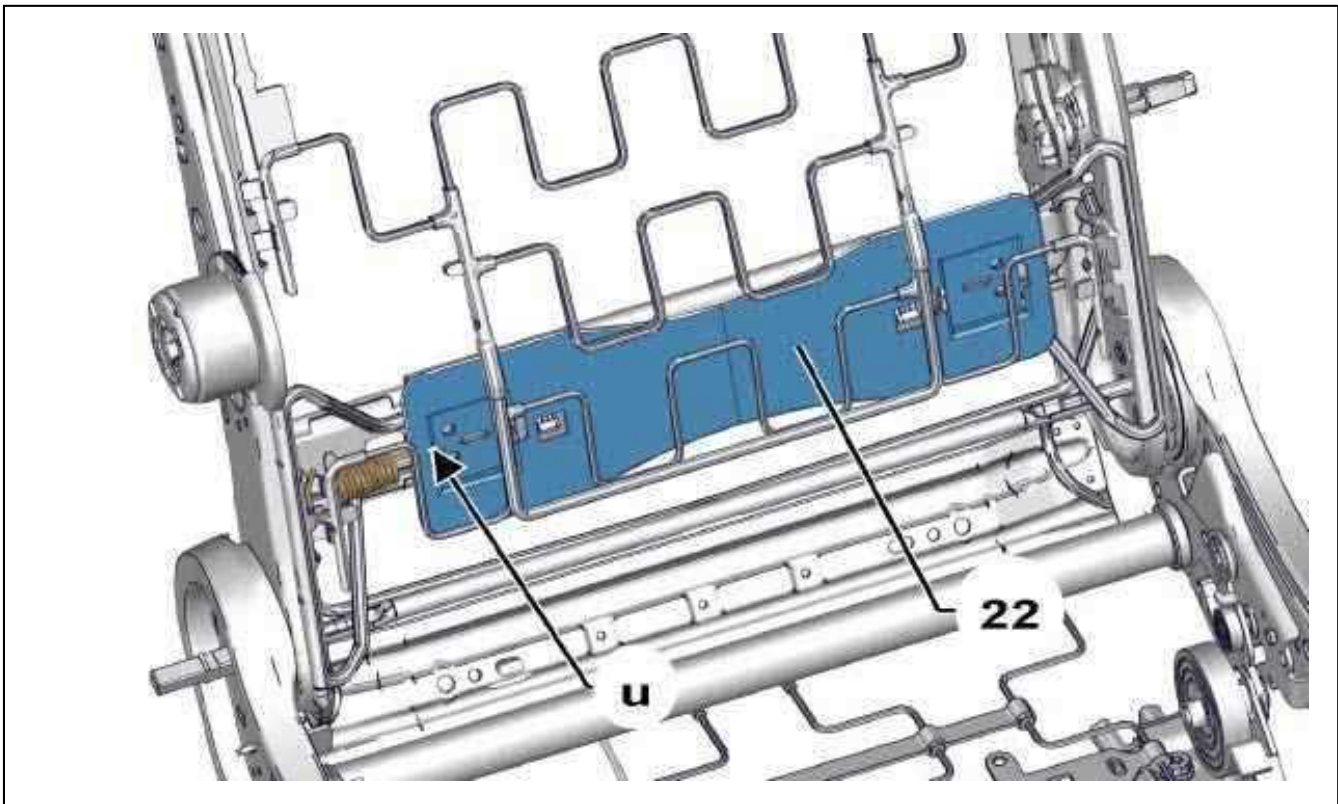


Figure : C5GP0XHD

Detach the spring (as "u").
Remove the lumbar plate (22).

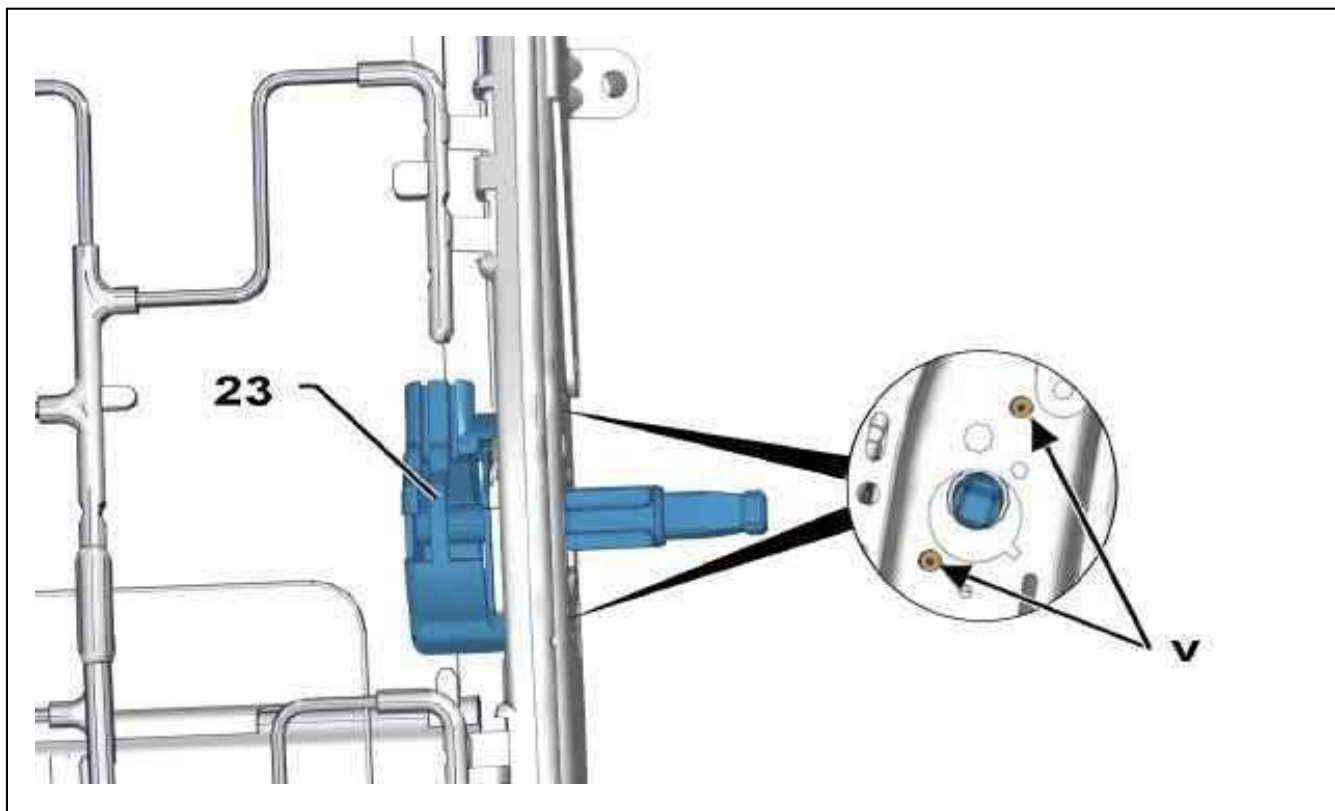


Figure : C5GP0XJD

N.B. : Drift out the rivet studs before drilling out.

Drill out the rivet heads (as "v") ; Using a 4 mm dia. drill.
Remove the lumbar adjustment control mechanism (23).

2.5. Front seat slides

Remove the front seat slides ⓘ.

3. Refitting

Proceed in the reverse order to removal.

Tighten :

- The nuts (5) to $0,5 \pm 0,1$ daN.m
- The bolts (9) (13) to $0,2 \pm 0,1$ daN.m
- Screw (15) to $3 \pm 0,3$ daNm

Check all the equipment works.

REMOVING - REFITTING : HYDRAULIC VALVE BLOCK (ABS/ESP)

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

1. Recommended tools

A pedal press.

The fault finding tool.

2. Removing

Raise and support the vehicle on a 2 -post lift.

Place the pedal press on the brake pedal to prevent any flow of brake fluid when the brake hoses are uncoupled.

Disconnect the battery.

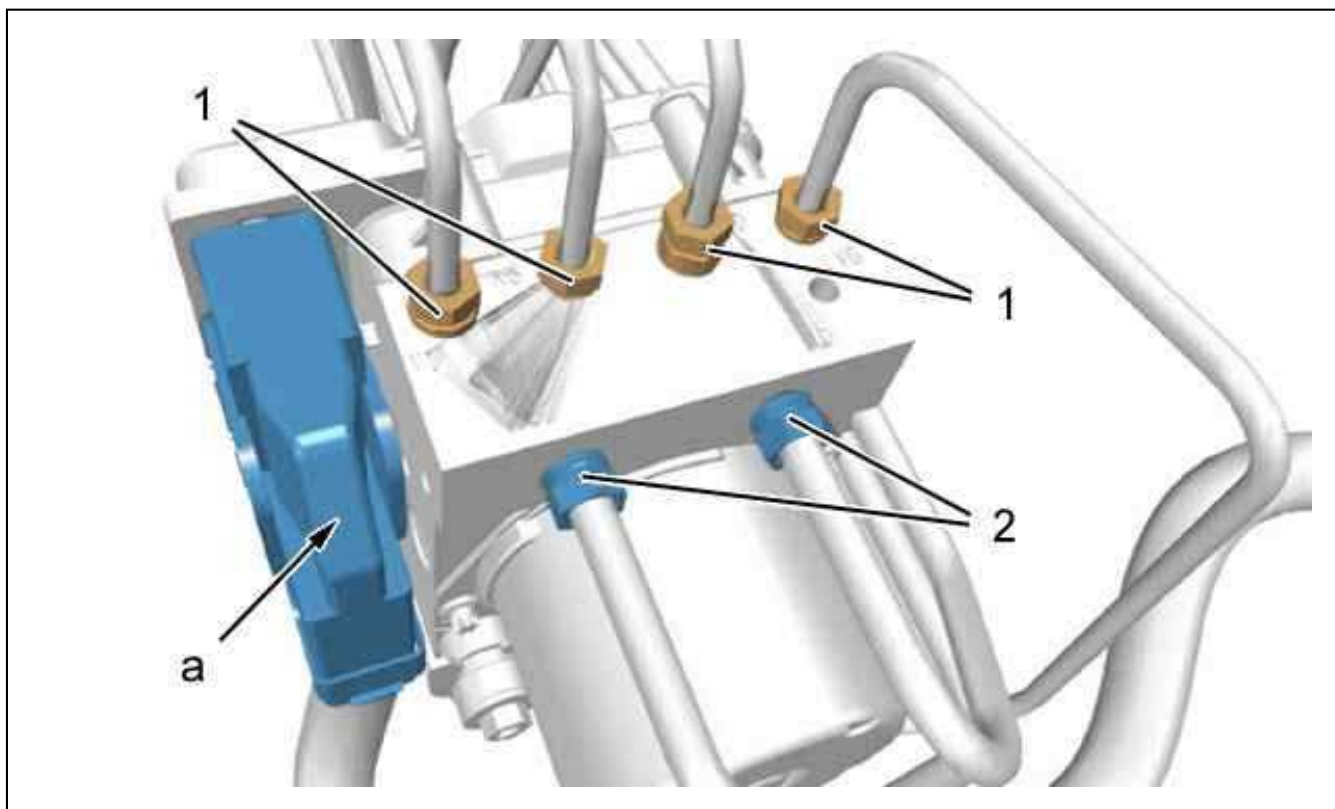


Figure : B3FP7TWD

Disconnect the connector (as "a").

CAUTION : Prepare for the flow of brake fluid.

Unscrew :

- The unions (1)
- The unions (2)

Uncouple : The unions (1), (2).

CAUTION : Plug the inlets and outlets of the hydraulic block to prevent any entry of foreign bodies.

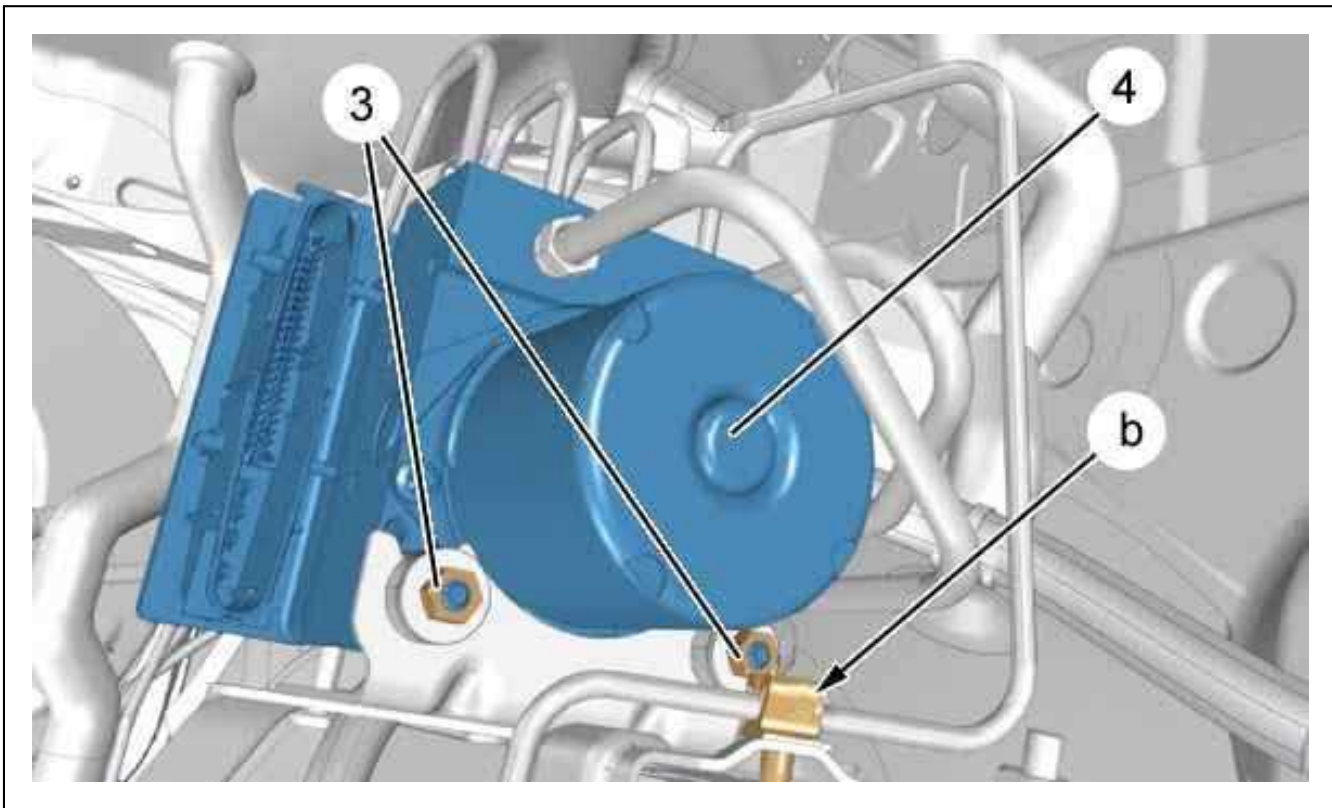


Figure : B3FP7TXD

Unclip the hydraulic pipe (as "b").

Remove :

- The nuts (3)
- The hydraulic valve block (4)

3. Refitting

CAUTION : Adhere to the tightening torques ⓘ .

CAUTION : Remove the blanks from the openings of the hydraulic block (4), just before fitting the brake pipes .

The hydraulic valve block (4) is delivered full of brake fluid .

Refit :

- The hydraulic valve block (4)
- The nuts (3)

Couple up : The unions (1), (2).

Tighten the unions (1), (2).

Clip the hydraulic pipe (as "b").

Reconnect the connector (as "a").

Fill and bleed the braking system ⓘ .

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

Reconnect the battery.

4. Configuration of ECU

Use the diagnostic tool.

Configure the ECU.

Select the ECU configuration menu .

Follow the instructions on the diagnostic tool.

Configure :

- The vehicle's engine
- The body
- The type of tyres
- The gearbox type
- The type of electronic architecture

Read the fault codes.

STRIPPING-ASSEMBLING : FRONT BENCHSEAT

ESSENTIAL : Observe the safety and cleanliness recommendations.

1. Stripping

Removing - refitting : **FRONT BENCHSEAT** ⓘ .

1.1. Covered backrest cushion

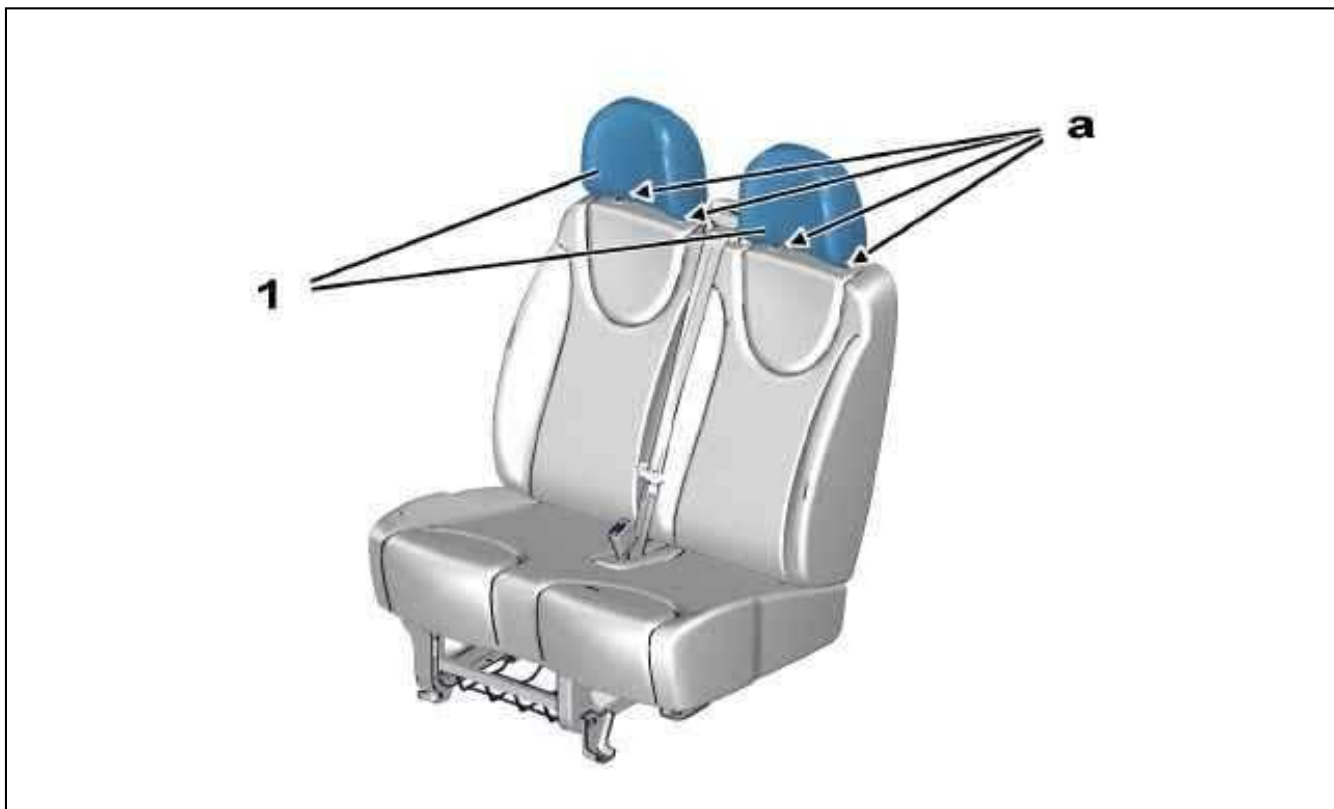


Figure : C5GM01BD

Unclip (as "a").

Remove the head restraints (1).

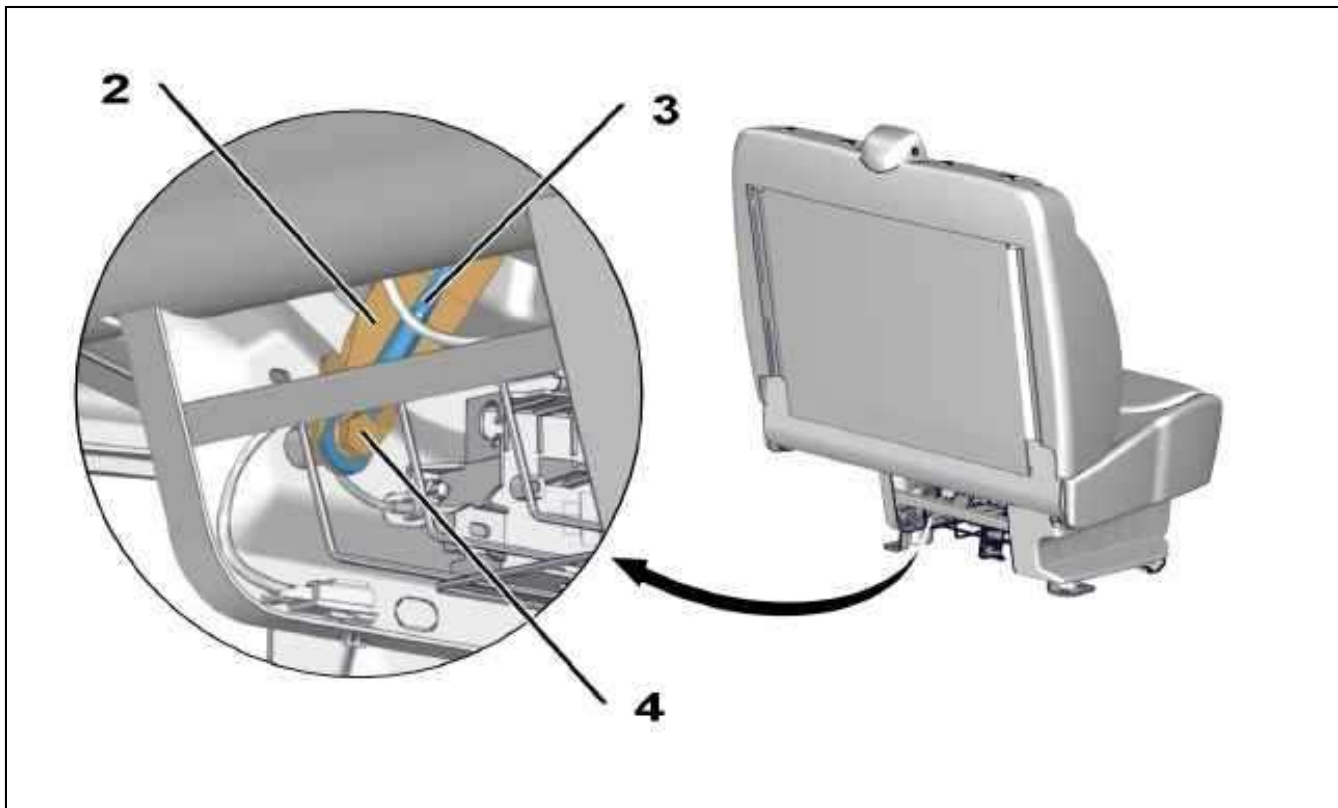


Figure : C5GM01CD

Remove :

- The (4) bolt
- The seat belt stalk (3)

Detach : The seat belt (2).

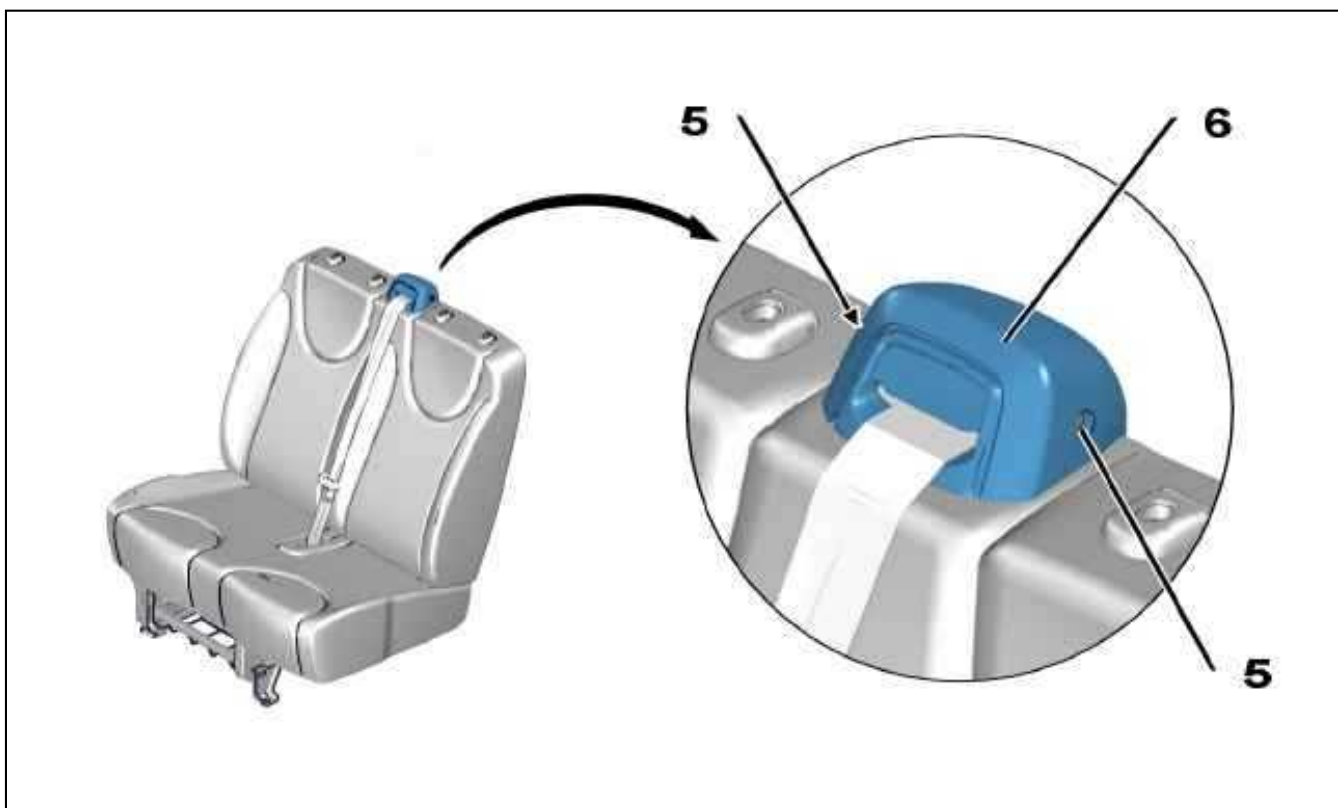


Figure : C5GM01DD

Remove :

- bolts (5)
- Pyrotechnic seat belt unit (6)

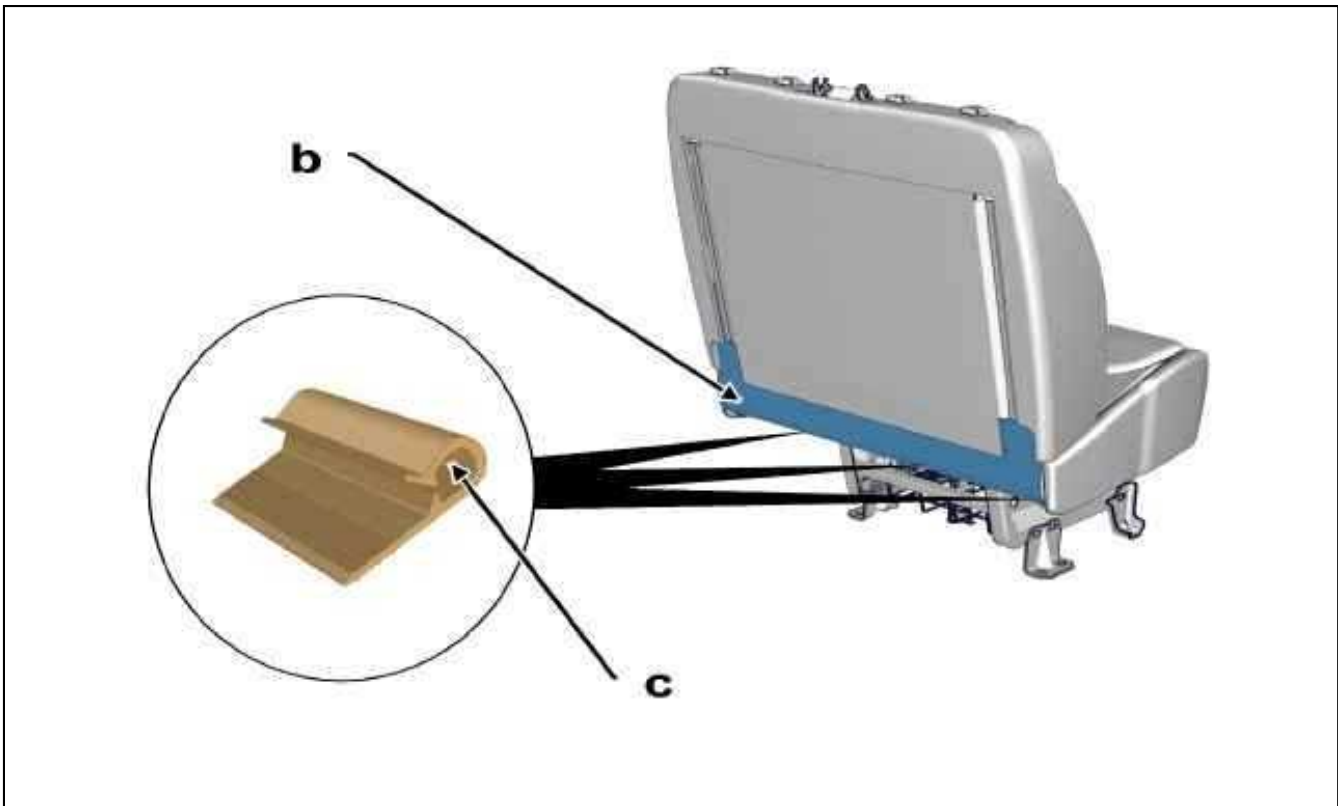


Figure : C5GM01ED

Unclip the rear casing fasteners on the front benchseat frame (as "c") ; Using a flat screwdriver.
Detach the lower part of the rear casing (as "b") To access the head restraint guides.

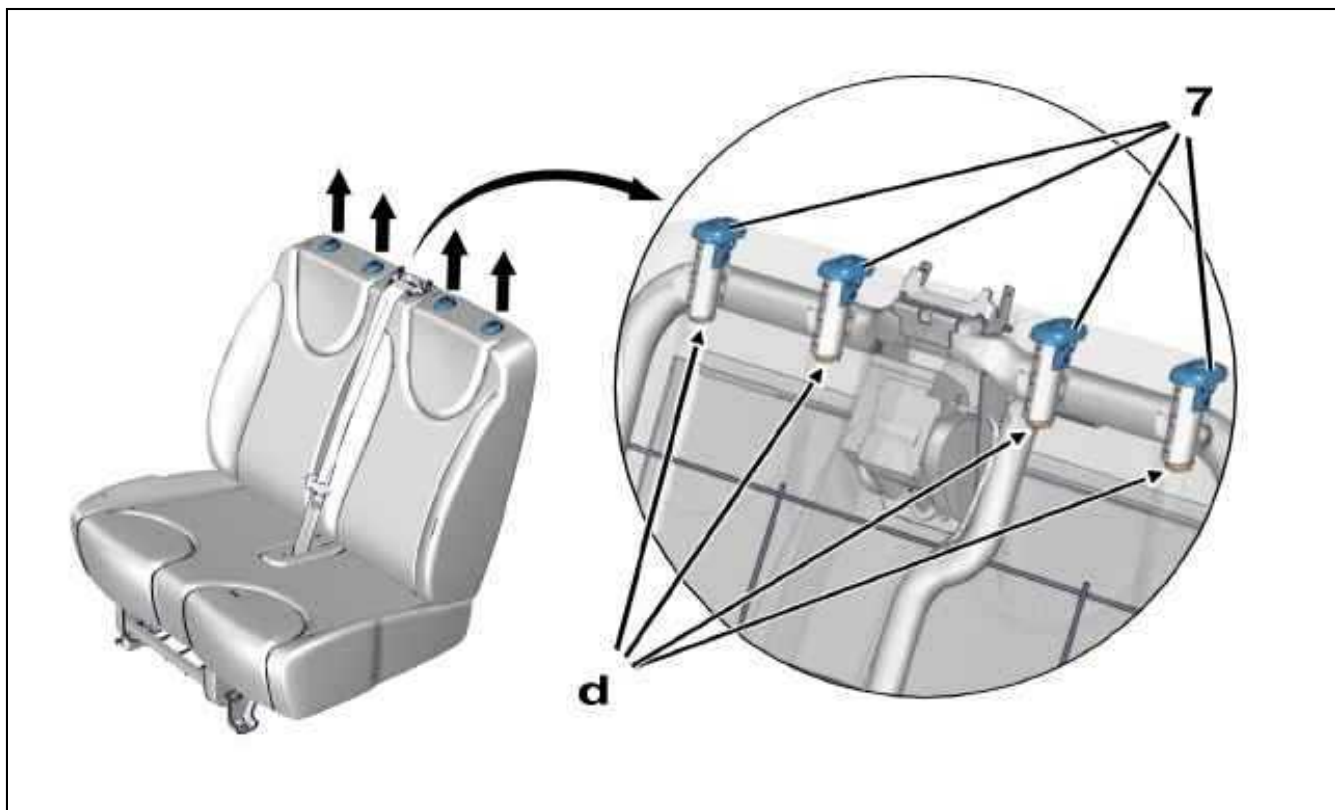


Figure : C5GM01FD

Unclip the head restraint guides (7) (as "d") (as per arrows).

Remove : The head restraint guides (7).

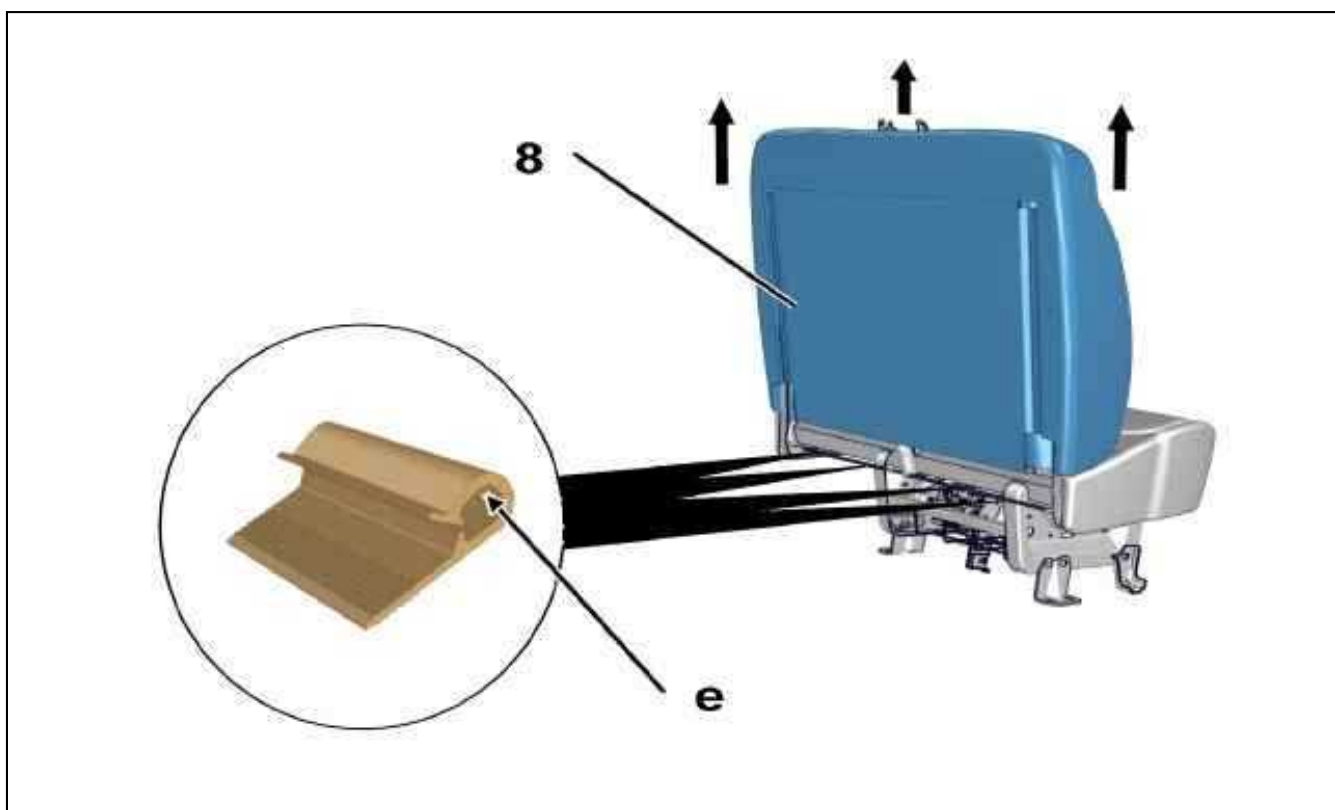


Figure : C5GM01GD

Unclip the covered backrest cushion (8) fasteners (as "e") ; Using a flat screwdriver.

Remove the covered backrest cushion (8) (Following the arrows).

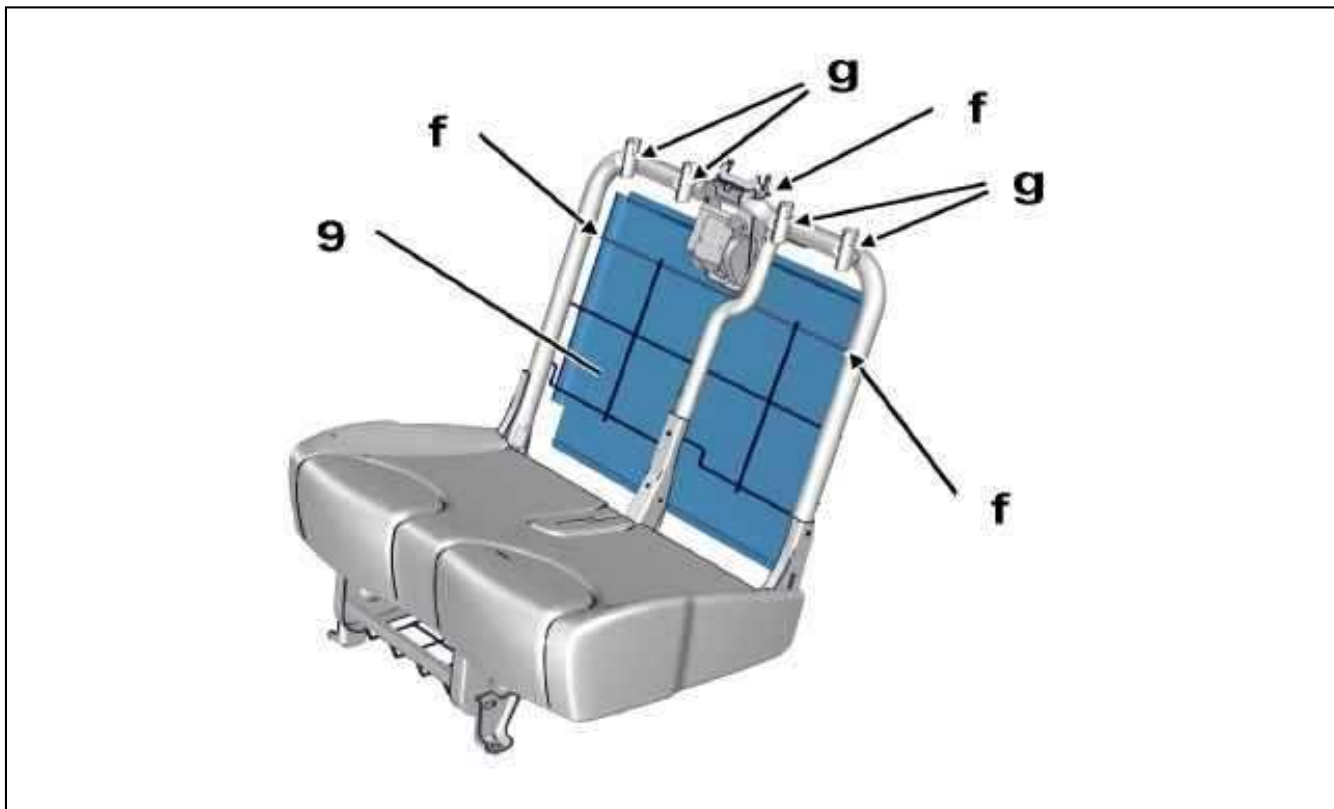


Figure : C5GM01HD

Unclip the cardboard strengthener (9) (as "f").

Release the elastic straps of the cardboard strengthener (9) (as "g").

Remove the cardboard strengthener (9).

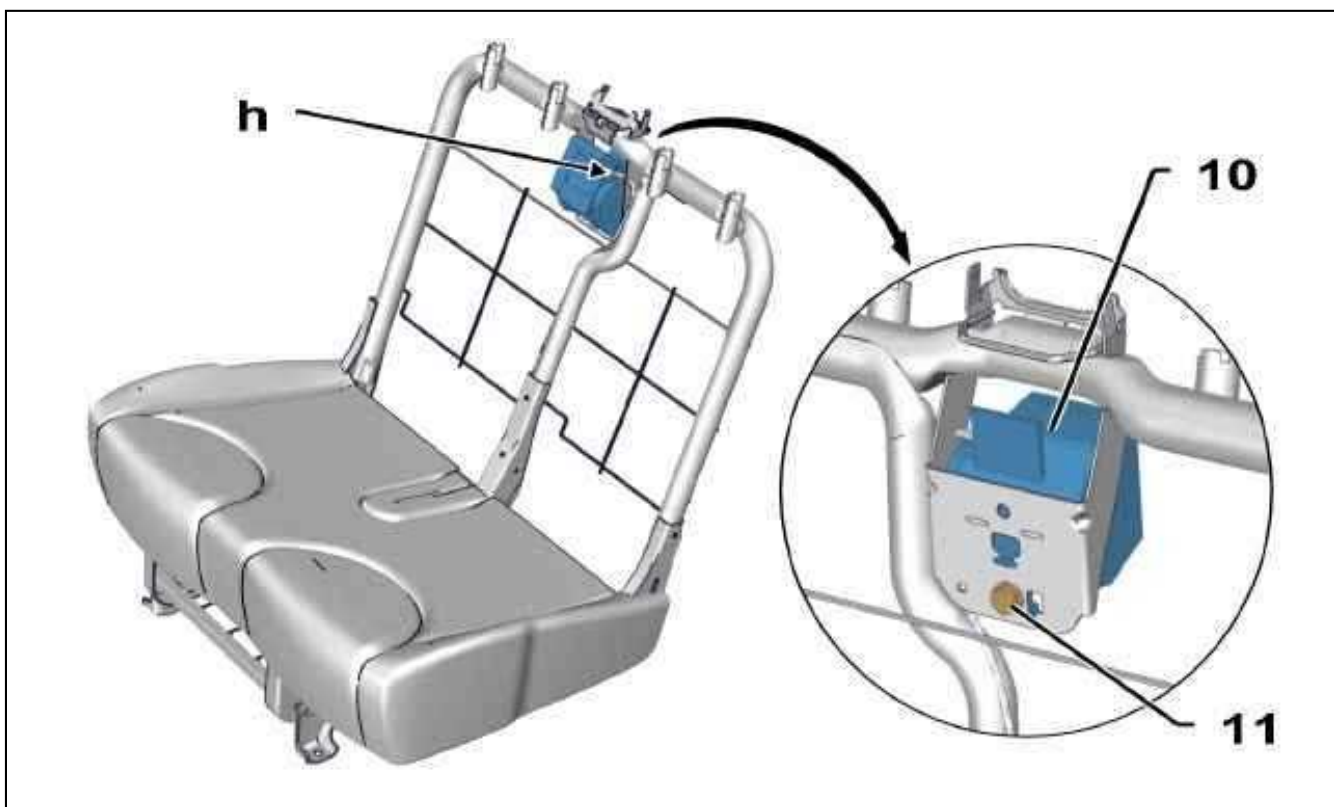


Figure : C5GM01JD

Remove bolts (11).
Disengage the front seat belt reel (10).
Disconnect the connector (as "h").
Remove the seat belt reel (10).

1.2. Covered seat cushion

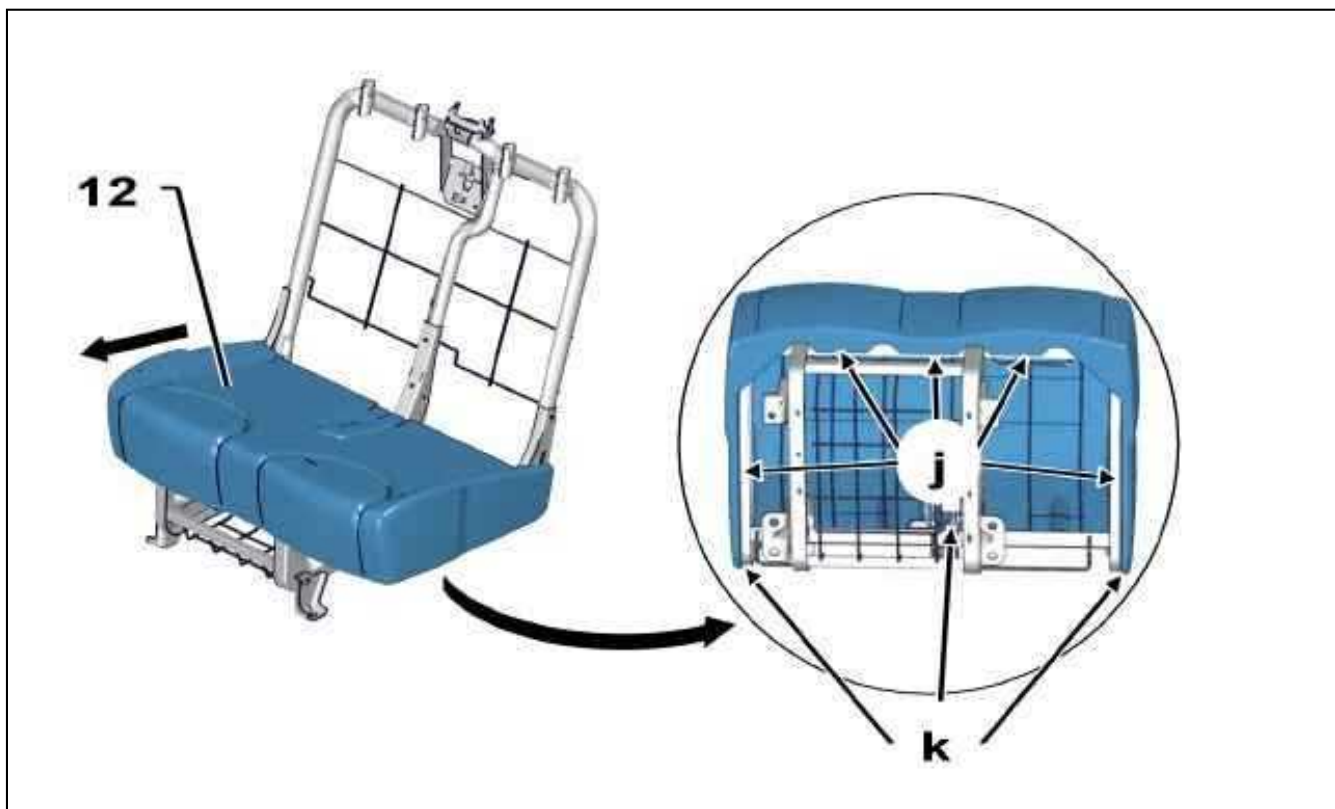


Figure : C5GM01KD

Release the latches at "j", "k" ; Using a flat screwdriver.
Remove the covered seat cushion (12) (Following the arrows).

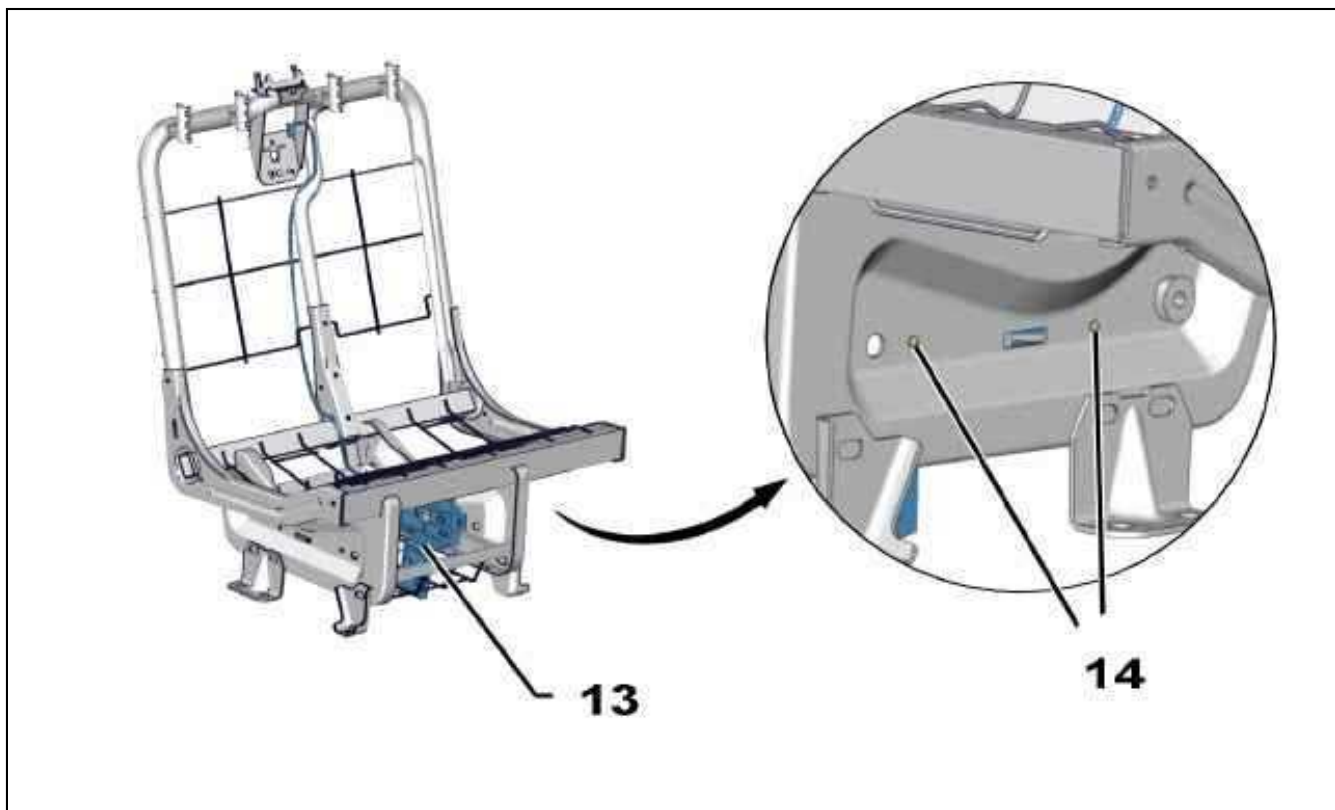


Figure : C5GM01LD

Remove :

- The bolts (14)
- The electrical harness and mounting assembly (13)

2. Re-assembling

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

Pre-tighten the bolts (4), (11) to $3 \pm 0,3$ daNm.

Check that the electrical equipment is working correctly.