

RENAULT

6 Sealing and soundproofing

65A OPENING ELEMENT SEALING

66A WINDOW SEALING

68A SOUNDPROOFING

X91

JANUARY 2009

Edition Anglaise

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LAGUNA III - Section 6

Contents

Page

65A OPENING ELEMENT SEALING

Door sealing film: Removal - Refitting	65A-1
Front side door seal: Removal - Refitting	65A-5
Sunroof seal: Removal - Refitting	65A-8

66A WINDOW SEALING

Front side door glass run channel: Removal - Refitting	66A-1
Front door side exterior weather strip: Removal - Refitting	66A-6
Rear side door exterior weather strip: Removal - Refitting	66A-8
Glass run channel in rear side door: Removal - Refitting	66A-9

68A SOUNDPROOFING

Bonnet soundproofing: Removal - Refitting	68A-1
Bulkhead insulating material: Removal - Refitting	68A-2

OPENING ELEMENT SEALING

Door sealing film: Removal - Refitting

65A

REMOVAL

I - REMOVAL PREPARATION OPERATION

- ❑ Remove the front side door trim (see **Front side door trim: Removal - Refitting**) (72A, Side opening elements trim).

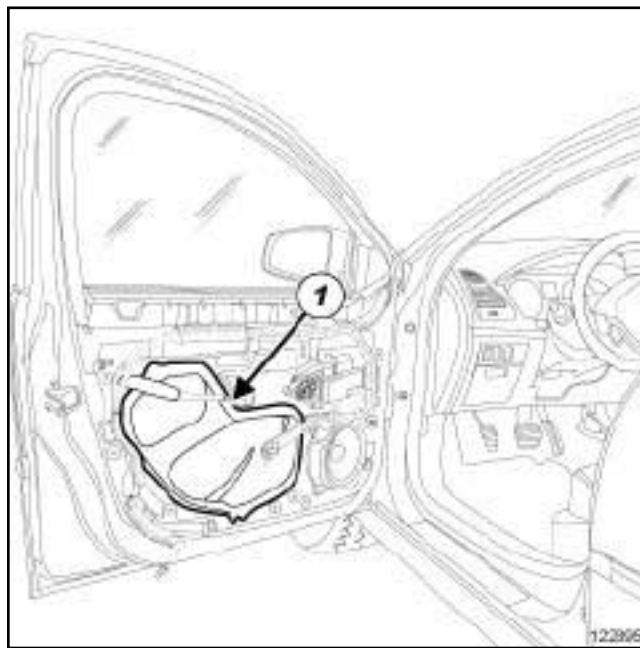
B91 or K91

- ❑ or remove the rear side door trim (see **Rear side door trim: Removal - Refitting**) (72A, Side opening elements trim).

II - OPERATION FOR REMOVAL OF PART CONCERNED

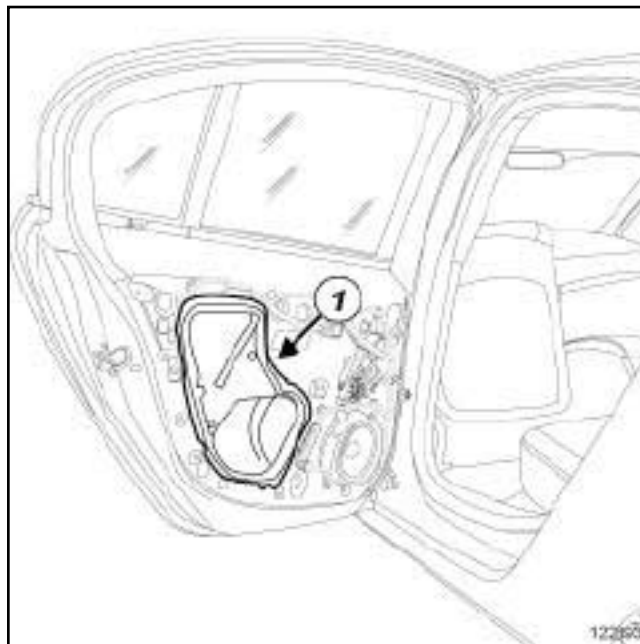
B91 or K91

front door



122895

rear door



122893

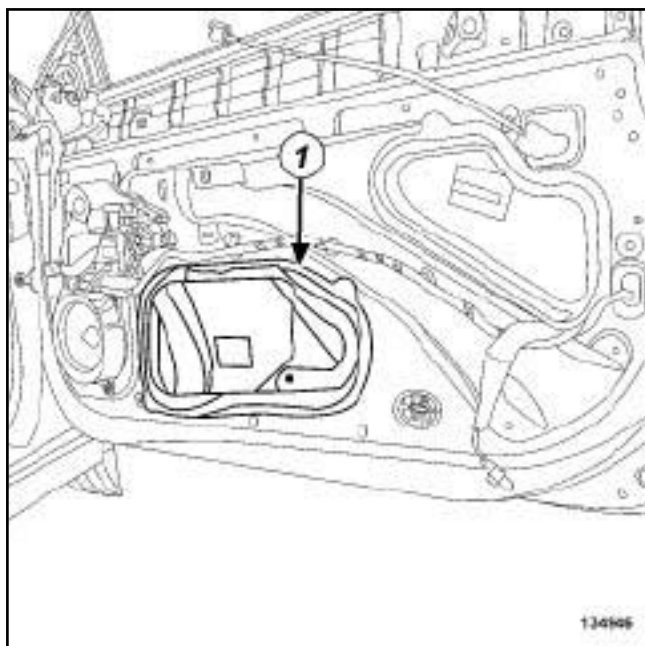
- ❑ Start removing the sealing film at the upper section (1) .

OPENING ELEMENT SEALING

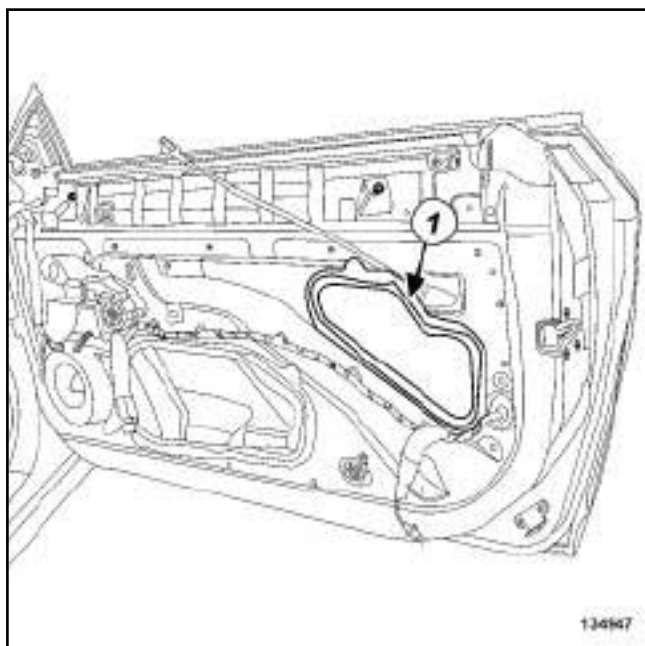
Door sealing film: Removal - Refitting

65A

D91



134946



134947

- ❑ Start removing the sealing film at the upper section (1).

- ❑ Carefully remove the mastic bead from the door box section around the edges of the sealing film.

Note:

If the mastic bead offers too much resistance, use a hot air gun set to approximately **100°C** held approximately **20 cm** away from the sealing film to ease its removal.

REFITTING

I - REFITTING PREPARATION OPERATION

- ❑ parts always to be replaced: Door sealing film (60,03,02,10).

Note:

Remove the adhesive residue from the door box section by applying wide masking tape over the bonding area. Pull gently on the masking tape to remove any adhesive residue.

Clean the door frame door box section using a lint-free cloth dipped in heptane.

WARNING

The door must be clean (free of dust, grease, anti-adhesive products), with no trace of impurities and no condensation. The area of the inner door panel where the film is applied must be painted completely.

Adhesive surfaces should be at a minimum temperature of **15°** in order for the film to adhere properly to the door.

II - REFITTING OPERATION FOR PART CONCERNED

- ❑ Remove the paper protecting the sealing film mastic bead.

Note:

Do not touch the mastic bead.

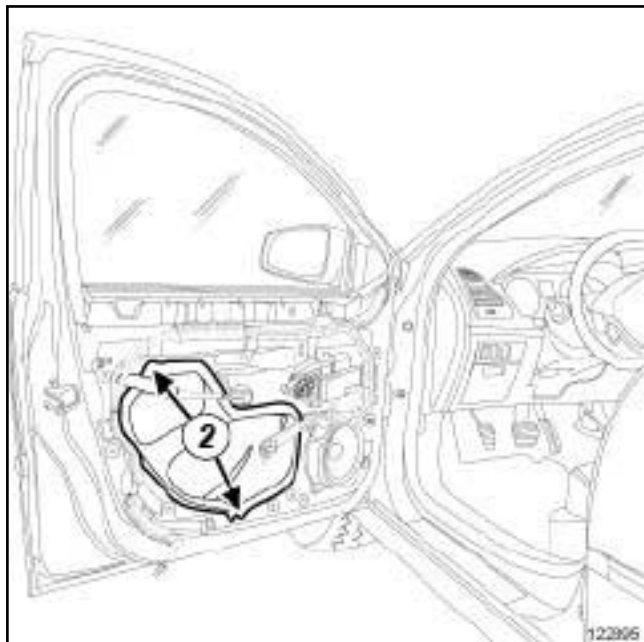
OPENING ELEMENT SEALING

Door sealing film: Removal - Refitting

65A

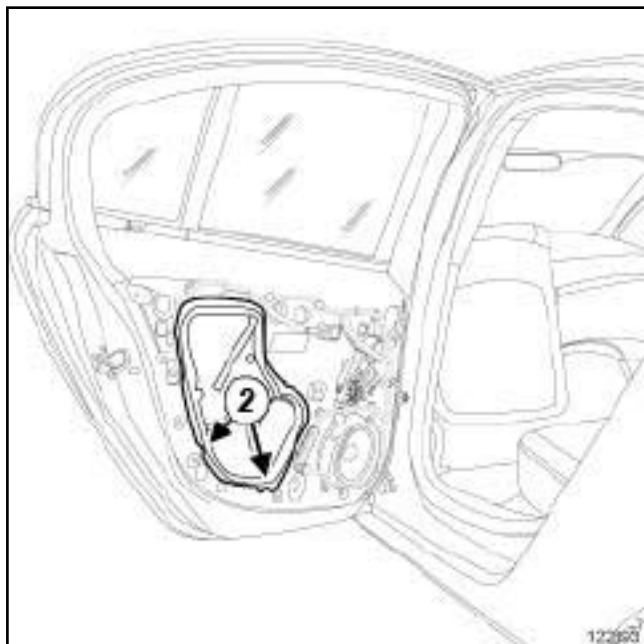
B91 or K91

front door



122895

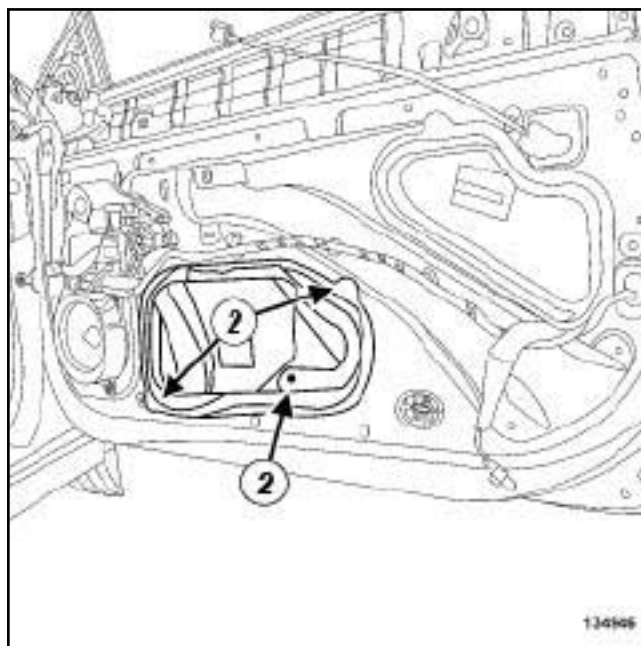
rear door



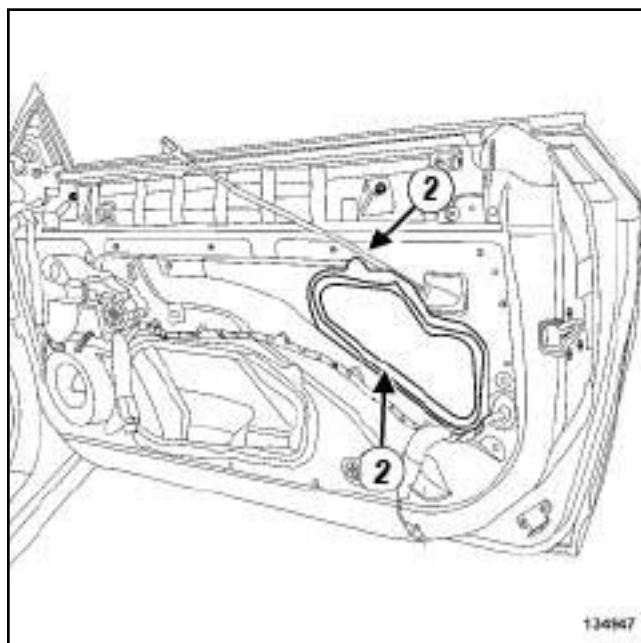
122893

- ❑ Offer up the sealing film without forcing it, bringing it into contact with the areas shown (2) .

D91



134946



134947

- ❑ Offer up the sealing film without forcing it, bringing it into contact with the areas shown (2) .
- ❑ Position the sealing film correctly around the outside edge without applying any pressure.
- ❑ Firmly attach the sealing film around its entire edge.

OPENING ELEMENT SEALING

Door sealing film: Removal - Refitting

65A

III - FINAL OPERATION

- ☐ Carry out a sealing test (see **Technical Note 653A**).

B91 or K91

- ☐ Refit the rear side door trim (see **Rear side door trim: Removal - Refitting**) (72A, Side opening elements trim) or
- ☐ Refit the front side door trim (see **Front side door trim: Removal - Refitting**) (72A, Side opening elements trim).

OPENING ELEMENT SEALING

Front side door seal: Removal - Refitting

65A

D91

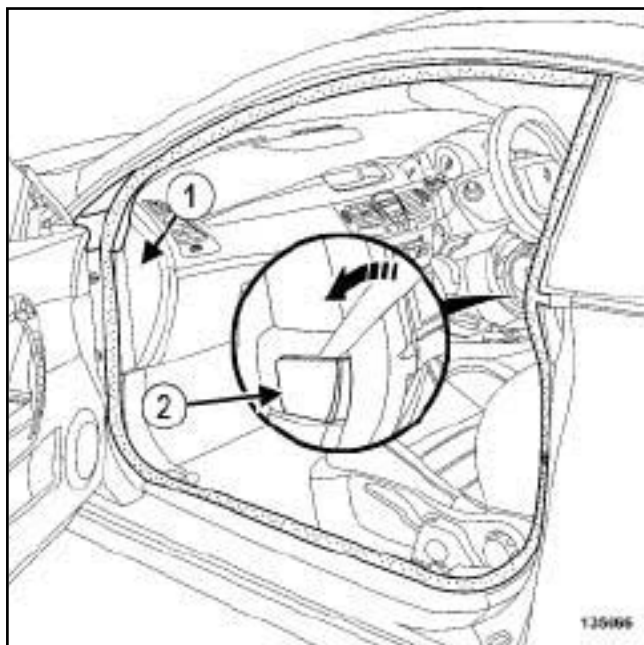
Essential special tooling

Car. 1363 Set of trim removal levers.

REMOVAL

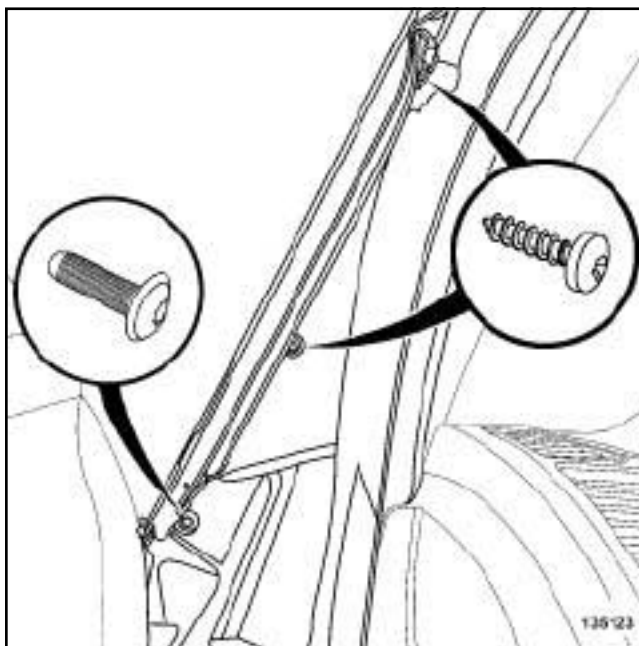
I - REMOVAL PREPARATION OPERATION

- ❑ Remove the front sill panel trim (see **Front door sill lining: Removal - Refitting**) (71A, Body internal trim).

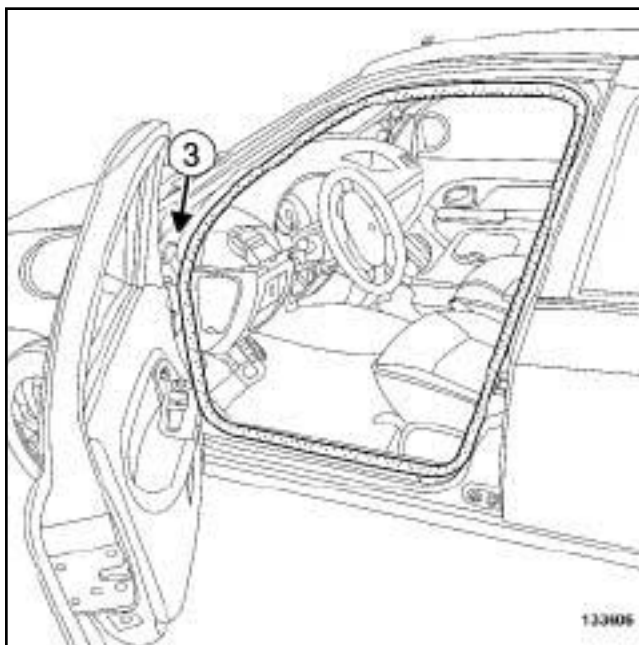


- ❑ Unclip the dashboard side panel (1) .
- ❑ Remove:
 - the blanking cover (2) using the tool (**Car. 1363**),
 - the rear wing panel trim bolt.

II - OPERATION FOR REMOVAL OF PART CONCERNED



- ❑ Remove the bolts in the front section of the front side door seal and mark it.



- ❑ Unclip the front section (3) of the front side door seal.
- ❑ Remove the front side door seal.

OPENING ELEMENT SEALING

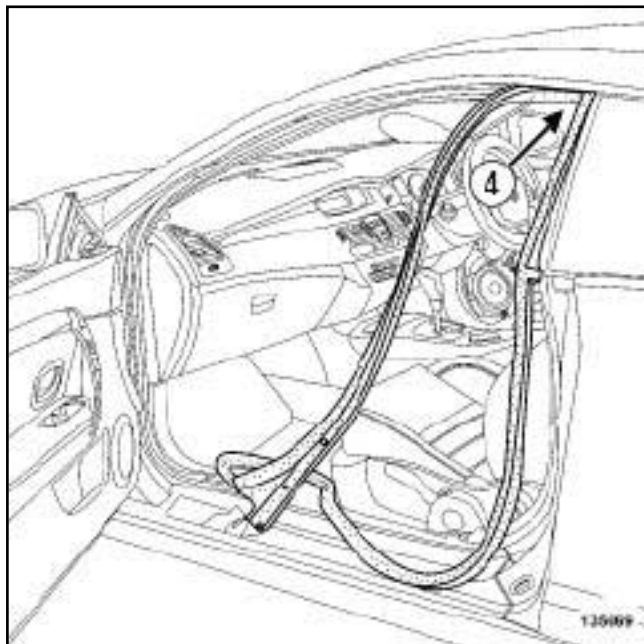
Front side door seal: Removal - Refitting

65A

D91

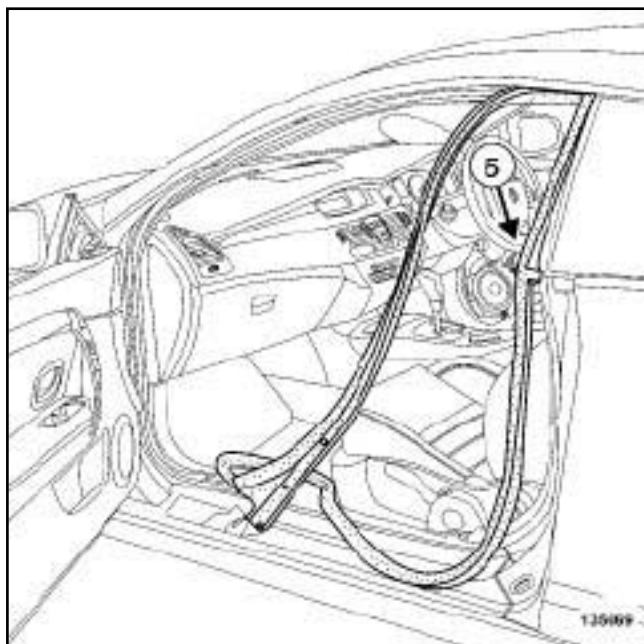
REFITTING

I - REFITTING OPERATION FOR PART CONCERNED



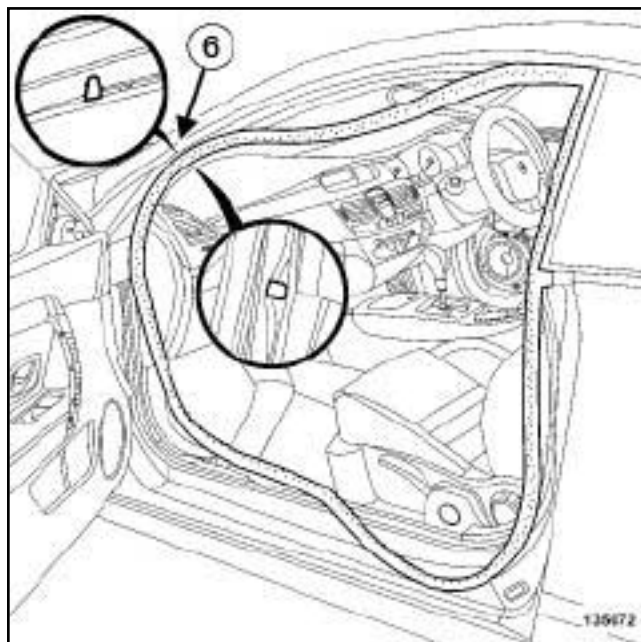
135069

- ❑ Position the front side door seal in the top corner (4)



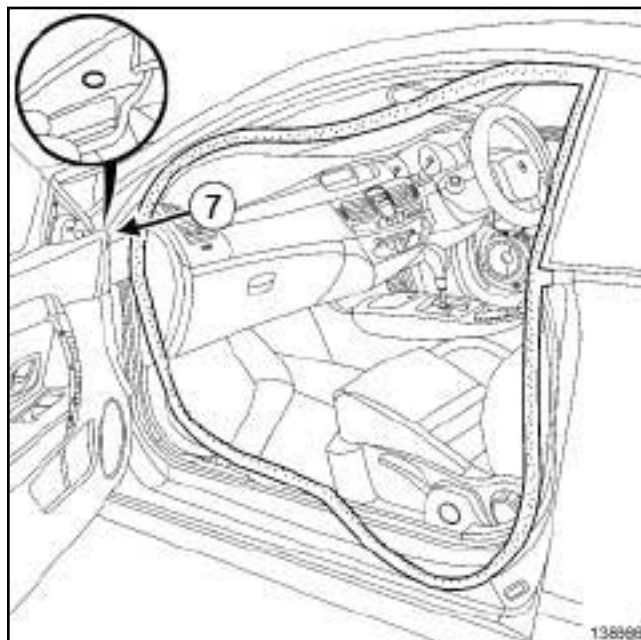
135069

- ❑ Position the front side door seal in the lower section of the rear quarter panel window (5) .
- ❑ Use the tool (**Car. 1363**) to fit the front side door seal under the B-pillar upper trim.



135072

- ❑ Position the front side door seal in its index in the front section (6) .



138666

- ❑ Fit:
 - the front side door seal starting with the index in the front section and moving towards the rear quarter panel window,
 - the front side door seal on its edge.
- ❑ Refit the front side door seal bolts whilst taking care not to invert the bolts.
- ❑ Clip on the front section (7) of the front side door seal.

OPENING ELEMENT SEALING

Front side door seal: Removal - Refitting

65A

D91

II - FINAL OPERATION

- ☐ Check the positioning of the front side door seal in relation to the front side door sliding window.
- ☐ Refit:
 - the rear wing panel trim bolt,
 - the blanking cover **(2)** ,
 - the dashboard side panel **(1)** ,
 - the front sill panel trim (see **Front door sill lining: Removal - Refitting**) (71A, Body internal trim).

OPENING ELEMENT SEALING

Sunroof seal: Removal - Refitting

65A

B91 or K91

Essential equipment

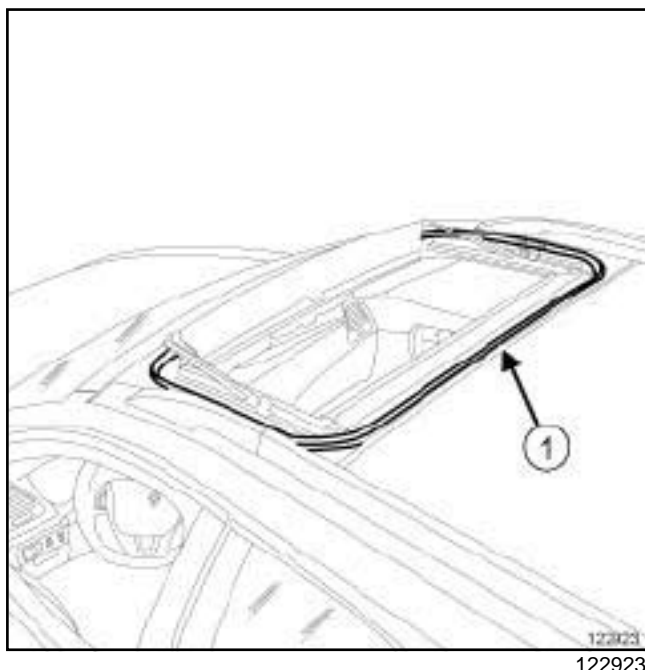
diagnostic tool

REMOVAL

I - REMOVAL PREPARATION OPERATION

- ❑ Remove the mobile sunroof panel (see **Sunroof moving panel: Removal - Refitting**) (52A, Non-side opening element mechanisms).

II - OPERATION FOR REMOVAL OF PART CONCERNED



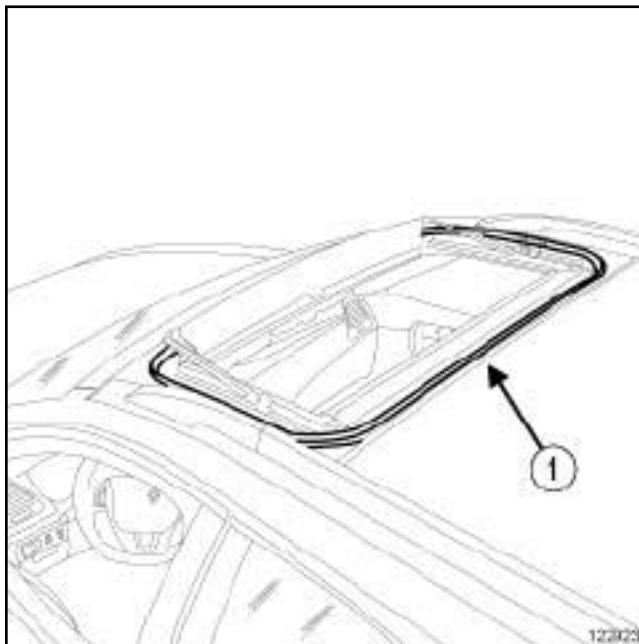
- ❑ Remove the sunroof seal (1) .

REFITTING

I - REFITTING PREPARATION OPERATION

- ❑ Always replace the sunroof seal (1) .
- ❑ Clean the bonding area with **HEPTANE** (see **Vehicle: Parts and ingredients for the repairwork**) (04B, Consumables - Products).

II - REFITTING OPERATION FOR PART CONCERNED



- ❑ Position the sunroof seal joint at the rear central section (1) .
- ❑ Bond the sunroof seal using special adhesive for windows (see **Vehicle: Parts and ingredients for the repairwork**) (04B, Consumables - Products).

III - FINAL OPERATION.

- ❑ Refit the mobile sunroof panel (see **Sunroof moving panel: Removal - Refitting**) (52A, Non-side opening element mechanisms).
- ❑ Apply the after repair procedure using the **diagnostic tool**,
 - connect the **diagnostic tool**,
 - select « UCH » ,
 - go to repair mode,
 - display the « before/after repair procedure » for the computer selected,
 - select « sunroof motor » in the « List of the components controlled by this computer » section,
 - carry out the operations described in the « After repair procedure » section.

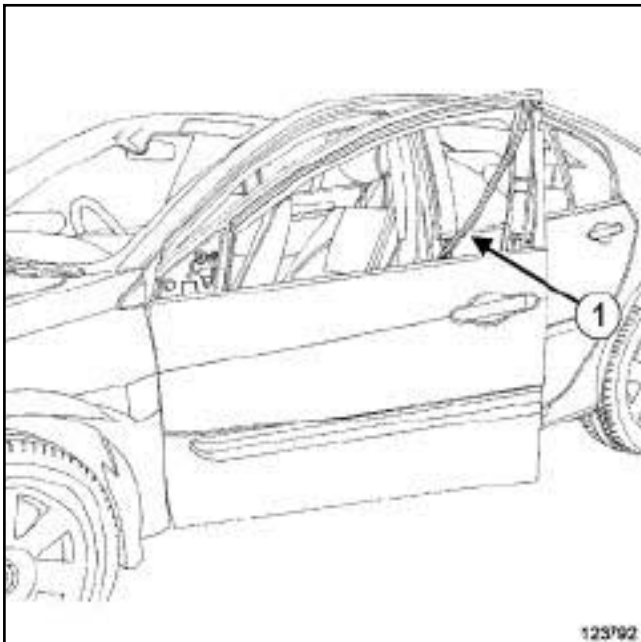
B91 or K91

REMOVAL

I - REMOVAL PREPARATION OPERATION

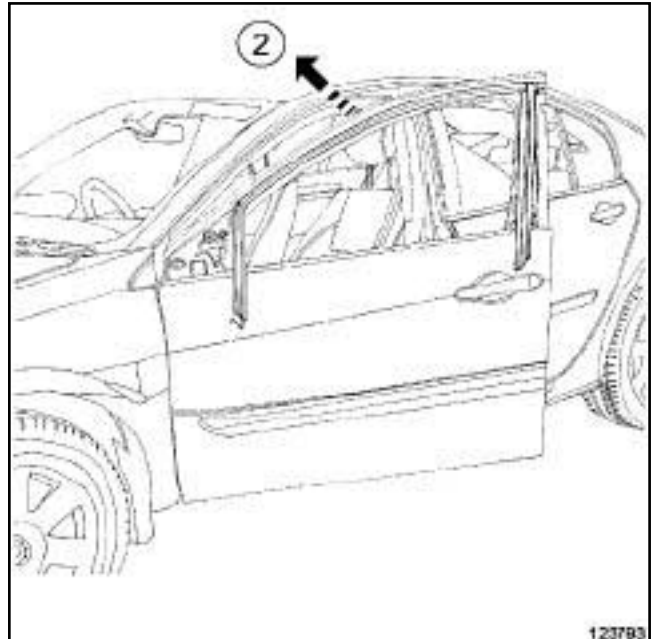
- ☐ Lower the front side door sliding window.
- ☐ Remove:
 - the door mirror (see **Door mirror: Removal - Refitting**) (56A, Exterior equipment),
 - the front side door exterior weatherstrip (see **66A, Window sealing, Front door side exterior weather strip: Removal - Refitting**, page 66A-6) .
 - the front side door pillar exterior trim (see **Front side door pillar exterior trim Removal - Refitting**) (56A, Exterior equipment).

II - OPERATION FOR REMOVAL OF PART CONCERNED



123792

- ☐ Detach the front side door window run channel (1) .

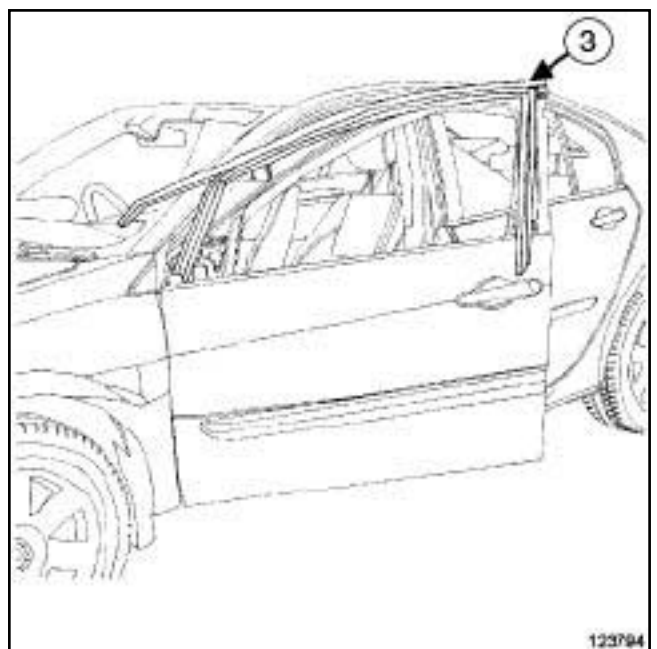


123793

- ☐ Remove the front side door window run channel at (2) .

REFITTING

I - REFITTING OPERATION FOR PART CONCERNED



123794

- ☐ Refit the front door window glass run channel starting with the top section (3) .
- ☐ Fit the front side door window run channel (1) .

B91 or K91

II - FINAL OPERATION.

- ☐ Refit the front side door pillar exterior trim (see **Front side door pillar exterior trim Removal - Refitting**) (56A, Exterior equipment).
- ☐ Refit:
 - the front side door exterior weatherstrip (see **66A, Window sealing, Front door side exterior weather strip: Removal - Refitting**, page 66A-6) .
 - the door mirror (see **Door mirror: Removal - Refitting**) (56A, Exterior equipment).
- ☐ Raise the front side door sliding window.

D91

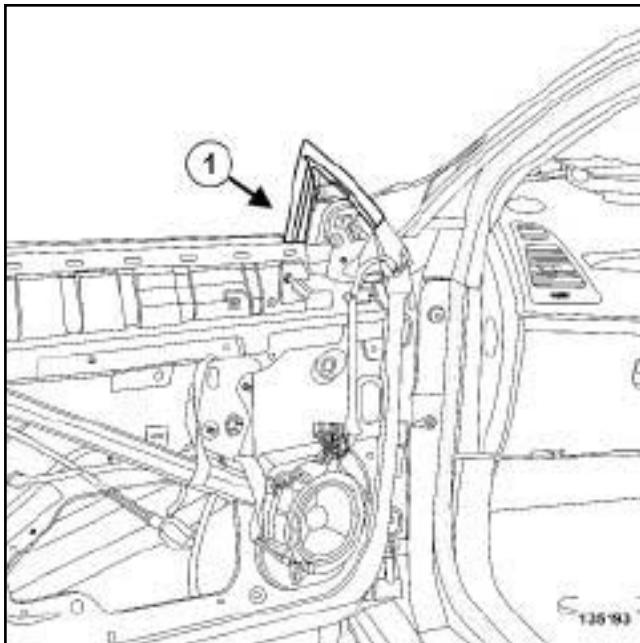
REMOVAL

I - REMOVAL PREPARATION OPERATION

☐ Remove:

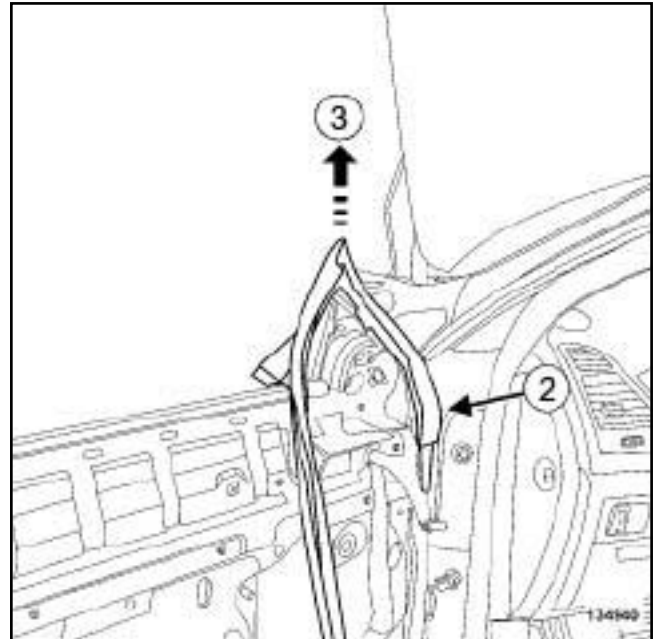
- the front side door trim (see **Front side door trim: Removal - Refitting**) (72A, Side opening element trim),
- the door sealing films (see **65A, Opening element sealing, Door sealing film: Removal - Refitting**, page **65A-1**),
- the front side door sliding window (see **Sliding window in front side door: Removal - Refitting**) (54A, Windows),
- the door mirror (see **Door mirror: Removal - Refitting**) (57A, Interior equipment),
- the front side exterior door weatherstrip (see **66A, Window sealing, Front door side exterior weather strip: Removal - Refitting**, page **66A-6**).

II - OPERATION FOR REMOVAL OF PART CONCERNED



135193

- ☐ Remove the front side door window run channel at (1).



134940

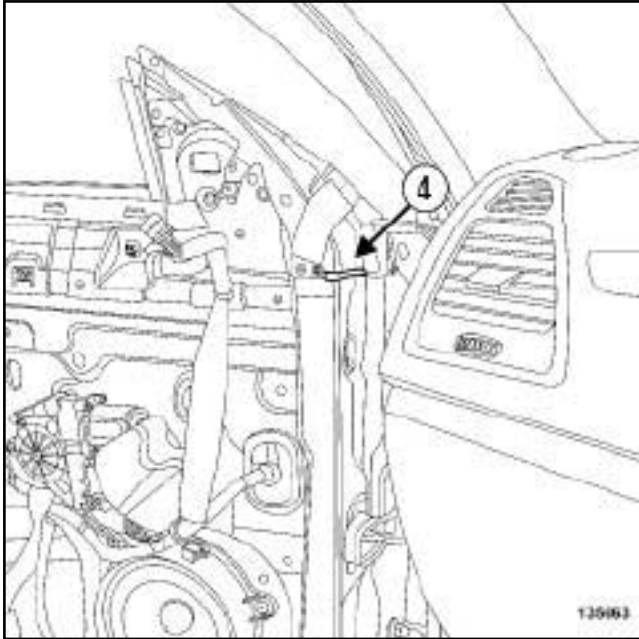
- ☐ Detach the front side door window run channel (2).
- ☐ Remove the front side door window run channel at (3).

REFITTING

I - REFITTING PREPARATION OPERATION

- ☐ parts always to be replaced: Front side door window guide channel (60,04,04,04).

D91

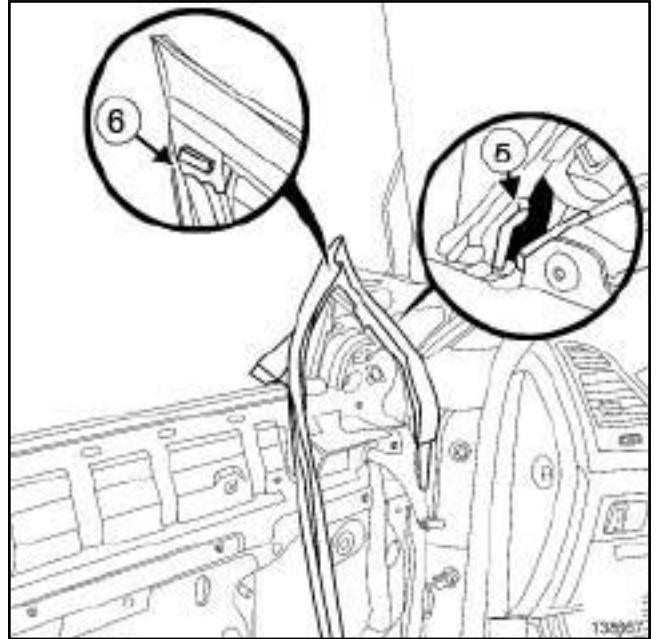


135063

- ❑ Clean the bonding area (4) of the front side door window run channel using a **LINT-FREE CLOTH** soaked in **HEPTANE** (see **Vehicle: Parts and ingredients for the repairwork**) (04B, Consumables - Products).
- ❑ Wipe the bonding area (4) of the front side door window run channel using a clean and dry **LINT-FREE CLOTH**.

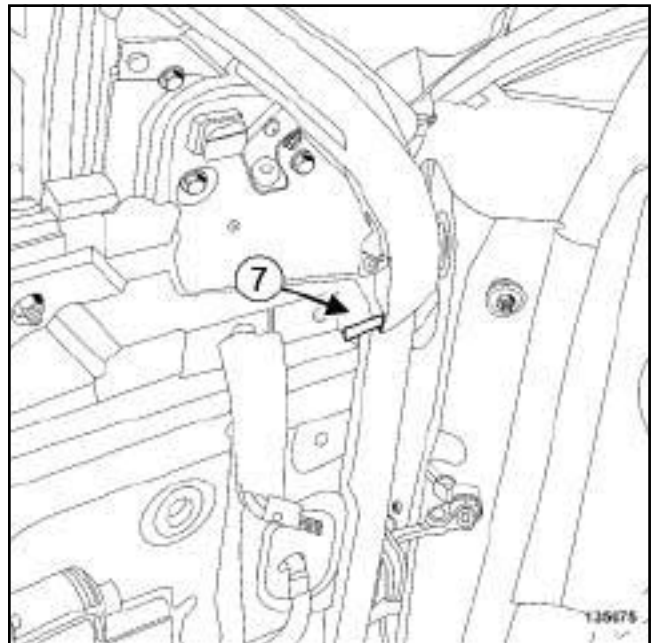
II - REFITTING OPERATION FOR PART CONCERNED

- ❑ Partially refit the front side door window run channel by guiding the slider in the rail of the front side door electric window mechanism.



138667

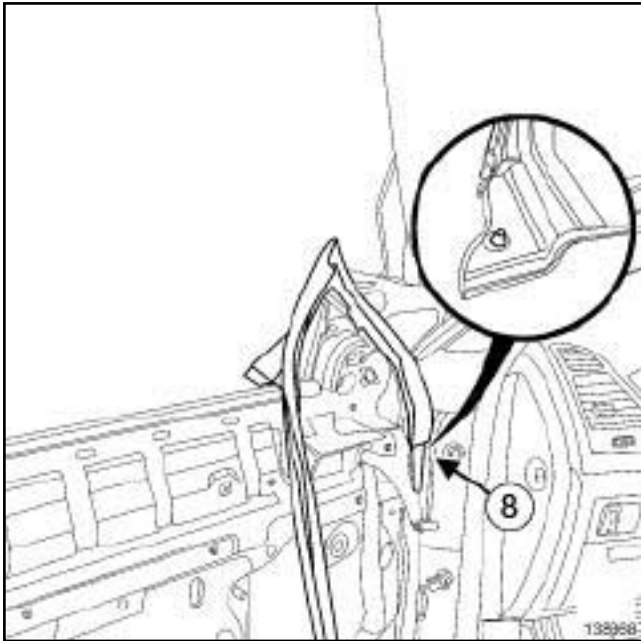
- ❑ Fit the front side door window run channel at (5) .
- ❑ Refit the front side door window run channel at (6) .



135075

- ❑ Remove the protection band (7) from the front side door window run channel.
- ❑ Bond the front side door window run channel whilst ensuring that the part is correctly positioned in the radius.

D91



138668

- ☐ Clip on the front side door window run channel (8) .

III - FINAL OPERATION

- ☐ Refit:
 - the front side door exterior weatherstrip (see **66A, Window sealing, Front door side exterior weather strip: Removal - Refitting**, page 66A-6) .
 - the door mirror (see **Door mirror: Removal - Refitting**) (57A, Interior equipment),
 - the front side door sliding window (see **Sliding window in front side door: Removal - Refitting**) (54A, Windows),
 - the door sealing films (see **65A, Opening element sealing, Door sealing film: Removal - Refitting**, page 65A-1) ,
 - the front side door trim (see **Front side door trim: Removal - Refitting**) (72A, Side opening element trim).

Essential special tooling

Car. 1363

Set of trim removal levers.

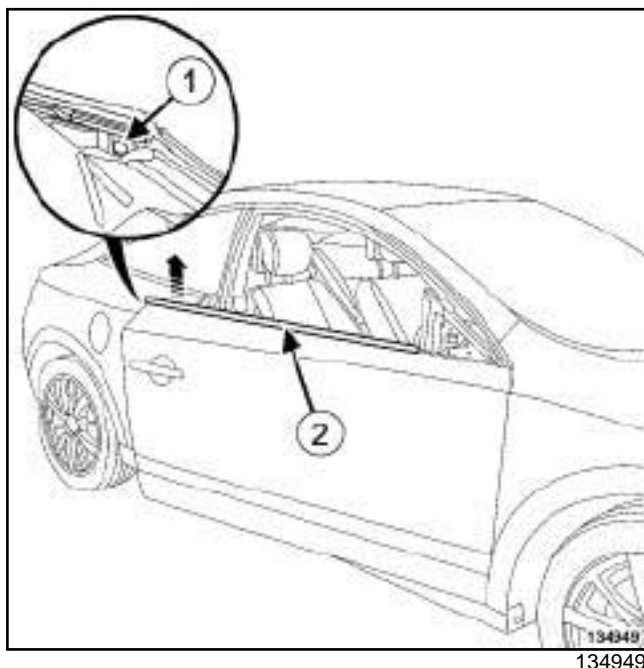
REMOVAL

I - REMOVAL PREPARATION OPERATION

- ☐ Lower the front side sliding door window.

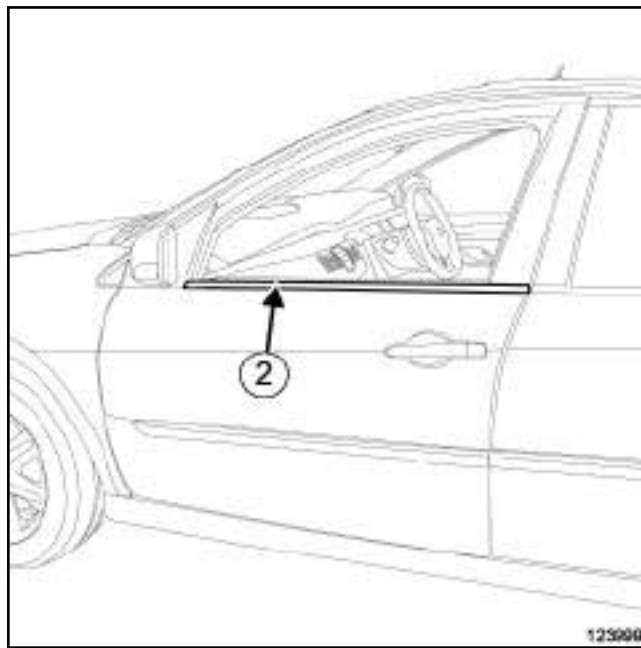
II - OPERATION FOR REMOVAL OF PART CONCERNED

D91



- ☐ Remove the front side exterior door weatherstrip clip (1) .
- ☐ Carefully remove the front side exterior door weatherstrip (2) using the (Car. 1363).

B91 or K91



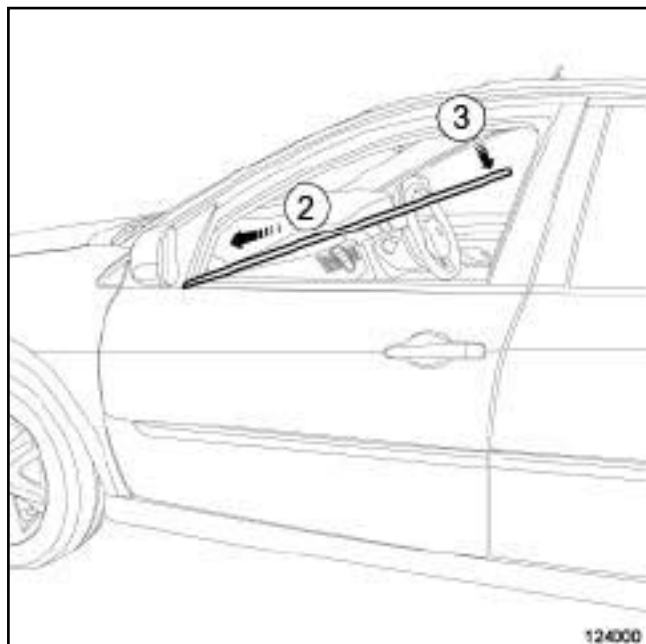
- ☐ Carefully remove the front side exterior door weatherstrip (2) using the (Car. 1363).

REFITTING

REFITTING PREPARATION OPERATION

- ☐ Index the front side exterior door weatherstrip.

I - REFITTING OPERATION FOR PART CONCERNED



- ☐ Refit the front side exterior door weatherstrip at (2) and (3) .
- ☐ Check that the front side exterior door weatherstrip is correctly aligned.

D91

- ☐ Refit the front side exterior door weatherstrip clip (1) .

II - FINAL OPERATION

- ☐ Raise the front side sliding door window.

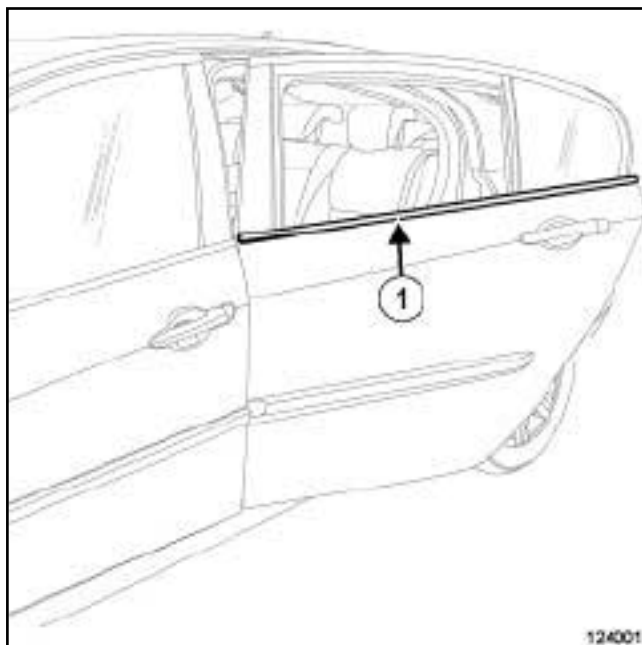
B91 or K91

Essential special tooling

Car. 1363 Set of trim removal levers.

REMOVAL

REMOVAL OPERATION FOR PART CONCERNED



124001

- ☐ Carefully remove the rear side exterior door weatherstrip (1) using the (Car. 1363).

REFITTING

I - REFITTING PREPARATIONS OPERATION

- ☐ Index the rear side exterior door weatherstrip.

II - REFITTING OPERATION FOR PART CONCERNED

- ☐ Refit the rear side exterior door weatherstrip (1).
- ☐ Check that the rear side exterior door weatherstrip is correctly aligned.

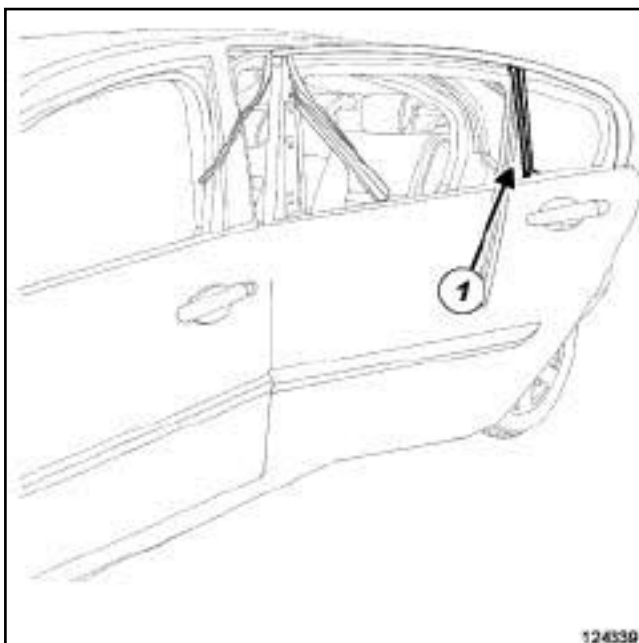
B91 or K91

REMOVAL

I - REMOVAL PREPARATION OPERATION

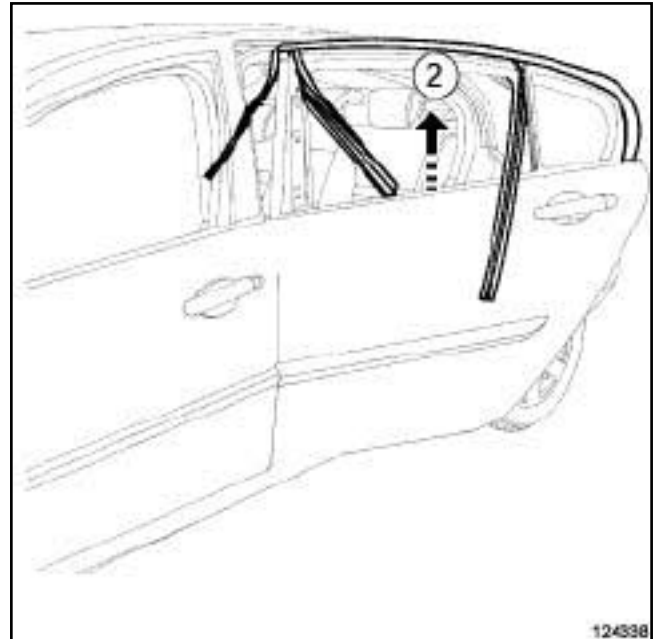
- ☐ Lower the rear side door's sliding window.
- ☐ Remove:
 - the rear side door trim (see **Rear side door trim: Removal - Refitting**) (72A, Side opening element trim),
 - the rear side door interior weatherstrip,
 - the rear side door exterior weatherstrip (see **66A, Window sealing, Rear side door exterior weather strip: Removal - Refitting**, page 66A-8) ,
 - the door sealing film (see **65A, Opening element sealing, Door sealing film: Removal - Refitting**, page 65A-1) ,
 - the door airbag module (see **Seat base lever: Removal - Refitting**) (59A, Safety equipment).
- ☐ Wind the rear side door sliding window down to the bottom of the door box section (see **Sliding window in rear side door: Removal - Refitting**) (54A, Windows).
- ☐ Remove the rear side door pillar exterior trim (see **Rear side door pillar exterior trim Removal - Refitting**) (56A, Exterior equipment).

II - OPERATION FOR REMOVAL OF PART CONCERNED



124339

- ☐ Remove the rear side door window run channel starting at (1) .



124338

- ☐ Remove the rear side door window run channel at (2) .

REFITTING

I - REFITTING OPERATION FOR PART CONCERNED

- ☐ Refit the rear side door window glass run channel.

B91 or K91

II - FINAL OPERATION.

☐ Refit:

- the rear side door pillar exterior trim (see **Rear side door pillar exterior trim Removal - Refitting**) (56A, Exterior equipment),
- the rear side door sliding window (see **Sliding window in rear side door: Removal - Refitting**) (54A, Windows),
- the door airbag module (see **Seat base lever: Removal - Refitting**) (59A, Safety equipment),
- the rear side door exterior weatherstrip (see **66A, Window sealing, Rear side door exterior weather strip: Removal - Refitting**, page **66A-8**),
- the rear side door interior weatherstrip.

☐ Carry out a function test.

☐ Refit the door sealing film (see **65A, Opening element sealing, Door sealing film: Removal - Refitting**, page **65A-1**) .

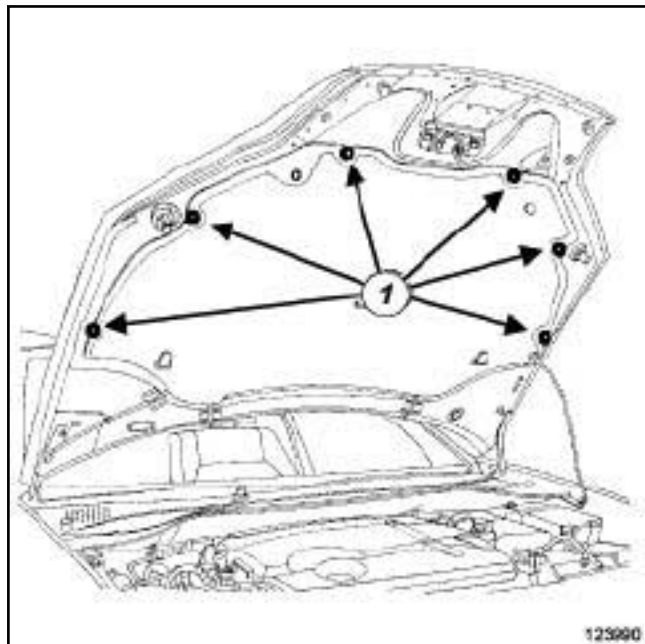
☐ Carry out a sealing test (see **Technical Note 653A**).

☐ Refit the rear side door trim (see **Rear side door trim: Removal - Refitting**) (72A, Side opening elements trim).

Bonnet soundproofing: Removal - Refitting

REMOVAL

OPERATION FOR REMOVAL OF PART CONCERNED

☐ Remove:

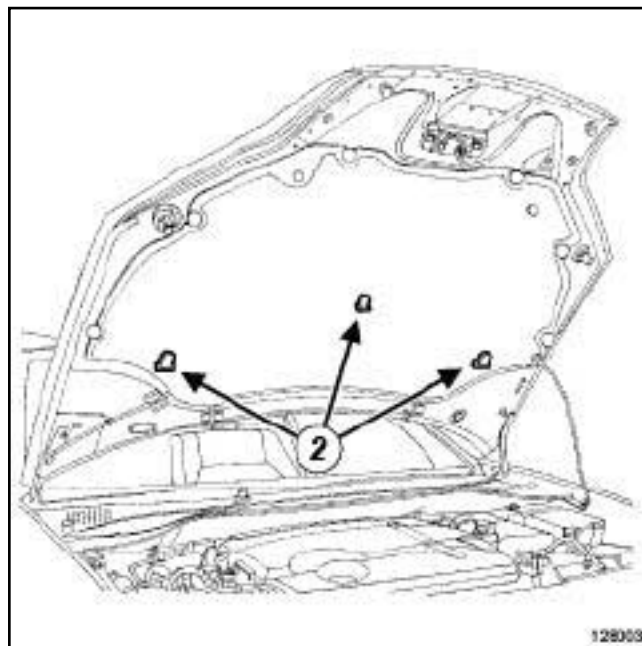
- the clips (1) using an unclipping tool,
- the bonnet soundproofing.

REFITTING

I - REFITTING PREPARATION OPERATION

- ☐
- Replace the clips (1) if necessary.

II - REFITTING OPERATION FOR PART CONCERNED



- ☐
- Position the bonnet soundproofing at (2) .

- ☐
- Refit clips (1) .

Essential equipment

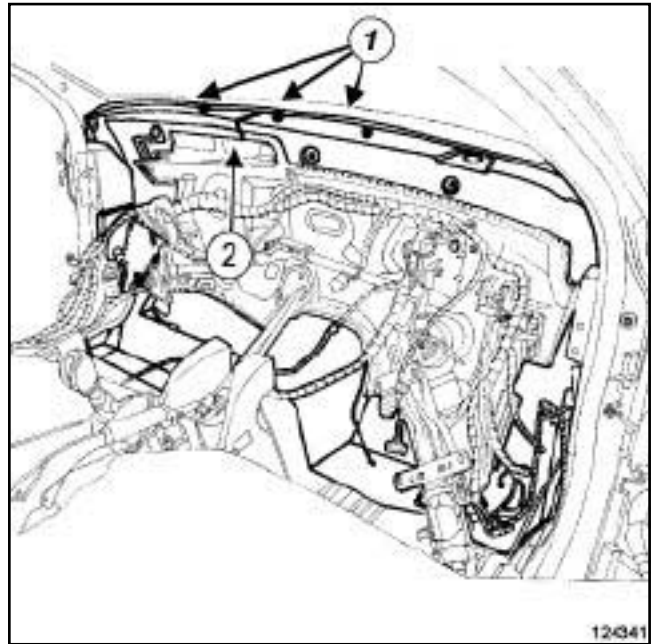
diagnostic tool

REMOVAL

I - REMOVAL PREPARATION OPERATION

- ☐ Apply the before repair procedure using the **diagnostic tool** :
 - connect the **diagnostic tool**,
 - select the airbag computer,
 - go to repair mode,
 - apply the « Before repair procedure » .
- ☐ Disconnect the battery (see **Battery: Removal - Refitting**) (MR 415, 80A, Battery).
- ☐ Remove:
 - the dashboard (see **Dashboard: Removal - Refitting**) (MR 416, 57A, Interior equipment),
 - the dashboard cross member (see **Dashboard cross member: Removal - Refitting**) (MR 416, 42A, Upper front structure),
 - the distribution unit (see **Air distribution unit: Removal - Refitting**) (MR 416, 61A, Heating system),
 - the front door sill linings (see **Front door sill lining: Removal - Refitting**) (MR 416, 71A, Body internal trim),
 - the gear control unit (see **Gear control unit: Removal - Refitting**) (MR 415, 37A, Mechanical component controls).
- ☐ Partially remove the floor carpet.

II - OPERATION FOR REMOVAL OF PART CONCERNED



124341

- ☐ Remove the clips (1) .
- ☐ Cut the bulkhead insulation at (2) .
- ☐ Remove the bulkhead insulation.

REFITTING

I - REFITTING PREPARATION OPERATION

☐

Note:

If the bulkhead insulation needs to be replaced, perform a cut at (2) on the spare part.

II - REFITTING OPERATION FOR PART CONCERNED

- ☐ Refit:
 - the bulkhead insulation,
 - the clips (1) .

Bulkhead insulating material: Removal - Refitting

III - FINAL OPERATION

☐ Refit:

- the floor carpet,
- the gear control unit (see **Gear control unit: Removal - Refitting**) (MR 415, 37A, Mechanical component controls).
- the front door sill linings (see **Front door sill lining: Removal - Refitting**) (MR 416, 71A, Body internal trim).
- the distribution unit (see **Air distribution unit: Removal - Refitting**) (MR 416, 61A, Heating system),
- the dashboard cross member (see **Dashboard cross member: Removal - Refitting**) (MR 416, 42A, Upper front structure),
- the dashboard (see **Dashboard: Removal - Refitting**) (MR 416, 57A, Interior equipment),

☐ Connect the battery (see **Battery : Removal - Refitting**) (MR 415, 80A, Battery).

☐ Apply the after repair procedure using the **diagnostic tool** :

- connect the **diagnostic tool**,
- select the airbag computer,
- go to repair mode,
- apply the « After repair procedure » .