



Technical Note 3806A

XBXX

Basic documents: Workshop Repair Manual 358

Sub-sections concerned: 83A - 84A

Instrument panel and electric windows

Instrument panel removal - refitting method

Fitting the front and rear electric windows

77 11 328 022

NOVEMBER 2003

EDITION ANGLAISE

"The repair methods given by the Manufacturer in this document are based on the technical specifications current when it was prepared.

The methods may be modified as a result of changes introduced by the Manufacturer in the production of the various component units and accessories from which his vehicles are constructed."

All copyrights reserved by RENAULT.

Copying or translating, in part or in full, of this document or use of the service part reference numbering system is forbidden without the prior written authority of RENAULT.

© RENAULT 2003

Contents

Page

83A INSTRUMENT PANEL

Instrument panel 83A-1

84A CONTROL - SIGNALS

Electric windows 84A-1
Electric window switch 84A-2
Child safety lock switch 84A-11

Tightening torque



battery terminals

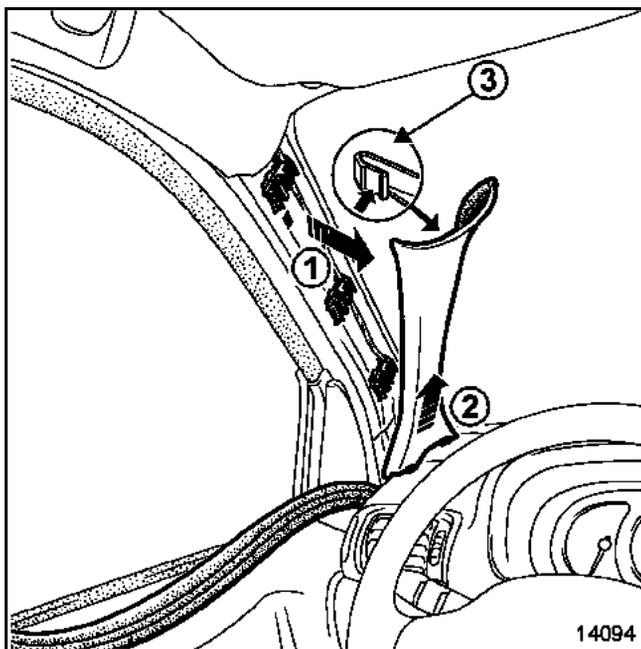
1.2 daNm

REMOVAL

IMPORTANT

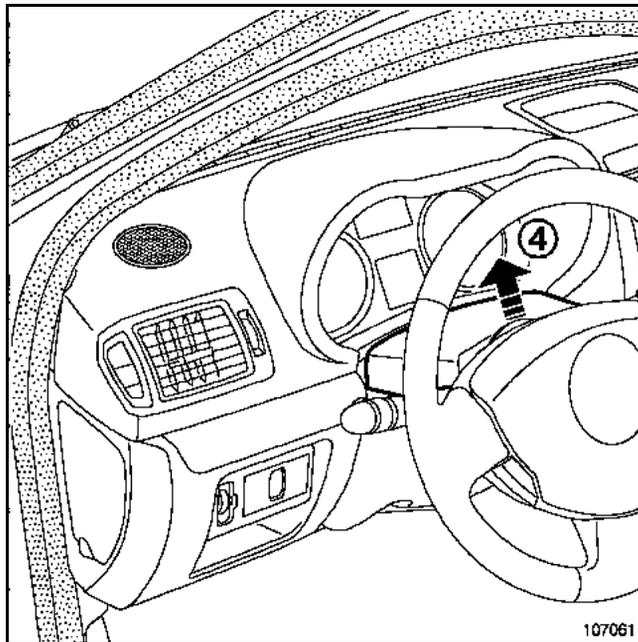
Before carrying out any work on a safety system component, lock the air bag computer with the fault finding tool (see the **Electrical equipment** Section). When this function is activated, all the trigger lines are inhibited, and the air bag warning light on the instrument panel is lit continuously (with ignition on).

Disconnect the battery, starting with the negative terminal.

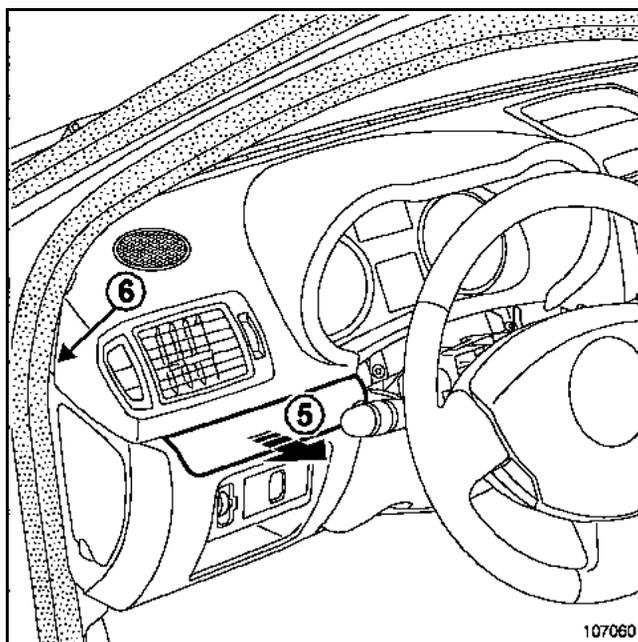


Remove the windscreen pillar trims, as follows:

- move the upper section of the trim slightly to press on the retaining clip (3),
- unclip the trim from its housing by performing movements (1) and (2).



Unclip the casing (4).



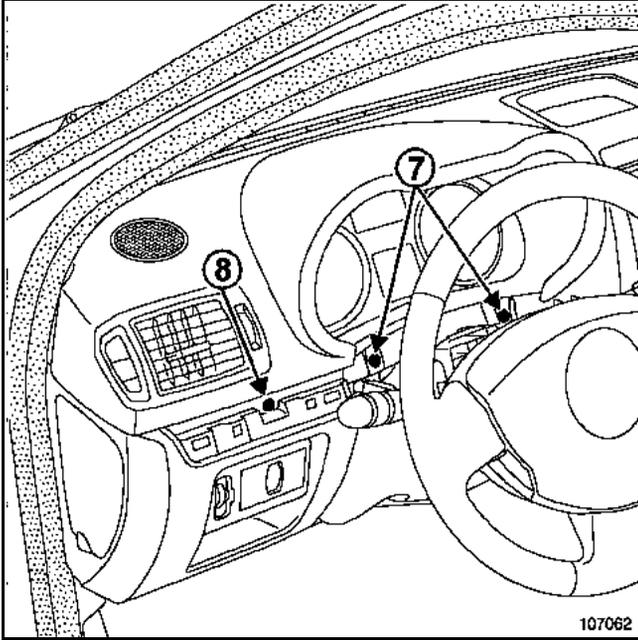
Unclip the trim piece (5).

Remove the bolt (6).

INSTRUMENT PANEL

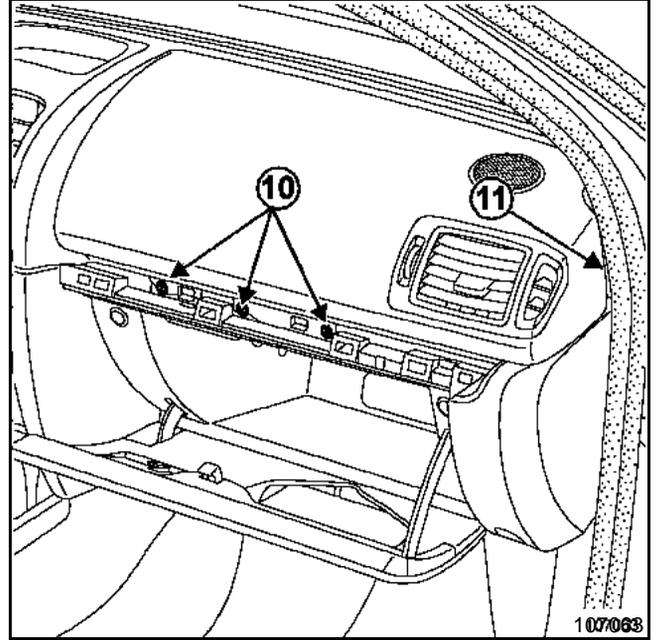
Instrument panel

83A



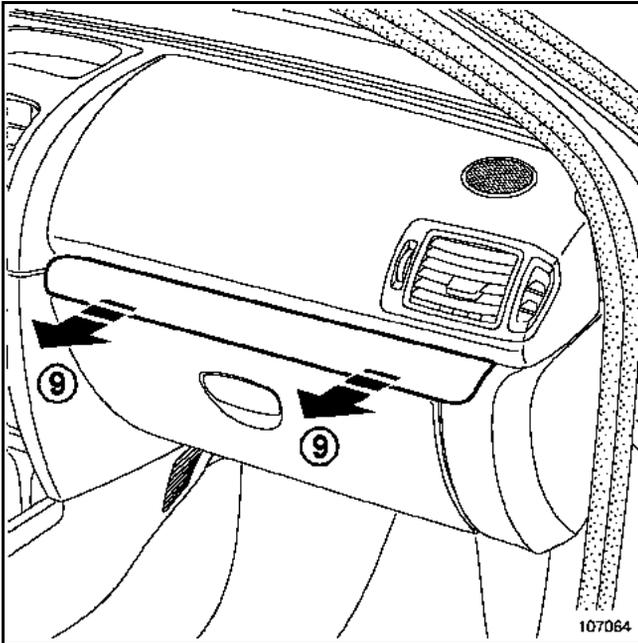
Remove:

- the two bolts (7),
- the bolt (8).



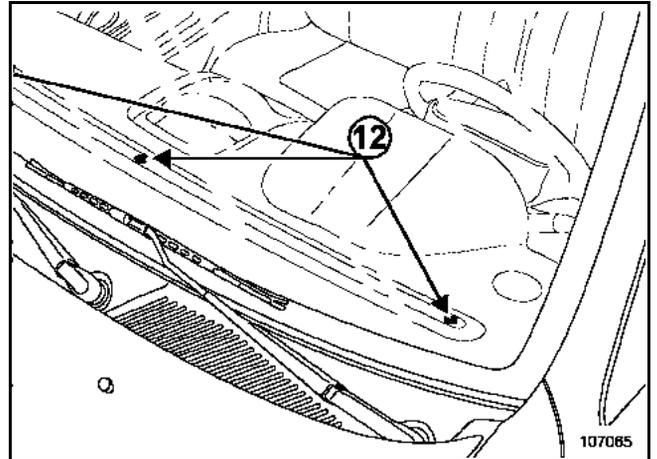
Remove:

- the three bolts (10),
- the bolt (11).

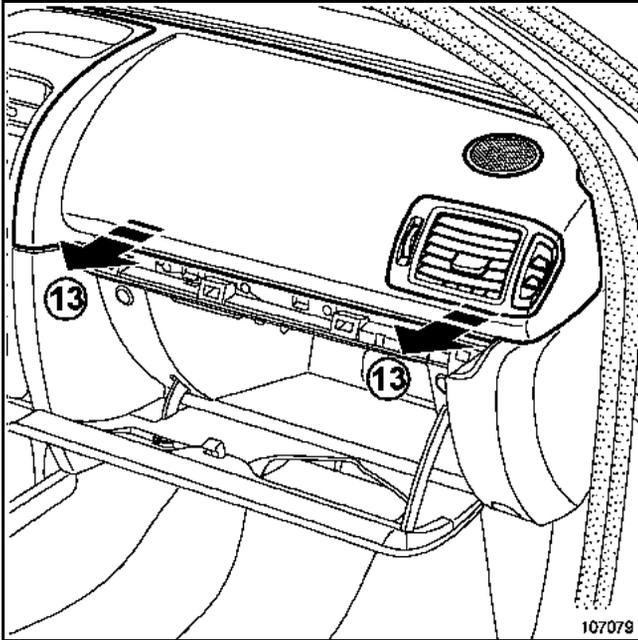


Open the glovebox.

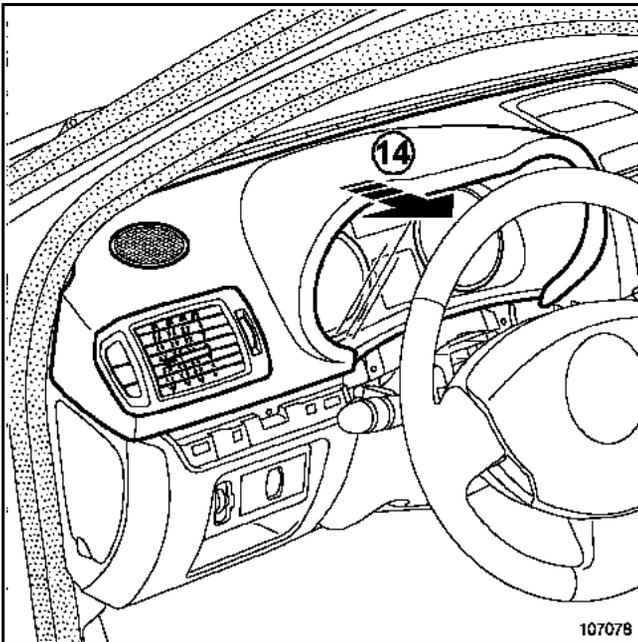
Unclip the trim piece (9).



Remove the three bolts (12).

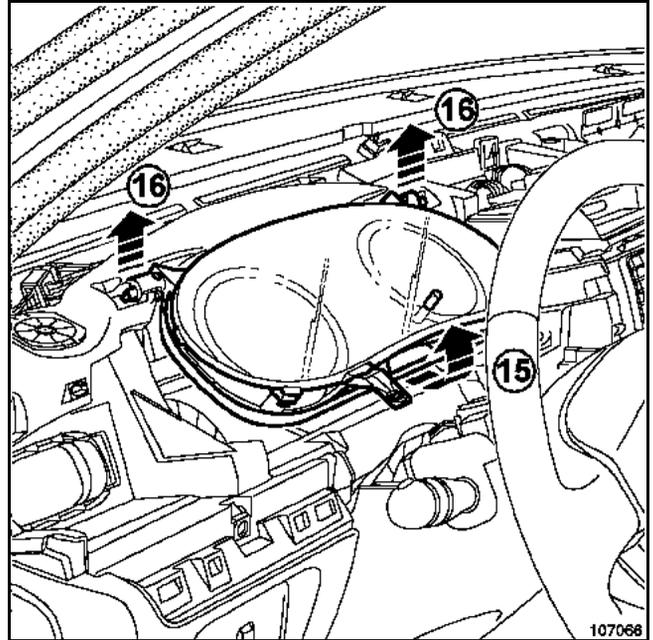


Unclip the dashboard, starting with the passenger side (13).



Unclip the driver's side dashboard (14).

Remove the dashboard.



Lift up the instrument panel at (15).

Unclip:

- the instrument panel (16),
- the connectors.

REFITTING

Proceed in the reverse order to removal.

WARNING

Connect the battery, starting with the positive terminal.
Tighten to torque the **battery terminals (1.2 daNm)**.
Carry out the necessary programming (see the **Electrical equipment** Section).

SPECIAL NOTES ON THE AIR BAG

Unlock the computer if everything is in order, otherwise see the **Fault finding** Workshop Repair Manual.

IMPORTANT

- Check the air bag computer with the **fault finding tool**.
- Any failure to follow these instructions may cause a system malfunction, and may even cause a false activation of the air bags.

OPERATION

TYPES OF UNIT

The vehicle can be fitted with two types of **front window winders**:

- driver's side and passenger side electric windows,
- driver's "one-touch" electric window / passenger's electric window.

Note:

The driver's side window winder switches are all the same.

A rear window winder locking switch is fitted on the driver's door plate.

ELECTRIC WINDOW

The electric window motor is powered via the switch, which can reverse the polarity (for lowering or raising).

ONE-TOUCH ELECTRIC WINDOWS

The one-touch electric window function is provided by the UCH.

Briefly pressing the "lower" switch engages "one-touch" opening (to the lower stop).

Pressing and holding the "lower" switch engages ordinary opening.

Briefly pressing the "raise" switch engages "one-touch" closing (to the upper stop).

Pressing and holding the "raise" switch engages ordinary closing.

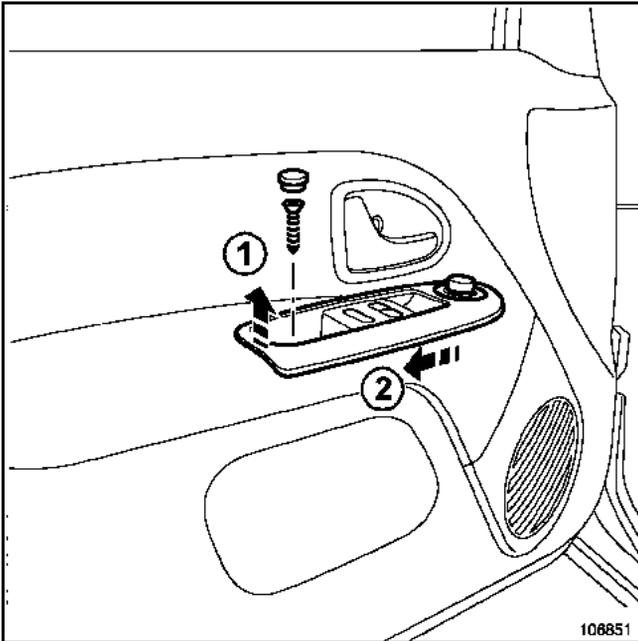
REMOVAL

Electric window switch on driver's door

Note:

The driver's side plate may have (depending on equipment level):

- the driver's window winder control,
- the passenger's window winder control
- the rear window winder locking control.



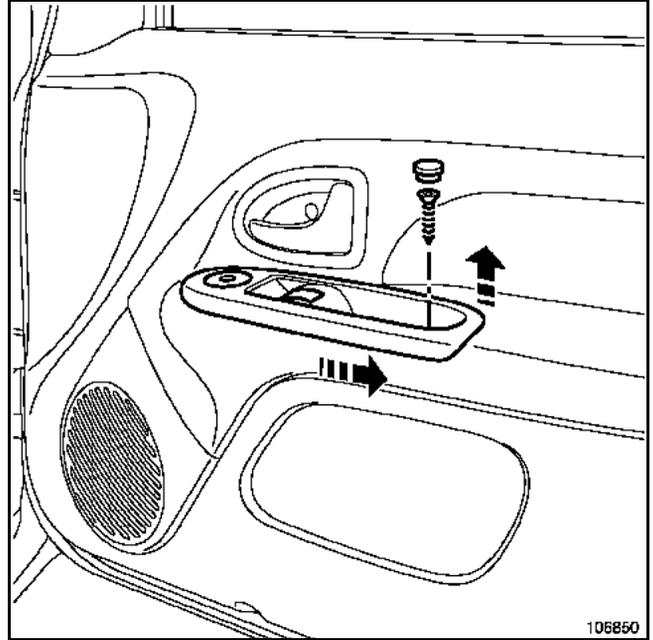
Remove:

- the blanking cover,
- the plate mounting bolt,
- the plate, (1) and (2).

Disconnect the connectors (depending on equipment level).

Remove the window winder switch from the plate.

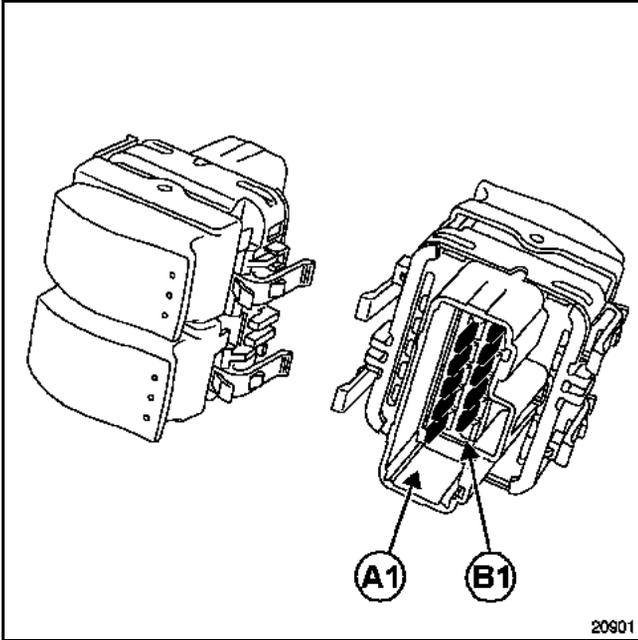
Electric window switch on passenger's door



The removal method is the same as for the driver's door.

**LEFT-HAND DRIVE:
DRIVER'S ONE-TOUCH ELECTRIC WINDOW /
PASSENGER'S ELECTRIC WINDOW**

Driver's side switches connection



| Track | Description |
|-------|---------------------------------------|
| A1 | Connection to passenger's switch (A1) |
| A2 | + after ignition feed |
| A3 | + lighting feed |
| A4 | Not used |
| A5 | Lower window control |
| A6 | Not used |
| B1 | Not used |
| B2 | Connection to passenger's switch (B2) |
| B3 | + after ignition feed |
| B4 | Earth |
| B5 | Not used |
| B6 | Raise window control |

Driver's side switches operation

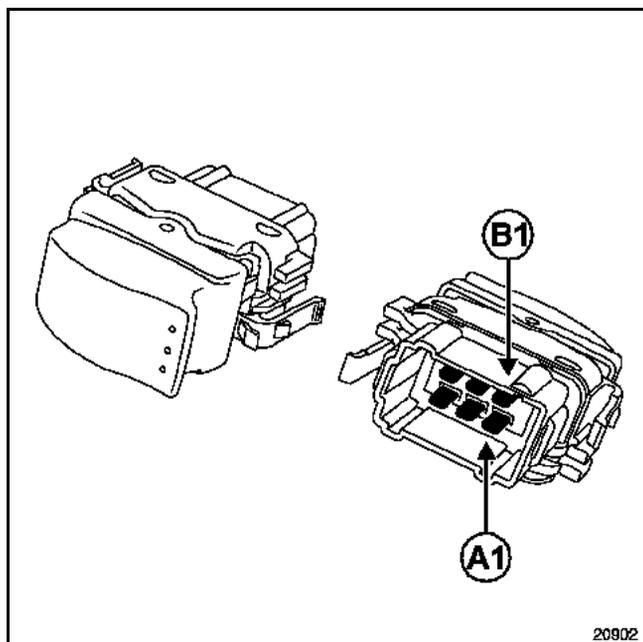
Driver's window control

| | A5/B5 | B6/A4 | B6/B4 | A5/B4 |
|-----------------|-------|-------|-------|-------|
| Rest position | 0 Ω | 0 Ω | α | α |
| Open position | α | 0 Ω | α | 0 Ω |
| Closed position | 0 Ω | α | 0 Ω | α |

Passenger's window control

| | A1/B3 | B2/A2 | B2/B4 | A1/B4 |
|-----------------|-------|-------|-------|-------|
| Rest position | 0 Ω | 0 Ω | α | α |
| Open position | α | 0 Ω | α | 0 Ω |
| Closed position | 0 Ω | α | 0 Ω | α |

Passenger's side switch connection



20902

| Track | Description |
|-------|-----------------------|
| A1 | + after ignition feed |
| A2 | Earth |
| A3 | Lower window control |
| B1 | Raise window control |
| B2 | + after ignition feed |
| B3 | + lighting feed |

Passenger's side switch operation

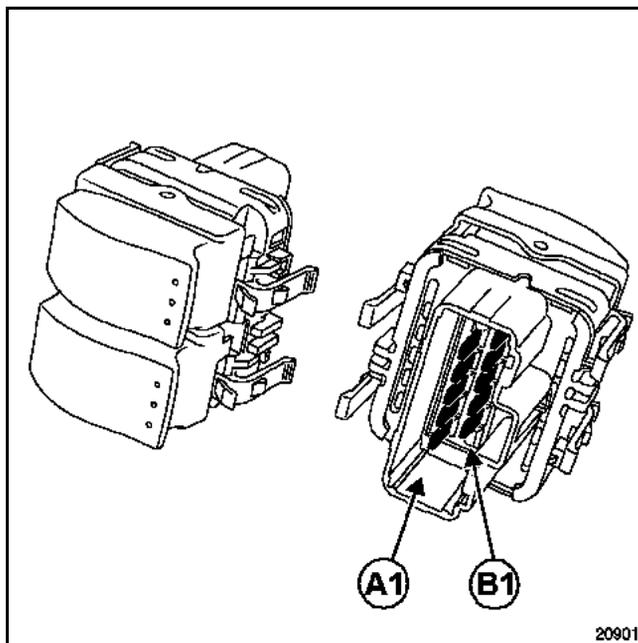
| | A3/A1 | B1/B2 | B1/A2 | A3/A2 |
|-----------------|-------|-------|-------|-------|
| Rest position | 0 Ω | 0 Ω | α | α |
| Open position | α | 0 Ω | α | 0 Ω |
| Closed position | 0 Ω | α | 0 Ω | α |

Note:

When checking the resistance with an ohmmeter, the reading should be close to 0 Ω when two tracks are in contact.

RIGHT-HAND DRIVE: DRIVER'S ONE-TOUCH ELECTRIC WINDOW / PASSENGER'S ELECTRIC WINDOW

Driver's side switches connection



20901

| Track | Description |
|-------|---------------------------------------|
| A1 | Lower window control |
| A2 | Not used |
| A3 | + lighting feed |
| A4 | + after ignition feed |
| A5 | Connection to passenger's switch (A1) |
| A6 | Not used |
| B1 | Not used |
| B2 | Raise window control |
| B3 | Not used |
| B4 | Earth |
| B5 | + after ignition feed |
| B6 | Connection to passenger's switch (B2) |

CONTROL - SIGNALS

Electric window switch

84A

Driver's side switches operation

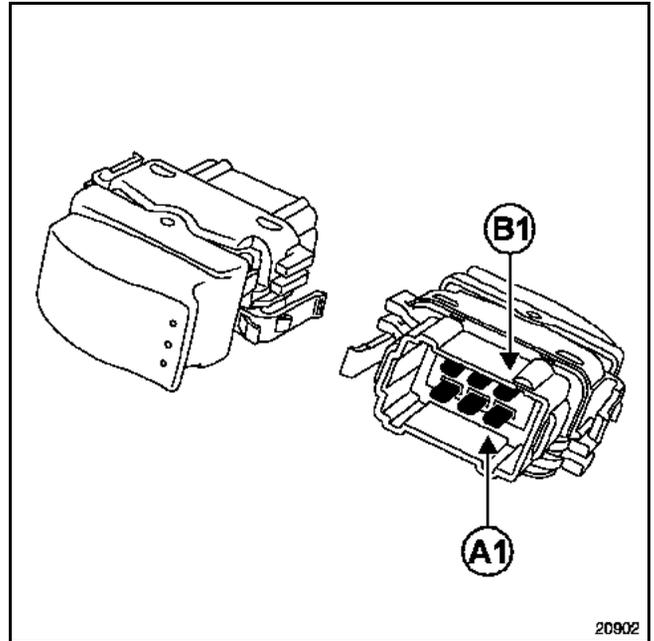
Driver's window control

| | A1/B3 | B2/A2 | B2/B4 | A1/B4 |
|-----------------|-------|-------|-------|-------|
| Rest position | 0 Ω | 0 Ω | α | α |
| Open position | α | 0 Ω | α | 0 Ω |
| Closed position | 0 Ω | α | 0 Ω | α |

Passenger's window control

| | A5/B5 | B6/A4 | B6/B4 | A5/B4 |
|-----------------|-------|-------|-------|-------|
| Rest position | 0 Ω | 0 Ω | α | α |
| Open position | α | 0 Ω | α | 0 Ω |
| Closed position | 0 Ω | α | 0 Ω | α |

Passenger's side switch connection



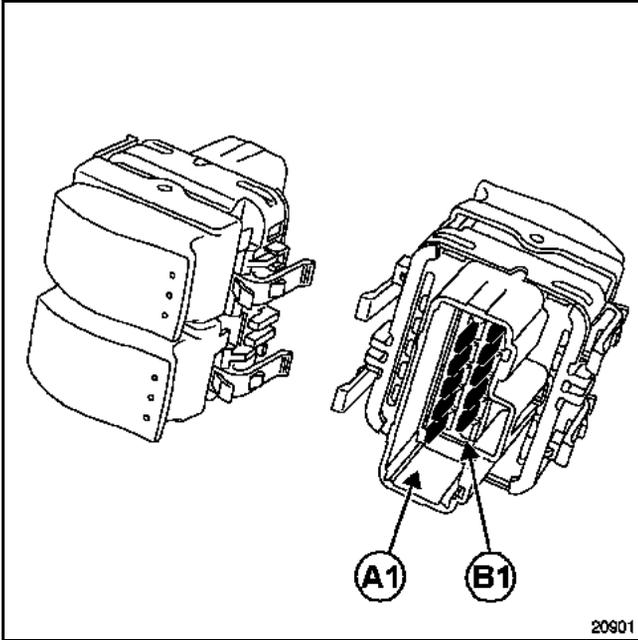
| Track | Description |
|-------|-----------------------|
| A1 | + after ignition feed |
| A2 | Earth |
| A3 | Lower window control |
| B1 | Raise window control |
| B2 | + after ignition feed |
| B3 | + lighting feed |

Passenger's side switch operation

| | A3/A1 | B1/B2 | B1/A2 | A3/A2 |
|-----------------|-------|-------|-------|-------|
| Rest position | 0 Ω | 0 Ω | α | α |
| Open position | α | 0 Ω | α | 0 Ω |
| Closed position | 0 Ω | α | 0 Ω | α |

**LEFT-HAND DRIVE:
DRIVER'S ELECTRIC WINDOW /
PASSENGER'S ELECTRIC WINDOW**

Driver's side switches connection



| Track | Description |
|-------|---------------------------------------|
| A1 | Connection to passenger's switch (A1) |
| A2 | + after ignition feed |
| A3 | + lighting feed |
| A4 | + after ignition feed |
| A5 | Raise window control |
| A6 | Not used |
| B1 | Not used |
| B2 | Connection to passenger's switch (B2) |
| B3 | + after ignition feed |
| B4 | Earth |
| B5 | + after ignition feed |
| B6 | Lower window control |

Driver's side switches operation

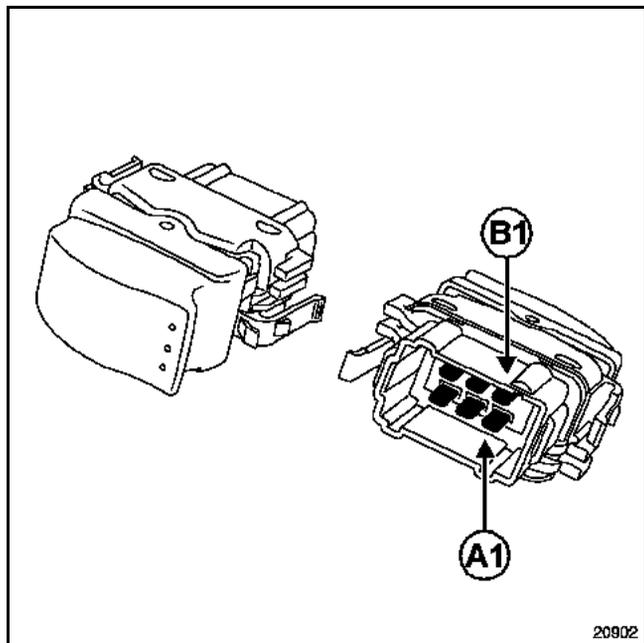
Driver's window control

| | A5/B5 | B6/A4 | B6/B4 | A5/B4 |
|-----------------|-------|-------|-------|-------|
| Rest position | 0 Ω | 0 Ω | α | α |
| Open position | 0 Ω | α | 0 Ω | α |
| Closed position | α | 0 Ω | α | 0 Ω |

Passenger window control

| | A1/B3 | B2/A2 | B2/B4 | A1/B4 |
|---------------|-------|-------|-------|-------|
| Rest position | 0 Ω | 0 Ω | α | α |
| Open position | α | 0 Ω | α | 0 Ω |
| Closed | 0 Ω | α | 0 Ω | α |

Passenger's side switch connection



20902

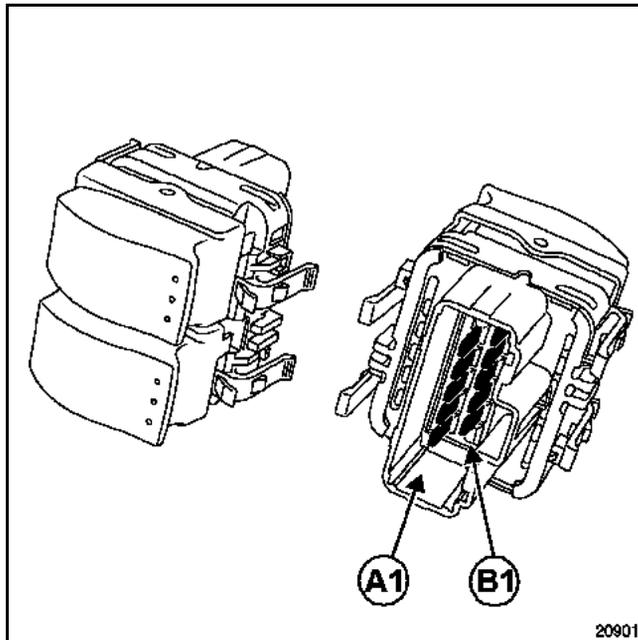
| Track | Description |
|-------|-----------------------|
| A1 | + after ignition feed |
| A2 | Earth |
| A3 | Lower window control |
| B1 | Raise window control |
| B2 | + after ignition feed |
| B3 | + lighting feed |

Passenger's side switches operation

| | A3/A1 | B1/B2 | B1/A2 | A3/A2 |
|-----------------|------------|------------|------------|------------|
| Rest position | 0 Ω | 0 Ω | α | α |
| Open position | α | 0 Ω | α | 0 Ω |
| Closed position | 0 Ω | α | 0 Ω | α |

RIGHT-HAND DRIVE: DRIVER'S ELECTRIC WINDOW / PASSENGER'S ELECTRIC WINDOW

Driver's side switches connection



20901

| Track | Description |
|-------|---------------------------------------|
| A1 | Raise window control |
| A2 | + after ignition feed |
| A3 | + lighting feed |
| A4 | + after ignition feed |
| A5 | Connection to passenger's switch (A1) |
| A6 | Not used |
| B1 | Not used |
| B2 | Lower window control |
| B3 | + after ignition feed |
| B4 | Earth |
| B5 | + after ignition feed |
| B6 | Connection to passenger's switch (B2) |

Driver's side switches operation

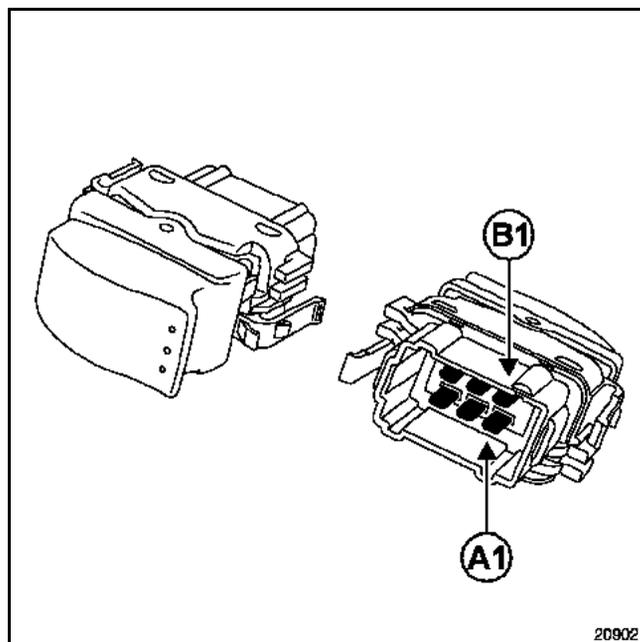
Driver's window control

| | A1/B3 | B2/A2 | B2/B4 | A1/B4 |
|-----------------|-------|-------|-------|-------|
| Rest position | 0 Ω | 0 Ω | α | α |
| Open position | 0 Ω | α | 0 Ω | α |
| Closed position | α | 0 Ω | α | 0 Ω |

Passenger window control

| | A5/B5 | B6/A4 | B6/B4 | A5/B4 |
|-----------------|-------|-------|-------|-------|
| Rest position | 0 Ω | 0 Ω | α | α |
| Open position | α | 0 Ω | α | 0 Ω |
| Closed position | 0 Ω | α | 0 Ω | α |

Passenger's side switch connection

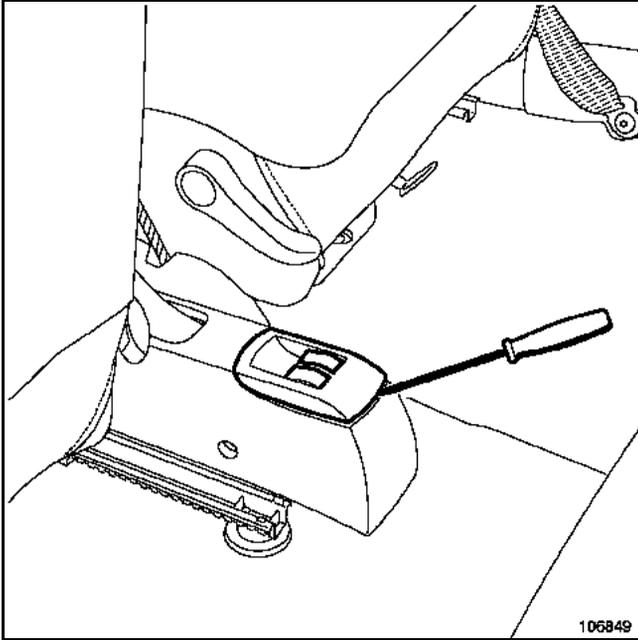


| Track | Description |
|-------|-----------------------|
| A1 | + after ignition feed |
| A2 | Earth |
| A3 | Lower window control |
| B1 | Raise window control |
| B2 | + after ignition feed |
| B3 | + lighting feed |

Passenger's side switches operation

| | A3/A1 | B1/B2 | B1/A2 | A3/A2 |
|-----------------|-------|-------|-------|-------|
| Rest position | 0 Ω | 0 Ω | α | α |
| Open position | α | 0 Ω | α | 0 Ω |
| Closed position | 0 Ω | α | 0 Ω | α |

REMOVAL

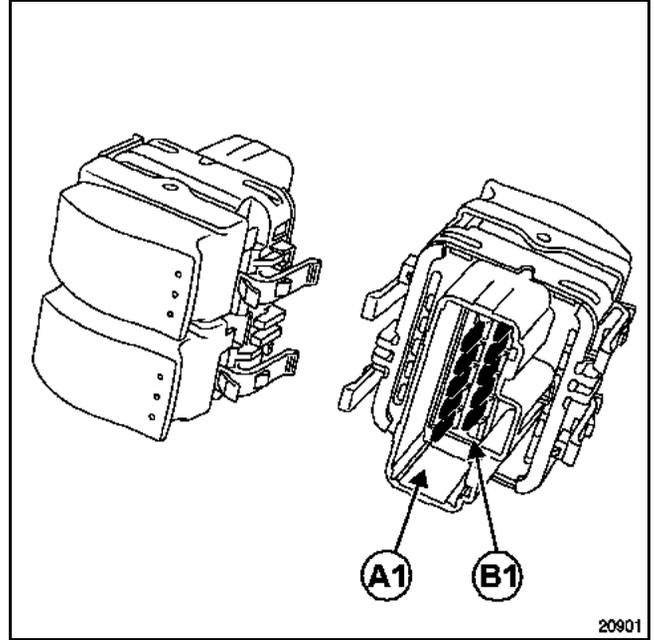


Unclip the switch support using a flat-head screwdriver.

Disconnect the connector.

Remove the window winder switch from the plate.

Switches connection



| Track | Description |
|-------|----------------------------|
| A1 | Lower right window control |
| A2 | + after ignition feed |
| A3 | + lighting feed |
| A4 | + after ignition feed |
| A5 | Lower left window control |
| A6 | Not used |
| B1 | Not used |
| B2 | Raise right window control |
| B3 | + after ignition feed |
| B4 | Earth |
| B5 | + after ignition feed |
| B6 | Raise left window control |

CONTROL - SIGNALS

Electric window switch

84A

Rear left window control

| | A5/B5 | B6/A4 | B6/B4 | A5/B4 |
|-----------------|-------|-------|-------|-------|
| Rest position | 0 Ω | 0 Ω | α | α |
| Open position | α | 0 Ω | α | 0 Ω |
| Closed position | 0 Ω | α | 0 Ω | α |

Rear right window control

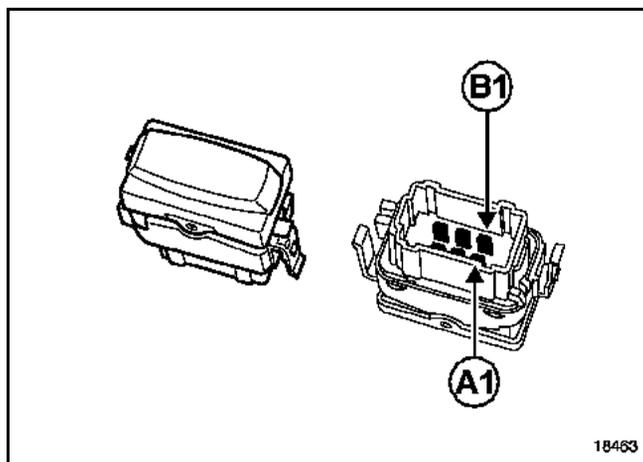
| | A1/B3 | B2/A2 | B2/B4 | A1/B4 |
|-----------------|-------|-------|-------|-------|
| Rest position | 0 Ω | 0 Ω | α | α |
| Open position | α | 0 Ω | α | 0 Ω |
| Closed position | 0 Ω | α | 0 Ω | α |

CONTROL - SIGNALS

Child safety lock switch

84A

This switch, located on the driver's control, is used to disable the rear windows from opening.



Note:

This switch controls a **40A** relay (yellow) located near the UCH support under the driver's side dashboard.

| Track | Description |
|-------|-----------------------|
| A1 | Not used |
| A2 | Not used |
| A3 | Not used |
| B1 | Locking relay control |
| B2 | Earth |
| B3 | + lighting feed |