Karosserie-Ausstattung

Body – interior equipment
Carrosserie – équipement intérieur
Carrozzeria – arredamento interno
Carroceria – equipo interior
Kaross-utrustning
Carrosserie binnenuitrusting

cardiagn.com

51 Body – Equipment

Specifications ..... Page 51-0/3

5111000 Complete front bumper – detaching and attaching 11/1
011 Front bumper center section – renewing 11/1
071 Front bumper side section – renewing 11/2
5112000 Complete rear bumper – detaching and attaching 12/1
011 Rear bumper center section – renewing 12/2
201 Rear bumper side section – renewing 12/2
5113000 Center front grille – removing and installing 13/1
040 Side front grille – removing and installing 14/1
333 Rear air outlet trim – removing and installing 13/1
5115330 Rubbing strip on front door – detaching and attaching 15/1
5116000 Mirror on front door – detaching and attaching 16/1
060 Inside mirror – removing and installing 16/1
200 Center compartment – removing and installing 16/1
360 Glove box – removing and installing 16/2
5121000 Front door catch – removing and installing 21/1
090 Front door lock – removing and installing 21/1
120 Remote lock mechanism for front door – removing and installing 21/3
140 Complete front door lock barrel – removing and installing 21/3
170 Outside front door handle – removing and installing 21/4
200 Outside front door handle and lock mechanism – removing and instaling ... 21/4
280 Front door brake – removing and installing 21/5
300 Front door window aperture outer cover strip – detaching and attaching 21/5
5123110 Engine compartment lock – removing and installing 23/1
200 Lever with mount for engine compartment lock – removing and installing 23/1
210 Engine compartment lock cable – removing and installing 23/2
5124004 Luggage compartment lid catch – adjusting 24/1
050 Luggage compartment lid catch – removing and installing 24/1
100 Luggage compartment lock – removing and installing 24/1
341 Torsion bar spring for luggage compartment lid – renewing 24/2
5131000 Complete windshield – removing and installing 31/1
001 Windshield – renewing 31/1
200 Rear window – removing and installing 31/3
221 Rear window – renewing 31/3

5132020 Door window crank mechanism – removing and installing 32/1
040 Window lift rail holder – removing and installing 32/1
080 Window slide rail – removing and installing 32/2
120 Front window guide rail in front door – removing and installing 32/2
125 Rear window guide rail in front door – removing and installing 32/3
154 Door window – adjusting 32/4
170 Front door window – removing and installing 32/4
390 Window frame trim – detaching and attaching 32/4
5136050 Rear side window – removing and installing 36/1
071 Rear side window – renewing 36/1
5141000 Door trim – detaching and attaching 41/1
060 Front door armrest – detaching and attaching 41/1
5143000 Rear side panel trim – removing and installing 43/1
5145030 Facia trim – removing and installing 45/1
180 Lower facia trim – detaching and attaching 45/3
200 Lower center right facia trim – detaching and attaching 45/3

cardiagn.com

Specifications

Body – equipment and trim

Model	320/6 320/6 A	323 i 323 i A *)
Selected adhesives, sealing compounds and related products		
Application area	**Adhesive**	
Door seals	Teroson 2444 A	
Roof lining to body	Tivogum 7361, Herberts 3150	
Floor carpet and noise-absorbent underlay	Tivogum 7361	
Floor covering to body	Tivogum 7361	
Felt strip behind rear seat	Tivogum 7361, Teroson 2444 T	
'Acella' foil on door	Tivogum 7421/12	
PVC foil/heat resistant up to 100°C (212°C)	Terokal transparent	
Sealing area	**Sealants**	
Windshield and rear window	Terolan 2322 glass cement, Teroson, Terodicht light	
Body panel seams	Terolan 3531	
Sound deadening and protection against flying stones	**Body panel treatment**	
Body – underseal	Terophon 80 light	

*) Version for Sweden

cardiagn.com

51 11 000 Complete front bumper – detaching and attaching

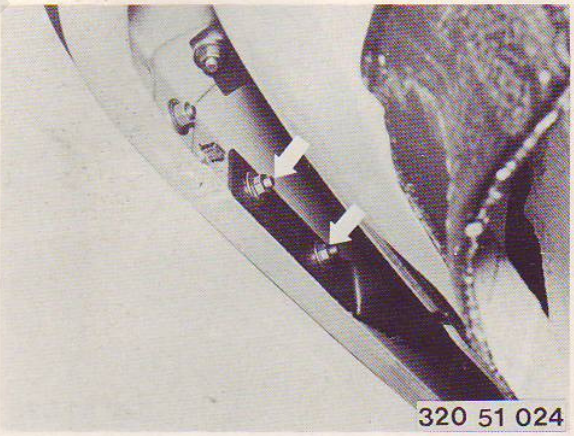
Remove bolts in left and right wheel arches.



When installing: **Check condition of rubber between wheel arch and bumper and renew if necessary.**

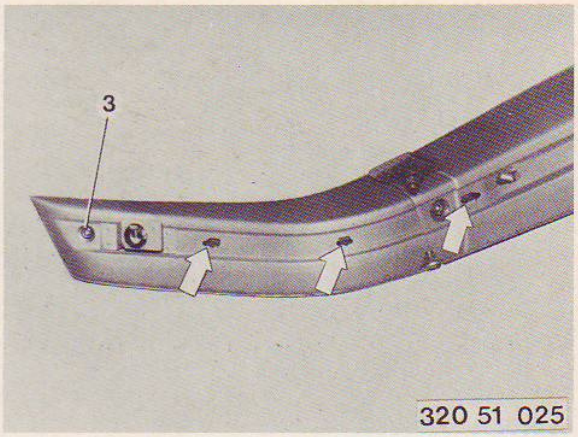


Remove nuts on both sides and take off bumper.

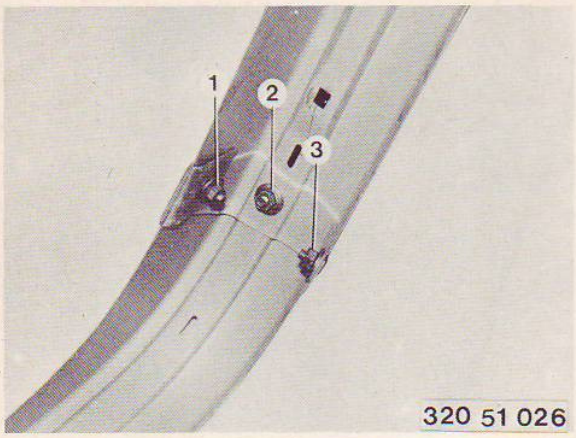


51 11 011 Front bumper center section – renewing

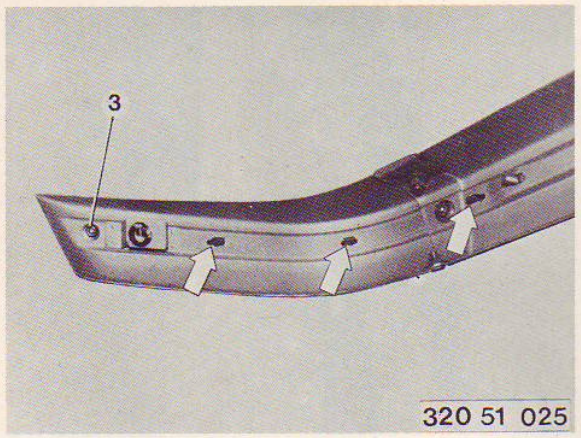
Detach complete front bumper – 51 11 000.
Remove nuts (3) on both bumper side sections.
Press out the retaining clips and take off the rubber strip.
When installing: **Check condition of clips and renew if necessary. Make sure that the retaining clips are correctly seated.**



cardiagn.com

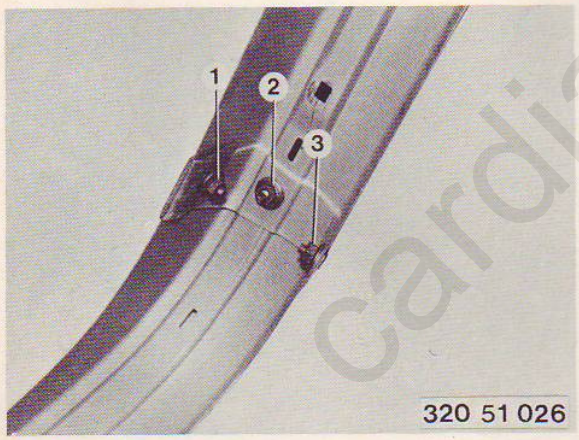


Remove nuts (1 – 3) at left and right and detach side sections from center section of front bumper.



51 11 071 Front bumper side section – renewing

Detach complete front bumper – 51 11 000. Remove nut (3) on side section of bumper. Press out the retaining clips for the rubber strip until the side section is relaeased.
When installing: **Make sure the retaining clips are correctly seated.**

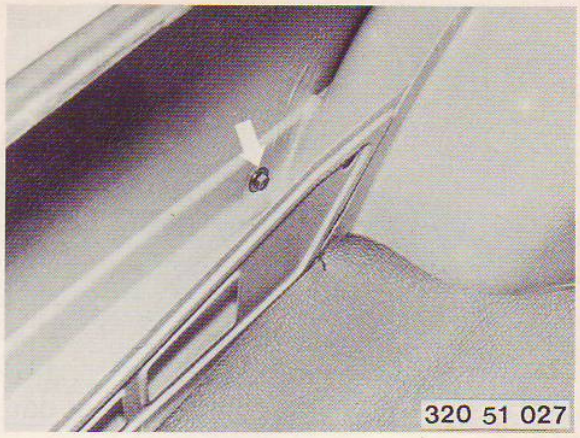


Remove nuts (1–3) and take off the side section of the bumper.

cardiagn.com

51 12 000 Complete rear bumper – detaching and attaching

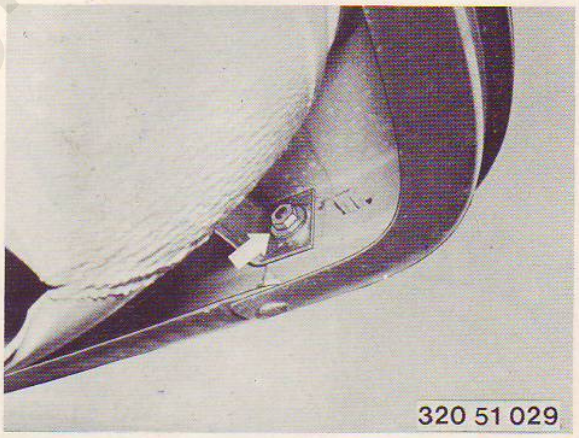
Remove screws at left and right in luggage compartment.



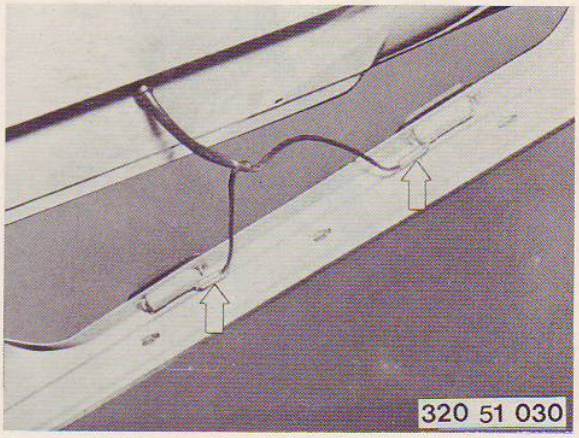
When installing: **Check condition of rubber between wheel arch and bumper and renew if necessary.**



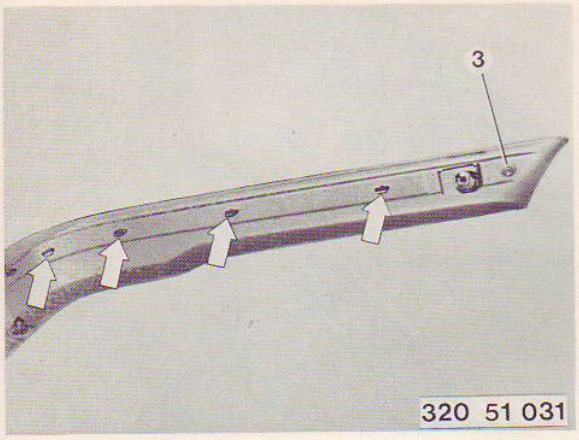
Remove nuts on both sides.



Pull off license plate light cables and take off bumper.

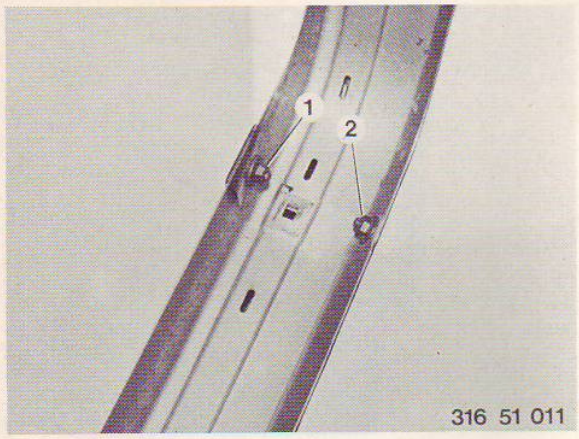


cardiagn.com

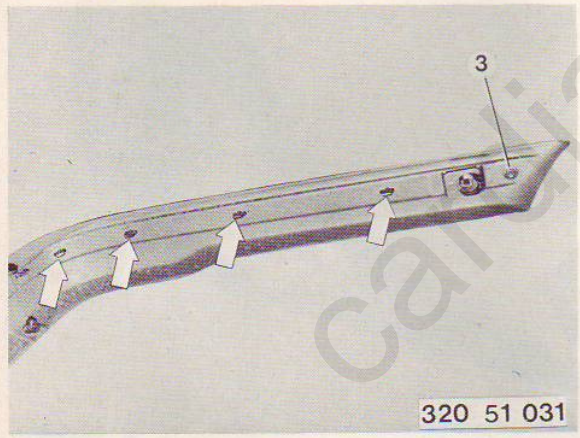


51 12 011 Rear bumper center section – renewing

Detach the complete rear bumper – 51 12 000. Remove nuts (3) from both bumper side sections. Press out the retaining clips and take off rubber strip.
When installing: **Check condition of retaining clips and renew if necessary. Make sure that the clips are correctly seated.**

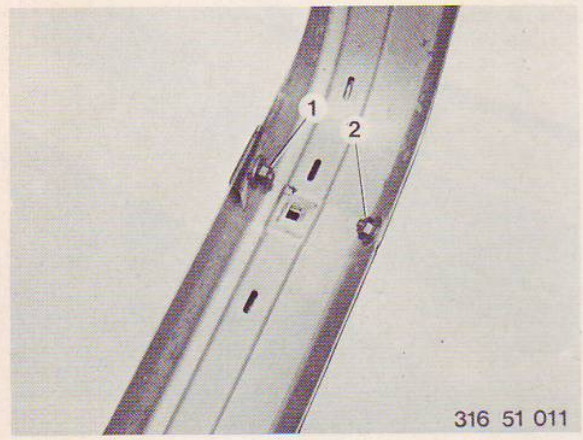


Remove nuts (1 and 2) at left and right and separate the side sections from the center section of the bumper. Transfer the license plate lights to the new bumper.



51 12 201 Rear bumper side sections – renewing

Detach the complete rear bumper – 51 12 000. Remove nut (3) on the side section of the bumper. Press out the retaining clips for the rubber strip until the side section is released.
When installing: **Make sure the retaining clips are correctly seated.**

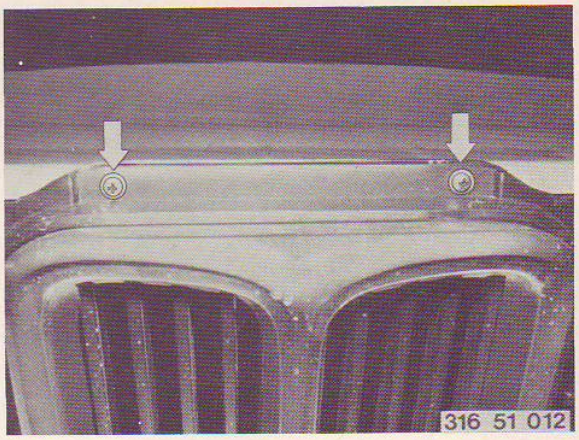


Remove nuts (1 and 2) and take off the bumper side section.

carlagn.com

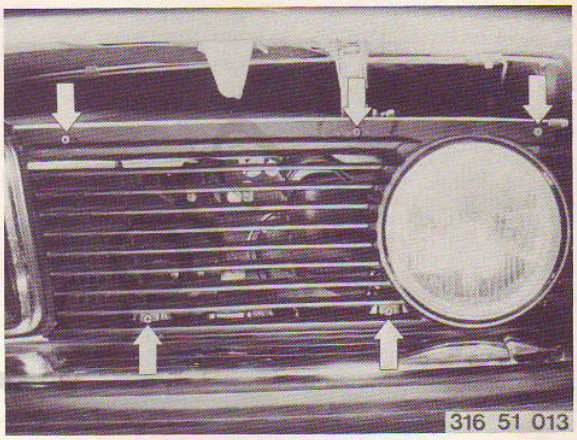
51 13 000 Center front grille – removing and installing

Open the engine compartment lid, remove the screws and take off the center front grille.



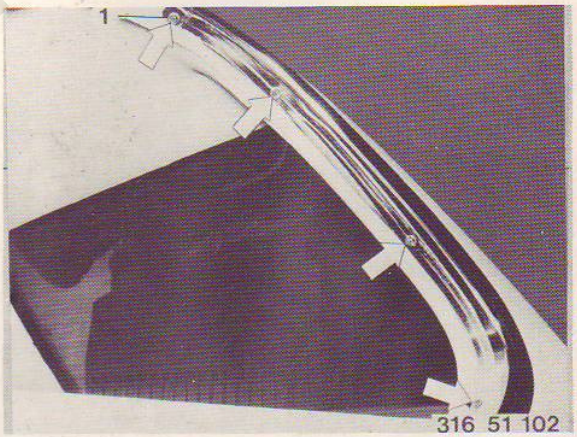
51 13 040 Side front grille – removing and installing

Remove the complete front turn indicator – 63 13 150.
Remove screws and take off side front grille.

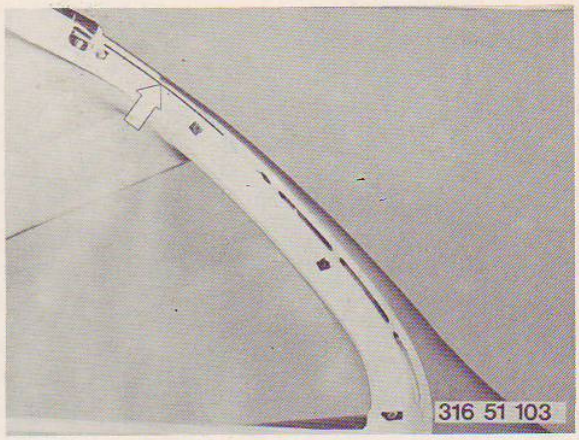


51 13 333 Rear air outlet trim – removing and installing

Remove rear side window – 51 36 050. Take out screw (1) and push the sleeve forwards.
Take out the remaining screws and remove the trim.



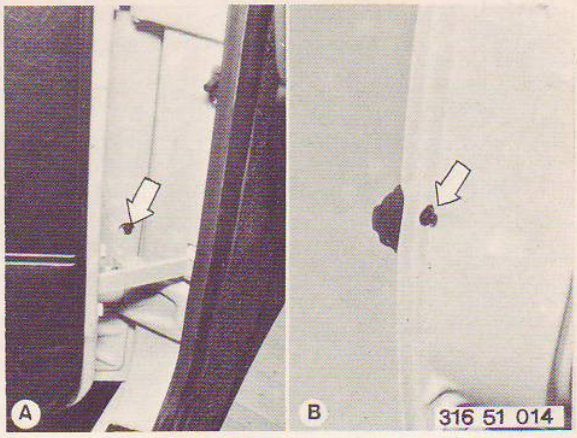
When installing: **Insert a "Terostat" cord seal at the outer edge.**



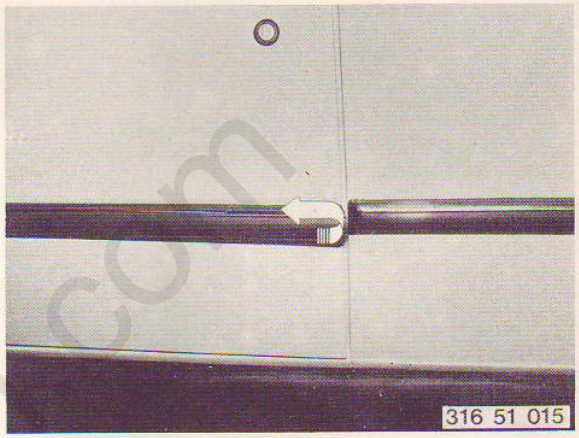
carcagn

51 15 330 Rubbing strip on front door – detaching and attaching

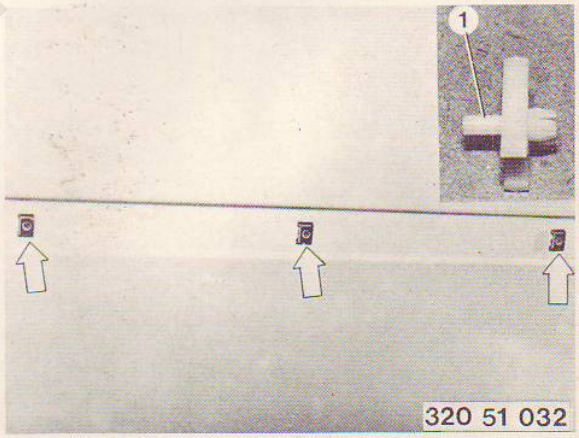
Remove cap nuts.
A = front
B = rear



Lift the rubbing strip away from the clips.
When installing: **The taper outer edges must be parallel to the outer edges on the next sections of rubbing strip.**



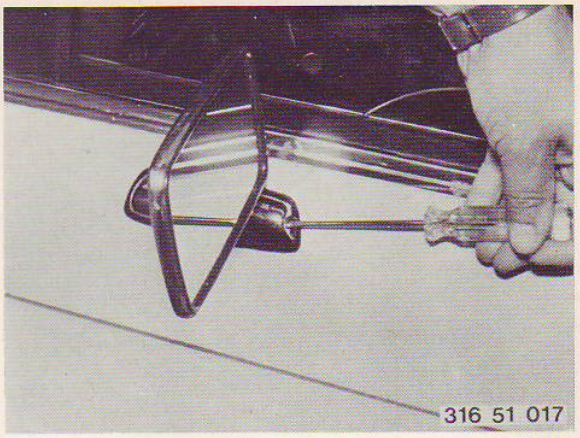
When installing: **Check trim clips and renew if necessary by detaching door trim, pressing out peg (1) from the inside and pulling out the clips.**



cardiagn.com

51 16 000 Mirror on front door – detaching and attaching

Fold back the rubber cover. Loosen the screw and take off the mirror.
When installing: **Make sure the rubber base pad is correctly seated.**



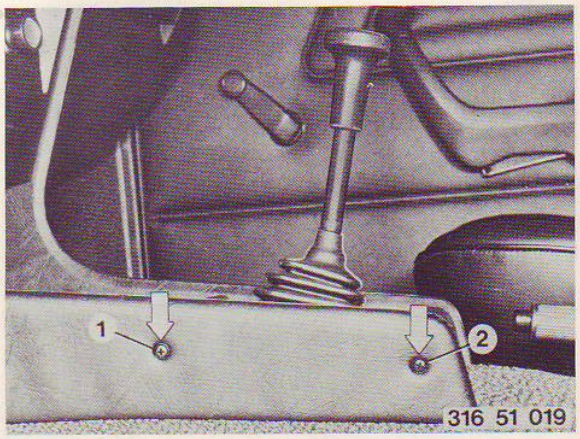
51 16 060 Inside mirror – removing and installing

Pull the mirror away to the rear.

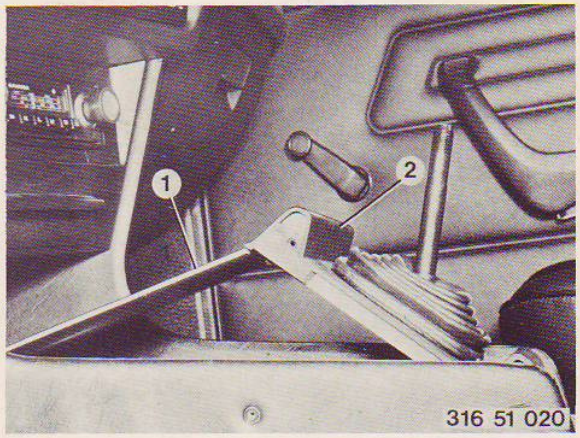


51 16 200 Center compartment – removing and installing

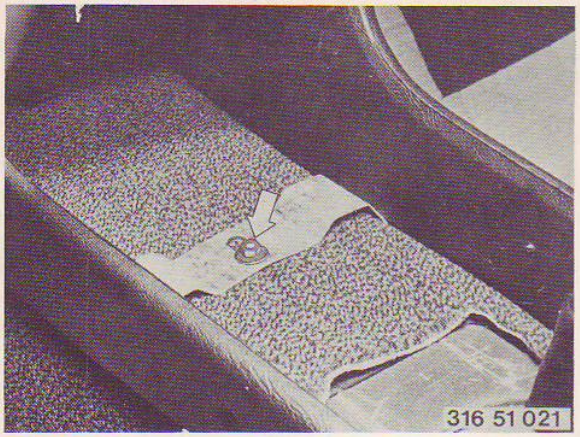
Remove screws (1 and 2) on the left and right sides of the compartment.



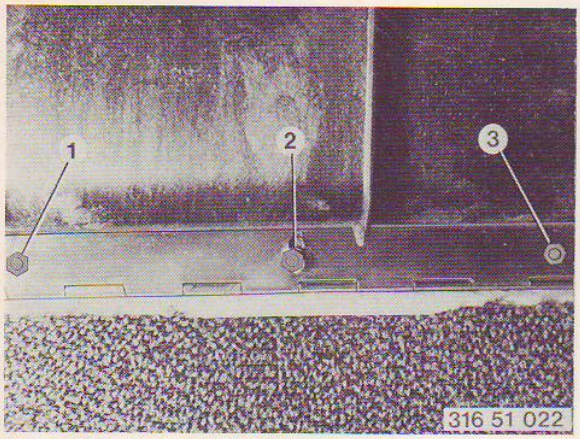
Unscrew the gear lever knob.
Remove the compartment floor (1) and the gear lever cover (2).



cardiagn

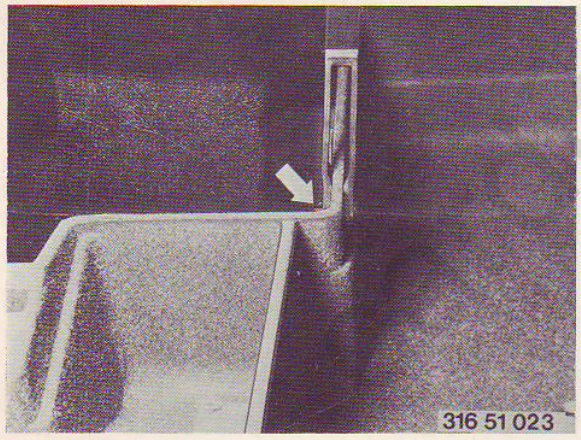


Unscrew the nut and take out the retaining plate. Disconnect the plug for the ashtray light. Pull the compartment out to the rear.
Note: **If a radio is installed, detach the antenna lead, earth (ground) lead, power supply and loud speaker leads.**



51 16 360 Glove box – removing and installing

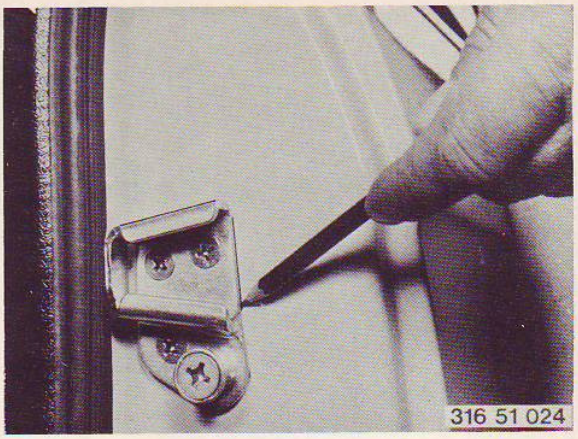
Remove bolts (1 to 3).



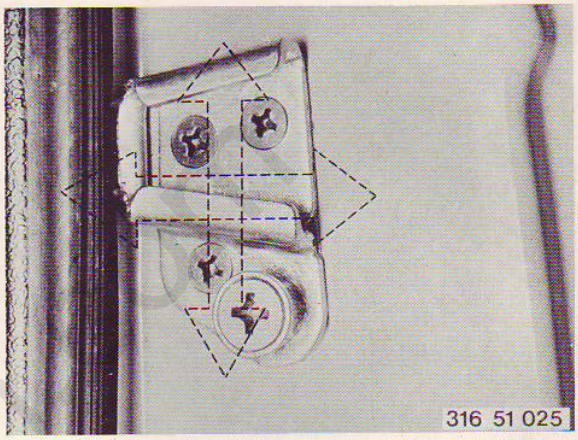
Press the plastic rivets (right and left) together and pull out. Remove the glove box.

51 21 000 Front door catch – removing and installing

Remove the left rear side panel trim – 51 43 000.
Mark the installed position of the door catch with a pencil. Remove all screws holding the door catch.
Warning: **Hold the threaded plate.**

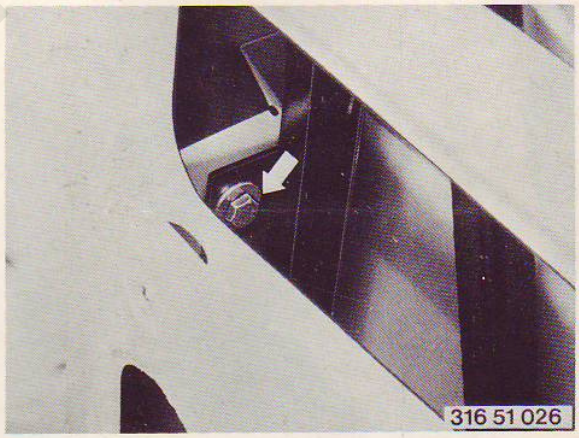

316 51 024

When installing: **Screw the door catch into position without tightening, and align with the door lock. Adjust the catch until the outer panel of the door is approx. 1 mm (0.04 inch) higher than the rear side panel when the door is closed.**
Use a shim plate if necessary.

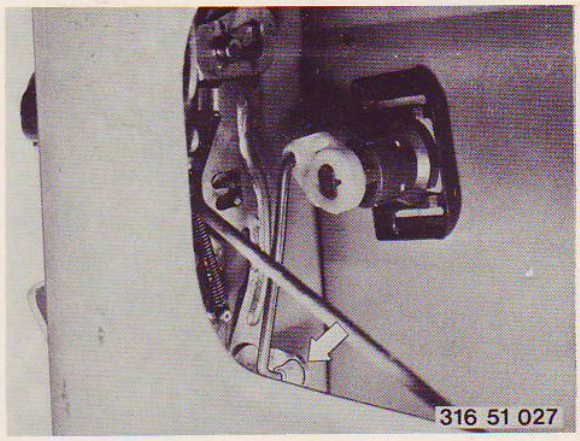

316 51 025

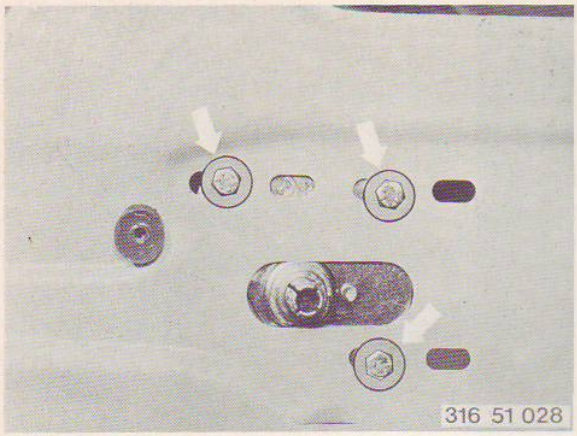
51 21 090 Door lock – removing and installing

Detach the door panel trim – 51 41 000.
Remove the "Acella" sheet as far as necessary.
Remove the bolt holding the rear windows guide rail.
Pull the window guide partly out of the rail, and remove the window guide rail downwards.

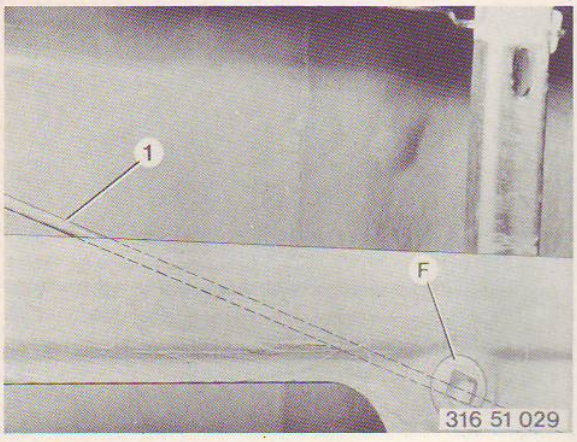

316 51 026

Lift out the connecting rod between the door lock and lock barrel.

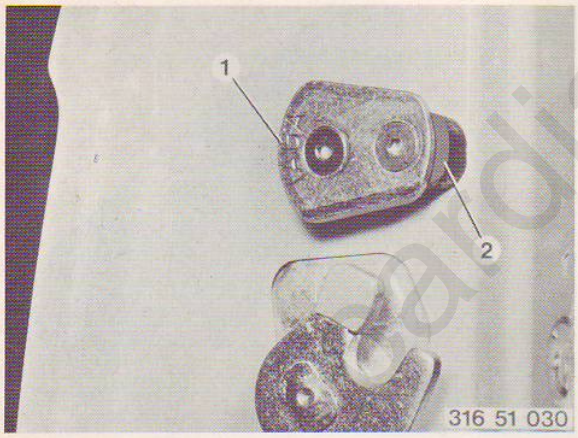

316 51 027



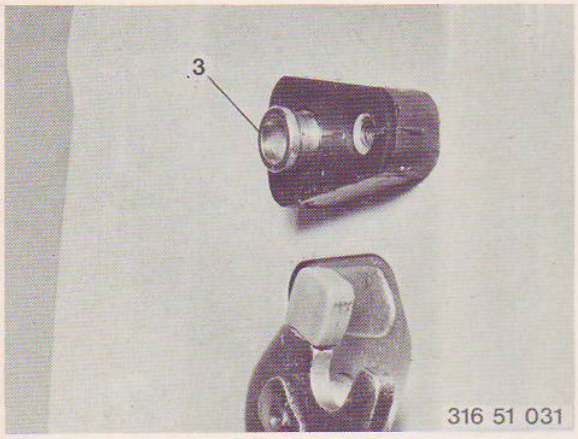
Remove the bolts holding the remote door lock mechanism.



Detach connecting rod (1) from guide clip (F).



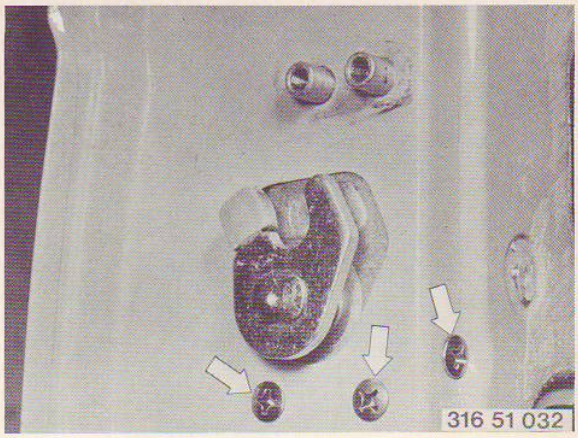
Remove screws and take off clamp plate (1) and guide pad (2).



When installing: **Insert bushing (3) into guide pad.**

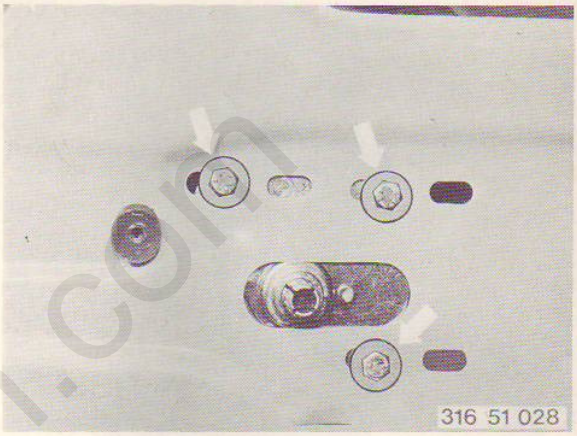
cardiagn.com

Close the rotary striker.
Remove the screws.
Detach the remote lock operating mechanism and remove the door lock.



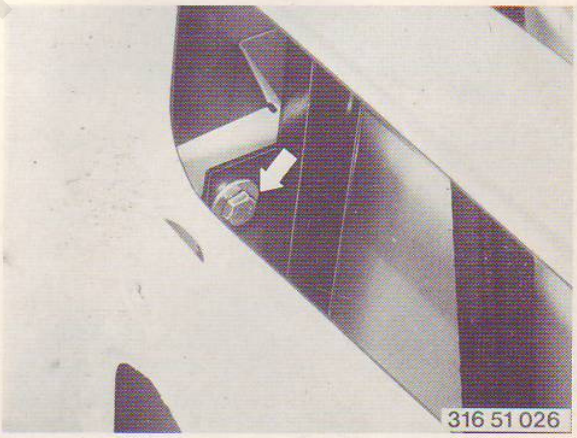
51 21 120 Remote door lock operating mechanism – removing and installing

Detach the door panel trim – 51 41 000. Remove the "Acella" sheet as far as necessary.
Remove the bolts.
Detach the connecting rod.

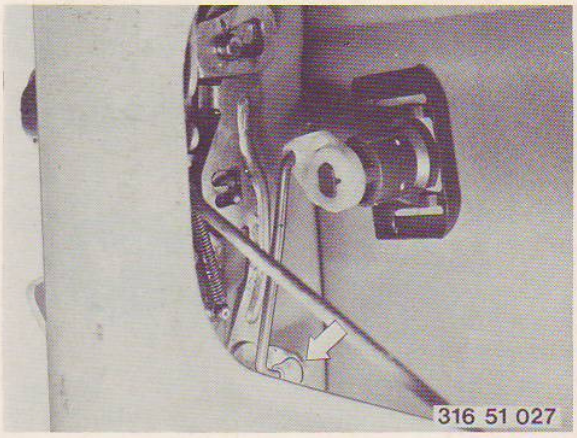


51 21 140 Complete lock barrel – removing and installing

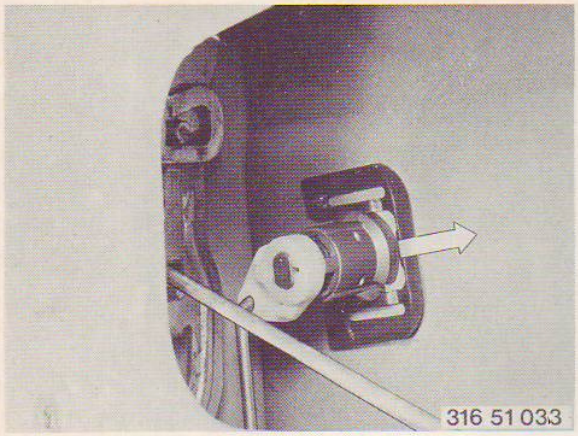
Detach the door panel trim – 51 41 000.
Remove the "Acella" sheet as far as necessary.
Remove the bolt holding the rear window guide rail.
Partly lift the window guide out of the rail and remove the window guide rail downwards.



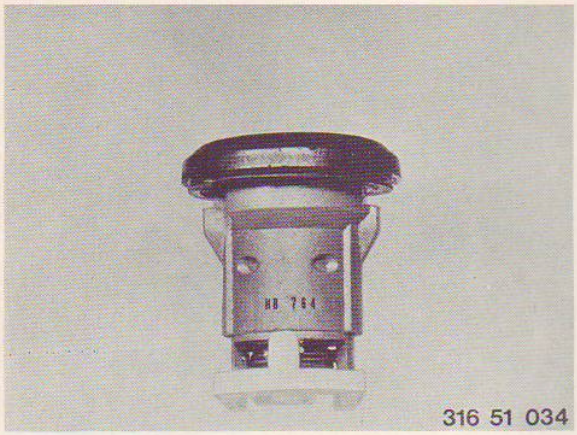
Detach the connecting rod between the door lock and the lock barrel.



carDiagn.com



Pull out the lock barrel keeper.
Remove the lock barrel towards the outside of the door.

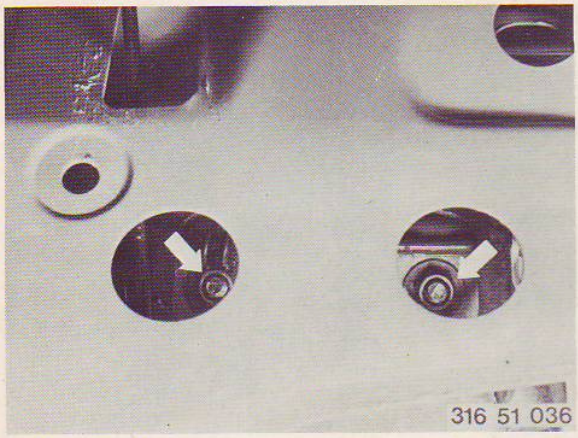


The key number can be seen when the lock barrel has been removed.



51 21 170 Outside door handle – removing and installing

Separate the outside door handle from the lock mechanism.

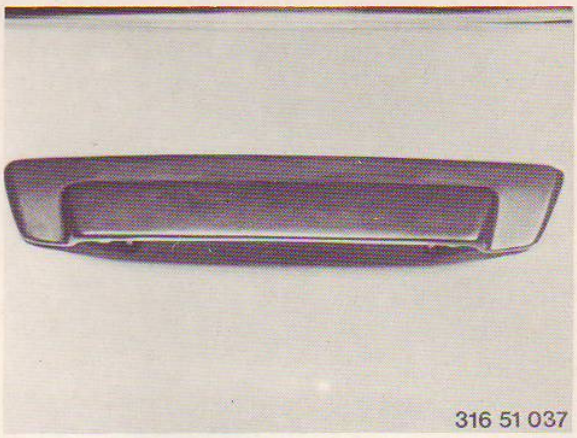


51 21 200 Outside door handle and lock operating mechanism – removing and installing

Remove the outside door handle – 51 21 170.
Detach the door panel trim – 51 41 000.
Pull off the "Acella" sheet as far as necessary.
Detach the lock operating mechanism.

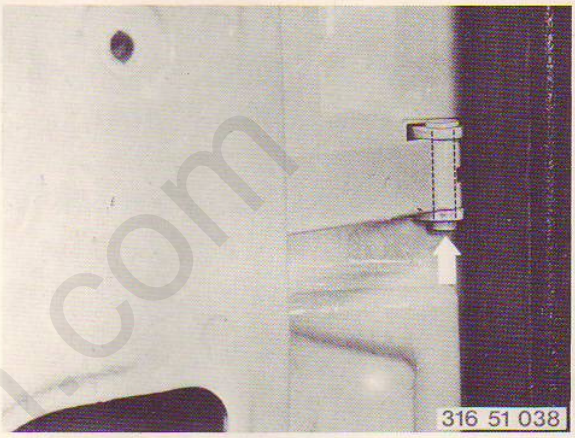
carmagn.com

When installing: **Align the lock mechanism with the outside door handle.**

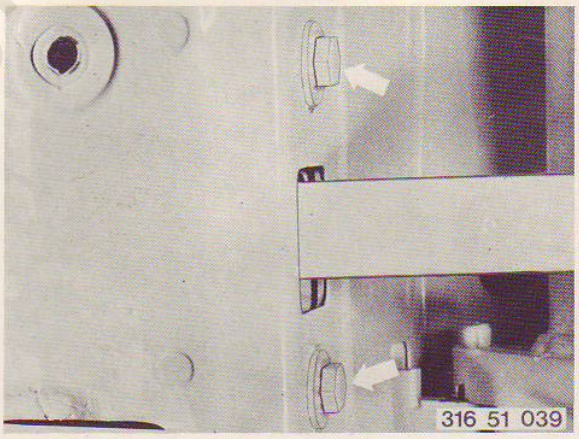

316 51 037

51 21 280 Door brake – removing and installing

Detach the door panel trim – 51 41 000.
Pull off the "Acella" sheet as far as necessary.
Drill the door brake pin from below, and pull out.
When installing: **Rivet the door brake pin into position.**

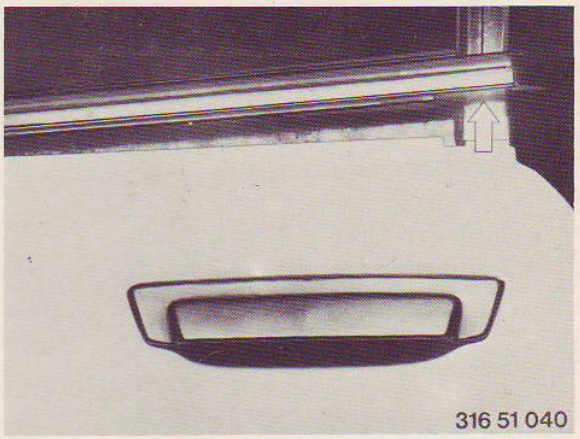

316 51 038

Remove the bolts and take off the door brake towards the inside of the door.
When installing: **The door brake should be set to the second notch.**


316 51 039

51 21 300 Outer window aperture cover strip – detaching and attaching

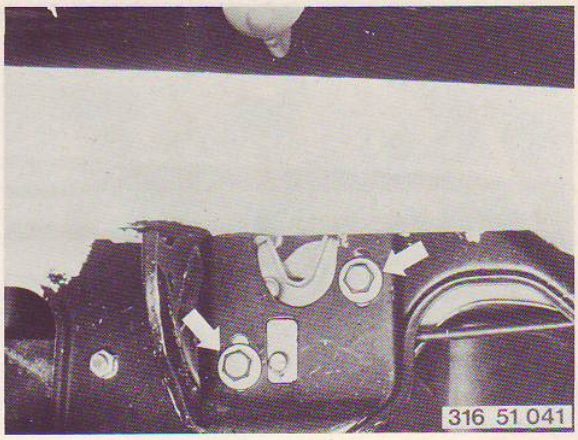
Strike the window aperture cover strip gently with a hardwood block to remove.
Warning: **Apply adhesive tape to the window frame surround to prevent scratching.**


316 51 040

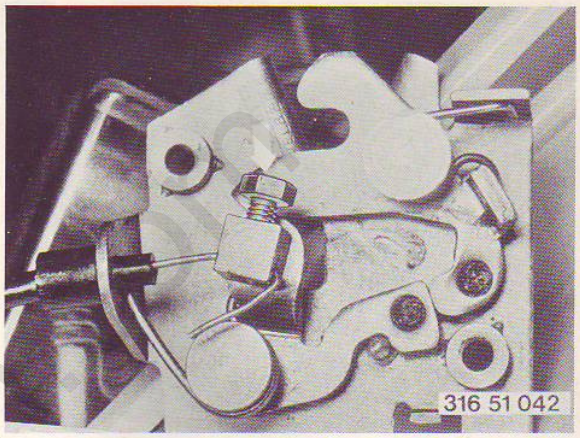
cardiagn.com

51 23 110 Engine compartment lid lock – removing and installing

Detach the front grille – 51 13 010.
Disconnect the lock cable.
Mark installed position of lock and remove bolts.

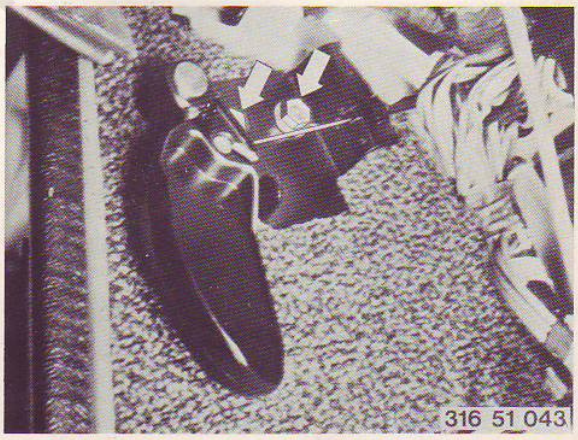


When installing: **Push the engine compartment lid lock handle fully forwards and attach the wire cable in this position.**
Bend over the projecting end of the wire.

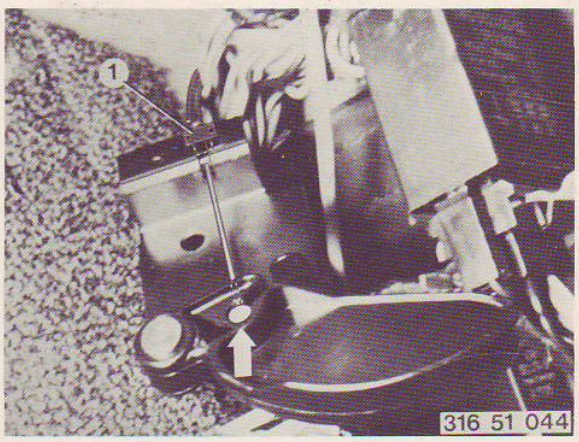


51 23 200 Lever with mount for engine compartment lock – removing and installing

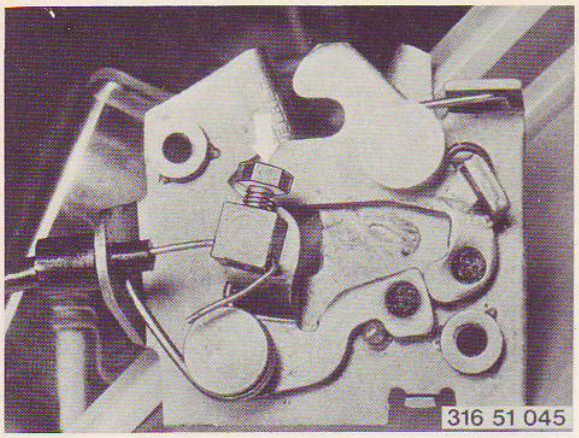
Detach the lower left facia trim – 51 45 180.
Remove the bolts.



Press out clip (1).
Detach wire cable from lever.



cardiagn

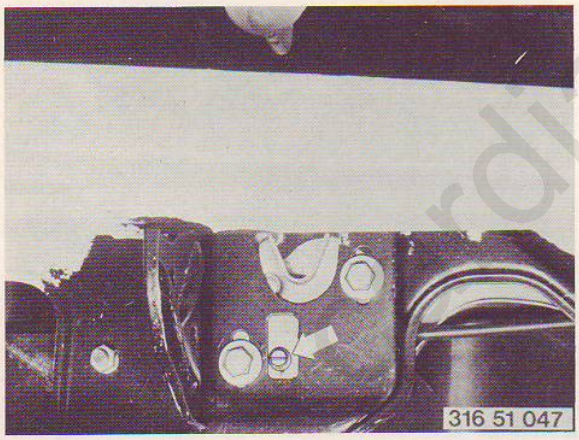


51 23 210 Engine compartment lid lock cable – removing and installing

Detach the lower left facia trim – 51 45 180. Disconnect the wire cable at the lock.



Pull the cable out of the mounting, clip and cable strap. Detach the cable from the lever and pull out of the rubber sleeve.

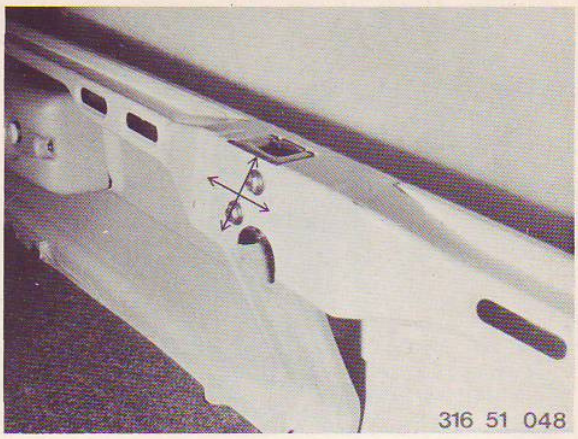


Warning: **If the cable breaks when the lid is shut, the lid can be opened by slackening the locking screw.**

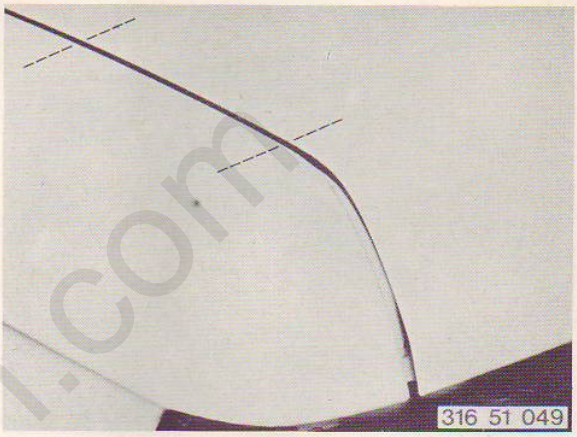
rdlan.com

51 24 004 Luggage compartment lid catch – adjusting

Loosen the bolts and move the lower part of the lock in its slots.

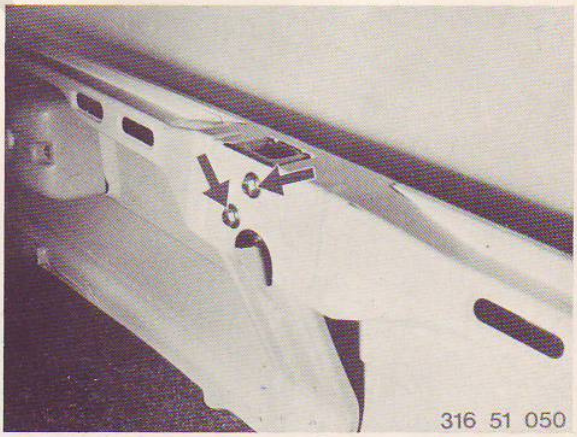


Adjust the lid catch so that the outer edges of the lid are at the same level as the inner edges of the rear side panels.



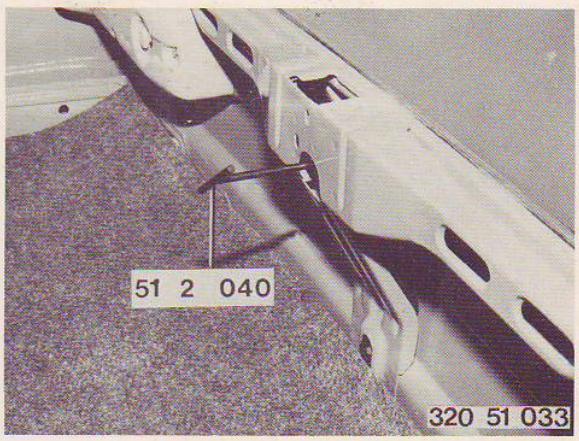
51 24 060 Luggage compartment lid catch – removing and installing

Remove the bolts.
When installing: **Adjust the luggage compartment lid catch – 51 24 004.**



51 24 100 Luggage compartment lock – removing and installing

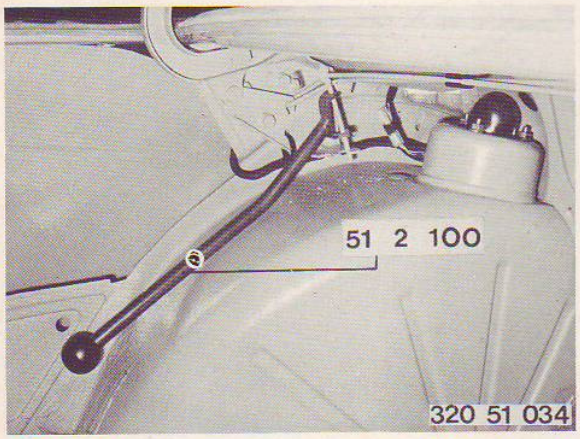
Remove the luggage compartment lid catch – 51 24 050.
Unscrew the threaded ring with box spanner 51 2 040 and take off the catch sleeve. Remove the lock.



cardiagn.com



When the luggage compartment lock has been removed, the key number will be visible. This must be identical with the door lock number.



51 21 341 Torsion bar spring for luggage compartment lid – renewing

Disconnect the torsion bar spring with tool 51 2 100 at left and right.
Remove torsion bar spring from pivot mounts.
When installing: **Note correct position.**
The two torsion bar springs cross over.

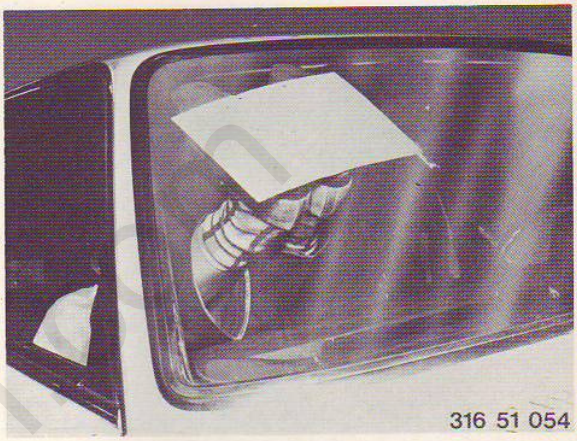
cardiagn.com

51 31 000 Complete windshield – removing and installing

Carefully separate the rubber surround from the body with the lip-type puller.

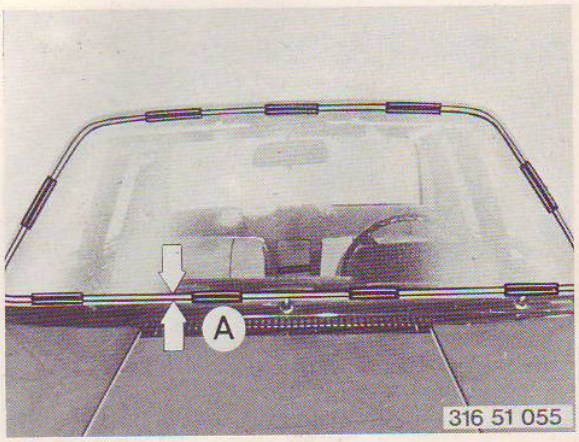


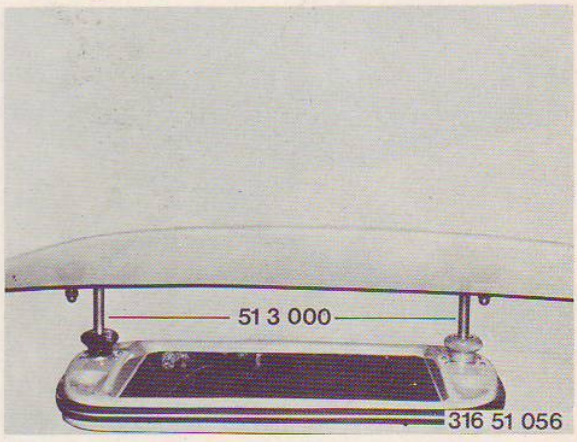
Press out the windshield using the feet, and starting at a top corner.
Remove the old sealing compound.
When installing: **Check condition of surround and filler strip and renew if necessary. Seal the windshield[1]).**



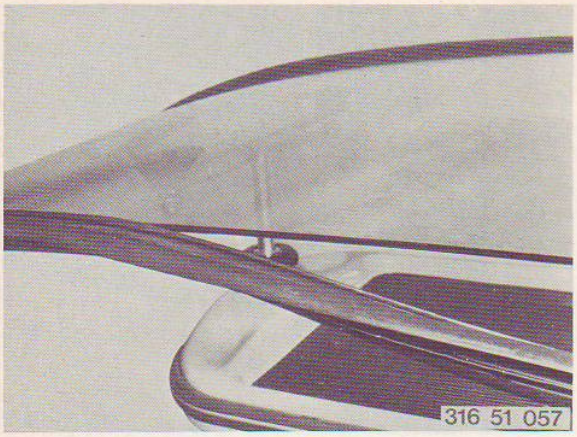
51 31 001 Windshield – renewing

Check that the rubber surround and filler strip are suitable for further use. Insert the windshield into the body cutout with a number of sections of rubber surround.
The gap (A) between the glass and the body cutout must be approx. 9 ... 10 mm (0.35 ... 0.40 in) all round.
Attach glass holder 51 3 000 to the "Assistant", and place the new windshield on top.

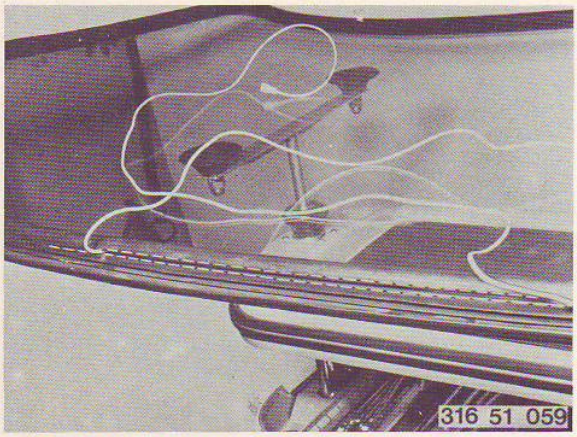




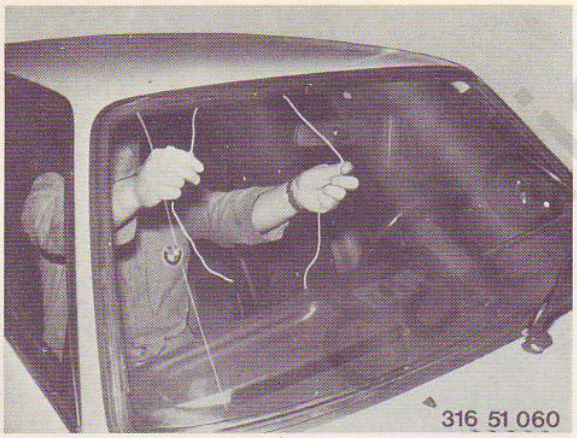
1) See specifications



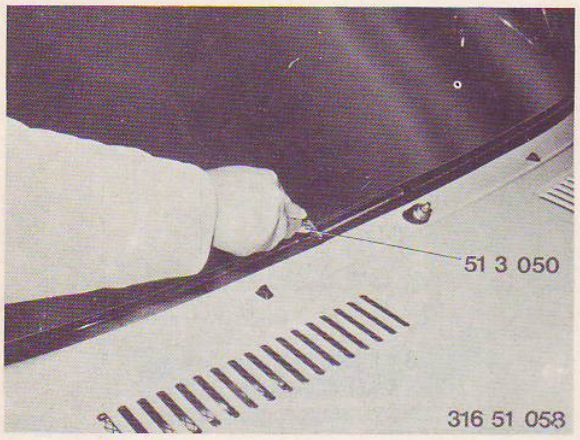
Coat the rubber surround with glycerin and pull on.



Pull a cord or wire approx. 3 mm (0.12 in) in diameter into the lip of the rubber surround. The ends of the cord or wire should overlap by approx. 30 cm (12 in) at one side.



Place the pre-assembled windshield against the body cutout and prevent from slipping sideways. With the cord or wire previously inserted, pull the rubber surround over the web on the body. During the installation procedure, strike the glass uniformly with a pad or the flat of the hand to bring it into the correct installed position.

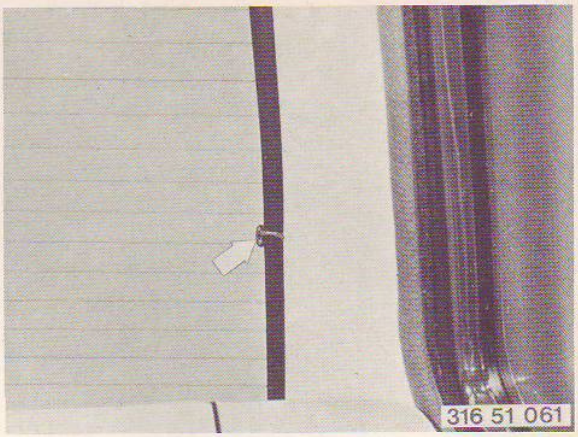


When installing: **heat filler strip to app. 40°C (104°F). Insert the filler strip into the rubber surround with special tool 51 3 050, starting at the bottom center. Seal the windshield[1]).**

1) See specifications

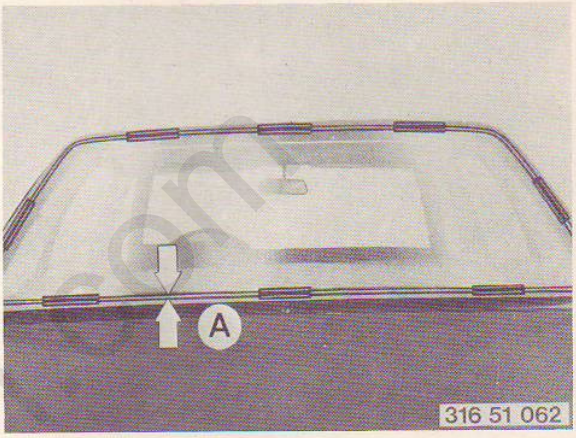
51 31 200 Rear window – removing and installing

Detach the heated rear window connections.
When installing: **Check operation of heated rear window.**
The remaining work is identical with job number 51 31 000.



51 31 221 Rear window – renewing

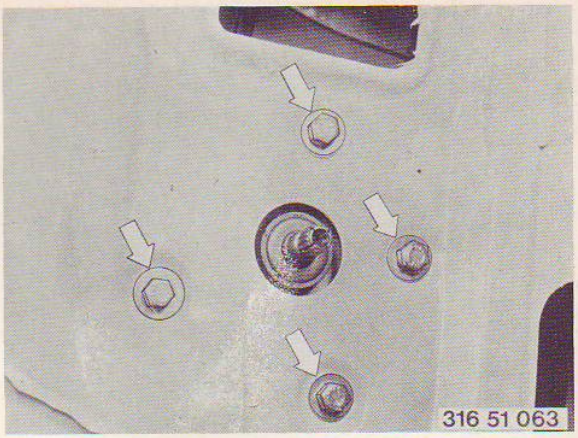
Check that the rubber surround is in good condition, or renew if necessary. Insert new rear window into the body cutout with a number of pieces of rubber surround.
The gap (A) between the glass and the body must be approx. 9 ... 10 mm (0.35 ... 0.40 inch) all round.
The remaining work is identical with job number 51 31 001.



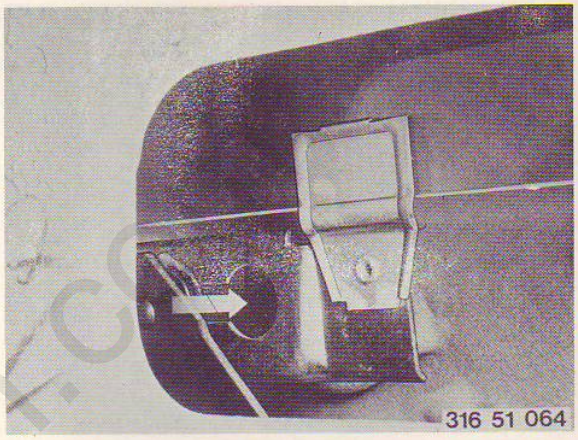
cardiagn.com

51 32 020 Window crank mechanism – removing and installing

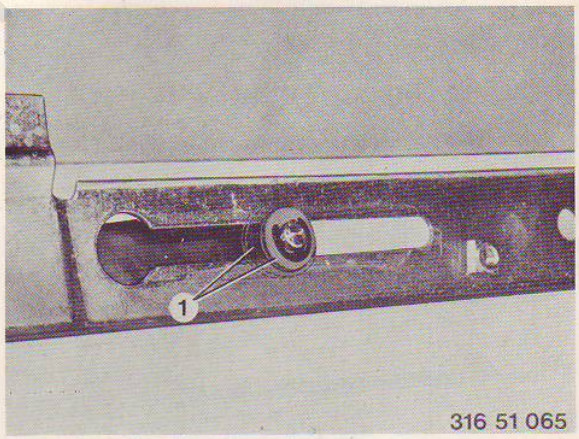
Detach door panel trim – 51 41 000.
Detach "Acella" sheet.
Close the window and detach the crank mechanism from the door.



Hold the window in the closed position.
Detach the lifting arm through the large hole in the lifting plate.

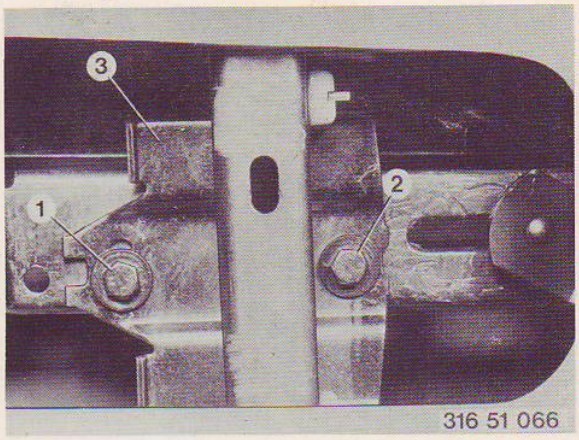


When installing: **The lift rail must run between the two plastic discs (1).**
Apply a brand-name multipurpose grease to the toothed sector of the window crank mechanism.

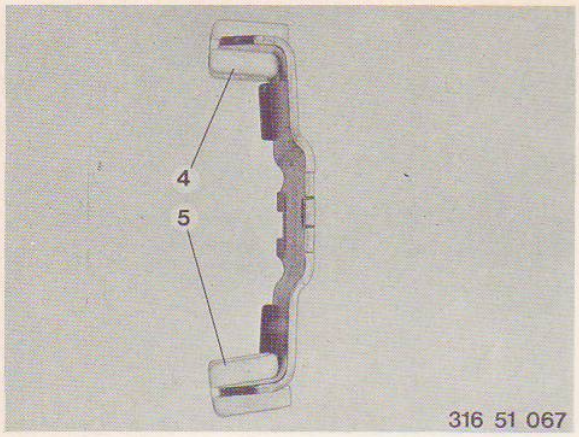


51 32 040 Window lift rail holder – removing and installing

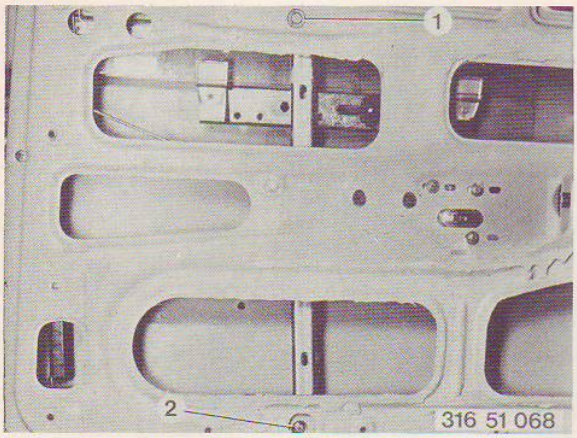
Adjust position of door window – 51 32 154.
Detach "Acella" sheet.
Remove retaining bolts (1 and 2) from holder (3).
When installing: **Adjust door window 51 32 154.**



cardiagn.com

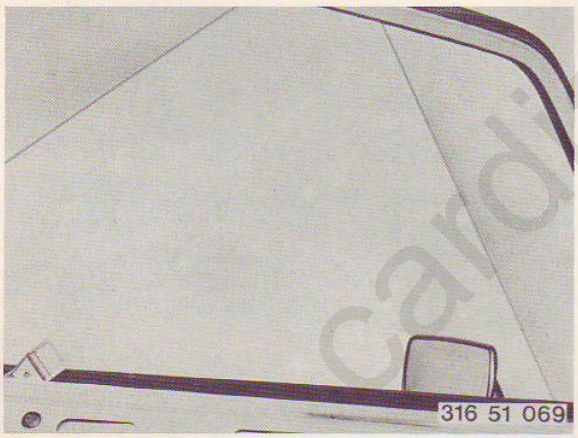


When renewing: pull off slider pads (4 and 5).
When installing: **Note correct position of slider pads. The longer side must be on the outside of the holder. Apply a brand-name multipurpose grease to the slider pads.**



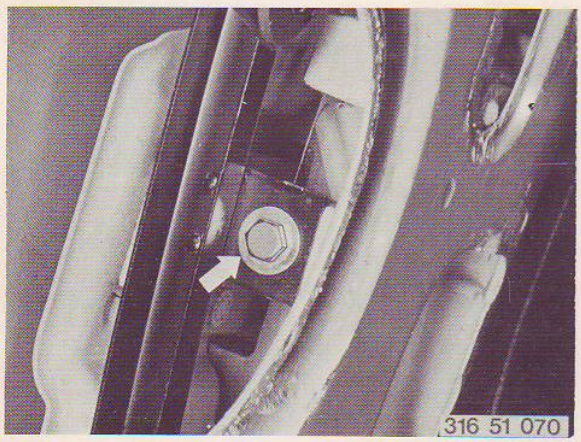
51 32 080 Window support rail – removing and installing

Remove the window lift rail holder – 51 32 050. Remove bolts (1 and 2) and take out the support rail.
When installing: **If necessary, use shims between the window support rail and the inner door panel under bolt (1).**



51 32 120 Front window guide rail – removing and installing

Remove the window lift rail holder – 51 32 040. Detach the glass from the lifting arm and position at an angle.

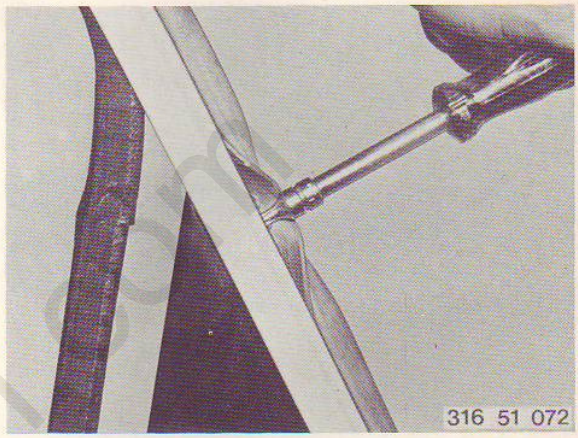


Pull the window guide out of the guide rail. Remove the lower bolt.

Remove the upper bolt.
When installing: **Use shims if necessary.**

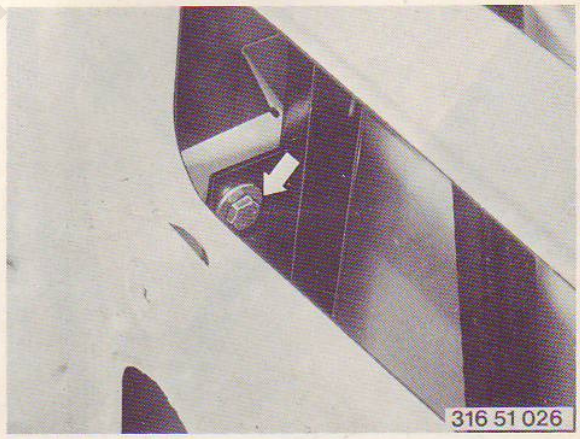


Partly detach the rubber door seal.
Remove the screw.
Take off the window guide rail downwards.



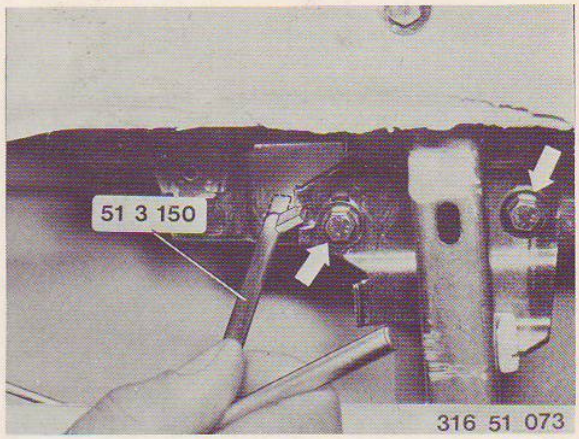
51 32 125 Rear window guide rail – removing and installing

Detach the door panel trim – 51 41 000.
Remove the "Acella" sheet.
Remove the rear window guide rail bolt.
Pull the window guide partly out of the rail and take out the window guide rail downwards.

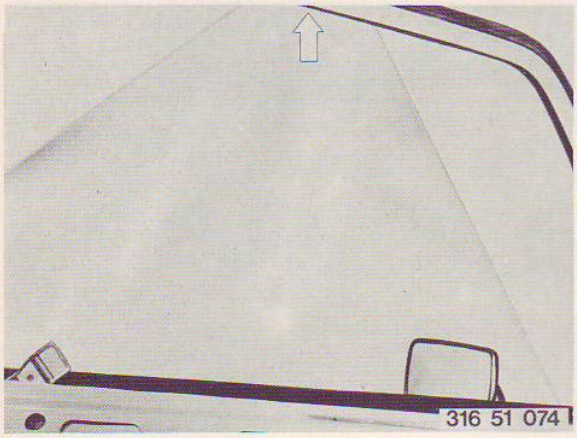


51 32 154 Door window – adjusting

Detach the door panel trim – 51 41 000.
Remove the "Acella" sheet.
Loosen the bolts and adjust door window play to zero with adjusting wrench 51 3 150.
Grease the guides.
Tighten the retaining bolts.

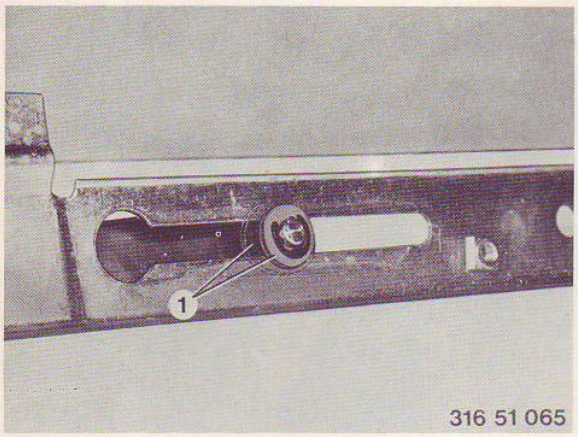


carlagn.com

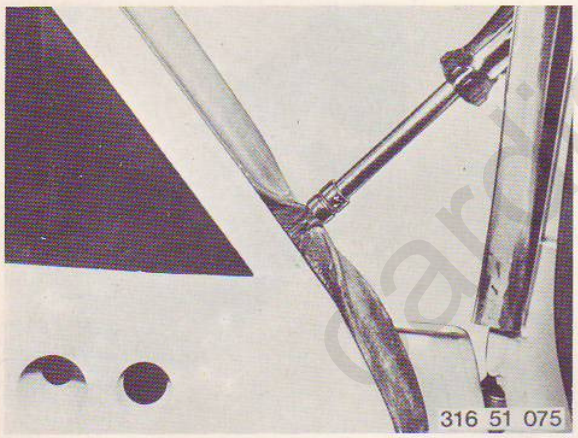


51 32 170 Door window – removing and installing

Remove window lift rail holder – 51 32 040.
Detach door window glass from lifting arm and take out upwards.

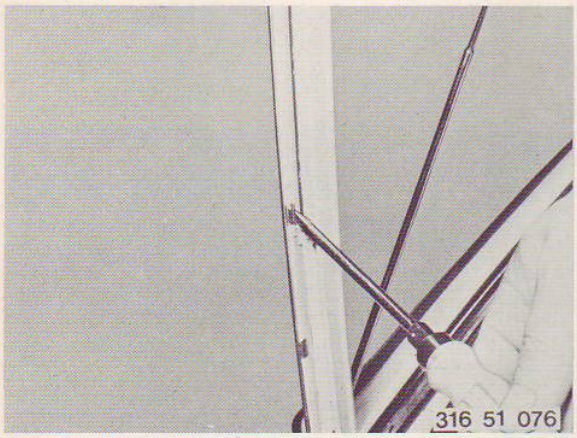


When installing: **The lift rail must run between the two plastic discs (1).**



51 32 390 Window frame trim – detaching and attaching

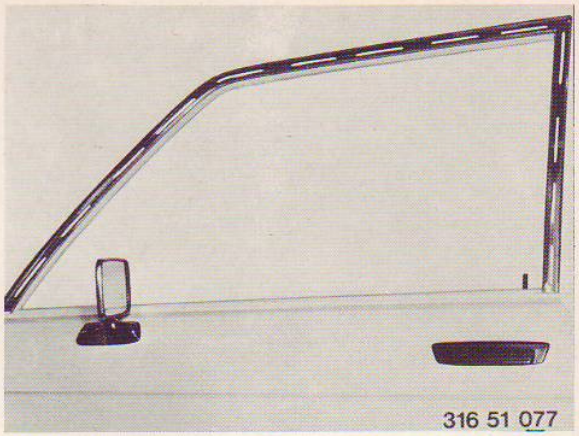
Remove the door window glass – 51 32 170.
Remove the window guide rail – 51 32 120.
Detach the window aperture outer cover strip – 51 21 300.
Pull the window guide out of the guide rail and the window frame. Remove screw and take off corner trim.



Beginning at the front, extract the clips with a screwdriver and take off the trim.
When installing: **Use new clips. Insert the clips into the window frame first, then press on the trim.**

carmagn.com

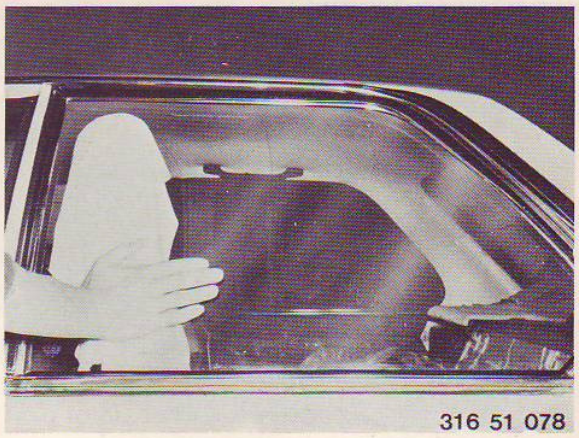
When installing: **To prevent the window frame trim from rattling, insert pieces of "Terostat" cord at intervals beneath the trim.**



cardiagn.com

51 36 050 Rear side window – removing and installing

Remove the rear side panel trim – 51 43 000.
Press the rear side window out with the feet, stating at the top corner.
Warning: **Always have the glass held securely on the outside to prevent it from falling.**
When installing: **Remove the old sealing compound. Seal the corners with "Terostat" cord.**

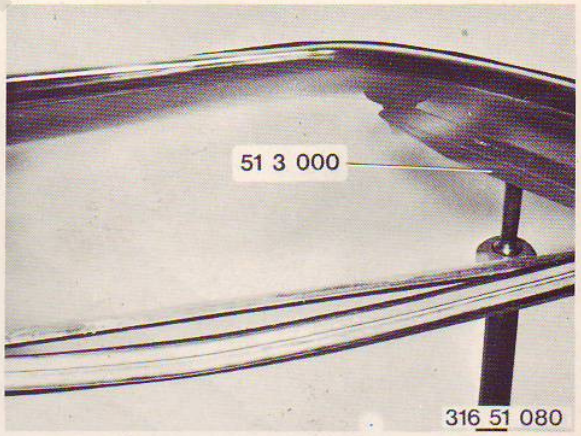

316 51 078

When installing: **Insert "Terostat" cord into the cutout for the glass.**
Insert a cord or wire into the final lip on the rubber surround, install the glass and pull the rubber surround over the web on the window frame. Use a soft pad or the flat of the hand at the same time to move it into the correct installed position.


316 51 079

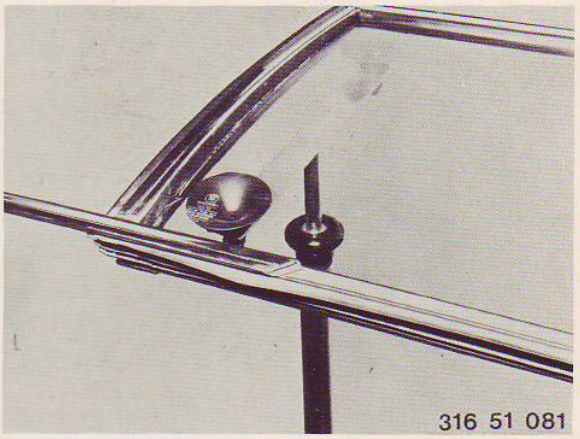
51 36 071 Rear side window glass – renewing

Check that the rubber surround and trim strip can be re-used.
Mount glass holder 51 3 000 in the "Assistant" and place the glass on top. Attach the rubber surround.

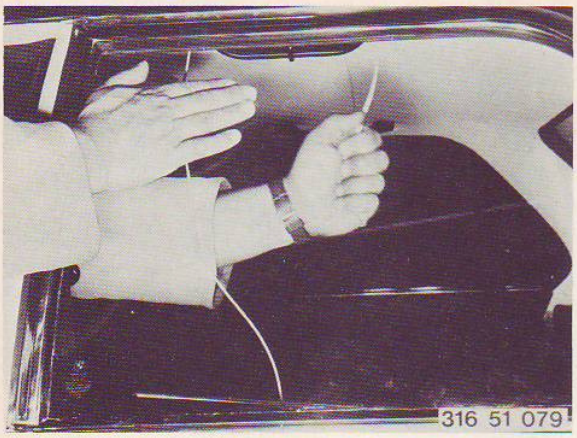


316 51 080

Insert the trim strips into the rubber surround.
Correct order:
1. Vertical trim strip
2. Upper trim strip
3. Horizontal trim strip
Make sure that the rubber lips rest correctly against the trim strips.


316 51 081

carmanuals.com



Place "Terostat" cord into cutout for glass all round the frame. Pull a cord or wire approx. 3 mm (0.12 inch) in diameter into the lip of the rubber surround. The ends of the cord or wire must overlap by approx. 30 cm (12 inches) at one side.

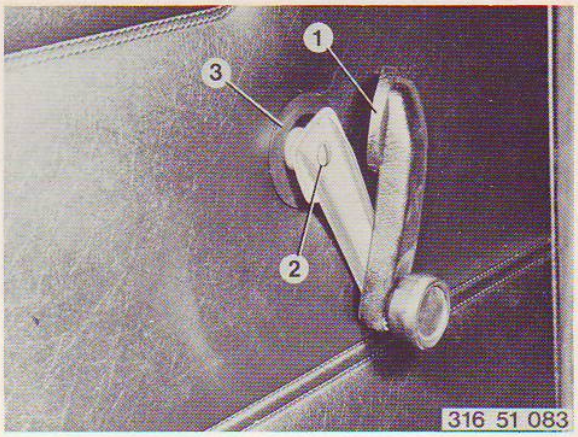
Place the pre-assembled window against the body cutout and hold firmly to prevent slipping to one side. With the cord or wire, pull the rubber surround over the web on the body.

During installation, strike the glass evenly with a pad or the flat of the hand to bring it into the correct installed position.

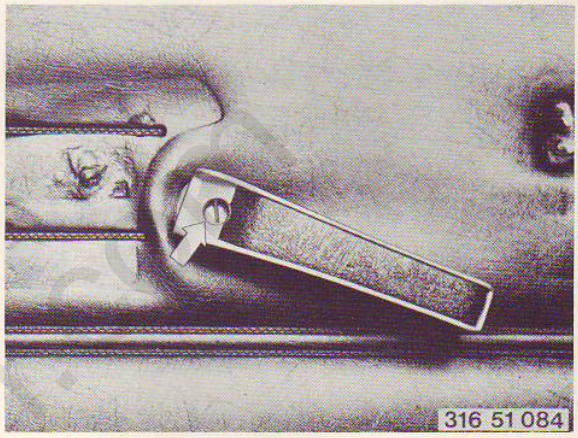
cardiagn.com

51 41 000 Door panel trim – detaching and attaching

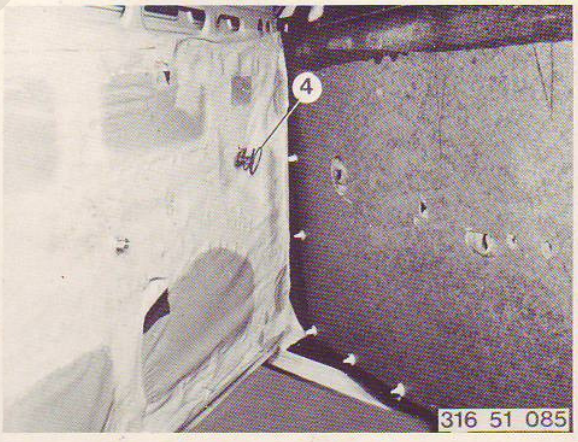
Detach the armrest – 51 41 060.
Pull out the cover (1).
Remove the retaining screw (2) and detach the window crank with baseplate (3).



Remove the retaining screw and take off the inside door handle.
When installing: **Note correct position of door handle.**

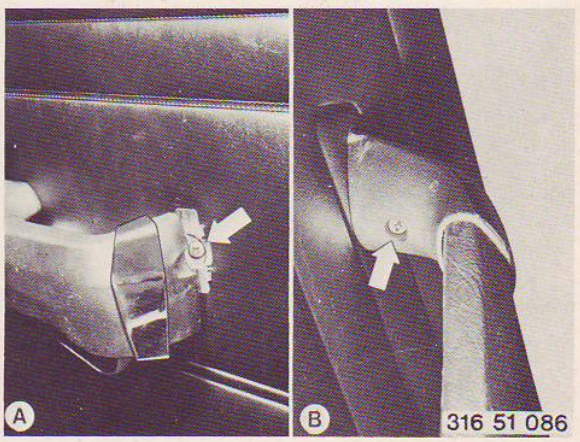


Pull out the clips and lift the door panel trim away.
Warning: **The wider turns of spring (4) face the trim panel.**
When installing: **Check condition of clips and bushings and renew if necessary.**

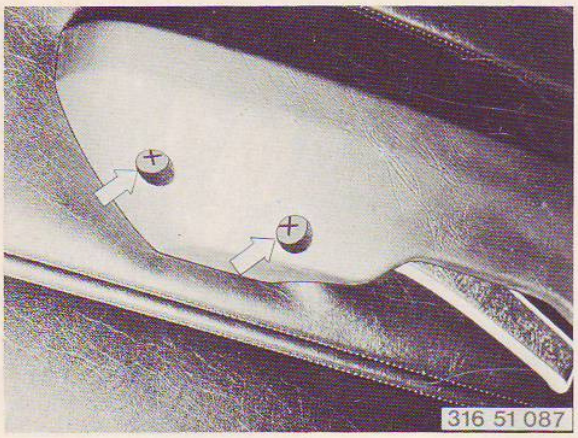


51 41 060 Armrest – detaching and attaching

A) On driver's side:
push back the cover and remove the screw.
B) On passenger's side:
unscrew the cover.



carmagnet



On driver's side:
Take off the armrest.



On passenger's side:
Take off the armrest.

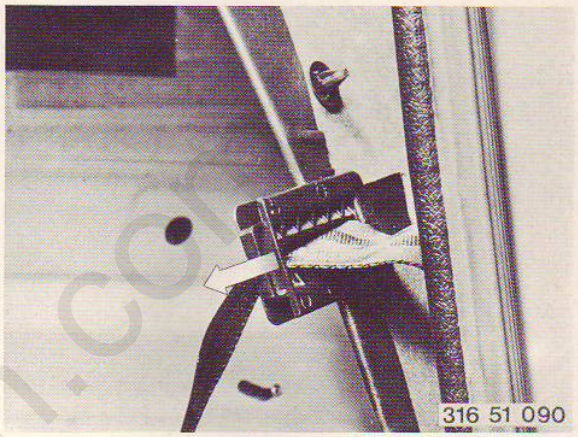
cardiagn.com

51 43 000 Rear side panel trim – removing and installing

Remove rear seat and seat back – 52 20 000.
Pull out the clip and lift out the side panel trim.
When installing: **Check condition of clip, bushing and locating pins and renew if necessary.**



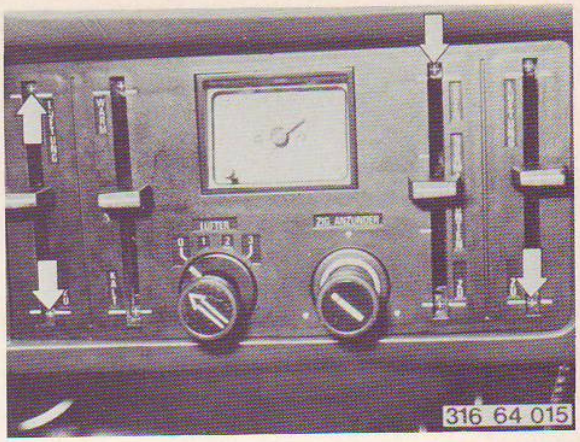
Pull out the seat belt guide and take off the side panel trim.



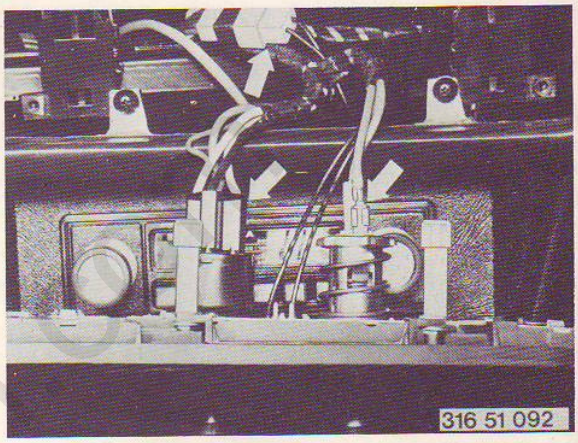
cardiagn.com

51 45 050 Facia trim – removing and installing

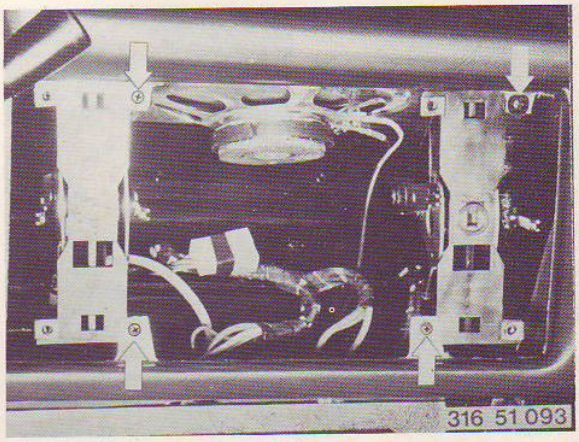
Remove and install the center storage compartment – 51 16 200. Remove the complete instrument panel – 62 21 000.
Detach the lower center right facia trim – 51 45 200.
Pull off the control knobs. Remove the screws and take out the switch panel.



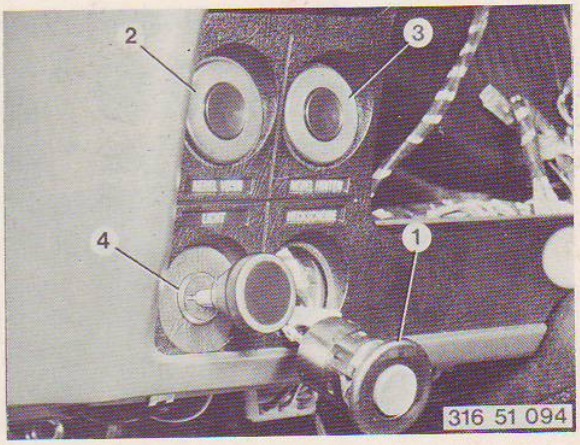
Detach the central plug and leads from the switch panel.



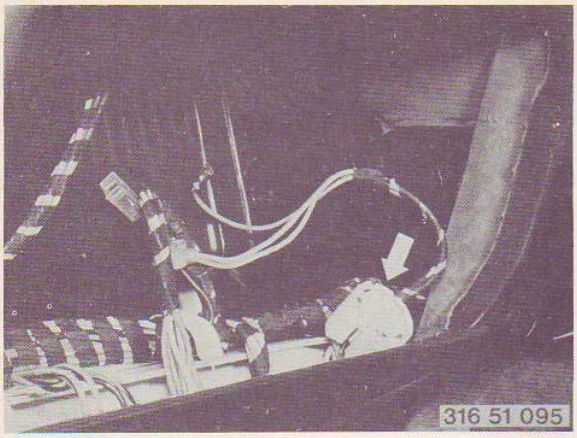
Detach the switches.
Disconnect cable at loudspeaker if fitted.



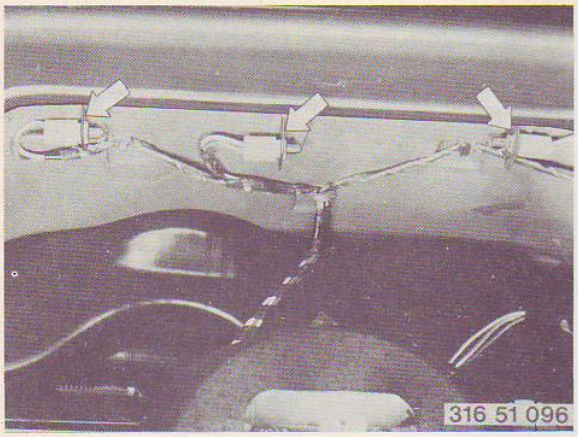
Press out switch (1) – and switches (2 and 3) if in use – and detach the leads.
Unscrew knob from switch (4). Prevent the shaft from turning so that the potentiometer is not damaged.
Take out switch (4).



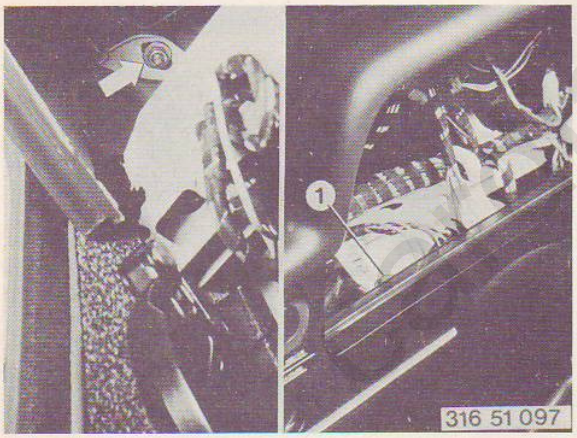
cardiagn



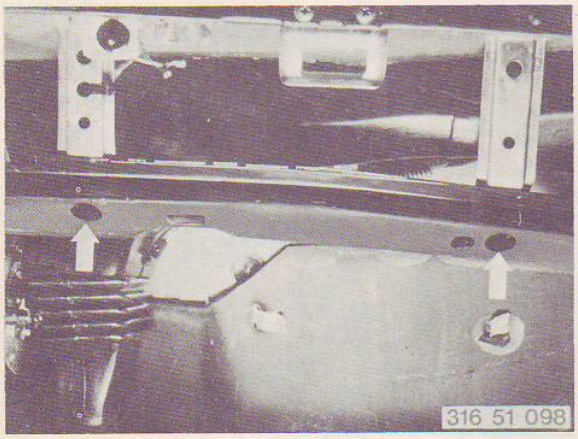
Detach central plug at hazard warning switch.



Pull out instrument lighting bulb holders.
When installing: **Secure cables in clips.**



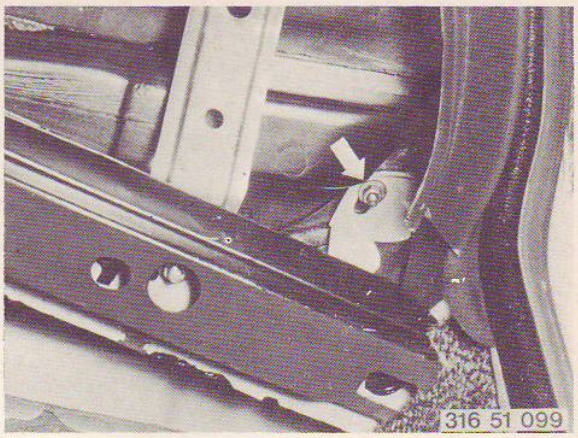
Unscrew nut at left and screw (1) at right.



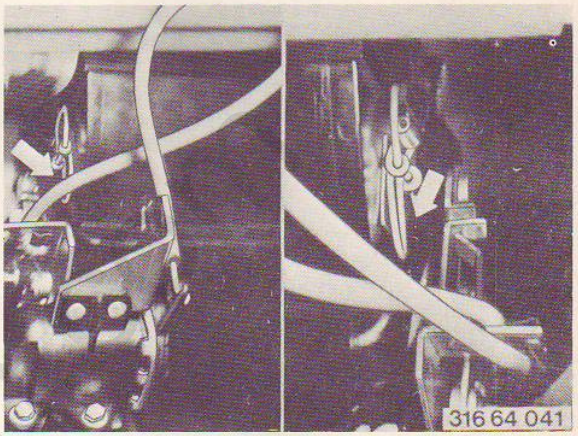
Disconnect pivot at glove box.
Detach glove box light cable and remove cable strap.
Unscrew nuts at angle brackets.

ecmtragn.com

Remove the nut on the right.
When installing: **First press the trim panel fully forwards, then tighten all nuts.**

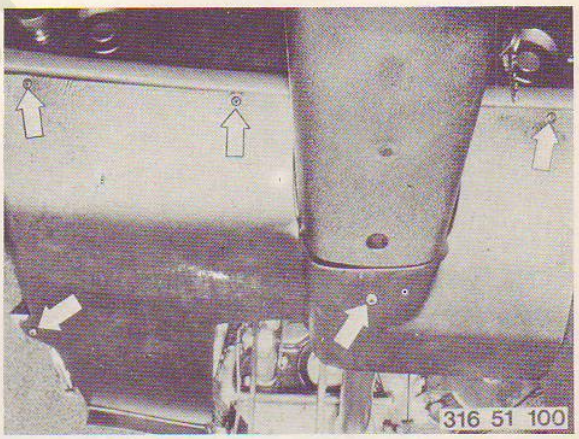


Open the left and right snap fasteners.
Lift the trim out, starting at one side, and remove to the rear.
When installing: **Make sure that the heater connecting pipes are located in the demisting outlets.**



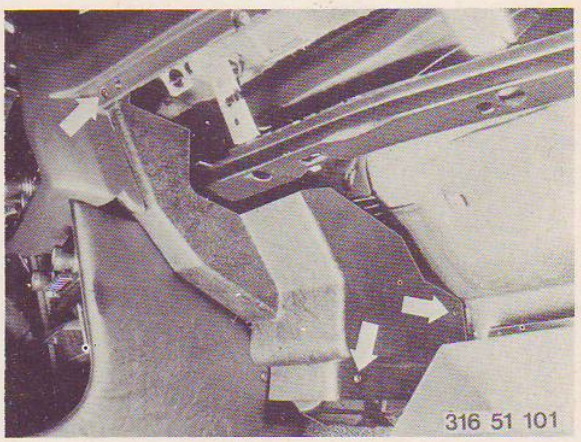
51 45 180 Lower left facia trim – detaching and attaching

Remove screws and take off trim.
Note: **Remove fader at cars with air condition and stereo/CR radio, do not pull off cable.**



51 45 200 Lower center right facia trim – detaching and attaching

Disconnect the left and right glove box pivots.
Remove screws and take off trim.



carsagn