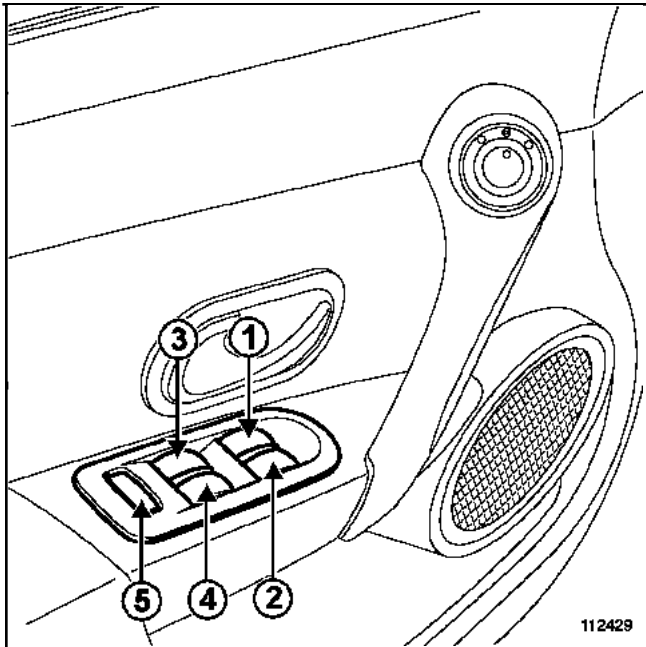


MEGANE

8 Electrical equipment

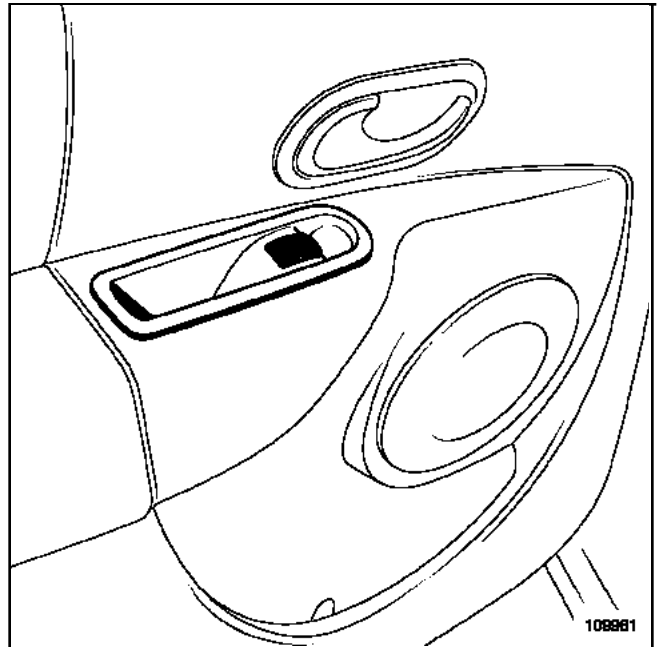
87D ELECTRIC WINDOWS - SUNROOF

Electric windows: List of components and their locations	87D - 1
Electric windows: Component functions	87D - 3
Electric windows: Operating diagram	87D - 5
Electric windows: Function	87D - 6
Electric windows: Defect mode and safe mode	87D - 8
Electric windows: Initialisation	87D - 9
Electric window fault finding: Customer complaints	87D - 10
Fault finding - Fault Finding Chart	87D - 14
Electric sunroof: List of components and their locations	87D - 132
Electric sunroof: Component functions	87D - 134
Electric sunroof: Operating diagram	87D - 136
Sunroof: Operation	87D - 137
Sunroof: Defect mode and safe mode	87D - 138
Electric sunroof: Initialisation	87D - 139
Electric sunroof: Initialisation check	87D - 140
Sunroof fault finding: Customer complaints	87D - 141
Fault finding - Fault Finding Chart	87D - 142

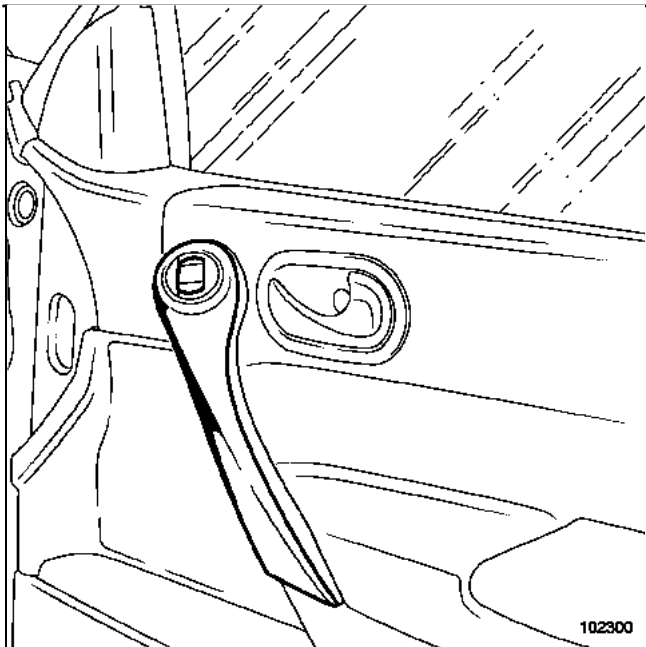


Electric window switch plate on driver's side:

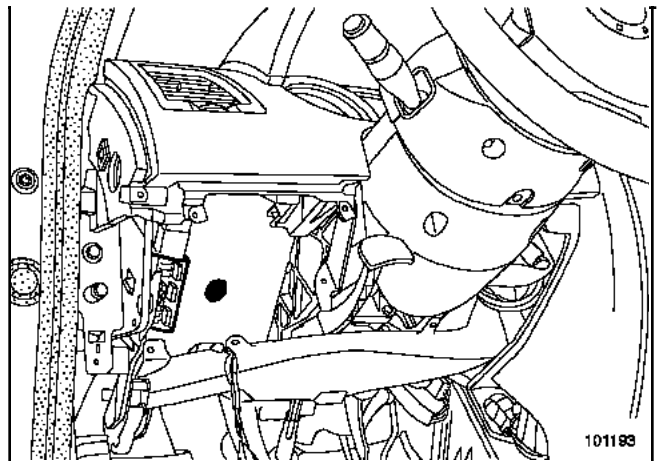
- 1 Driver's electric window switch
- 2 Passenger electric window switch
- 3 Rear left-hand electric window switch
- 4 Rear right-hand electric window switch
- 5 Child safety switch



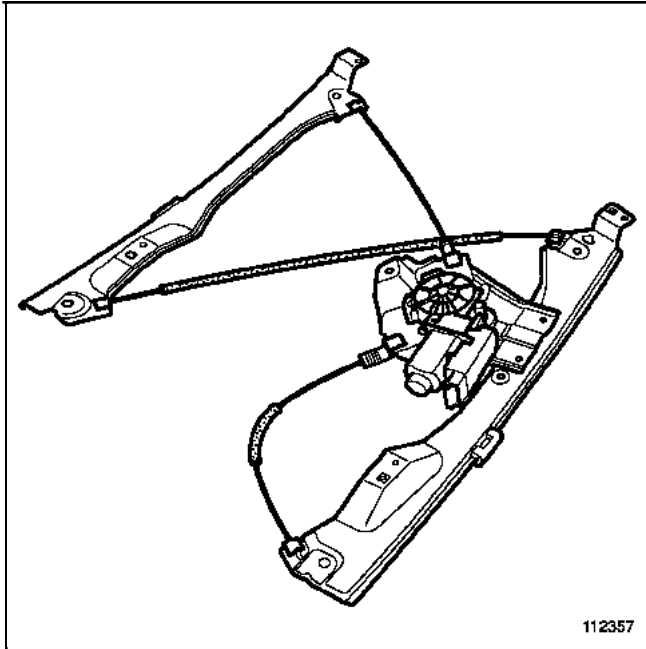
Rear electric window switch



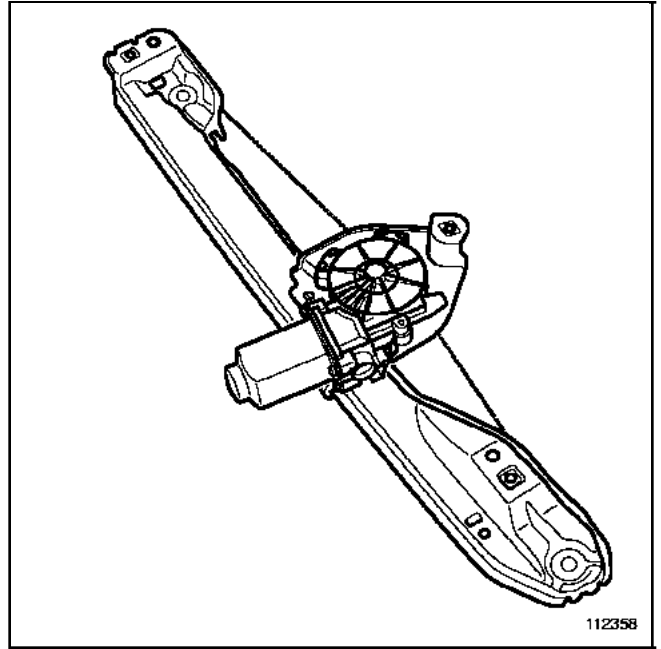
Passenger electric window switch



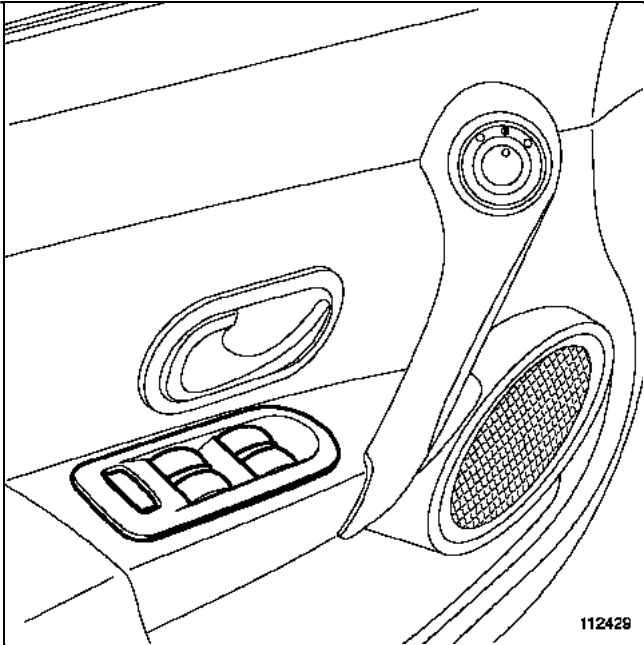
UCH



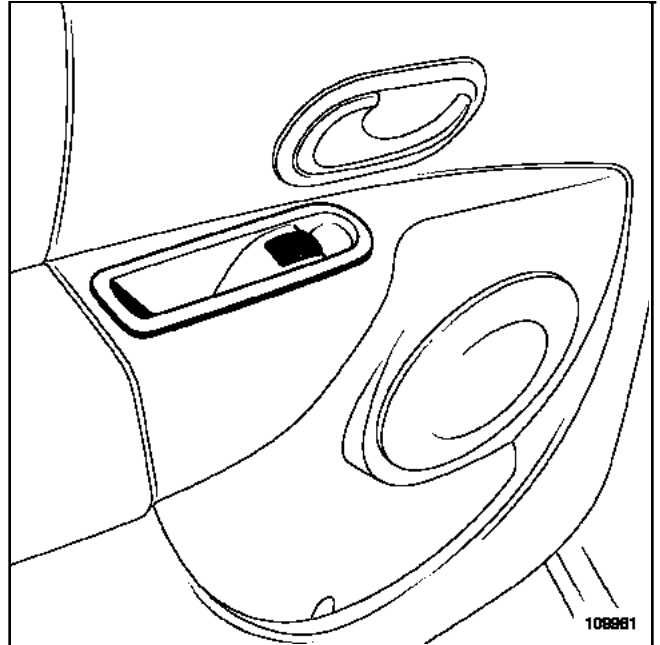
Front electric window motor with its mechanism.



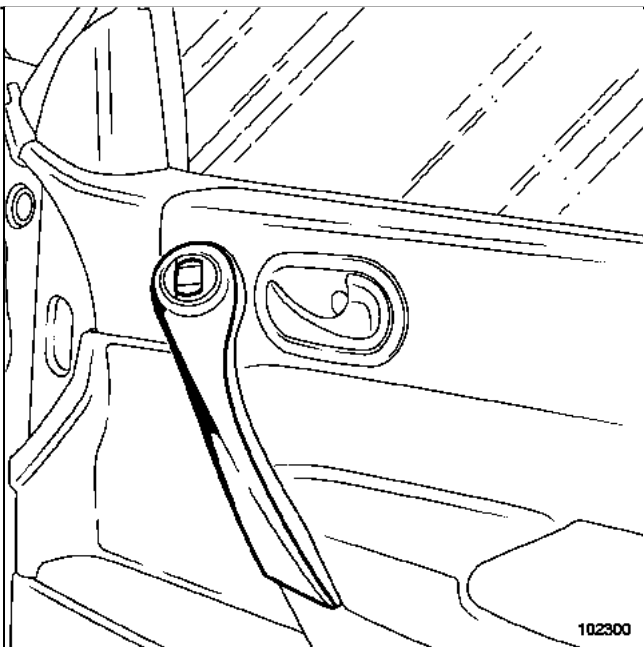
Rear electric window with its mechanism.



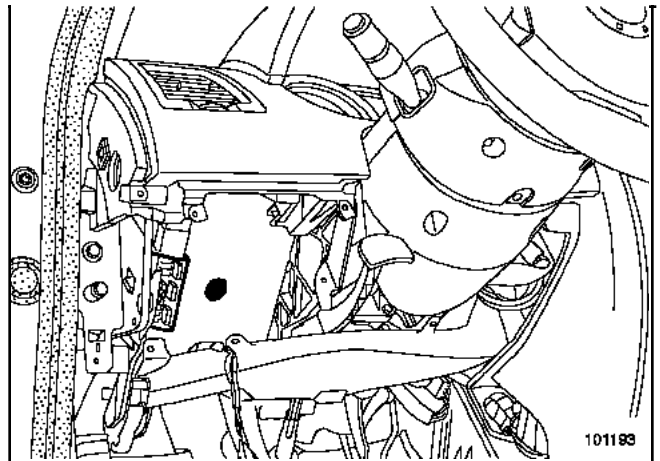
The switch plate on the driver's side enables all the windows to be lowered or raised. The plate also carries a child safety switch to prevent the rear windows from being opened or closed. It also prevents the rear doors from being opened from inside the vehicle.



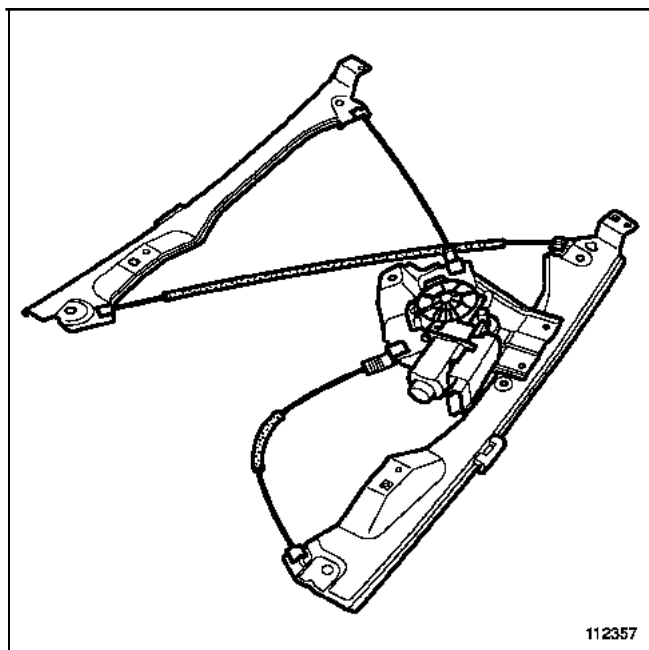
The rear electric window switch opens and closes the rear window if the driver allows it (by means of the child safety switch).



The passenger electric window switch only lowers or raises the window on the passenger side.

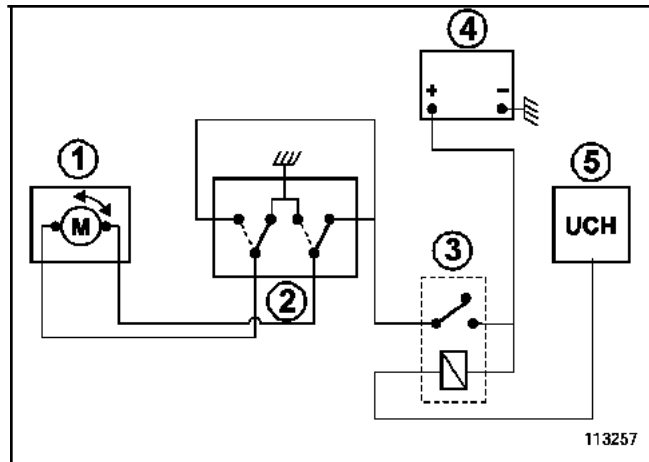


The UCH authorises operation of the electric windows and sends the signal allowing them to be closed remotely.



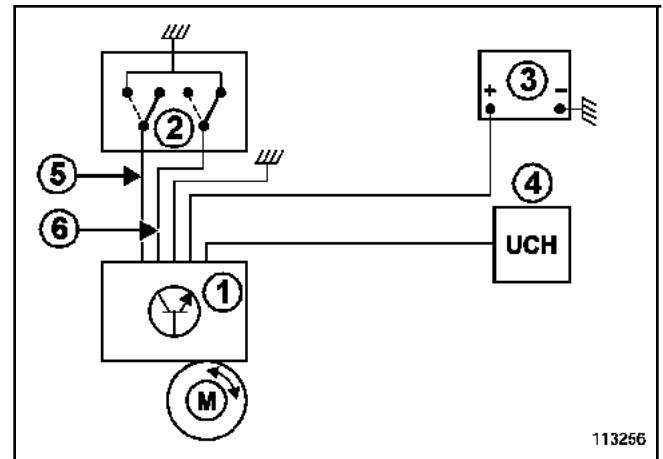
The electric window motor lowers or raises the window, which is guided by the mechanism.

ELECTRIC WINDOWS (without anti-pinch)



- 1 Electric window motor
- 2 Electric window switch
- 3 Accessories relay
- 4 Battery
- 5 UCH

ONE-TOUCH ELECTRIC WINDOWS (with anti-pinch)



- 1 Electric window motor with an electronic circuit to manage the one-touch function
- 2 Electric window switch
- 3 Battery
- 4 UCH (operating authorisation and remote closing signal)
- 5 Down switch connection
- 6 Up switch connection

Note:

One-touch electric window switches are different from electric window switches without anti-pinch.

Types

Three types of front electric window can be fitted to the vehicle:

- driver and passenger electric windows,
- driver's one-touch electric window with anti-pinch/passenger electric window,
- one-touch driver and passenger electric windows with anti-pinch.

Note:

There is no one-touch function on the rear electric windows.

Electric windows

The UCH-controlled motor feed goes via the switch. The switch reverses the polarity to lower or raise the window.

One-touch electric windows

The motor is controlled by an electronic unit incorporated in it, both for lowering and raising in manual mode or automatic mode (one-touch).

The electronic unit receives the authorisation to operate from the UCH (Earth = Authorisation, 12 V = not authorised to operate). The electronic unit can only be controlled by unstable position switches (one up position, one down position). The electrical signal received by the unit means that the input used is connected to earth.

The switch technology employed means that automatic mode cannot be activated directly (double contact technology). That is why the electric window switches have two up positions (contacts) and two down positions (contacts).

Electric mode is activated first (1st contact), followed by one-touch mode (2nd contact). The direction of movement of the window is determined by the first input (connection to earth).

First example

Switch pressed in the **down** direction:

1st contact = **down** switch earthed.

2nd contact = **up** switch earthed.

The electronic unit activates **lowering** of the window in **one-touch** mode.

Second example

Switch pressed in the **up** direction:

1st contact = **up** switch earthed.

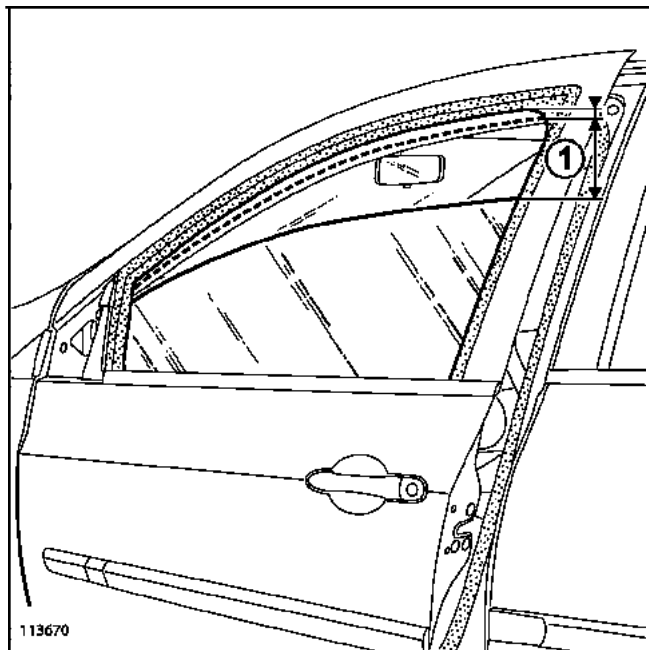
2nd contact = **down** switch earthed.

The electronic unit activates raising of the window in **one-touch** mode.

ANTI-PINCH

The anti-pinch function is a statutory requirement, which is also managed by the electronic unit. This stops the window rising in one-touch mode when it meets an obstacle (e.g. fingers, branches, etc.)

When the system detects an abnormal force (more than 80N) in the 250 mm zone (1), it causes the window to drop back approximately 50 mm.



WARNING

The anti-pinch function is only operational if the windows have been correctly initialised (see **Electric windows: Initialisation**).

INHIBITING THE ANTI-PINCH FUNCTION

The window or the window mechanism may be subject to various mechanical problems (jammed by ice, snow or mechanical distortion as a result of an accident), which can trigger the anti-pinch function. It is possible to inhibit this function so that the window can be closed.

Procedure:

- 1) Close the window in one-touch mode.
The window arrives at the point of resistance, then drops back a few centimetres.
- 2) Close the window in one-touch mode again.
The window arrives at the point of resistance again, then drops back a few centimetres.
- 3) Close the window; the anti-pinch function is inhibited.
The window closes in continuous manual mode without one-touch anti-pinch.

Note:

After the anti-pinch function has been triggered twice in succession, it is inhibited for a period of time. This is why steps 1, 2 and 3 must be carried out one after the other with no more than 3 seconds between each step.

WARNING

To obtain one-touch mode and/or manual mode operation (opening and closing) and the anti-pinch function, the electronic system built into the motor must be correctly initialised.

Note:

A non-initialised system will function while the control switch is pressed, but the window will only travel a maximum of **50 mm**. Every time the switch is pressed the window will travel a similar distance until it reaches the top stop.

Procedure:

Raise the window to the upper limit and maintain the feed at the upper stop for at least **2 seconds**.

Causes of loss of initialisation

- The computer feed is cut off while the electric windows are operating or when the UCH is authorising the operation.
- The theoretical maximum travel goes beyond the upper stop.
- If the correct position was not initialised (obstacle), operation of the window beyond that point will be in jerks (50 mm stages).

NOTES

Only refer to these customer complaints after a full check with the diagnostic tool.

DRIVER AND PASSENGER ELECTRIC WINDOWS

NO ELECTRIC WINDOW OPERATION	ALP 1
ONLY THE DRIVER'S WINDOW DOES NOT OPERATE AT ALL	ALP 2
WINDOWS DO NOT OPERATE AT ALL WITH THE DRIVER'S SWITCH ONLY	ALP 3
THE PASSENGER WINDOW DOES NOT OPERATE AT ALL WITH THE PASSENGER SWITCH ONLY	ALP 4
THE PASSENGER WINDOW DOES NOT OPERATE AT ALL WITH ANY SWITCH	ALP 5

DRIVER AND PASSENGER ONE-TOUCH ELECTRIC WINDOWS

NO ELECTRIC WINDOW OPERATION	ALP 6
ONLY THE DRIVER'S WINDOW DOES NOT OPERATE AT ALL	ALP 7
THE PASSENGER WINDOW DOES NOT OPERATE AT ALL WITH ANY SWITCH	ALP 8
FOR PASSENGER WINDOW USING PASSENGER SWITCH ONLY, OPENING NOT POSSIBLE, NO ONE-TOUCH OPERATION AND THE WINDOW RISES DURING ONE-TOUCH OPENING	ALP 9
FOR PASSENGER WINDOW USING PASSENGER SWITCH ONLY, CLOSING NOT POSSIBLE, NO ONE-TOUCH OPERATION AND THE WINDOW LOWERS DURING ONE-TOUCH CLOSING	ALP 10
FOR PASSENGER WINDOW USING DRIVER'S SWITCH ONLY, CLOSING NOT POSSIBLE, NO ONE-TOUCH OPERATION AND THE WINDOW LOWERS DURING ONE-TOUCH CLOSING	ALP 11
FOR PASSENGER WINDOW USING DRIVER'S SWITCH ONLY, OPENING NOT POSSIBLE, NO ONE-TOUCH OPERATION AND THE WINDOW RISES DURING ONE-TOUCH OPENING	ALP 12
PASSENGER WINDOW CANNOT BE RAISED WITH THE DRIVER'S SWITCH AND CANNOT BE LOWERED WITH THE PASSENGER'S SWITCH	ALP 13
PASSENGER WINDOW CANNOT BE RAISED WITH THE PASSENGER SWITCH AND CANNOT BE LOWERED WITH THE DRIVER'S SWITCH	ALP 14
NO ONE-TOUCH OPERATION OF THE PASSENGER WINDOW WITH THE PASSENGER SWITCH ONLY	ALP 15
NO ONE-TOUCH OPERATION OF THE PASSENGER WINDOW WITH THE DRIVER'S SWITCH ONLY	ALP 16
ONE OR MORE WINDOWS RISE JERKILY IN 50 MM STAGES	ALP 17
WINDOWS CANNOT BE CLOSED REMOTELY	ALP 18

NOTES

Only refer to these customer complaints after a full check with the diagnostic tool.

DRIVER'S ONE-TOUCH ELECTRIC WINDOW AND PASSENGER ELECTRIC WINDOW

ONLY THE DRIVER'S WINDOW DOES NOT OPERATE AT ALL	ALP 19
DRIVER AND PASSENGER WINDOWS DO NOT OPERATE AT ALL WITH THE DRIVER'S SWITCHES ONLY	ALP 20
PASSENGER WINDOW DOES NOT OPERATE AT ALL WITH ANY SWITCH	ALP 21
PASSENGER WINDOW DOES NOT OPERATE AT ALL WITH THE PASSENGER SWITCH ONLY	ALP22
DRIVER'S WINDOW RISES JERKILY IN 50 MM STAGES	ALP23

NOTES

Only refer to these customer complaints after a full check with the diagnostic tool.

REAR ONE-TOUCH ELECTRIC WINDOWS

REAR WINDOWS DO NOT OPERATE AT ALL WITH ANY SWITCH	ALP24
REAR WINDOWS DO NOT OPERATE AT ALL WITH THE DRIVER'S SWITCH ONLY	ALP25
REAR LEFT-HAND WINDOW DOES NOT OPERATE AT ALL WITH ANY SWITCH	ALP26
REAR RIGHT-HAND WINDOW DOES NOT OPERATE AT ALL WITH ANY SWITCH	ALP27
REAR LEFT-HAND WINDOW DOES NOT OPERATE AT ALL WITH REAR SWITCH ONLY	ALP28
REAR RIGHT-HAND WINDOW DOES NOT OPERATE AT ALL WITH REAR SWITCH ONLY	ALP29
REAR LEFT-HAND WINDOW CANNOT BE RAISED WITH REAR SWITCH AND CANNOT BE LOWERED WITH DRIVER'S SWITCH	ALP30
REAR LEFT-HAND WINDOW CANNOT BE LOWERED WITH REAR SWITCH AND CANNOT BE RAISED WITH DRIVER'S SWITCH	ALP31
REAR WINDOWS DO NOT OPERATE AT ALL WITH THE REAR SWITCHES ONLY	ALP32
REAR RIGHT-HAND WINDOW CANNOT BE RAISED WITH REAR SWITCH AND CANNOT BE LOWERED WITH DRIVER'S SWITCH	ALP33
REAR RIGHT-HAND WINDOW CANNOT BE LOWERED WITH REAR SWITCH AND CANNOT BE RAISED WITH DRIVER'S SWITCH	ALP34
IT IS POSSIBLE TO OPEN THE REAR WINDOWS WITH THE REAR SWITCHES AND OPEN THE REAR DOORS WHEN THE CHILD SAFETY SYSTEM IS ACTIVE	ALP35

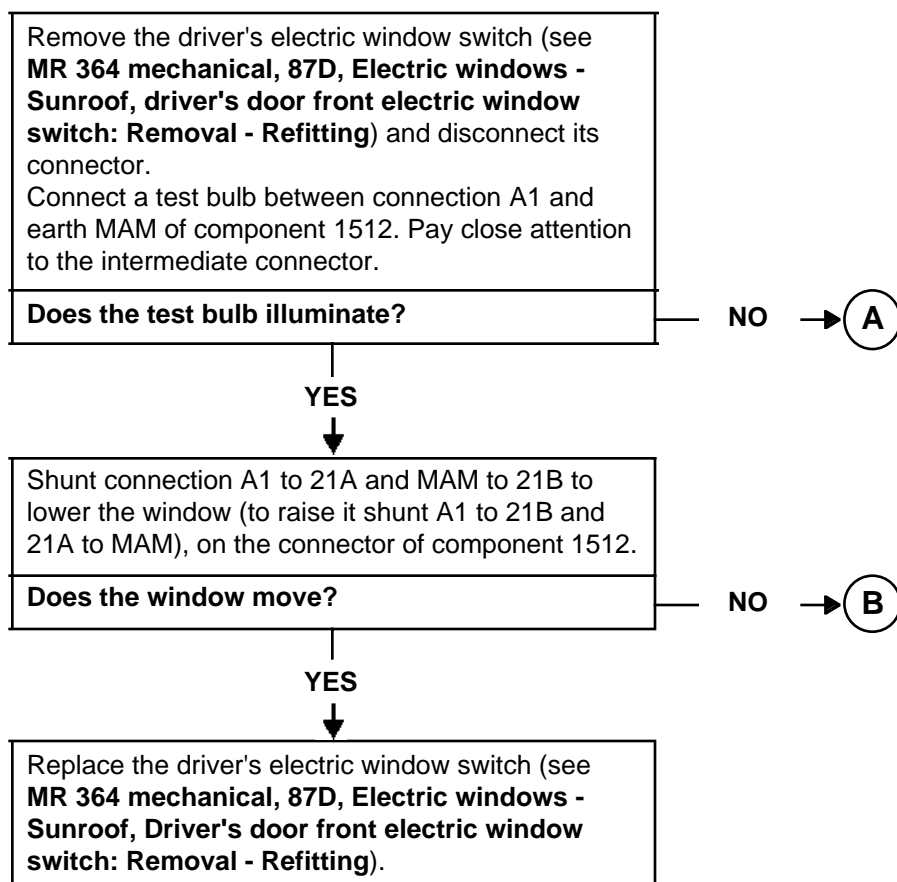
NOTES

Only refer to these customer complaints after a full check with the diagnostic tool.

REAR ONE-TOUCH ELECTRIC WINDOWS (CONTINUED)

ONE OR MORE REAR WINDOWS RISE JERKILY IN 50 MM STAGES	ALP36
FOR REAR LEFT-HAND WINDOW USING DRIVER'S SWITCH ONLY, CLOSING NOT POSSIBLE, NO ONE-TOUCH OPENING AND THE WINDOW LOWERS DURING ONE-TOUCH CLOSING	ALP37
FOR REAR LEFT-HAND WINDOW USING REAR SWITCH ONLY, CLOSING NOT POSSIBLE, NO ONE-TOUCH OPENING AND THE WINDOW LOWERS DURING ONE-TOUCH CLOSING	ALP38
FOR REAR LEFT-HAND WINDOW USING DRIVER'S SWITCH ONLY, OPENING NOT POSSIBLE, NO ONE-TOUCH CLOSING AND THE WINDOW RISES DURING ONE-TOUCH OPENING	ALP39
FOR REAR LEFT-HAND WINDOW USING REAR SWITCH ONLY, OPENING NOT POSSIBLE, NO ONE-TOUCH CLOSING AND THE WINDOW RISES DURING ONE-TOUCH OPENING	ALP40
FOR REAR RIGHT-HAND WINDOW USING DRIVER'S SWITCH ONLY, CLOSING NOT POSSIBLE, NO ONE-TOUCH OPENING AND THE WINDOW LOWERS DURING ONE-TOUCH CLOSING	ALP41
FOR REAR RIGHT-HAND WINDOW USING REAR SWITCH ONLY, CLOSING NOT POSSIBLE, NO ONE-TOUCH OPENING AND THE WINDOW LOWERS DURING ONE-TOUCH CLOSING	ALP42
FOR REAR RIGHT-HAND WINDOW USING DRIVER'S SWITCH ONLY, OPENING NOT POSSIBLE, NO ONE-TOUCH CLOSING AND THE WINDOW RISES DURING ONE-TOUCH OPENING	ALP43
FOR REAR RIGHT-HAND WINDOW USING REAR SWITCH ONLY, OPENING NOT POSSIBLE, NO ONE-TOUCH CLOSING AND THE WINDOW RISES DURING ONE-TOUCH OPENING	ALP44

ALP 1	No electric window operation
Applies to	Driver and passenger electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Check that the fuses are sound. Use a 21 W test bulb.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 1

CONTINUED 1

A

Connect the bulb between connection A1 and the chassis earth.

Does the test bulb illuminate?

NO

Continuity fault on connection A1 between component 1512 and component 260. Pay close attention to the intermediate connector.

If there is a repair procedure (see **Technical Note 6015A, Wiring repair: Precautions for repair**), repair the wiring; if not, replace it.

YES

Check that the component 1512 MAM earth is correctly mounted on the chassis. If the earth is faulty, clean and retighten it. Otherwise the fault is caused by the wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring; if not, replace it.

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 1

CONTINUED 2

B

Connect a test bulb between connection 21B and earth 21A of component 203.

Reconnect the electric window switch and operate it. Does the test bulb illuminate?

NO

Continuity fault on connections 21A and 21B between component 1512 and component 203.

If there is a repair procedure (see **Technical Note 6015A, Wiring repair: Precautions for repair**), repair the wiring; if not, replace it.

YES

Replace the motor (see **MR 365 bodywork, 51A, Side opening element mechanisms, Front door electric window mechanism: Removal - Refitting**).

Run fault finding using ALP 5.

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 2	Only the driver's window does not operate at all
Applies to:	Driver and passenger electric windows Left-hand drive vehicles
NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Carry out the various checks with the battery charged and + after ignition feed switched on.</p> <p>Use a 21 W test bulb.</p>
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting) and disconnect its connector.</p> <p>Connect a test bulb between connection A1 and earth MAM of component 1512.</p> <p>Does the test bulb illuminate?</p> <p style="text-align: center;">YES</p> <p>↓</p> <p>Shunt connection A1 to 21A and MAM to 21B to lower the window (to raise it shunt A1 to 21B and 21A to MAM), on the connector of component 1512.</p> <p>Does the window move?</p> <p style="text-align: center;">YES</p> <p>↓</p> <p>Replace the driver's electric window switch. (see MR 364 mechanical, 87D, Electric windows - Sunroof, Driver's door front electric window switch: Removal - Refitting).</p> </div> <div style="width: 50%;"> <p>NO →</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Check that earth MAM is correctly mounted on the chassis. If the earth is faulty, clean and retighten it. Otherwise the fault is caused by the wiring; if there is a repair procedure (see Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring; if not, replace it.</p> </div> <p>NO → (A)</p> </div> </div>	
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

ALP 2 CONTINUED

A

Connect the test bulb between connection 21B and earth 21A of component 203.

Reconnect the electric window switch and operate it. Does the test bulb illuminate?

NO

Continuity fault on connection 21A and/or 21B. If there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

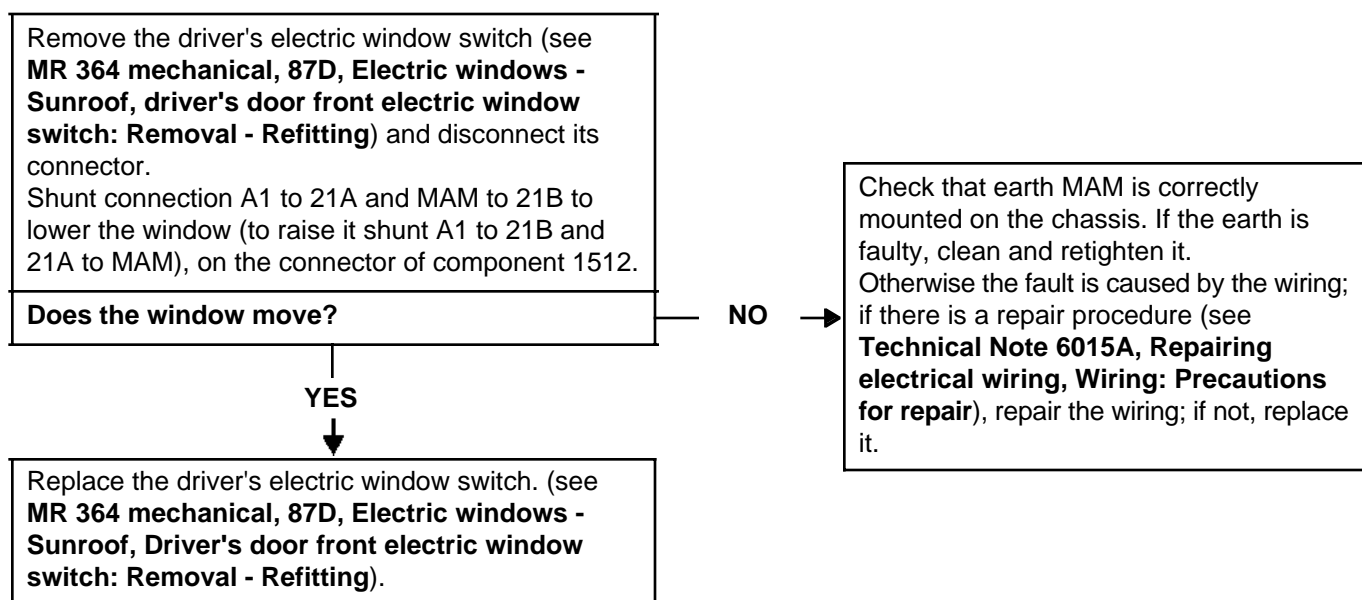
YES

Replace the motor (see **MR 365 bodywork, 51A, Side opening element mechanisms, Front door electric window mechanism: Removal - Refitting**).

AFTER REPAIR

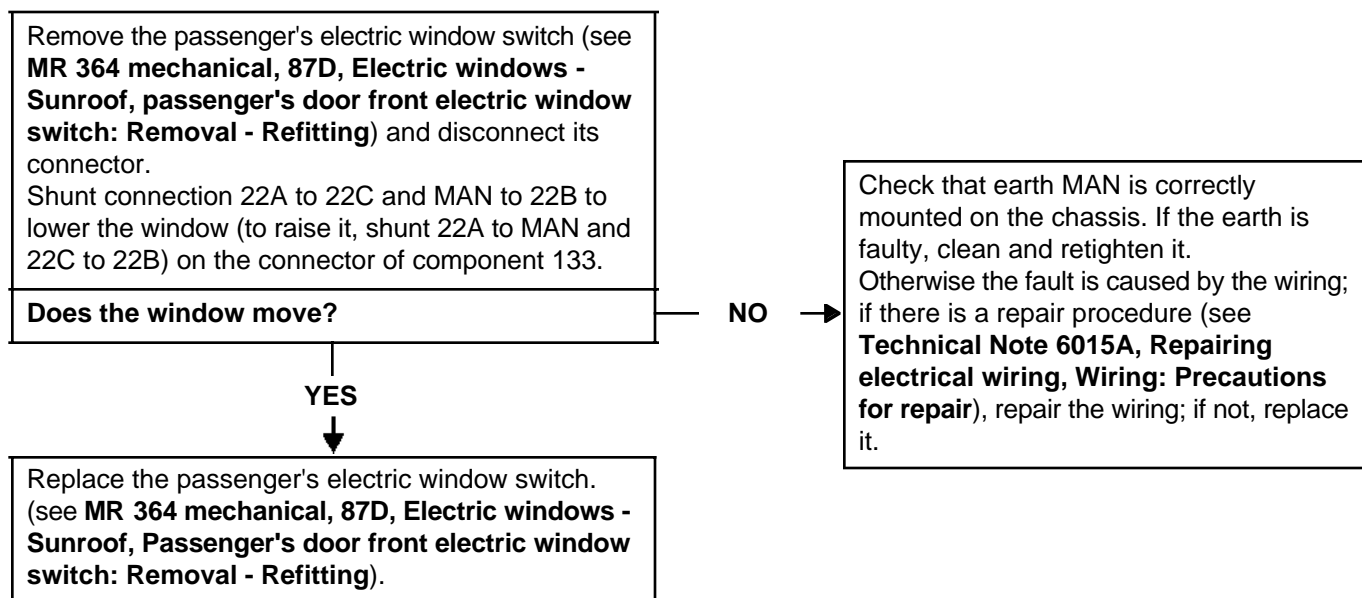
Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 3	The windows do not operate at all with the driver's switch only
Applies to:	Driver and passenger electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on.



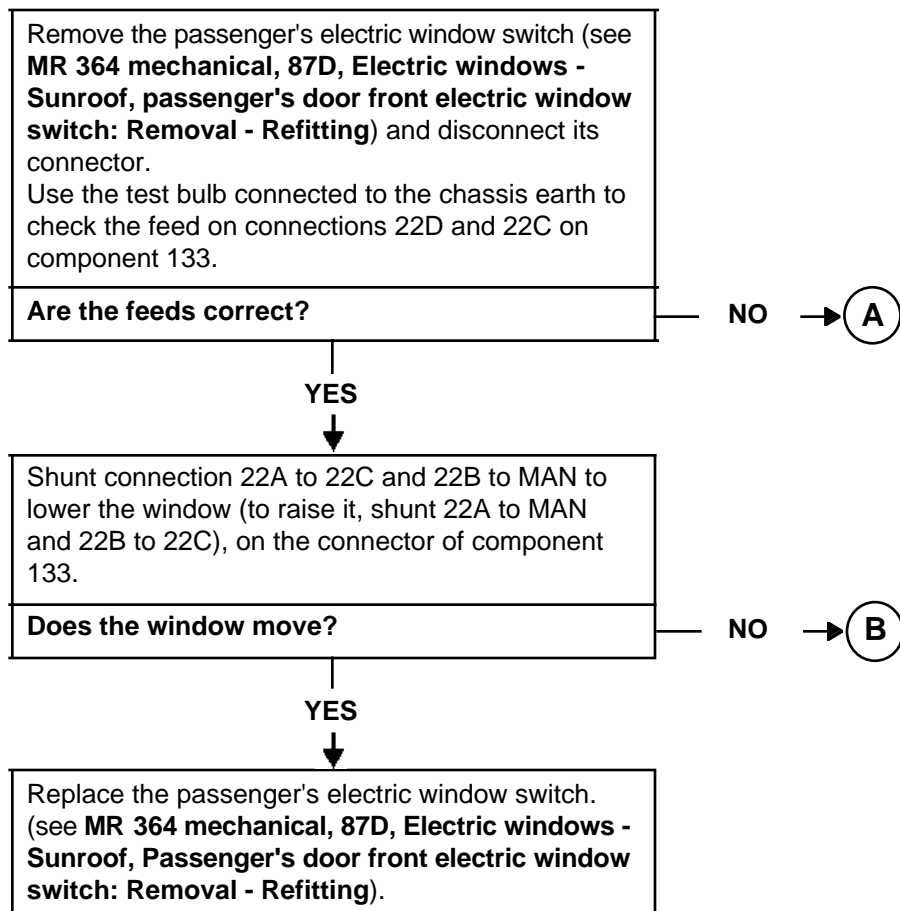
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP 4	The passenger window does not operate at all with the passenger switch only
Applies to:	Driver and passenger electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 5	The passenger window does not operate at all with any switch
Applies to:	Driver and passenger electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a 21 W test bulb.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 5
CONTINUED 1



Remove the driver's electric window switch (see **MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting**).
Shunt connection A1 to 22D and 22C on the connector of component 1512.
Using the test bulb connected to the chassis earth, check the feeds again on connections 22D and 22C on component 133.

Are the feeds correct?

NO

Continuity fault on connection 22C and 22B. If there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

YES

Replace the driver's electric window switch. (see **MR 364 mechanical, 87D, Electric windows - Sunroof, Driver's door front electric window switch: Removal - Refitting**).

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 5
CONTINUED 2**B**

Connect the test bulb between connection 22B and connection 22A on component 204.

Reconnect the electric window switch and operate it. Does the test bulb illuminate?

NO

Continuity fault on connection 22A and/or 22B. If there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

YES

Replace the motor (see **MR 365 bodywork, 51A, Side opening element mechanisms, Front door electric window mechanism: Removal - Refitting**).

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 6

No electric window operation

Applies to:

Driver and passenger one-touch electric windows
Left-hand drive vehicles

NOTES

Use Technical Note Wiring diagram, Mégane II ph2.
Carry out the various checks with the battery charged and + after ignition feed switched on.
Check that the fuses are sound and that the UCH is correctly configured.
Use the diagnostic tool.

Use the diagnostic tool to read the faults in the UCH.

Is fault (DF031) present?

NO

Run fault finding using **ALP 7**.

YES

Is the fault
(DF031 CC.1)?

A

Is the fault
(DF031 CC.0)?

Line 21K is cut in the passenger compartment wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 6

CONTINUED 1

A

Disconnect connector R3.
Switch off the + after ignition feed then switch it on again.

Does fault (DF031 CC.1) become a stored fault?

YES

Line 21K has a short circuit to + 12 V in the driver's door wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

NO

Reconnect connector R3 and disconnect connector R13.
Switch off the + after ignition feed then switch it on again.

Does fault (DF031 CC.1) become a stored fault?

YES

Line 21K has a short circuit to + 12 V in the rear left-hand door wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

NO

Reconnect connector R13 and disconnect connector R243.
Switch off the + after ignition feed then switch it on again.

Does fault (DF031 CC.1) become a stored fault?

YES

Line 21K has a short circuit to + 12 V in the rear right-hand door wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

NO

B

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 6

CONTINUED 2

B

Reconnect connector R243 and disconnect connector R4.
Switch off the + after ignition feed then switch it on again.

Does fault (DF031 CC.1) become a stored fault?

YES

Line 21K has a short circuit to + 12 V in the passenger door wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

NO

Does the vehicle have a sunroof?

YES

Disconnect connector R301.
Switch off the + after ignition feed then switch it on again.

Does fault (DF031 CC.1) become a stored fault?

NO

Line 21K has a short circuit to + 12 V in the passenger compartment wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

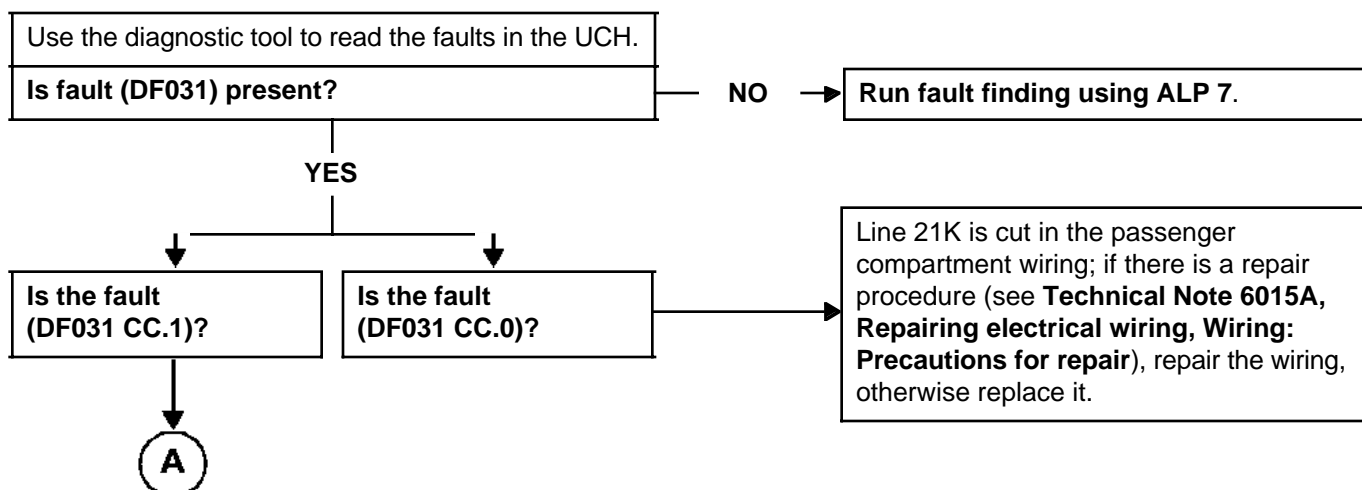
YES

Line 21K has a short circuit to + 12 V in the sunroof wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 6	No electric window operation
Applies to:	Driver and passenger one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Check that the fuses are sound and that the UCH is correctly configured. Use the diagnostic tool.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 6

CONTINUED 1

A

Disconnect connector R3.
Switch off the + after ignition feed then switch it on again.

Does fault (DF031 CC.1) + 12 V become stored?

YES

Line 21K has a short circuit to + 12 V in the driver's door wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

NO

Reconnect connector R3 and disconnect connector R13.
Switch off the + after ignition feed then switch it on again.

Does fault (DF031 CC.1) become a stored fault?

YES

Line 21K has a short circuit to + 12 V in the rear left-hand door wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

NO

Reconnect connector R13 and disconnect connector R243.
Switch off the + after ignition feed then switch it on again.

Does fault (DF031 CC.1) become a stored fault?

YES

Line 21K has a short circuit to + 12 V in the rear right-hand door wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

NO

B

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 6

CONTINUED 2

B

Reconnect connector R243 and disconnect connector R4.
Switch off the + after ignition feed then switch it on again.

Does fault (DF031 CC.1) become a stored fault?

YES

Line 21K has a short circuit to + 12 V in the passenger door wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

NO

Does the vehicle have a sunroof?

YES

NO

Line 21K has a short circuit to + 12 V in the passenger compartment wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

NO

Disconnect connector R301.
Switch off the + after ignition feed then switch it on again.

Does fault (DF031 CC.1) become a stored fault?

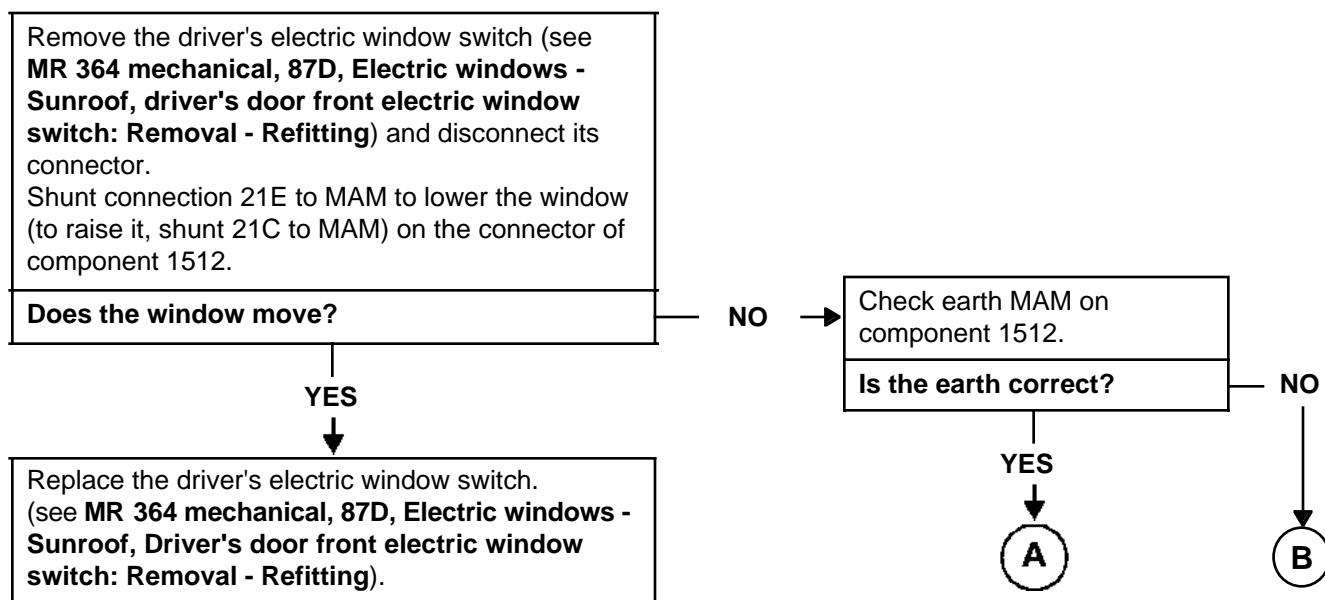
YES

Line 21K has a short circuit to + 12 V in the sunroof wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

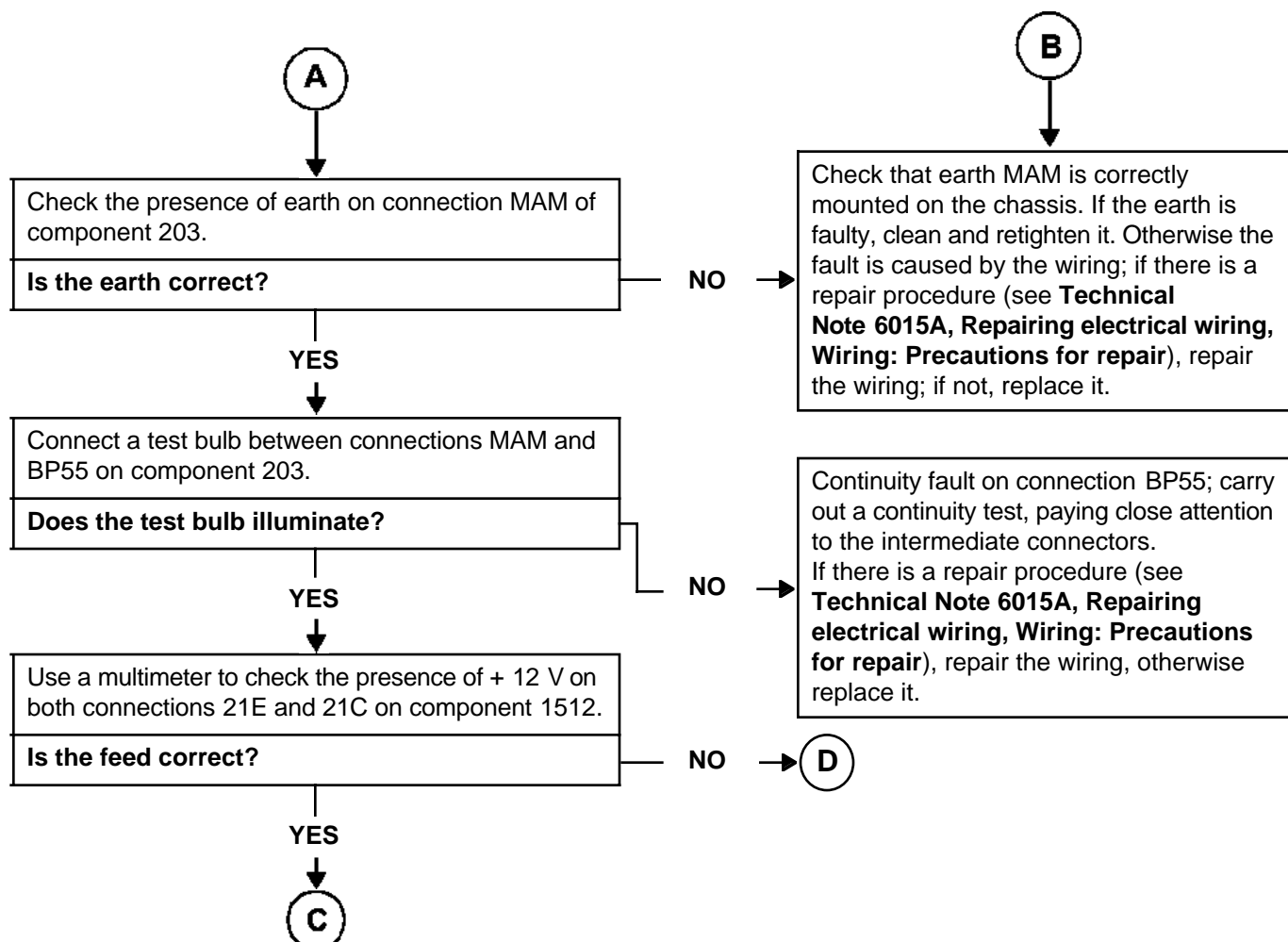
ALP 7	Only the driver's window does not operate at all
Applies to:	Driver and passenger one-touch electric windows Left-hand drive vehicles
NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Carry out the various checks with the battery charged and + after ignition feed switched on.</p> <p>Check that the fuses are sound.</p> <p>Using a 21 W test bulb and a multimeter.</p>



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 7

CONTINUED 1



AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 7
CONTINUED 2**C**

Use a multimeter to check the presence of + 12 V on both connections 21K and BP 55 on component 203.

Is the feed correct?**NO**

Continuity fault on connection 21K between component 203 and component 645.

If there is a repair procedure (see **Technical Note 6015A, Wiring repair: Precautions for repair**), repair the wiring; if not, replace it.

YES

Replace the electric window motor (see **MR 365 bodywork, 51A, Side opening element mechanisms, Front door electric window mechanism: Removal - Refitting**).

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 7**CONTINUED 3****D**

Check the continuity of connections 21E and 21C between component 1512 and component 203.

Is the continuity of the connections correct?

NO

If there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring: Precautions for repair**), repair the wiring; if not, replace it.

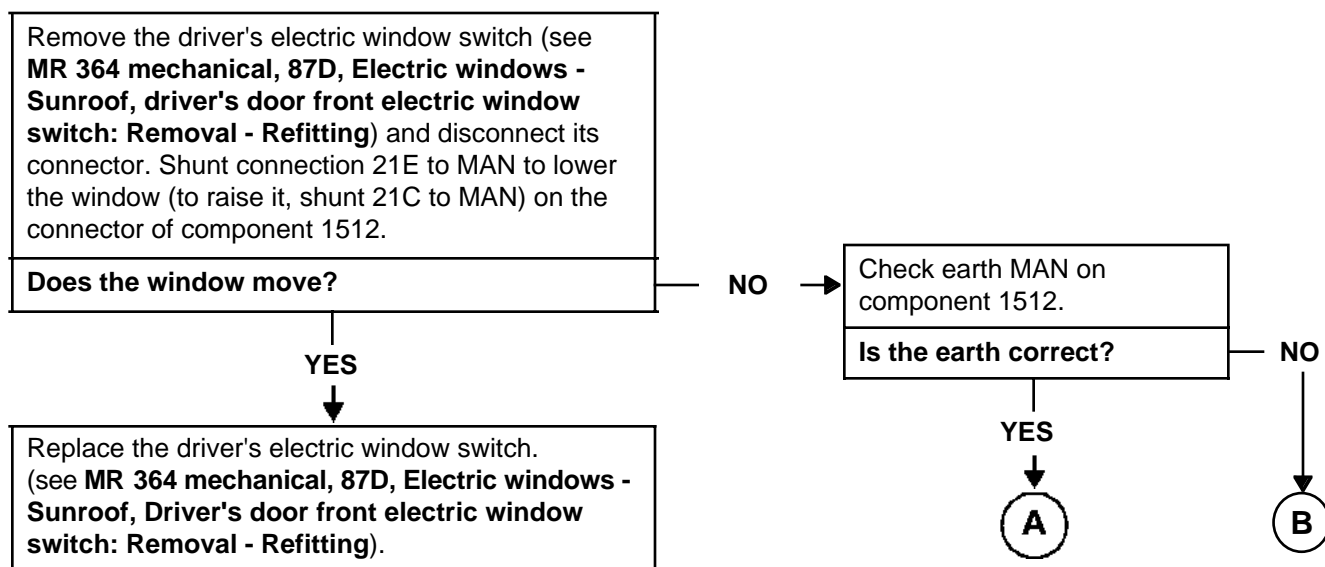
YES

Replace the electric window motor (see **MR 365 bodywork, 51A, Side opening element mechanisms, Front door electric window mechanism: Removal - Refitting**).

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

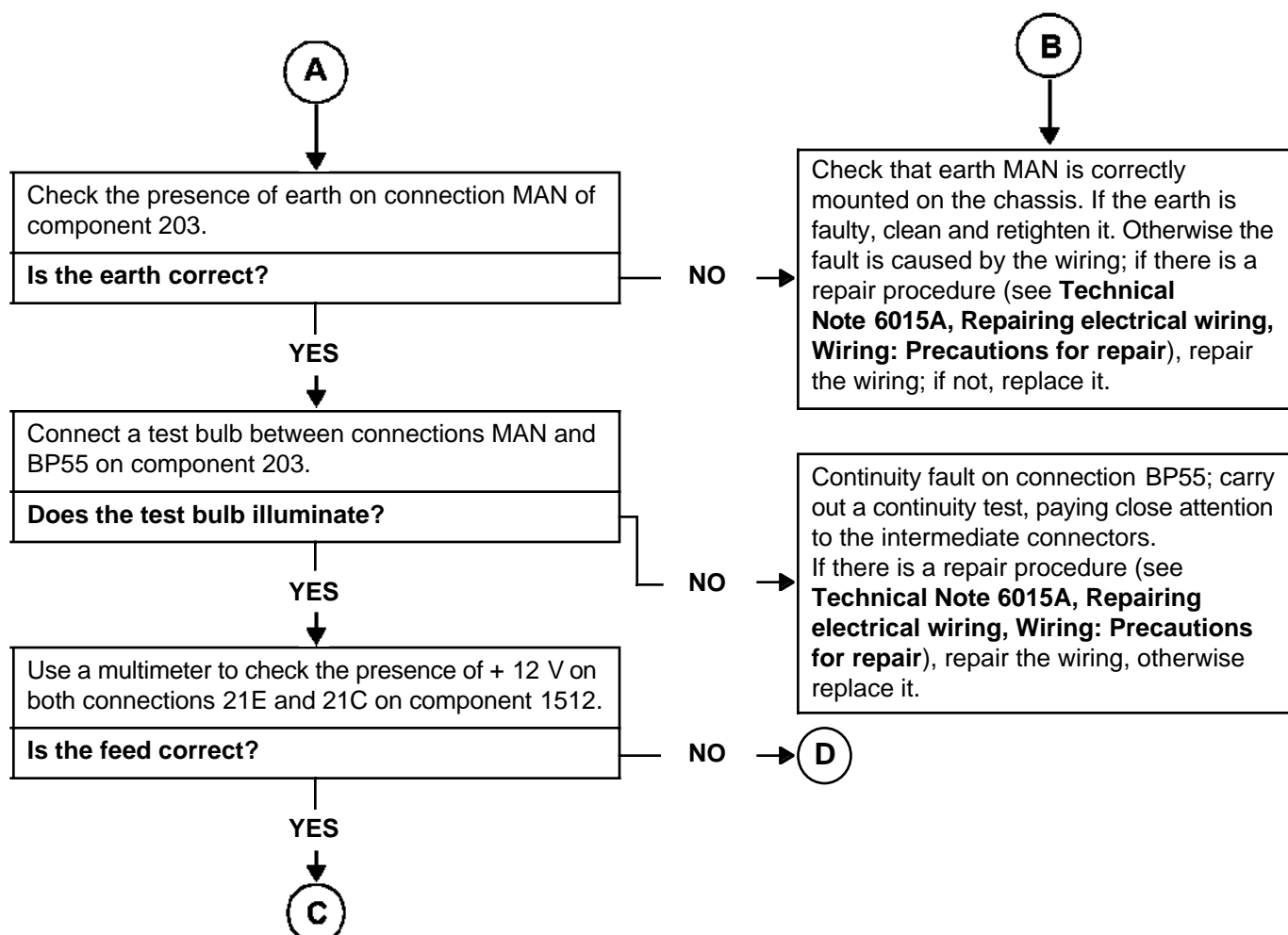
ALP 7	Only the driver's window does not operate at all
Applies to:	Driver and passenger one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Check that the fuses are sound. Using a 21 W test bulb and a multimeter.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 7

CONTINUED 1



AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 7

CONTINUED 2

C

Use a multimeter to check the presence of + 12 V on both connections 21K and BP 55 on component 203.

Is the feed correct?

NO

Continuity fault on connection 21K between component 203 and component 645.

If there is a repair procedure (see **Technical Note 6015A, Wiring repair: Precautions for repair**), repair the wiring; if not, replace it.

YES

Replace the electric window motor (see **MR 365 bodywork, 51A, Side opening element mechanisms, Front door electric window mechanism: Removal - Refitting**).

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 7
CONTINUED 3**D**

Check the continuity of connections 21E and 21C between component 1512 and component 203.

Is the continuity of the connections correct?

NO

If there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring: Precautions for repair**), repair the wiring; if not, replace it.

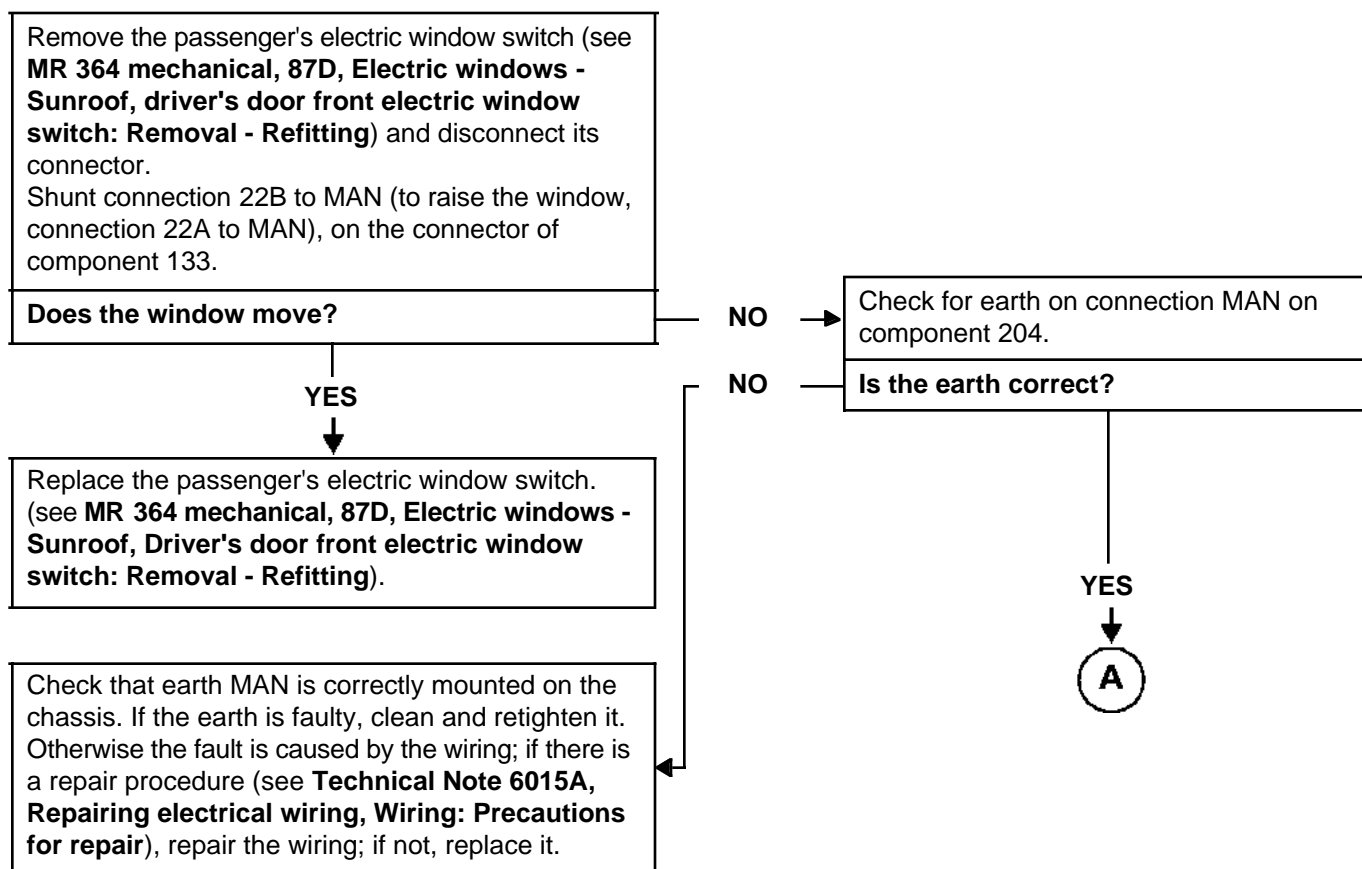
YES

Replace the electric window motor (see **MR 365 bodywork, 51A, Side opening element mechanisms, Front door electric window mechanism: Removal - Refitting**).

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

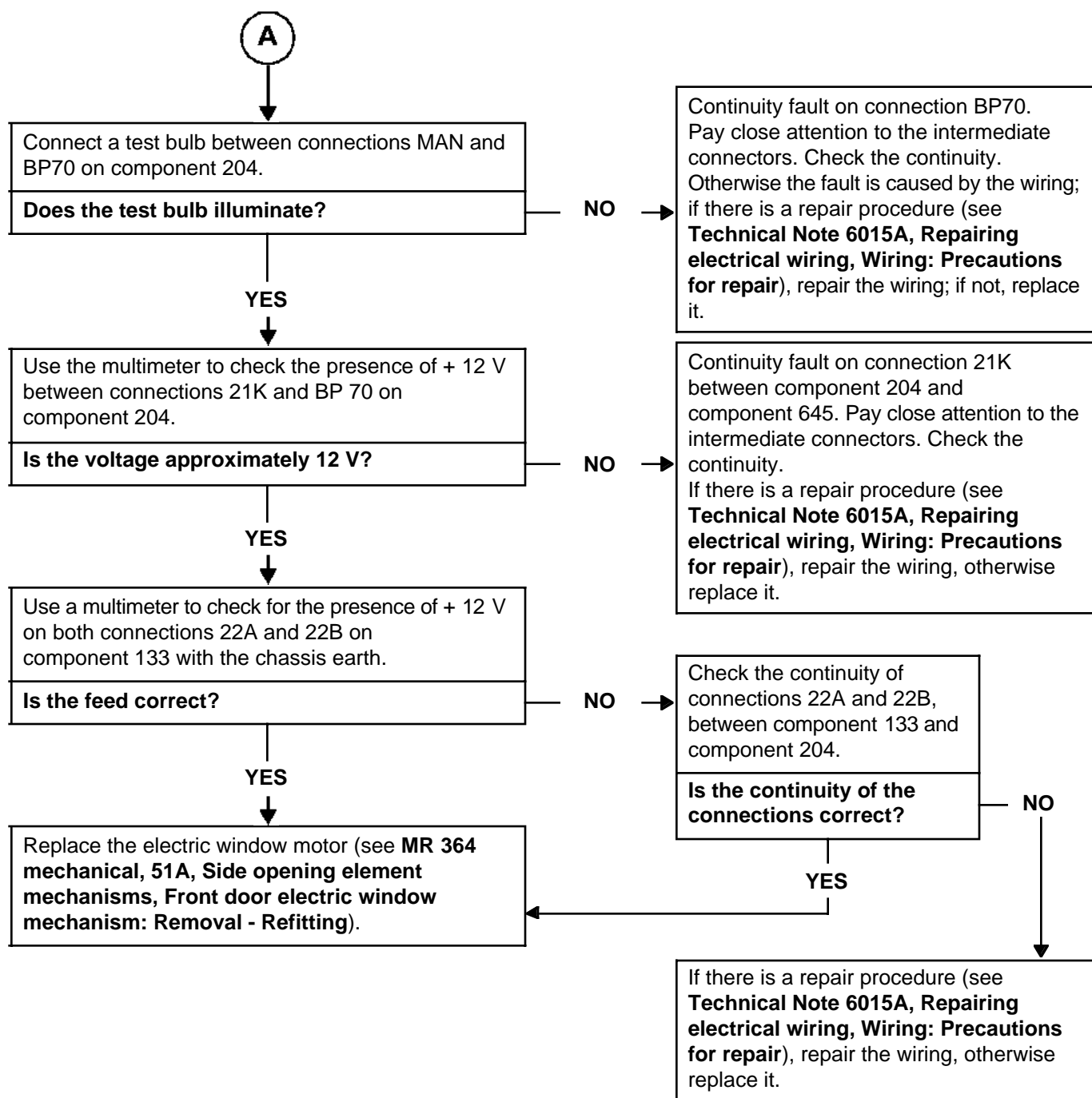
ALP 8	The passenger window does not operate at all with any switch
Applies to:	Driver and passenger one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Check that the fuses are sound. Using a 21 W test bulb and a multimeter.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 8

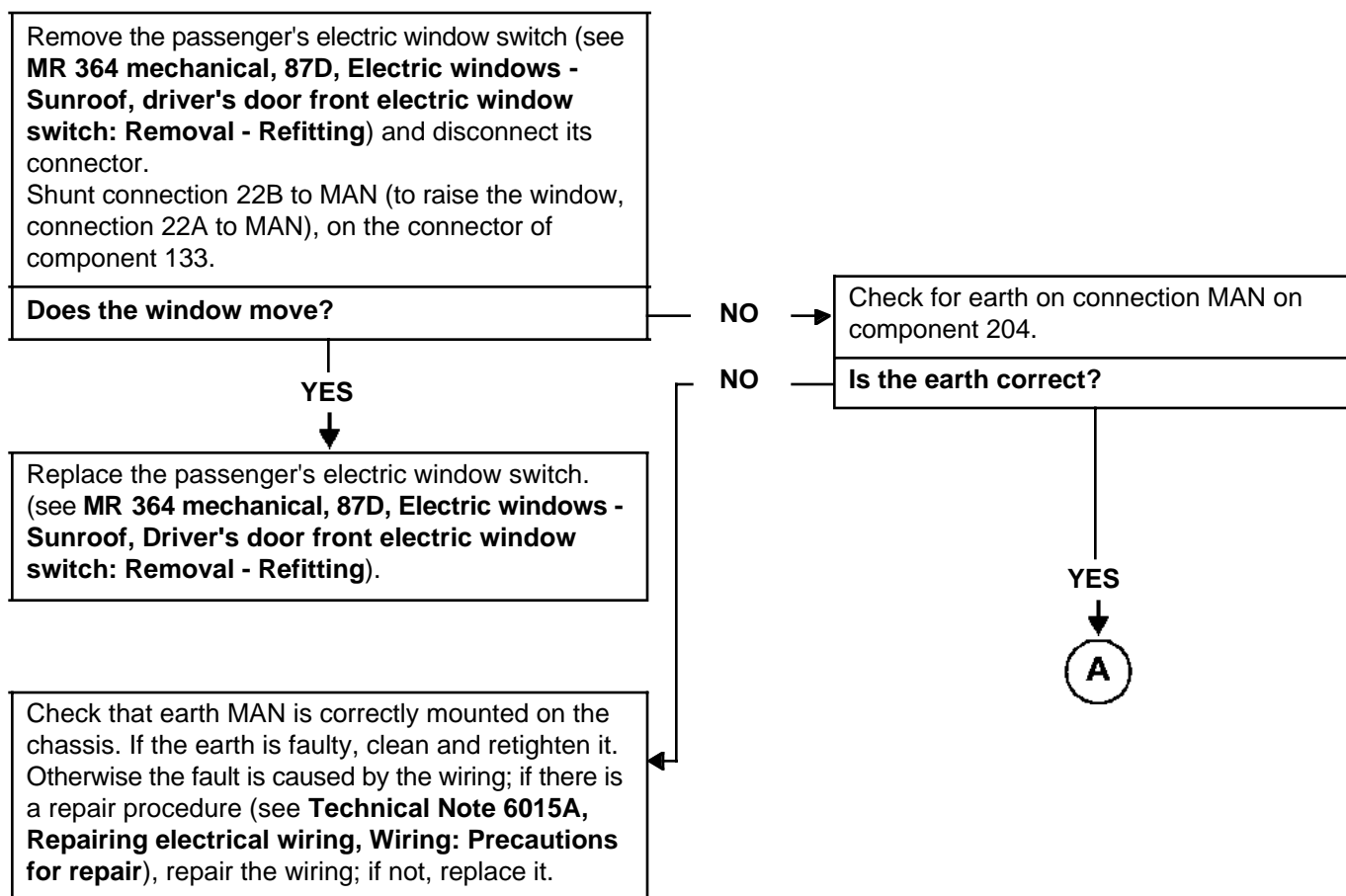
CONTINUED



AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

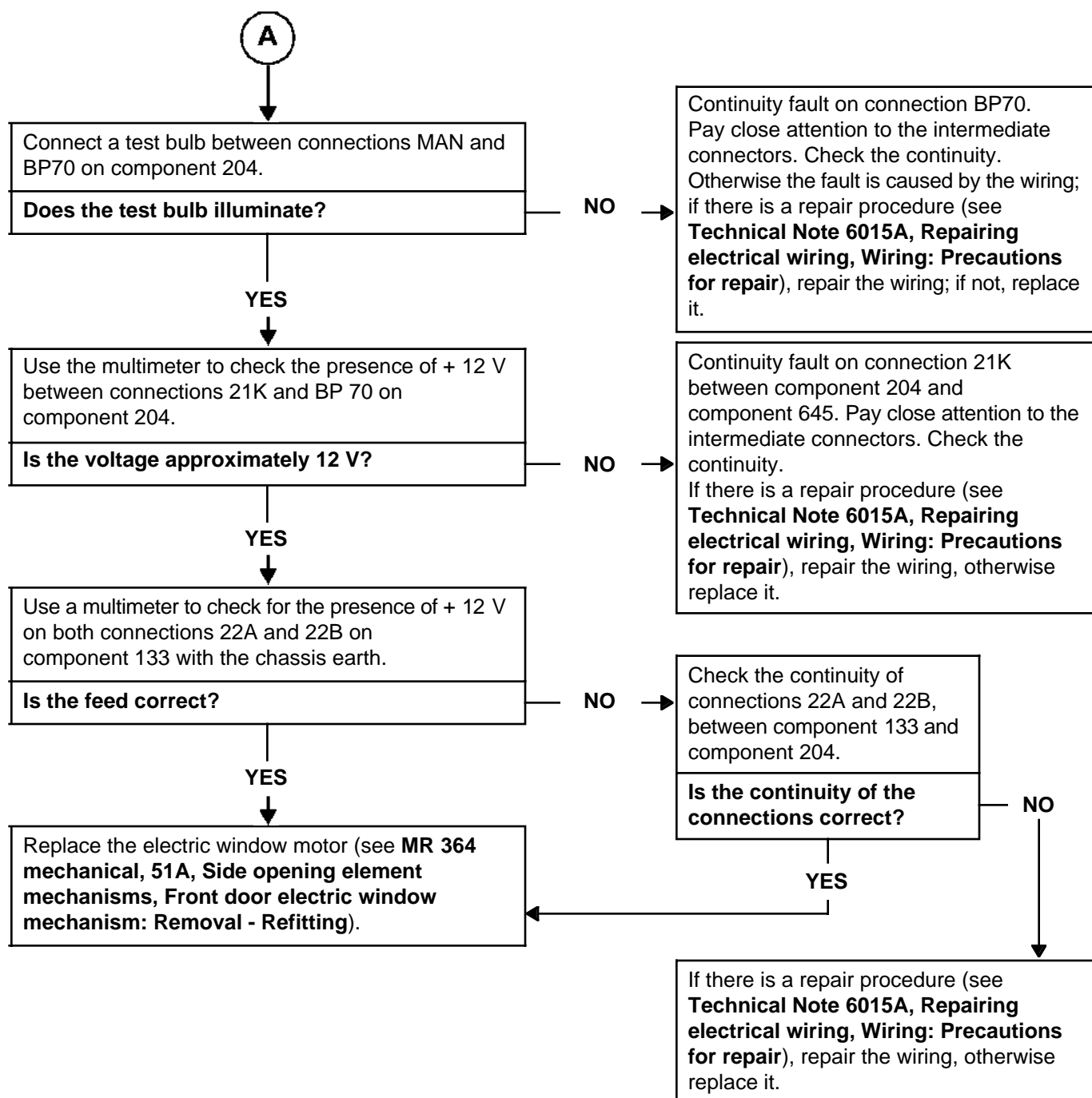
ALP 8	The passenger window does not operate at all with any switch
Applies to:	Driver and passenger one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Check that the fuses are sound. Using a 21 W test bulb and a multimeter.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 8

CONTINUED



AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

ALP 9	For passenger window using passenger switch only, opening not possible, no one-touch operation and the window rises during one-touch opening
--------------	---

Applies to:	Driver and passenger one-touch electric windows Left-hand drive vehicles
--------------------	---

NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
--------------	--

Remove the passenger's electric window switch (see **MR 364 mechanical, 87D, Electric windows - Sunroof, passenger's door front electric window switch: Removal - Refitting**) and disconnect its connector.
Use an ohmmeter to check the continuity on connection 22B between components 133 and 204.

Is the continuity good?

NO →

If there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

YES
↓

Replace the passenger's electric window switch.
(see **MR 364 mechanical, 87D, Electric windows - Sunroof, Passenger's door front electric window switch: Removal - Refitting**).

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 9	For passenger window using passenger switch only, opening not possible, no one-touch operation and the window rises during one-touch opening
--------------	---

Applies to:	Driver and passenger one-touch electric windows Right-hand drive vehicles
--------------------	--

NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
--------------	--

Remove the passenger's electric window switch (see **MR 364 mechanical, 87D, Electric windows - Sunroof, passenger's door front electric window switch: Removal - Refitting**) and disconnect its connector.
Use an ohmmeter to check the continuity on connection 22B between components 133 and 204.

Is the continuity good?

NO →

If there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

YES
↓

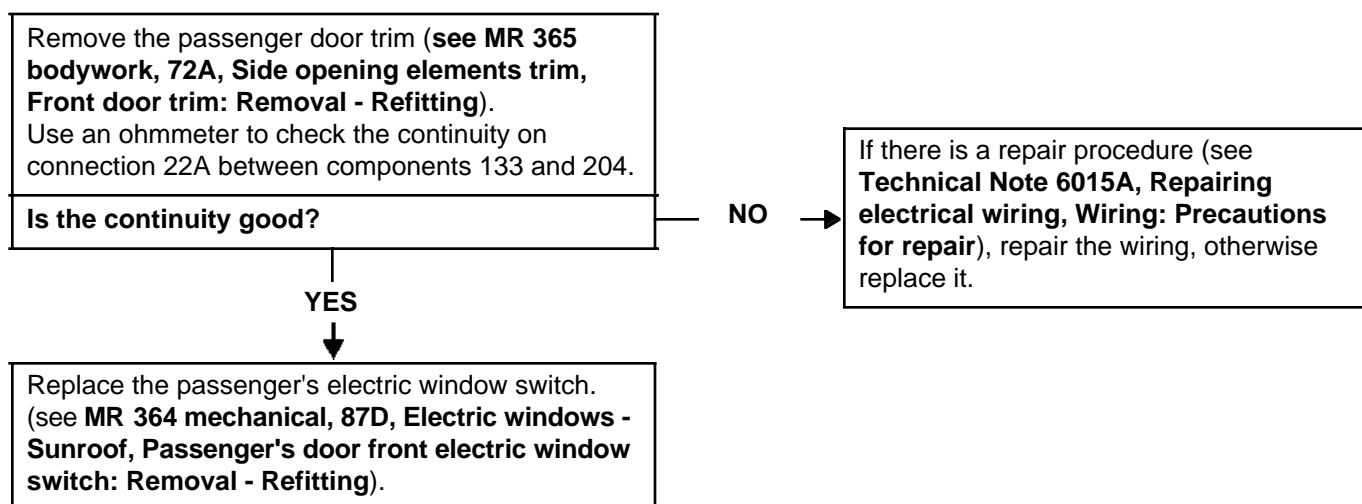
Replace the passenger's electric window switch.
(see **MR 364 mechanical, 87D, Electric windows - Sunroof, Passenger's door front electric window switch: Removal - Refitting**).

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 10	For passenger window using passenger switch only, closing not possible, no one-touch operation and the window lowers during one-touch closing
---------------	--

Applies to:	Driver and passenger one-touch electric windows Left-hand drive vehicles
--------------------	---

NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
--------------	--



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 10	For passenger window using passenger switch only, closing not possible, no one-touch operation and the window lowers during one-touch closing
---------------	--

Applies to:	Driver and passenger one-touch electric windows Right-hand drive vehicles
--------------------	--

NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
--------------	--

Remove the passenger door trim (see **MR 365 bodywork, 72A, Side opening elements trim, Front door trim: Removal - Refitting**).
Use an ohmmeter to check the continuity on connection 22A between components 133 and 204.

Is the continuity good?

NO →

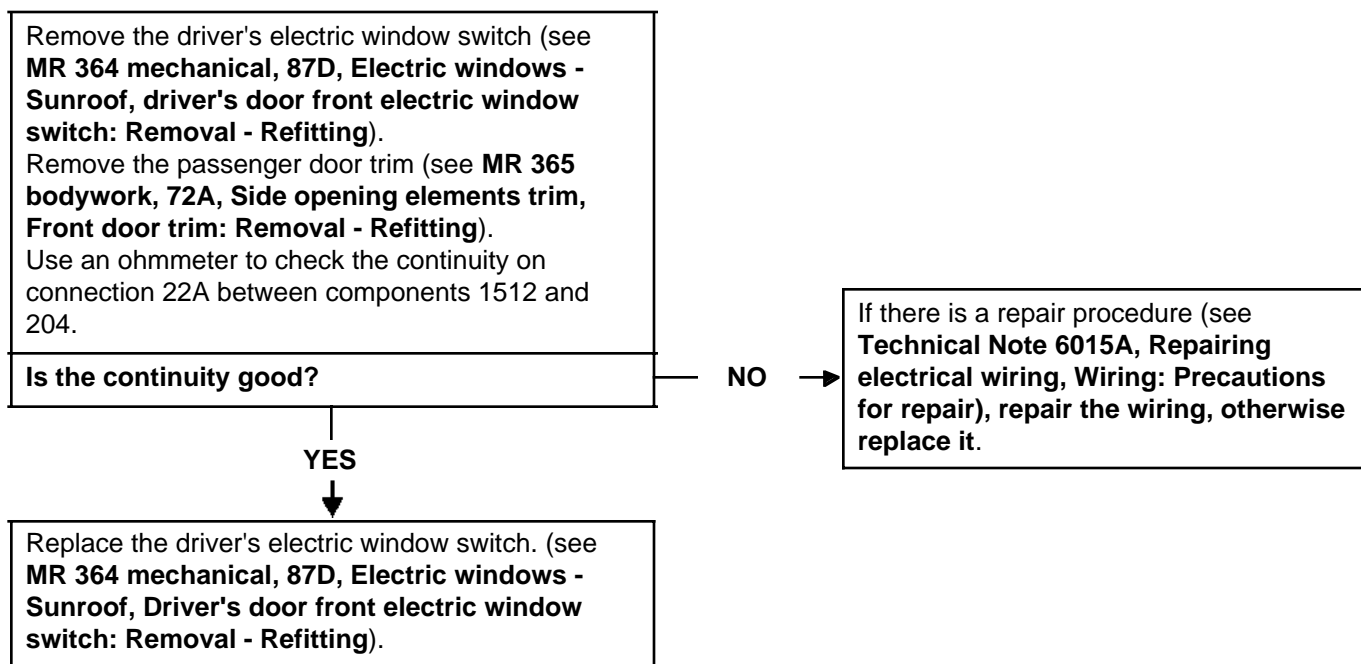
If there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

YES
↓

Replace the passenger's electric window switch.
(see **MR 364 mechanical, 87D, Electric windows - Sunroof, Passenger's door front electric window switch: Removal - Refitting**).

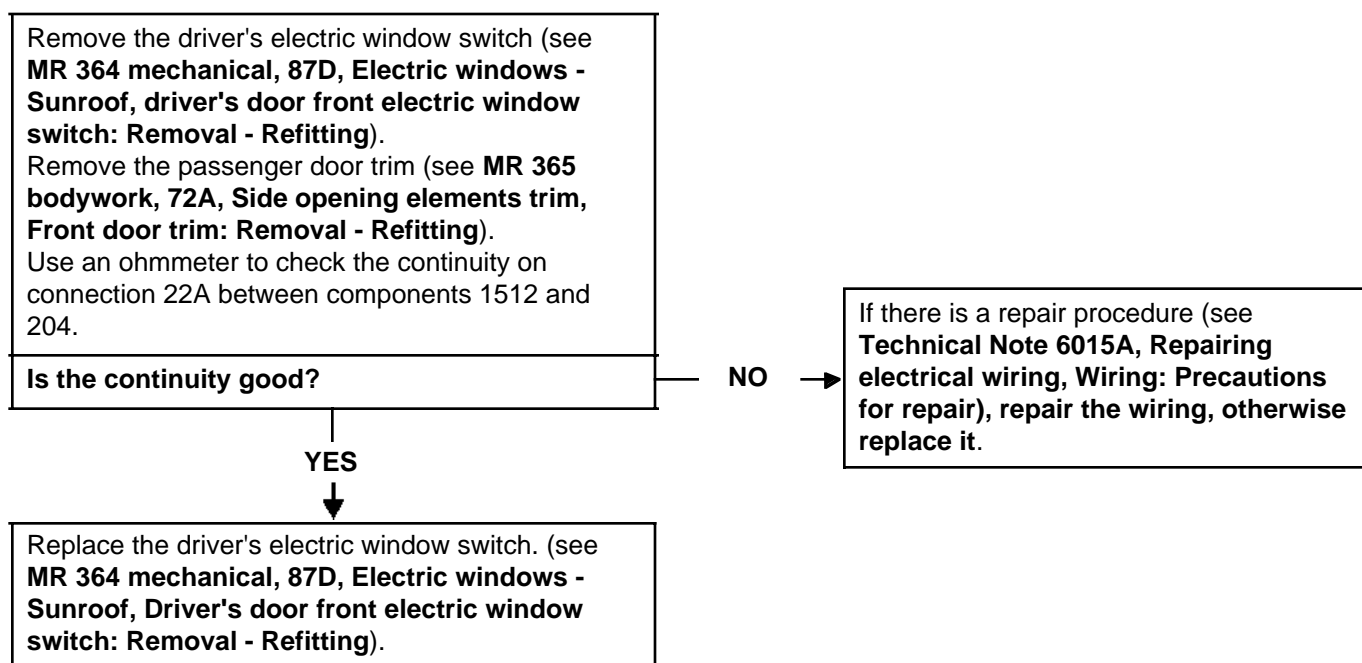
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 11	For passenger window using driver's switch only, closing not possible, no one-touch operation and the window lowers during one-touch closing
Applies to:	Driver and passenger one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.



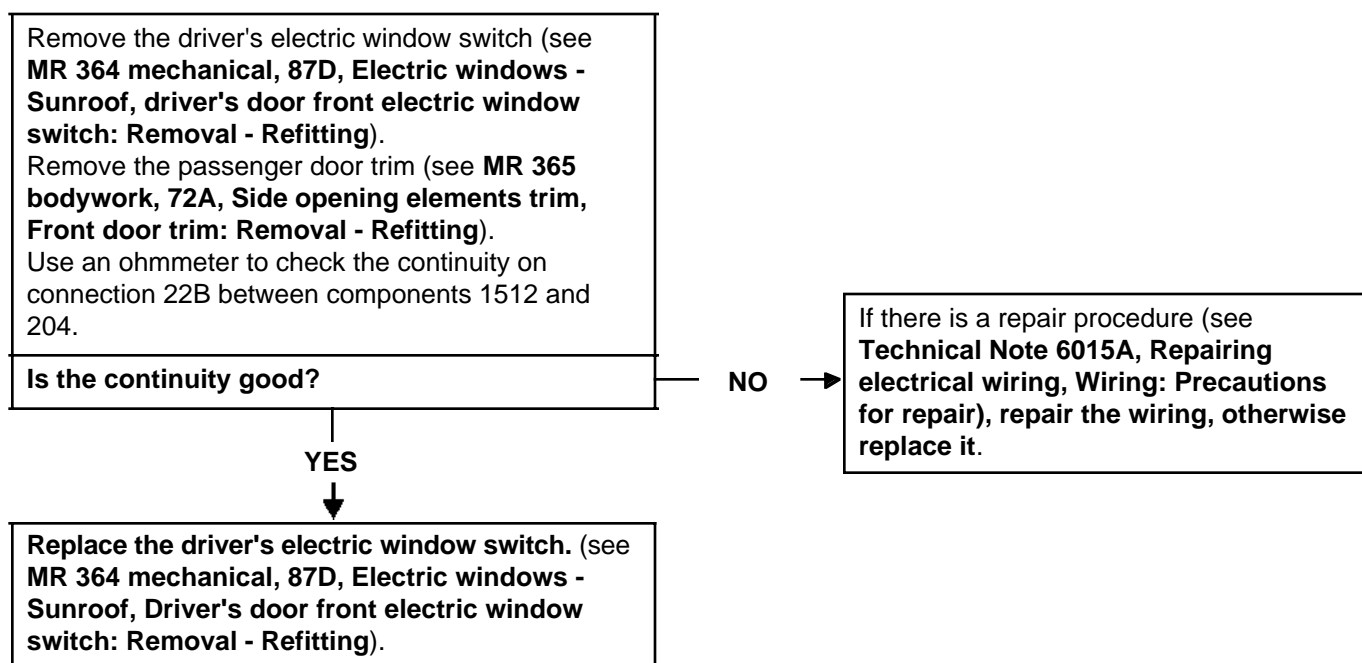
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 11	For passenger window using driver's switch only, closing not possible, no one-touch operation and the window lowers during one-touch closing
Applies to:	Driver and passenger one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.



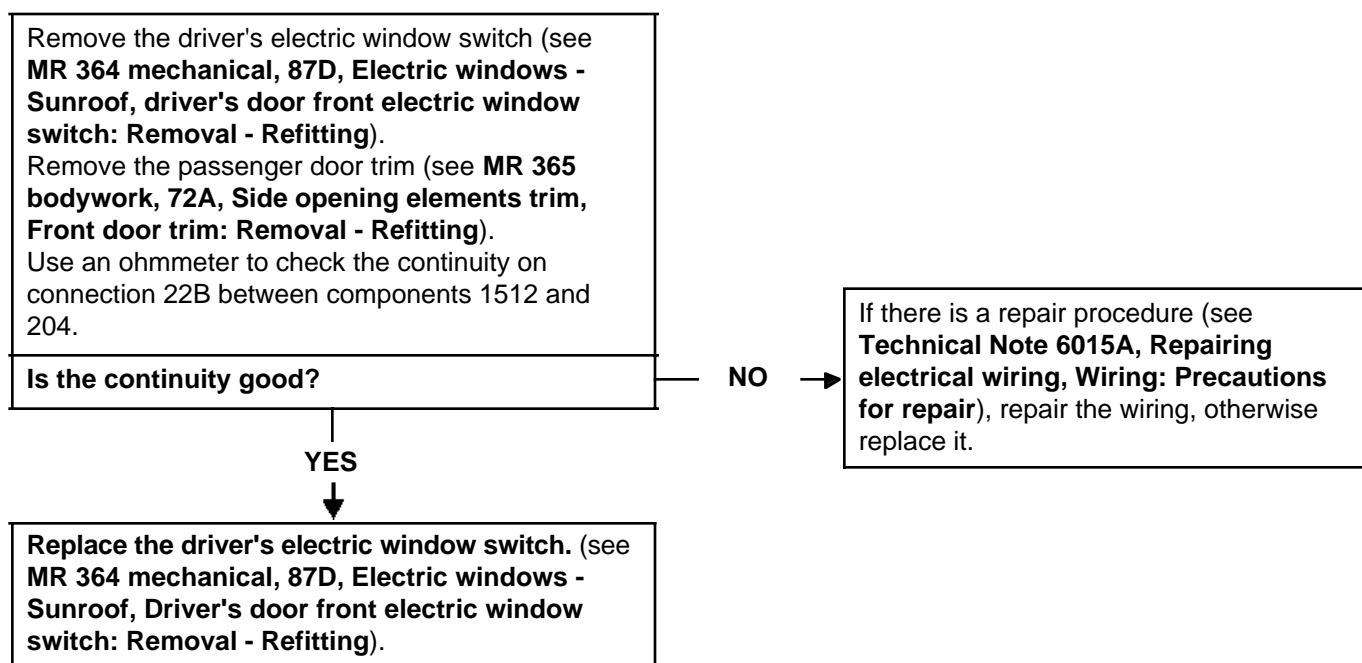
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 12	For passenger window using driver's switch only, opening not possible, no one-touch operation and the window rises during one-touch opening
Applies to:	Driver and passenger one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 12	For passenger window using driver's switch only, opening not possible, no one-touch operation and the window rises during one-touch opening
Applies to:	Driver and passenger one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP 13	The passenger window cannot be raised with driver's switch and cannot be lowered with passenger's switch
Applies to:	Driver and passenger one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
Continuity fault on connection 22D. Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, passenger's door front electric window switch: Removal - Refitting). Remove the passenger's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, passenger's door front electric window switch: Removal - Refitting). Use an ohmmeter to check the continuity on connection 22D between components 1512 and 133. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.	
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

ALP 13	The passenger window cannot be raised with driver's switch and cannot be lowered with passenger's switch
Applies to:	Driver and passenger one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
Continuity fault on connection 22D. Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, passenger's door front electric window switch: Removal - Refitting). Remove the passenger's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, passenger's door front electric window switch: Removal - Refitting). Use an ohmmeter to check the continuity on connection 22D between components 1512 and 133. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 14	The passenger window cannot be raised with passenger's switch and cannot be lowered with driver's switch
Applies to:	Driver and passenger one-touch electric windows Left-hand drive vehicles
NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Carry out the various checks with the battery charged and + after ignition feed switched on.</p> <p>Use a multimeter.</p>
<p>Continuity fault on connection 22C.</p> <p>Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting).</p> <p>Remove the passenger's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, passenger's door front electric window switch: Removal - Refitting).</p> <p>Use an ohmmeter to check the continuity on connection 22C between components 1512 and 133.</p> <p>If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 14	The passenger window cannot be raised with passenger's switch and cannot be lowered with driver's switch
Applies to:	Driver and passenger one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
Continuity fault on connection 22C. Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting). Remove the passenger's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, passenger's door front electric window switch: Removal - Refitting). Use an ohmmeter to check the continuity on connection 22C between components 1512 and 133. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 15	No one-touch operation of the passenger window with the passenger's switch only
Applies to:	Driver and passenger one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
<p>Continuity fault on earth MAN. Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting).</p> <p>Use an ohmmeter to check the continuity on connection MAM between component 1512 and the chassis earth. Check that earth MAM is correctly mounted on the chassis. If the earth is faulty, clean and retighten it. Otherwise the fault is caused by the wiring; if there is a repair procedure (see Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring; if not, replace it.</p>	
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

ALP 15	No one-touch operation of the passenger window with the passenger's switch only
Applies to:	Driver and passenger one-touch electric windows Right-hand drive vehicles
NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Carry out the various checks with the battery charged and + after ignition feed switched on.</p> <p>Use a multimeter.</p>

Continuity fault on earth MAN.

Remove the driver's electric window switch (see **MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting**).

Use an ohmmeter to check the continuity on connection MAN between component 1512 and the chassis earth.

Check that earth MAN is correctly mounted on the chassis. If the earth is faulty, clean and retighten it.

Otherwise the fault is caused by the wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring; if not, replace it.

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP 16	No one-touch operation of the passenger window with the driver's switch only
Applies to:	Driver and passenger one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
<p>Continuity fault on earth MAM. Remove the passenger's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, passenger's door front electric window switch: Removal - Refitting).</p> <p>Use an ohmmeter to check the continuity on connection MAN between component 133 and the chassis earth. Check that earth MAN is correctly mounted on the chassis. If the earth is faulty, clean and retighten it. Otherwise the fault is caused by the wiring; if there is a repair procedure (see Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring; if not, replace it.</p>	
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

ALP 16	No one-touch operation of the passenger window with the driver's switch only
Applies to:	Driver and passenger one-touch electric windows Right-hand drive vehicles
NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Carry out the various checks with the battery charged and + after ignition feed switched on.</p> <p>Use a multimeter.</p>
<p>Continuity fault on earth MAM.</p> <p>Remove the passenger's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, passenger's door front electric window switch: Removal - Refitting).</p> <p>Use an ohmmeter to check the continuity on connection MAM between component 133 and the chassis earth.</p> <p>Check that earth MAM is correctly mounted on the chassis. If the earth is faulty, clean and retighten it.</p> <p>Otherwise the fault is caused by the wiring; if there is a repair procedure (see Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring; if not, replace it.</p>	
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

ALP 17	One or more windows rise in jerky stages of 50 mm
Applies to:	Driver and passenger one-touch electric windows Left-hand drive vehicles
NOTES	The battery must be charged and + after ignition feed switched on.
The fault is due to a loss of initialisation. To resolve the fault (see Electric sunroof: Initialisation).	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 17	At least one window rises in jerky stages of 50 mm
Applies to:	Driver and passenger one-touch electric windows Right-hand drive vehicles
NOTES	The battery must be charged and + after ignition feed switched on.
The fault is due to a loss of initialisation. To resolve the fault (see Electric sunroof: Initialisation).	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 18	Windows cannot be closed remotely
Applies to:	Driver and passenger one-touch electric windows Left-hand drive vehicles
NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Check that the vehicle is equipped with at least 2 one-touch windows.</p> <p>Check that the one-touch windows are correctly initialised and that they are operating correctly in normal mode (if not, refer to the relevant ALP).</p> <p>Use the diagnostic tool.</p>
<p>Apart from remote closing, are the windows operating correctly?</p> <p style="text-align: center;">YES</p> <p>Use the diagnostic tool to read the faults in the UCH.</p> <p>Is fault (DF031 CC.0) present?</p> <p style="text-align: center;">NO</p> <p>Using the diagnostic tool, check that the UCH is correctly configured (2 or 4 one-touch windows). (see 87B Passenger compartment connection unit, configuration and programming).</p> <p>Is the UCH correctly configured?</p> <p style="text-align: center;">YES</p> <p style="text-align: center;">A</p>	
<p>NO → See Customer complaints.</p>	
<p>YES → Line 21K has a short circuit to earth; if there is a repair procedure (see Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it. To clear the short circuit, try disconnecting the door connectors and the sunroof connector.</p>	
<p>NO → Configure the UCH, (see 87B Passenger compartment connection unit, configuration and programming).</p>	
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

ALP 18

CONTINUED 1



Remove the trim of the door concerned (see **MR 365 bodywork, 72A, Side opening element trim, Front (or rear) door electric window mechanism: Removal - Refitting**). Disconnect the electric window motor and measure the signal sent by the UCH over connection 21K, on the electric window motor. (see **ALP18 Procedure**).

Is the signal correct?

NO

YES

Replace the electric window motor (see **MR 365 bodywork, 51A, Side opening element mechanisms, Front door electric window mechanism: Removal - Refitting**).

Check the continuity on connection 21K between component 645 and the electric window motor concerned.

Is the continuity on connection 21K correct?

NO

YES

Run fault finding on the UCH (see **87B, Passenger compartment connection unit**).

If there is a repair procedure (See **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 18

CONTINUED 2

Procedure

NOTES

Use Technical Note Wiring diagram, Mégane II ph2.
Use the diagnostic tool.

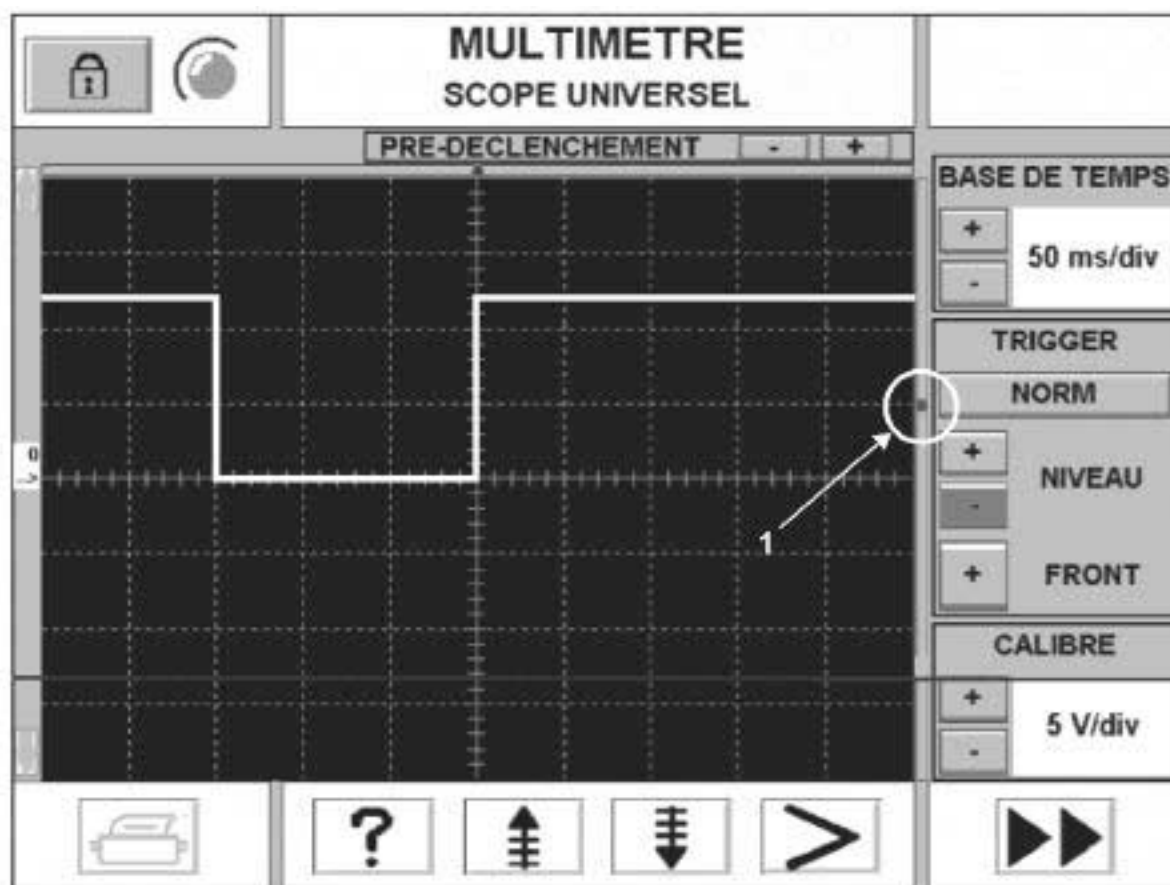
Procedure:

Set the oscilloscope (CLIP) as shown below (time base **50 ms/div**, calibration **5 V/div**, trigger in normal mode with a pulse edge of **5 V** see point 1).

Connect the negative probe to the chassis earth and the positive probe to connection 21K.

Lock the doors by pressing the locking button on the RENAULT card twice, or by pressing the button on one of the door handles.

The signal sent by the UCH must match that shown below (bottom of trace is 150 ms).



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ALP 18

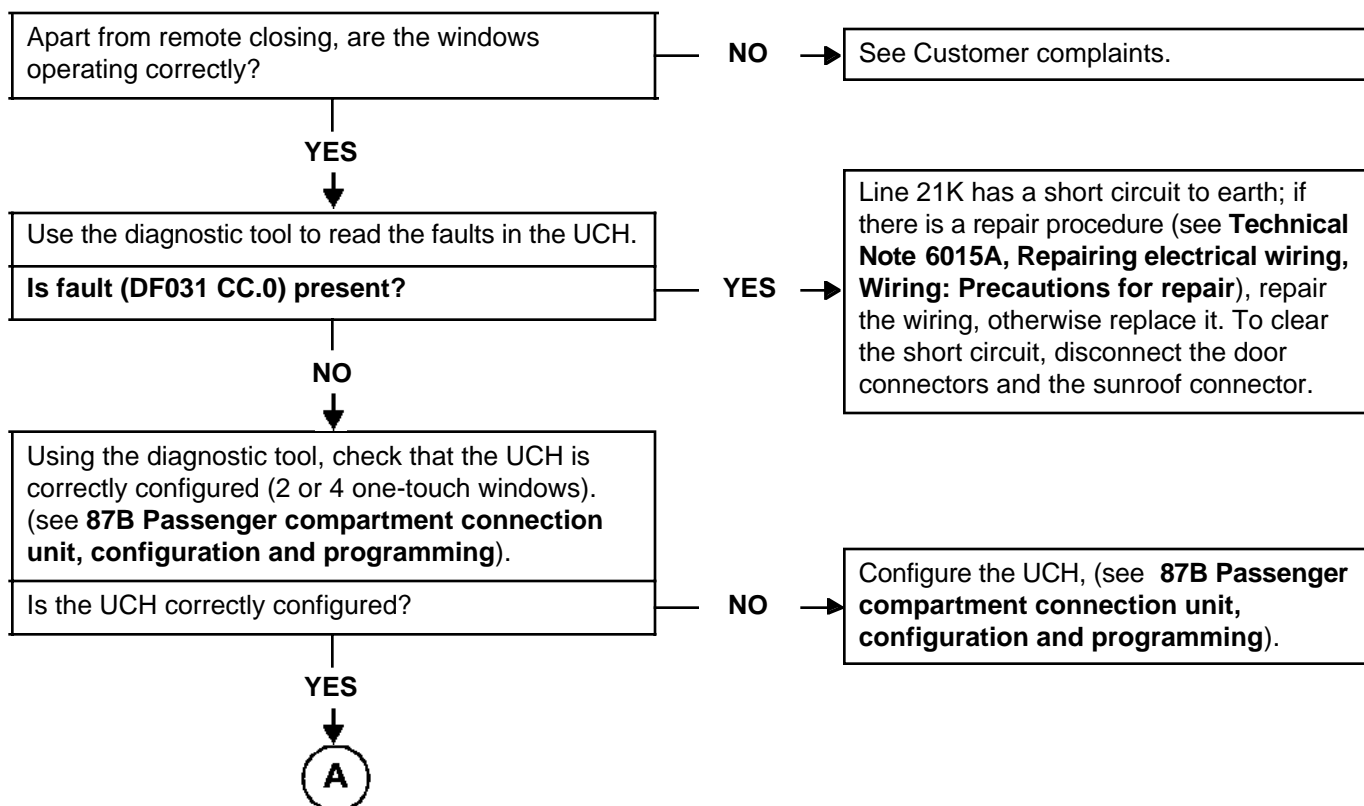
Windows cannot be closed remotely

Applies to:

Driver and passenger one-touch electric windows
Right-hand drive vehicles

NOTES

Use Technical Note Wiring diagram, Mégane II ph2.
Check that the vehicle is equipped with at least 2 one-touch windows.
Check that the one-touch windows are correctly initialised and that they are operating correctly in normal mode (if not, refer to the relevant ALP).
Use the diagnostic tool.

**AFTER REPAIR**

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 18

CONTINUED 1



Remove the trim of the door concerned (see **MR 365 bodywork, 72A, Side opening element trim, Front (or rear) door electric window mechanism: Removal - Refitting**). Disconnect the electric window motor and measure the signal sent by the UCH over connection 21K, on the electric window motor. (see **ALP18 Procedure**).

Is the signal correct?

NO

YES

Replace the electric window motor (see **MR 365 bodywork, 51A, Side opening element mechanisms, Front door electric window mechanism: Removal - Refitting**).

Check the continuity on connection 21K between component 645 and the electric window motor concerned.

Is the continuity on connection 21K correct?

NO

YES

Run fault finding on the UCH (see **87B, Passenger compartment connection unit**).

If there is a repair procedure (See **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 18
CONTINUED 2
Procedure

NOTES

Use Technical Note Wiring diagram, Mégane II ph2.
Use the diagnostic tool.

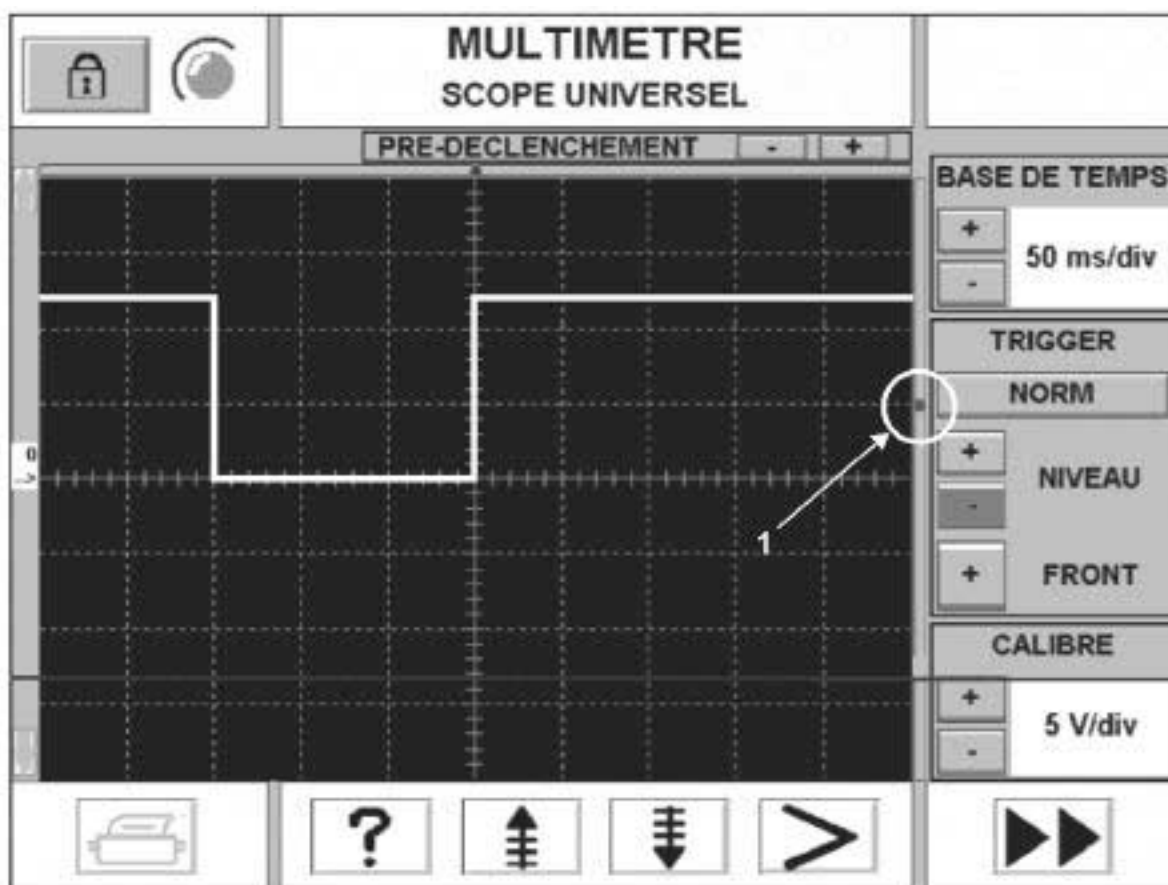
Procedure:

Set the oscilloscope (CLIP) as shown below (time base **50 ms/div**, calibration **5 V/div**, trigger in normal mode with a pulse edge of **5 V** see point 1).

Connect the negative probe to the chassis earth and the positive probe to connection 21K.

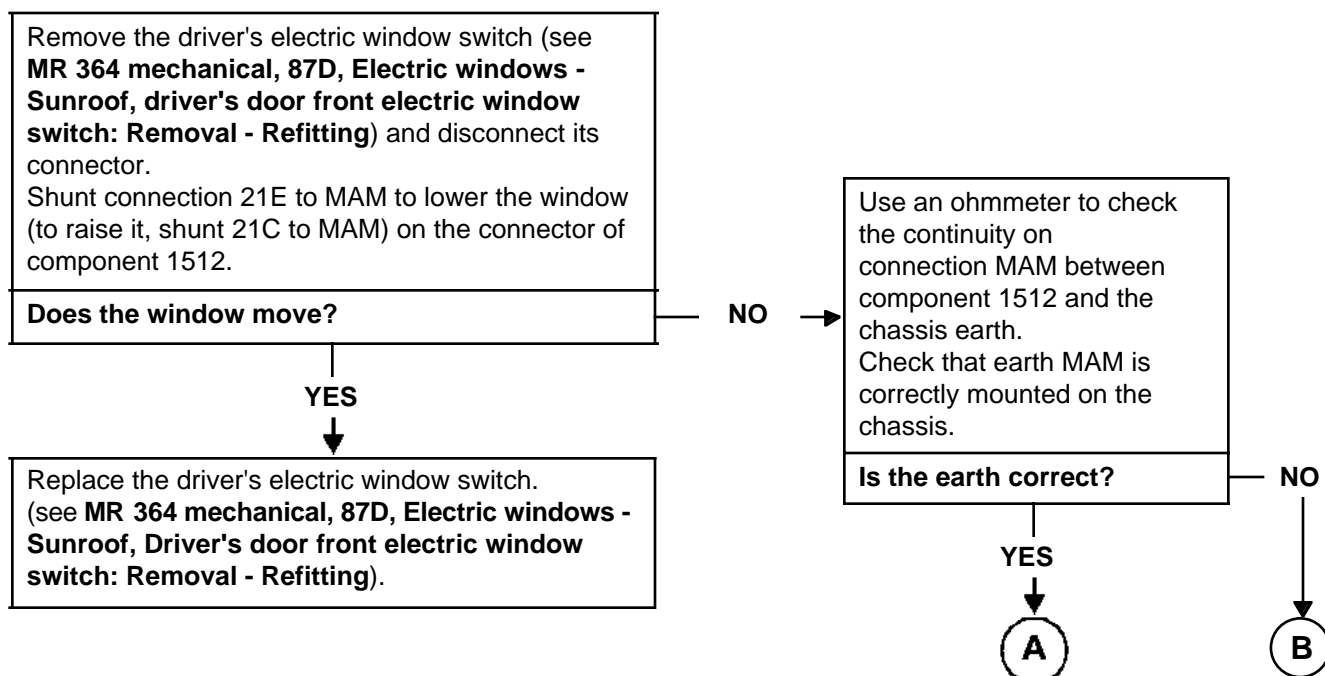
Lock the doors by pressing the locking button on the RENAULT card twice, or by pressing the button on one of the door handles.

The signal sent by the UCH must match that shown below (bottom of trace is 150 ms).



115172

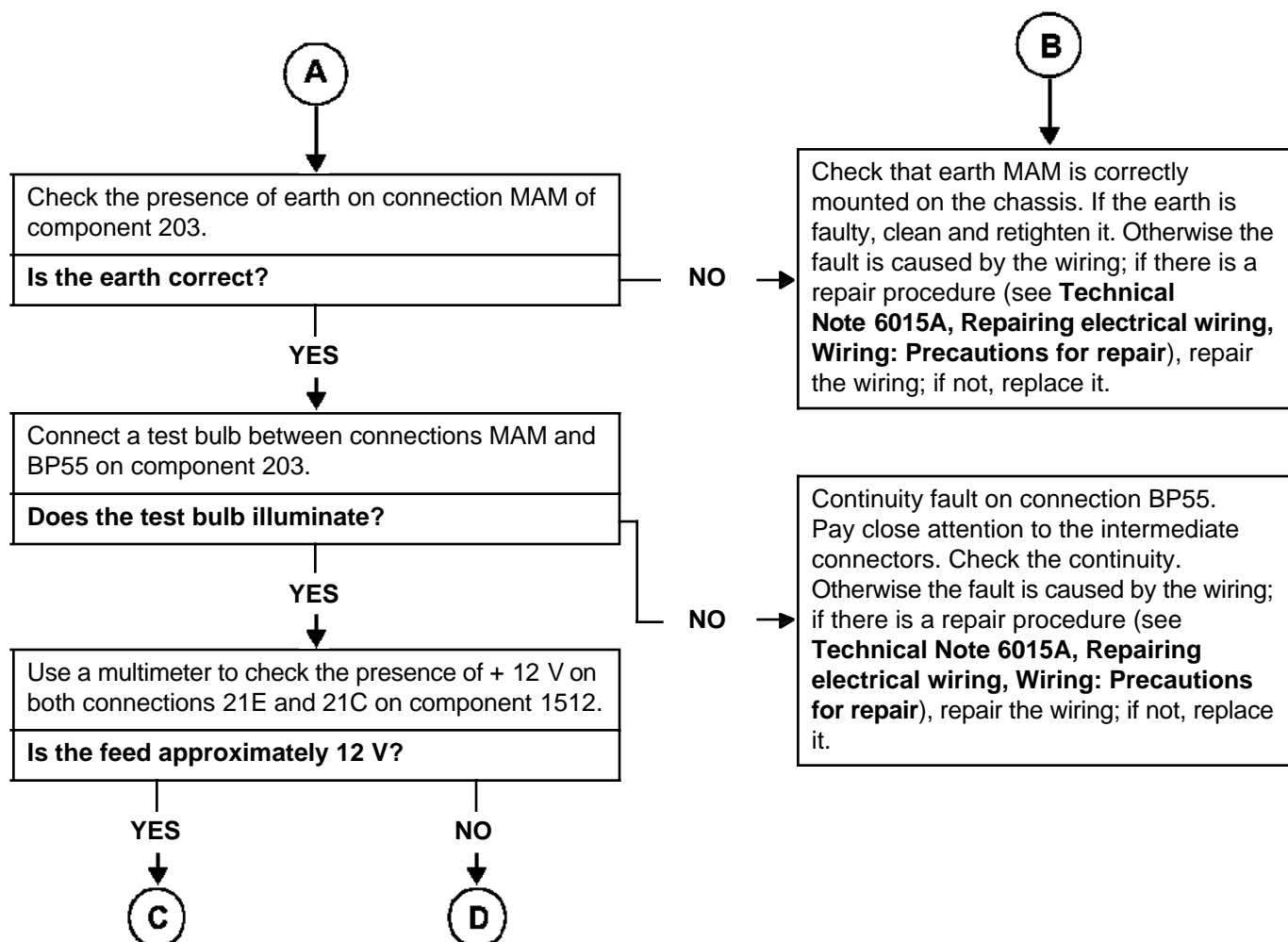
ALP 19	Only the driver's window does not operate at all
Applies to:	Driver's one-touch electric window and passenger electric window Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Check that the fuses are sound. Using a 21 W test bulb and a multimeter.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	---

ALP 19

CONTINUED 1

**AFTER REPAIR**

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 19

CONTINUED 2

C

Use a multimeter to check the presence of + 12 V between connection 21K and BP 55 on component 203.

Is the feed approximately 12 V?

NO

Continuity fault on connection 21K between components 645 and 203. If there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

YES

Replace the electric window motor (see **MR 365 bodywork, 51A, Side opening element mechanisms, Front door electric window mechanism: Removal - Refitting**).

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 19
CONTINUED 3

D

Check the continuity of connections 21E and 21C between component 1512 and component 203.

Is the continuity of the connections correct?

NO

If there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

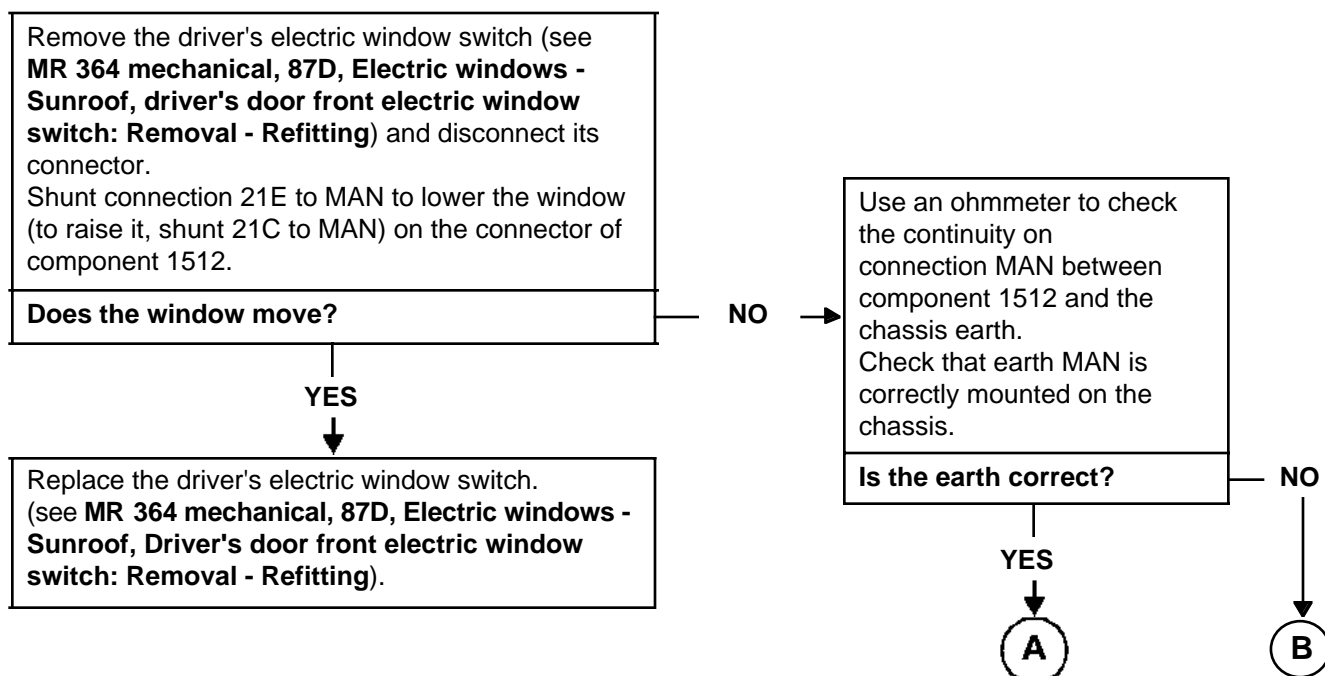
YES

Replace the electric window motor (see **MR 365 bodywork, 51A, Side opening element mechanisms, Front door electric window mechanism: Removal - Refitting**).

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

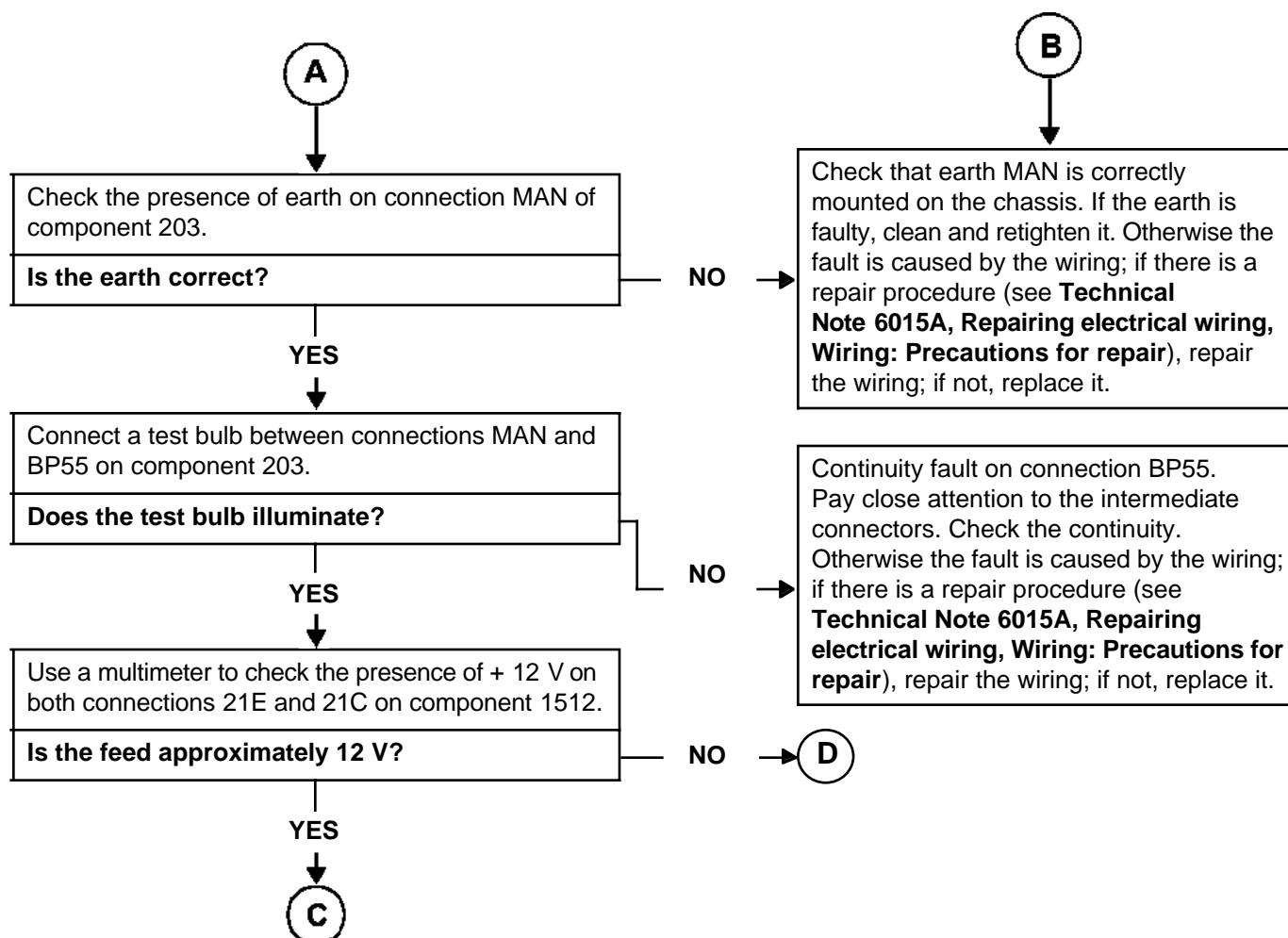
ALP 19	Only the driver's window does not operate at all
Applies to:	Driver's one-touch electric window and passenger electric window Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Check that the fuses are sound. Using a 21 W test bulb and a multimeter.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 19

CONTINUED 1



AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 19
CONTINUED 2

C

Use a multimeter to check the presence of + 12 V between connections 21K and BP 55 on component 203.

Is the feed approximately 12 V?

NO

Continuity fault on connection 21K between components 645 and 203. If there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

YES

Replace the electric window motor (see **MR 365 bodywork, 51A, Side opening element mechanisms, Front door electric window mechanism: Removal - Refitting**).

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 19

CONTINUED 3

D

Check the continuity of connections 21E and 21C between component 1512 and component 203.

Is the continuity of the connections correct?

NO

If there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

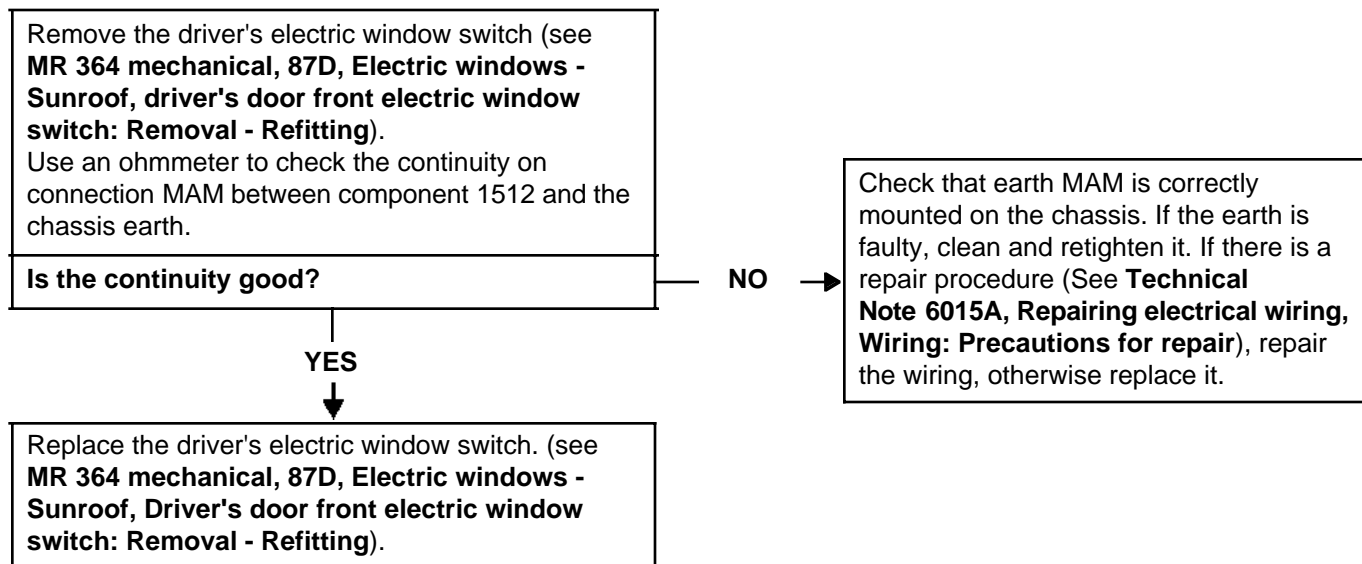
YES

Replace the electric window motor (see **MR 365 bodywork, 51A, Side opening element mechanisms, Front door electric window mechanism: Removal - Refitting**).

AFTER REPAIR

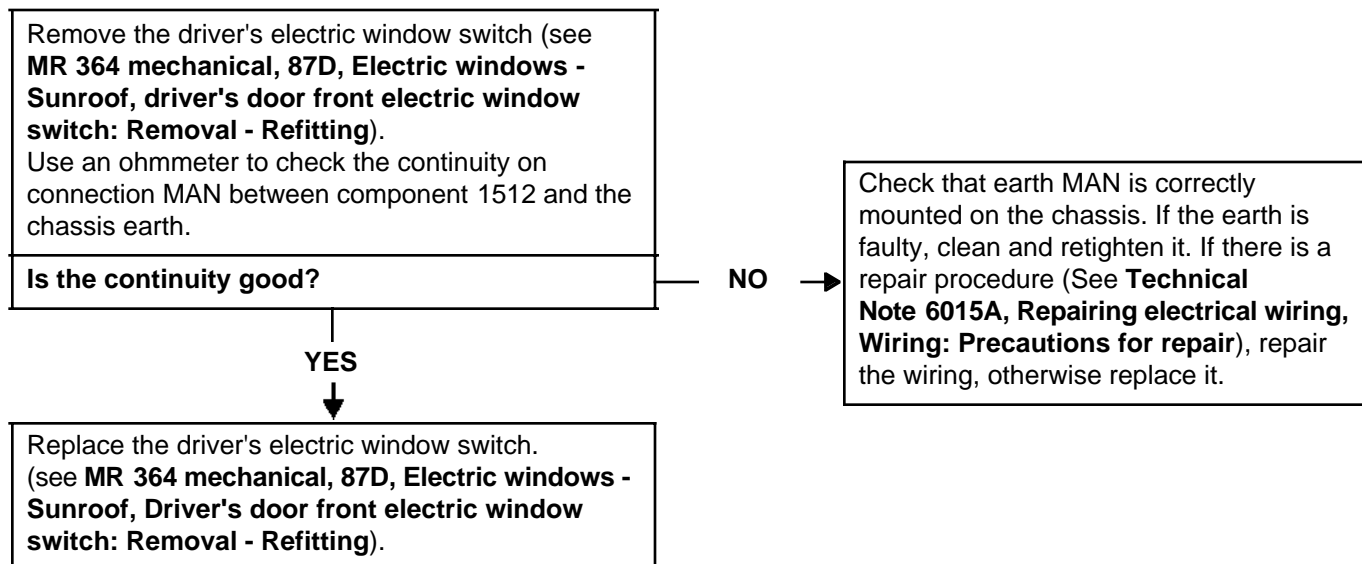
Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 20	Driver's and passenger's windows do not operate at all with the driver's switch only
Applies to:	Driver's one-touch electric window and passenger electric window Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.



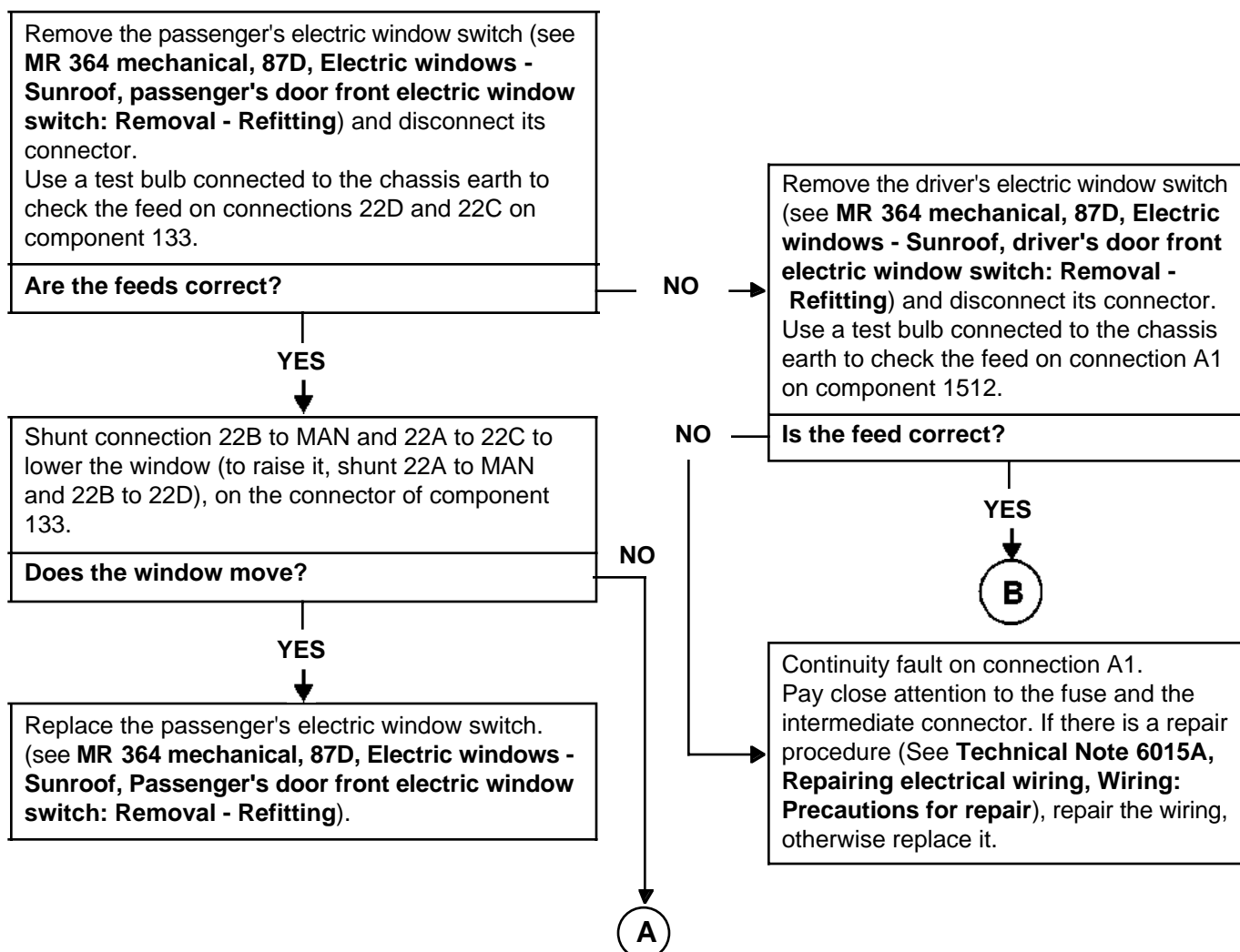
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 20	Driver's and passenger's windows do not operate at all with the driver's switch only
Applies to:	Driver's one-touch electric window and passenger electric window Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 21	The passenger window does not operate at all with any switch
Applies to:	Driver's one-touch electric window and passenger electric window Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Check that the fuses are sound. Use a 21 W test bulb.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 21
CONTINUED 1**A**

Connect the test bulb between connection 22B and connection 22A on component 204.

Reconnect the electric window switch and operate it. Does the test bulb illuminate?

NO

Continuity fault on connection 22A and/or 22B. If there is a repair procedure (See **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

YES

Replace the motor (see **MR 365 bodywork, 51A, Side opening element mechanisms, Front door electric window mechanism: Removal - Refitting**).

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 21
CONTINUED 2**B**

Shunt connection A1 to 22D and 22C on the connector of component 1512.
Using the test bulb connected to the chassis earth, check the feeds again on connections 22D and 22C on component 133.

Are the feeds correct?**NO**

Continuity fault on connections 22D and 22C. Pay close attention to the intermediate connector. If there is a repair procedure (See **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

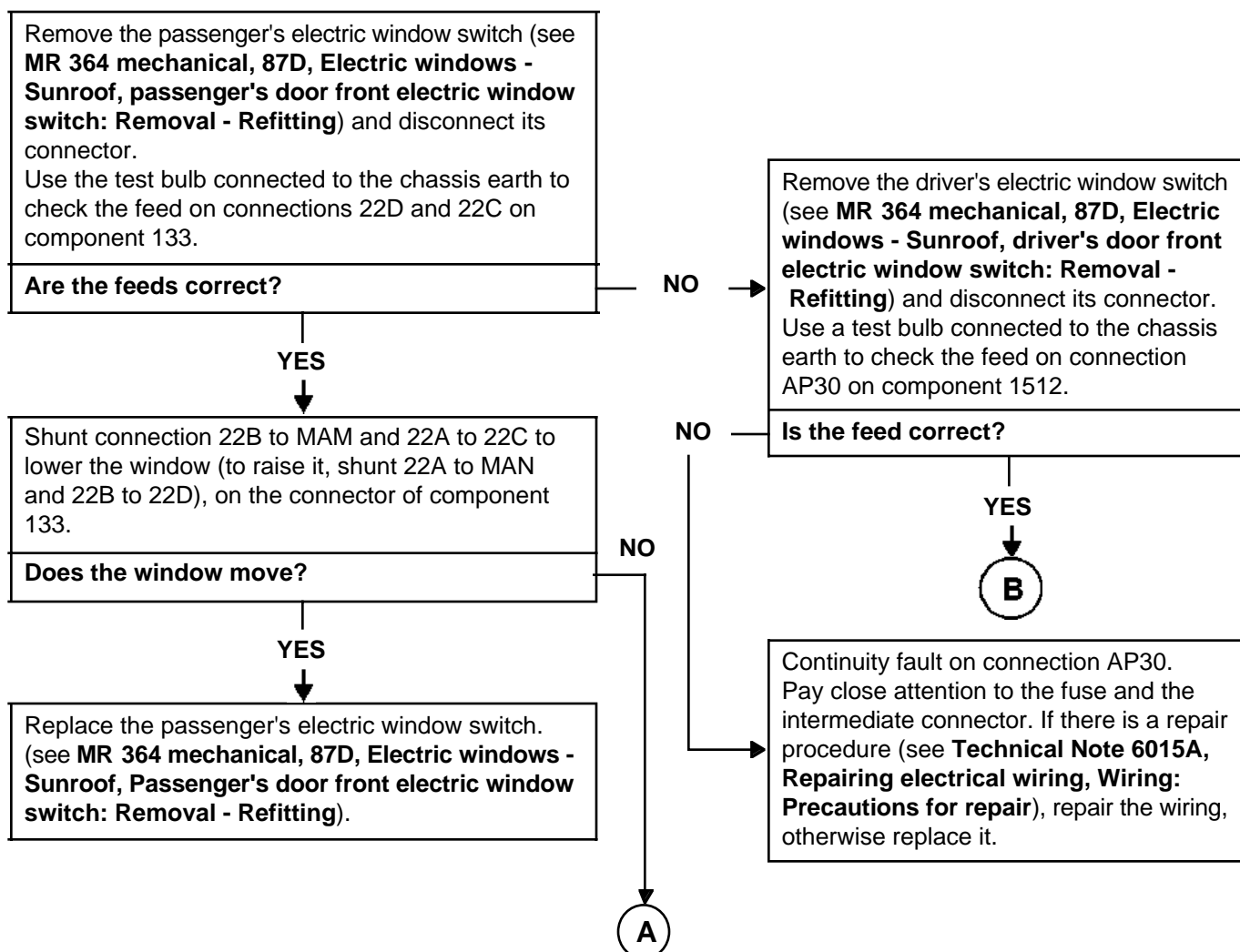
YES

Replace the driver's electric window switch. (see **MR 364 mechanical, 87D, Electric windows - Sunroof, Driver's door front electric window switch: Removal - Refitting**).

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 21	The passenger window does not operate at all with any switch
Applies to:	Driver's one-touch electric window and passenger electric window Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Check that the fuses are sound. Use a 21 W test bulb.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP 21
CONTINUED 1**A**

Connect the test bulb between connection 22B and connection 22A on component 204.

Reconnect the electric window switch and operate it. Does the test bulb illuminate?

NO

Continuity fault on connection 22A and/or 22B. If there is a repair procedure (See **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

YES

Replace the motor (see **MR 365 bodywork, 51A, Side opening element mechanisms, Front door electric window mechanism: Removal - Refitting**).

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP 21
CONTINUED 2

B

Shunt connection AP30 to 22D and 22C on the connector of component 1512.
Using the test bulb connected to the chassis earth, check the feeds again on connections 22D and 22C on component 133.

Are the feeds correct?

NO

Continuity fault on connections 22D and 22C. Pay close attention to the intermediate connector. If there is a repair procedure (See **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

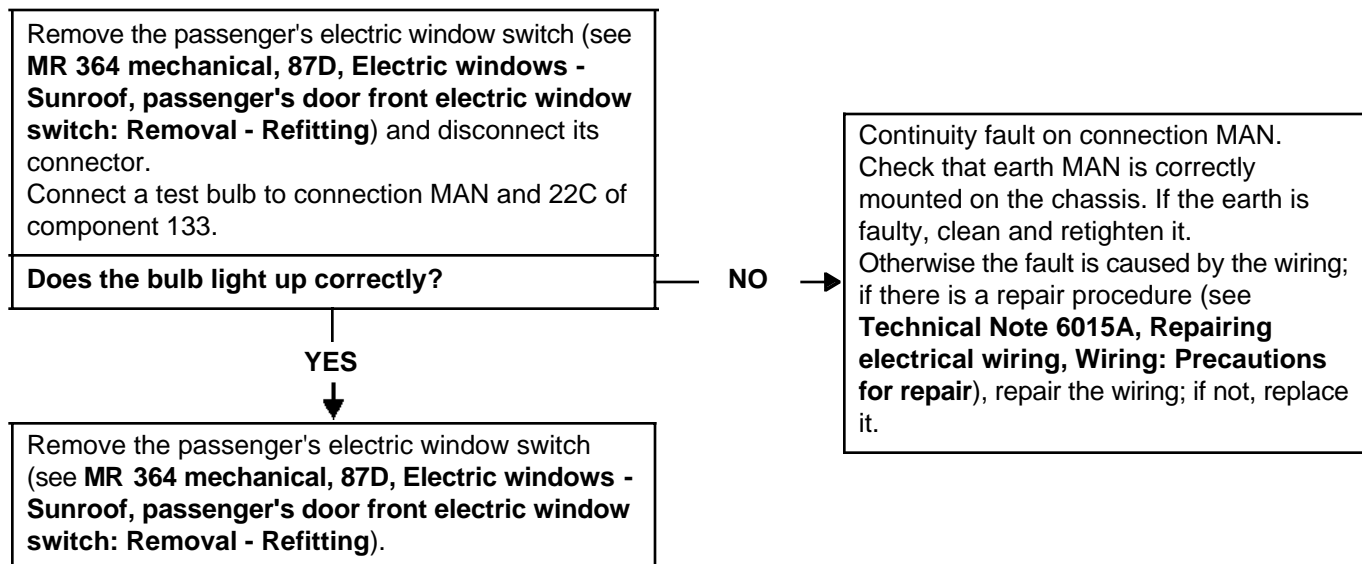
YES

Replace the driver's electric window switch. (see **MR 364 mechanical, 87D, Electric windows - Sunroof, Driver's door front electric window switch: Removal - Refitting**).

AFTER REPAIR

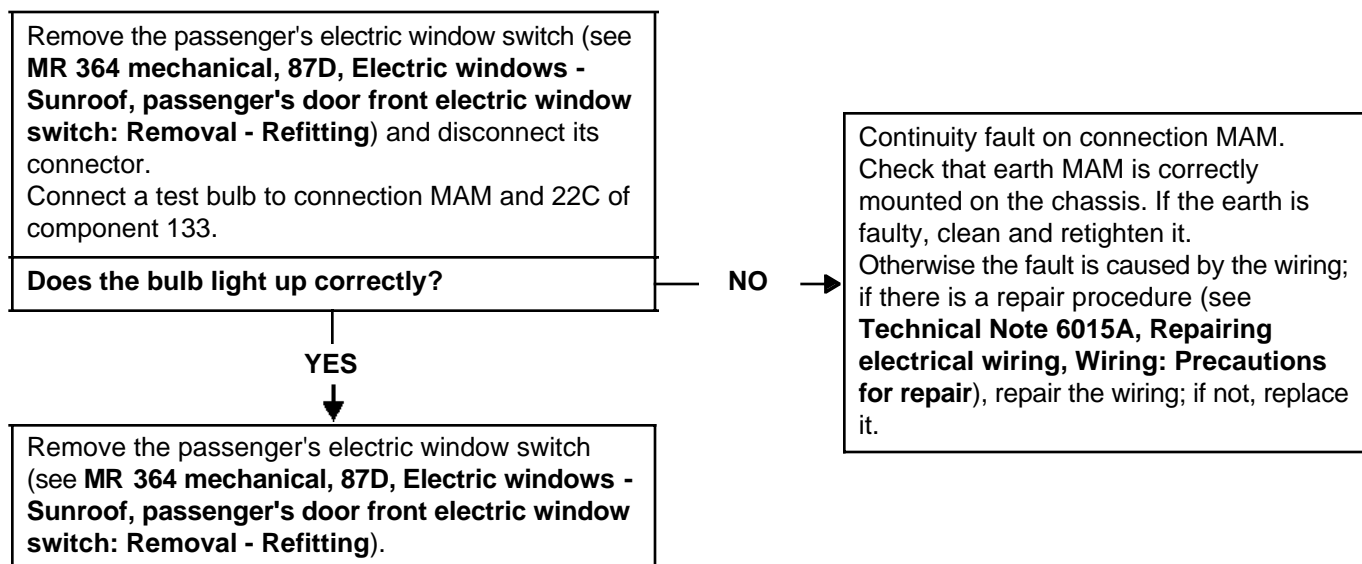
Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP22	The passenger window does not operate at all with the passenger switch only
Applies to:	Driver's one-touch electric window and passenger electric window Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a 21 W test bulb.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP22	The passenger window does not operate at all with the passenger switch only
Applies to:	Driver's one-touch electric window and passenger electric window Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a 21 W test bulb.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP23	Driver's window rises jerkily in 50 mm stages
Applies to:	Driver's one-touch electric window and passenger electric window Left-hand drive vehicles
NOTES	The battery must be charged and + after ignition feed switched on.
The fault is due to a loss of initialisation. To resolve the fault (see Electric sunroof: Initialisation).	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP23	Driver's window rises jerkily in 50 mm stages
Applies to:	Driver's one-touch electric window and passenger electric window Right-hand drive vehicles
NOTES	The battery must be charged and + after ignition feed switched on.
The fault is due to a loss of initialisation. To resolve the fault (see Electric sunroof: Initialisation).	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP24

The rear windows do not operate at all with any switch

Applies to:

Rear one-touch electric windows
Left-hand drive vehicles**NOTES**

Use Technical Note Wiring diagram, Mégane II ph2.
Carry out the various checks with the battery charged and + after ignition feed switched on.
Check that the fuses are sound.
Using a 21 W test bulb and a multimeter.

Do the front electric windows operate correctly?

NO

See ALP6 No electric window operation.

YES

Remove the rear left-hand door trim (see **MR 365 bodywork, 72A, Side opening element trim, Rear side door trim: Removal - Refitting**) and disconnect the connector from component 202.
Connect a test bulb to the chassis earth and check the feed on connection BP87.

Does the bulb light up correctly?

NO

Continuity fault on connection BP87.
Pay close attention to the intermediate connector and the fuse. If there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

YES

Continuity fault on connection 21K between the rear motors and the UCH (components 202, 201 and 645). Pay close attention to the intermediate connectors.
If there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP24

The rear windows do not operate at all with any switch

Applies to:

Rear one-touch electric windows
Right-hand drive vehicles**NOTES**

Use Technical Note Wiring diagram, Mégane II ph2.
Carry out the various checks with the battery charged and + after ignition feed switched on.
Check that the fuses are sound.
Using a 21 W test bulb and a multimeter.

Do the front electric windows operate correctly?

NO

See ALP6 No electric window operation.

YES

Remove the rear left-hand door trim (see **MR 365 bodywork, 72A, Side opening element trim, Rear side door trim: Removal - Refitting**) and disconnect the connector from component 202.
Connect a test bulb to the chassis earth and check the feed on connection BP87.

Does the bulb light up correctly?

NO

Continuity fault on connection BP87.
Pay close attention to the intermediate connector and the fuse. If there is a repair procedure (See **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

YES

Continuity fault on connection 21K between component 202 and component 645. Pay close attention to the intermediate connectors.
If there is a repair procedure (See **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP25	The rear windows do not operate at all with the driver's switch only
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Check that the fuses are sound. Use a multimeter.
Continuity fault on connection MAM. Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting). Use an ohmmeter to check the continuity on connection MAM between component 1512 and the chassis earth. Check that earth MAM is correctly mounted on the chassis. If the earth is faulty, clean and retighten it. Otherwise the fault is caused by the wiring; if there is a repair procedure (see Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring; if not, replace it.	
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

ALP25	The rear windows do not operate at all with the driver's switch only
Applies to:	Rear one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Check that the fuses are sound. Use a multimeter.
Continuity fault on connection MAN. Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting). Use an ohmmeter to check the continuity on connection MAN between component 1512 and the chassis earth. Check that earth MAN is correctly mounted on the chassis. If the earth is faulty, clean and retighten it. Otherwise the fault is caused by the wiring; if there is a repair procedure (see Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring; if not, replace it.	
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

ALP26	The rear left-hand window does not operate at all with any switch
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Carry out the various checks with the battery charged and + after ignition feed switched on.</p> <p>Check that the fuses are sound.</p> <p>Using a multimeter and a 21 W test bulb.</p>
<p>Remove the rear left-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting) and disconnect its connector.</p> <p>Shunt connection 23C to 20AL (to raise the window shunt connection 23D to 20AL), on the connector of component 131.</p>	
Does the window move?	<p>YES → Replace the rear left-hand window switch. (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p> <p>NO ↓</p>
<p>Remove the rear left-hand door trim (see MR 365 bodywork, 72A, Side opening element trim, Rear side door trim: Removal - Refitting) and disconnect the connector from component 202 and 131.</p> <p>Use an ohmmeter to check the continuity of connections 23D and 23C between components 131 and 202.</p>	
Is the continuity good?	<p>NO → Pay close attention to the intermediate connector. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p> <p>YES ↓</p>
<p style="text-align: center;">A</p>	
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

ALP26
CONTINUED

A

Connect a test bulb between connection BP87 and MZ of the component 202 connector.

Does the bulb light up correctly?

NO

Connect a test bulb between connection BP87 of component 202 and the chassis earth.

Does the bulb light up correctly?

NO

YES

Continuity fault on connection 21K between component 202 and component 645. Pay close attention to the intermediate connectors. If there is a repair procedure (See **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

YES

Check that earth MZ is correctly mounted on the chassis. If the earth is faulty, clean and retighten it. Otherwise the fault is caused by the wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring; if not, replace it.

Continuity fault on connection BP87 between components 260 and 202. Pay close attention to the intermediate connector. If there is a repair procedure (See **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP26	The rear left-hand window does not operate at all with any switch
Applies to:	Rear one-touch electric windows Right-hand drive vehicles
NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Carry out the various checks with the battery charged and + after ignition feed switched on.</p> <p>Check that the fuses are sound.</p> <p>Using a multimeter and a 21 W test bulb.</p>
<p>Remove the rear left-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting) and disconnect its connector.</p> <p>Shunt connection 23C to 20AL (to raise the window shunt connection 23D to 20AL), on the connector of component 131.</p>	
Does the window move?	<p>YES → Replace the rear left-hand window switch. (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p> <p>NO ↓</p>
<p>Remove the rear left-hand door trim (see MR 365 bodywork, 72A, Side opening element trim, Rear side door trim: Removal - Refitting) and disconnect the connector from component 202 and 131.</p> <p>Use an ohmmeter to check the continuity of connections 23D and 23C between components 131 and 202.</p>	
Is the continuity good?	<p>NO → Pay close attention to the intermediate connector. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p> <p>YES ↓</p>
<p style="text-align: center;">A</p>	
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

ALP26

CONTINUED

A

Connect a test bulb between connection BP87 and MZ of the component 202 connector.

Does the bulb light up correctly?

NO

YES

Continuity fault on connection 21K between component 202 and component 645. Pay close attention to the intermediate connectors. If there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Connect a test bulb between connection BP87 of component 202 and the chassis earth.

Does the bulb light up correctly?

NO

YES

Check that earth MZ is correctly mounted on the chassis. If the earth is faulty, clean and retighten it. Otherwise the fault is caused by the wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring; if not, replace it.

Continuity fault on connection BP87 between components 260 and 202. Pay close attention to the intermediate connector. If there is a repair procedure (See **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP27	Rear right-hand window does not operate at all with any switch
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Carry out the various checks with the battery charged and + after ignition feed switched on.</p> <p>Check that the fuses are sound.</p> <p>Using a multimeter and a 21 W test bulb.</p>
<p>Remove the rear right-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting) and disconnect its connector.</p> <p>Shunt connection 23A to 20AL (to raise the window shunt connection 23B to 20AL), on the connector of component 130.</p> <p>Does the window move?</p> <p>YES → Replace the rear right-hand electric window switch. (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p> <p>NO ↓</p> <p>Remove the rear right-hand door trim (see MR 365 bodywork, 72A, Side opening element trim, Rear side door trim: Removal - Refitting) and disconnect the connector from components 201 and 130.</p> <p>Use an ohmmeter to check the continuity of connections 23A and 23B between components 130 and 201.</p> <p>Is the continuity good?</p> <p>NO → Pay close attention to the intermediate connector. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p> <p>YES ↓</p> <p>A</p>	
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

ALP27

CONTINUED

A

Connect a test bulb between connection BP87 and MAQ of the component 201 connector.

Does the bulb light up correctly?

NO

Connect a test bulb between connection BP87 of component 201 and the chassis earth.

Does the bulb light up correctly?

NO

YES

YES

Continuity fault on connection 21K between component 201 and component 645. Pay close attention to the intermediate connectors. If there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Check that earth MAQ is correctly mounted on the chassis. If the earth is faulty, clean and retighten it. Otherwise the fault is caused by the wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring; if not, replace it.

Continuity fault on connection BP87 between components 260 and 201. Pay close attention to the intermediate connector. If there is a repair procedure (See **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

ALP27	Rear right-hand window does not operate at all with any switch
Applies to:	Rear one-touch electric windows Right-hand drive vehicles
NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Carry out the various checks with the battery charged and + after ignition feed switched on.</p> <p>Check that the fuses are sound.</p> <p>Using a multimeter and a 21 W test bulb.</p>
<p>Remove the rear right-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting) and disconnect its connector.</p> <p>Shunt connection 23A to 20AL (to raise the window shunt connection 23B to 20AL), on the connector of component 130.</p>	
Does the window move?	<p>YES → Replace the rear right-hand window switch. (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p> <p>NO ↓</p>
<p>Remove the rear right-hand door trim (see MR 365 bodywork, 72A, Side opening element trim, Rear side door trim: Removal - Refitting) and disconnect the connector from components 201 and 130.</p> <p>Use an ohmmeter to check the continuity of connections 23A and 23B between components 130 and 201.</p>	
Is the continuity good?	<p>NO → Pay close attention to the intermediate connector. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p> <p>YES ↓</p>
<p style="text-align: center;">A</p>	
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

ALP27

CONTINUED

A

Connect a test bulb between connection BP87 and MAQ of the component 201 connector.

Does the bulb light up correctly?

NO

Connect a test bulb between connection BP87 of component 201 and the chassis earth.

Does the bulb light up correctly?

NO

YES

YES

Continuity fault on connection 21K between component 201 and component 645. Pay close attention to the intermediate connectors. If there is a repair procedure (See **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Check that earth MAQ is correctly mounted on the chassis. If the earth is faulty, clean and retighten it. Otherwise the fault is caused by the wiring; if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring; if not, replace it.

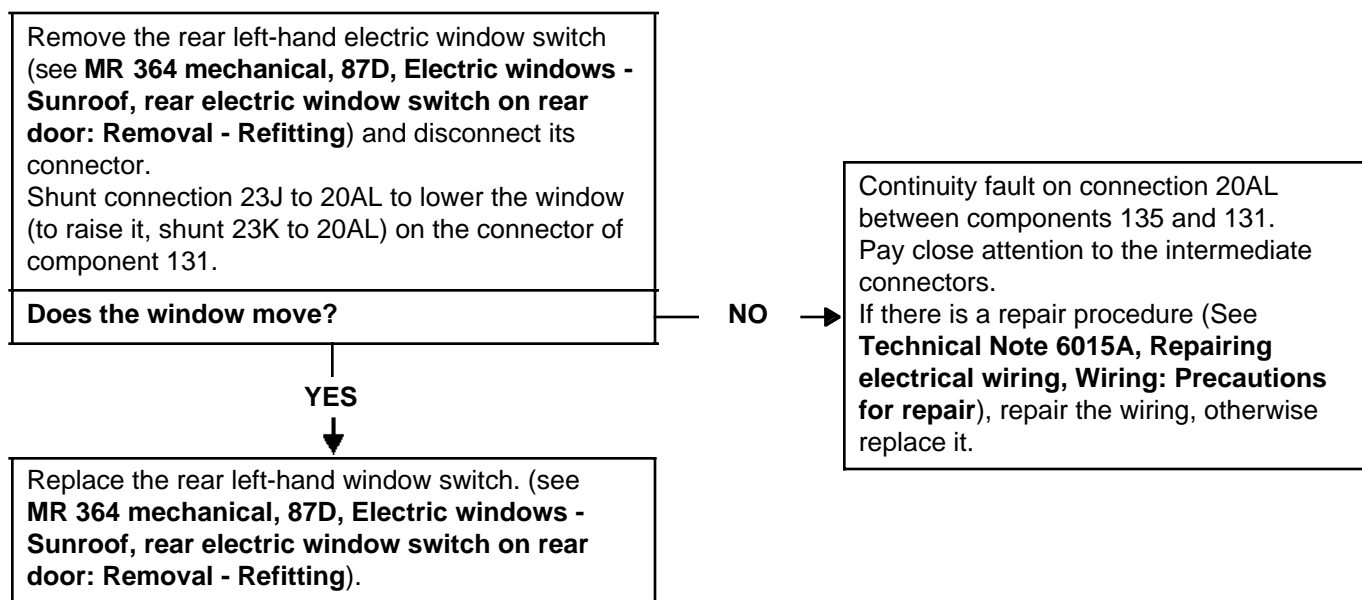
Continuity fault on connection BP87 between components 260 and 201. Pay close attention to the intermediate connector. If there is a repair procedure (See **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR

Check that the electric windows are operating correctly; if not, run fault finding (see **Customer complaints**).

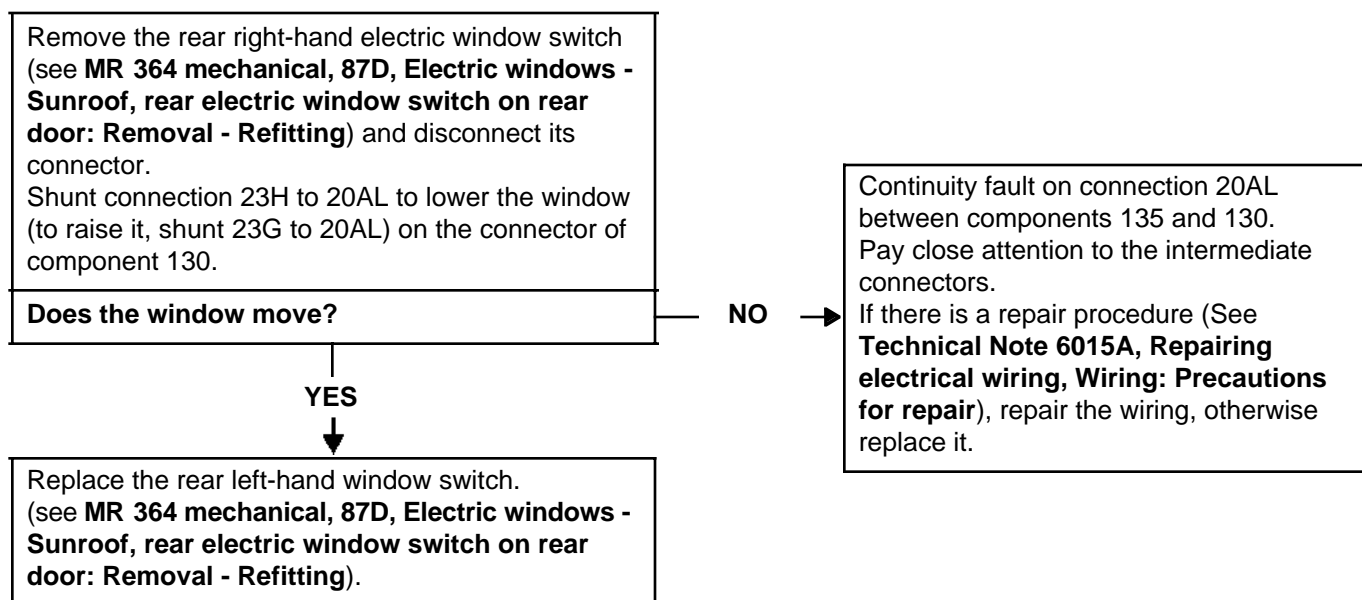
ALP28	Rear left-hand window does not operate at all with rear switch only
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Carry out the various checks with the battery charged and + after ignition feed switched on.</p> <p>Check that the fuses are sound.</p> <p>Use a multimeter.</p>
<p>Remove the rear left-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting) and disconnect its connector.</p> <p>Shunt connection 23J to 20AL to lower the window (to raise it, shunt 23K to 20AL) on the connector of component 131.</p>	
Does the window move?	<p>NO → Continuity fault on connection 20AL between components 135 and 131. Pay close attention to the intermediate connectors.</p> <p>If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>
YES	
<p>Replace the rear left-hand window switch. (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p>	
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

ALP28	Rear left-hand window does not operate at all with rear switch only
Applies to:	Rear one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Check that the fuses are sound. Use a multimeter.



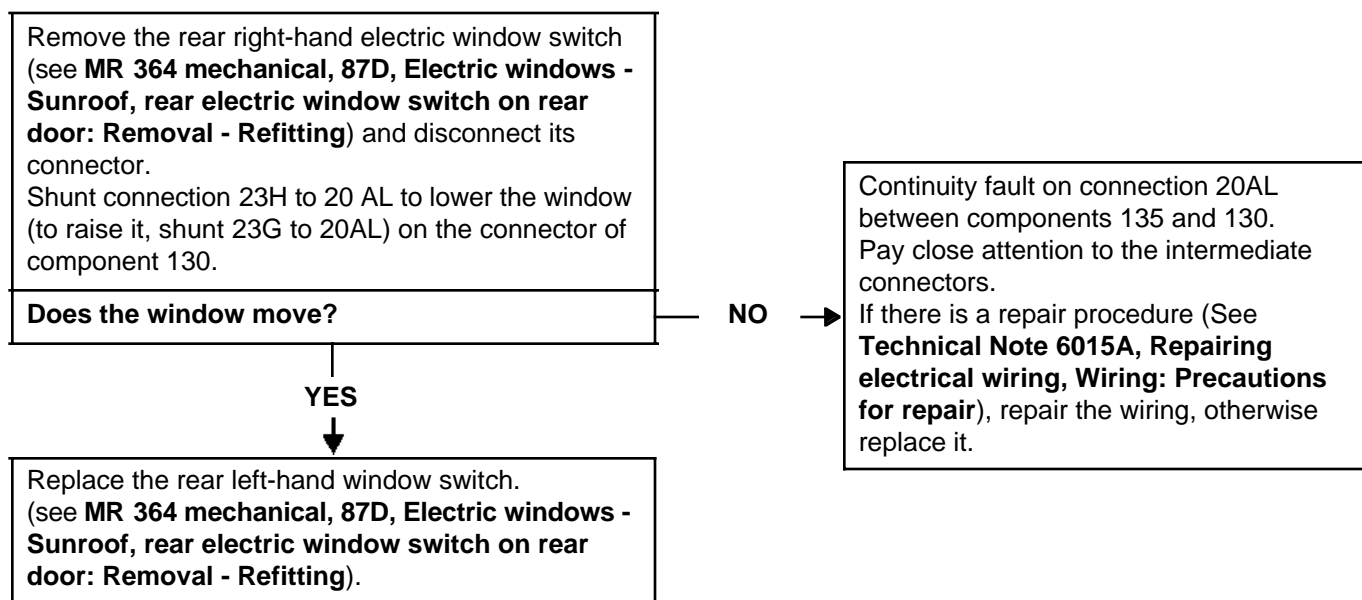
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP29	Rear right-hand window does not operate at all with rear switch only
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Check that the fuses are sound. Use a multimeter.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP29	Rear right-hand window does not operate at all with rear switch only
Applies to:	Rear one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Check that the fuses are sound. Use a multimeter.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP30	Rear left-hand window cannot be raised with rear switch and cannot be lowered with driver's switch
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Check that the fuses are sound. Use a multimeter.
Continuity fault on connection 23J. Remove the driver's electric window switches (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting). Remove the rear left-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting). Use an ohmmeter to check the continuity on connection 23J between components 1511 and 131. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.	
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

ALP30	Rear left-hand window cannot be raised with rear switch and cannot be lowered with driver's switch
Applies to:	Rear one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Check that the fuses are sound. Use a multimeter.
Continuity fault on connection 23J. Remove the driver's electric window switches (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting). Remove the rear left-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting). Use an ohmmeter to check the continuity on connection 23J between components 1511 and 131. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.	
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

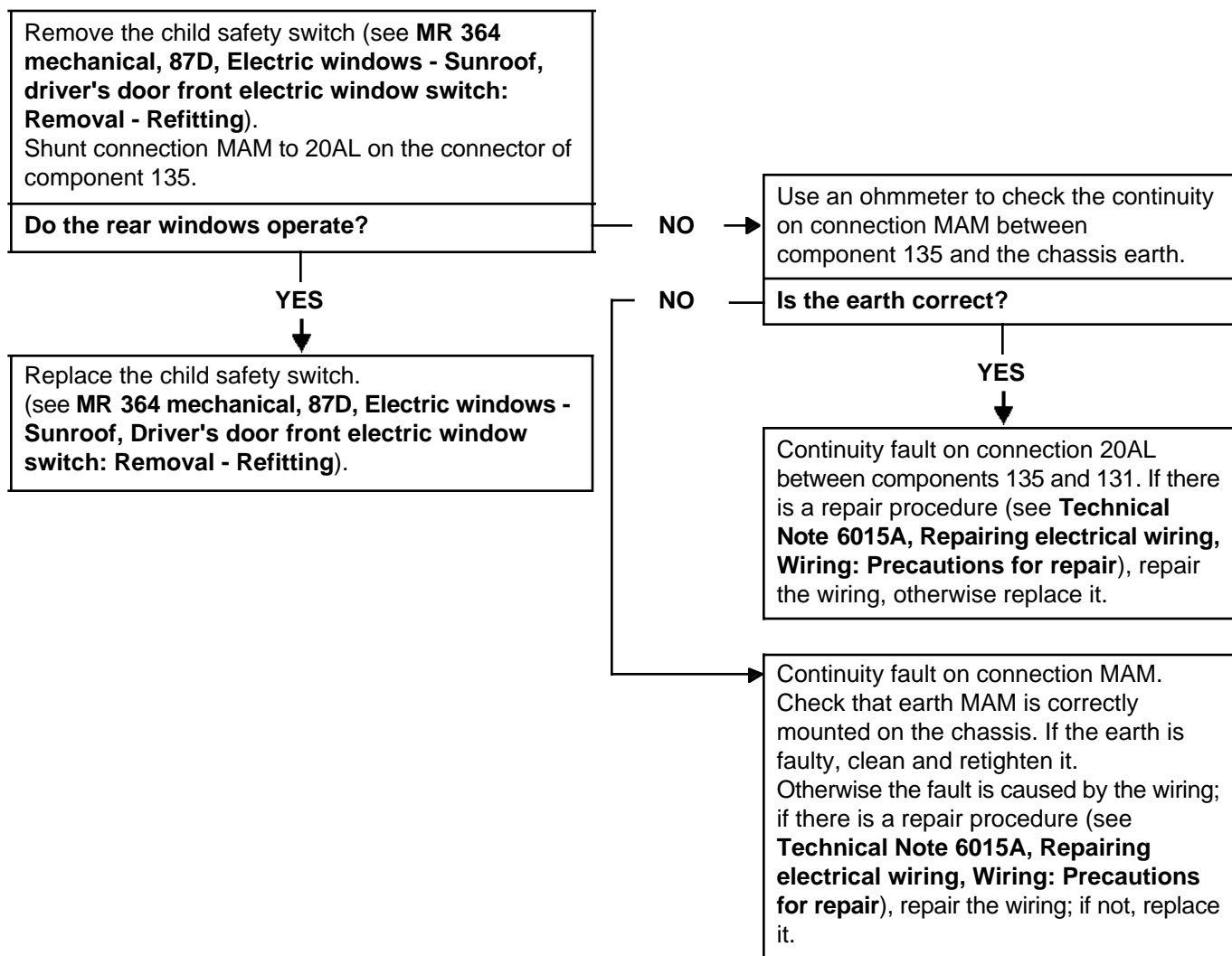
ALP31	Rear left-hand window cannot be lowered with rear switch and cannot be raised with driver's switch
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
Continuity fault on connection 23K. Remove the driver's electric window switches (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting). Remove the rear left-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting). Use an ohmmeter to check the continuity on connection 23K between components 1511 and 131. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP31	Rear left-hand window cannot be lowered with rear switch and cannot be raised with driver's switch
Applies to:	Rear one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
Continuity fault on connection 23K. Remove the driver's electric window switches (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting). Remove the rear left-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting). Use an ohmmeter to check the continuity on connection 23K between components 1511 and 131. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP32	Rear windows do not operate at all with the rear switches only
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.



AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP32	Rear windows do not operate at all with the rear switches only
Applies to:	Rear one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
<p>Remove the child safety switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting). Shunt connection MAN to 20AL on the connector of component 135.</p> <p>Do the rear windows operate?</p> <p>YES</p> <p>Replace the child safety switch. (see MR 364 mechanical, 87D, Electric windows - Sunroof, Driver's door front electric window switch: Removal - Refitting).</p>	
<p>NO → Use an ohmmeter to check the continuity on connection MAN of component 135 and the chassis earth.</p> <p>Is the earth correct?</p> <p>YES</p> <p>Continuity fault on connection 20AL between components 135 and 131. If there is a repair procedure (see Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p> <p>Continuity fault on connection MAN. Check that earth MAN is correctly mounted on the chassis. If the earth is faulty, clean and retighten it. Otherwise the fault is caused by the wiring; if there is a repair procedure (see Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring; if not, replace it.</p>	
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

ALP33	Rear right-hand window cannot be raised with rear switch and cannot be lowered with driver's switch
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
Continuity fault on connection 23H. Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting). Remove the rear right-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting). Use an ohmmeter to check the continuity on connection 23H between components 1511 and 130. If there is a repair procedure (see Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP33	Rear right-hand window cannot be raised with rear switch and cannot be lowered with driver's switch
Applies to:	Rear one-touch electric windows Right-hand drive vehicles
NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Carry out the various checks with the battery charged and + after ignition feed switched on.</p> <p>Use a multimeter.</p>
<p>Continuity fault on connection 23H.</p> <p>Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting).</p> <p>Remove the rear right-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p> <p>Use an ohmmeter to check the continuity on connection 23H between components 1511 and 130.</p> <p>If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP34	Rear right-hand window cannot be lowered with rear switch and cannot be raised with driver's switch
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Carry out the various checks with the battery charged and + after ignition feed switched on.</p> <p>Use a multimeter.</p>
<p>Continuity fault on connection 23G.</p> <p>Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting).</p> <p>Remove the rear right-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p> <p>Use an ohmmeter to check the continuity on connection 23G between components 1511 and 130.</p> <p>If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>	

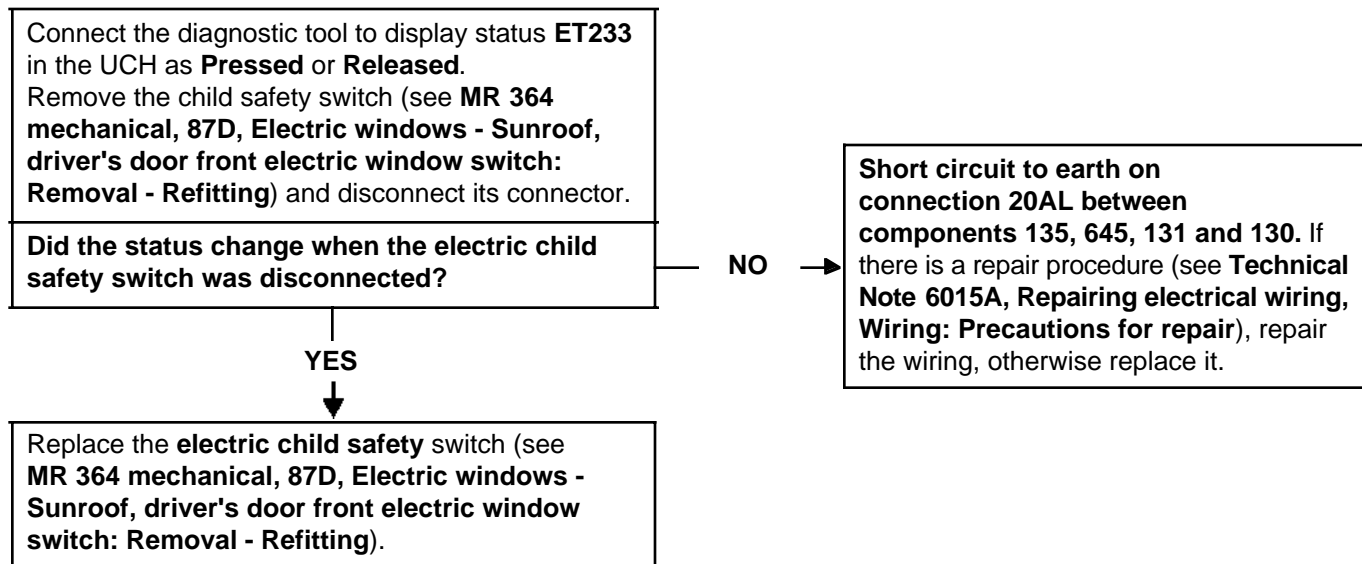
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP34	Rear right-hand window cannot be lowered with rear switch and cannot be raised with driver's switch
Applies to:	Rear one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
<p>Continuity fault on connection 23G. Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting).</p> <p>Remove the rear right-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p> <p>Use an ohmmeter to check the continuity on connection 23G between components 1511 and 130. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>	
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

ALP35	It is possible to open the rear windows with the rear switches and open the rear doors when the child safety system is active
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Applies to:	Rear one-touch electric windows Left-hand drive vehicles
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NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Carry out the various checks with the battery charged and + after ignition feed switched on.</p> <p>Use the diagnostic tool.</p> <p>Use the diagnostic tool to check that the Child safety (LC035) Selective opening of doors (LC029) and Deadlocking (LC003) configurations have been entered correctly.</p>
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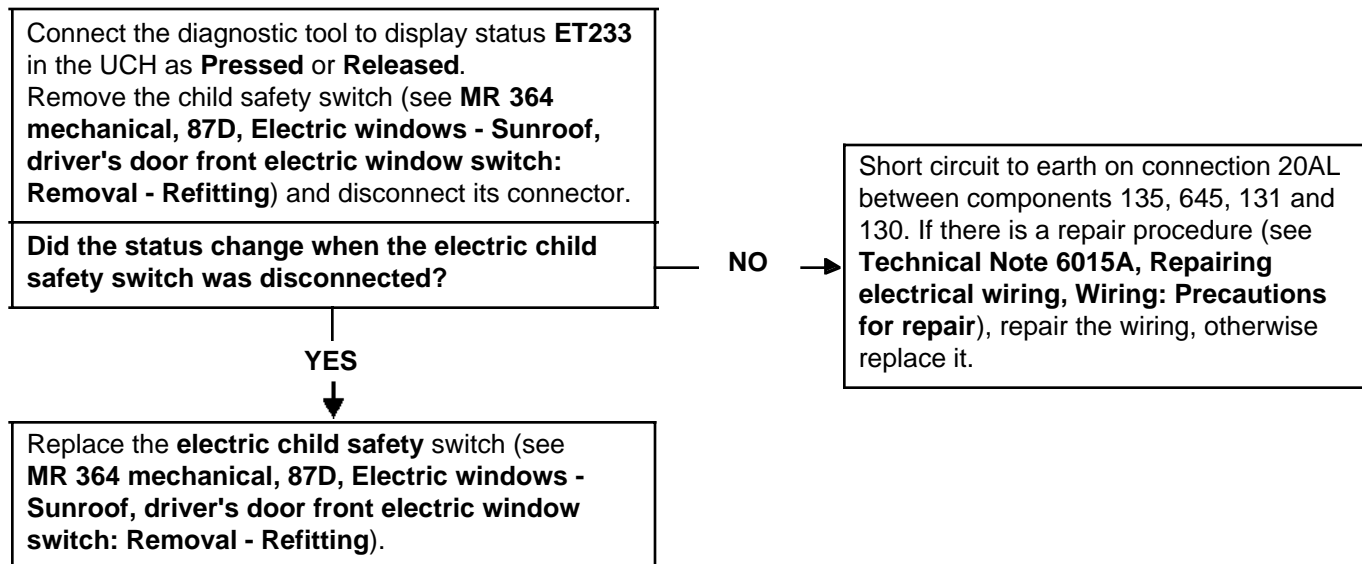


AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP35	It is possible to open the rear windows with the rear switches and open the rear doors when the child safety system is active
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Applies to:	Rear one-touch electric windows Right-hand drive vehicles
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NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Carry out the various checks with the battery charged and + after ignition feed switched on.</p> <p>Use the diagnostic tool.</p> <p>Use the diagnostic tool to check that the Child safety (LC035) Selective opening of doors (LC029) and Deadlocking (LC003) configurations have been entered correctly.</p>
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AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP36	One or more rear windows rise jerkily in 50 mm stages
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	The battery must be charged and + after ignition feed switched on.
The fault is due to a loss of initialisation. To resolve the fault (see Electric sunroof: Initialisation).	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP36	One or more rear windows rise jerkily in 50 mm stages
Applies to:	Rear one-touch electric windows Right-hand drive vehicles
NOTES	The battery must be charged and + after ignition feed switched on.
The fault is due to a loss of initialisation. To resolve the fault (see Electric sunroof: Initialisation).	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP37	For rear left-hand window using driver's switch only, closing not possible, no one-touch opening and the window lowers during one-touch closing
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
<p>Continuity fault on connection 23D. Remove the rear left-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p> <p>Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting).</p> <p>Use an ohmmeter to check the continuity on connection 23D between components 131 and 1511. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP37	For rear left-hand window using driver's switch only, closing not possible, no one-touch opening and the window lowers during one-touch closing
Applies to:	Rear one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
Continuity fault on connection 23D. Remove the rear left-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting). Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting). Use an ohmmeter to check the continuity on connection 23D between components 131 and 1511. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP38	For rear left-hand window using rear switch only, closing not possible, no one-touch opening and the window lowers during one-touch closing
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
<p>Continuity fault on connection 23D. Remove the rear left-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p> <p>Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting).</p> <p>Use an ohmmeter to check the continuity on connection 23D between components 131 and 1511. If there is a repair procedure (see Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP38	For rear left-hand window using rear switch only, closing not possible, no one-touch opening and the window lowers during one-touch closing
Applies to:	Rear one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
<p>Continuity fault on connection 23D.</p> <p>Remove the rear left-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p> <p>Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting).</p> <p>Use an ohmmeter to check the continuity on connection 23D between components 131 and 1511.</p> <p>If there is a repair procedure (see Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP39	For rear left-hand window using driver's switch only, opening not possible, no one-touch closing and the window rises during one-touch opening
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
<p>Continuity fault on connection 23C. Remove the rear left-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting). Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting). Use an ohmmeter to check the continuity on connection 23C between components 131 and 1511. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP39	For rear left-hand window using driver's switch only, opening not possible, no one-touch closing and the window rises during one-touch opening
Applies to:	Rear one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
<p>Continuity fault on connection 23C. Remove the rear left-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting). Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting). Use an ohmmeter to check the continuity on connection 23C between components 131 and 1511. If there is a repair procedure (see Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP40	For rear left-hand window using rear switch only, opening not possible, no one-touch closing and the window rises during one-touch opening
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
<p>Continuity fault on connection 23C. Remove the rear left-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p> <p>Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting).</p> <p>Use an ohmmeter to check the continuity on connection 23C between components 131 and 1511. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP40	For rear left-hand window using rear switch only, opening not possible, no one-touch closing and the window rises during one-touch opening
Applies to:	Rear one-touch electric windows Right-hand drive vehicles
NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Carry out the various checks with the battery charged and + after ignition feed switched on.</p> <p>Use a multimeter.</p>
<p>Continuity fault on connection 23C.</p> <p>Remove the rear left-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p> <p>Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting).</p> <p>Use an ohmmeter to check the continuity on connection 23C between components 131 and 1511.</p> <p>If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP41	For rear right-hand window using driver's switch only, closing not possible, no one-touch opening and the window lowers during one-touch closing
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Carry out the various checks with the battery charged and + after ignition feed switched on.</p> <p>Use a multimeter.</p>
<p>Continuity fault on connection 23B.</p> <p>Remove the rear right-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p> <p>Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting).</p> <p>Use an ohmmeter to check the continuity on connection 23B between components 130 and 1511.</p> <p>If there is a repair procedure (see Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP41	For rear right-hand window using driver's switch only, closing not possible, no one-touch opening and the window lowers during one-touch closing
Applies to:	Rear one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
<p>Continuity fault on connection 23B. Remove the rear right-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting). Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting). Use an ohmmeter to check the continuity on connection 23B between components 130 and 1511. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP42	For rear right-hand window using rear switch only, closing not possible, no one-touch opening and the window lowers during one-touch closing
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
<p>Continuity fault on connection 23B. Remove the rear right-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p> <p>Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting).</p> <p>Use an ohmmeter to check the continuity on connection 23B between components 130 and 1511. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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ALP42	For rear right-hand window using rear switch only, closing not possible, no one-touch opening and the window lowers during one-touch closing
Applies to:	Rear one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
<p>Continuity fault on connection 23B. Remove the rear right-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p> <p>Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting).</p> <p>Use an ohmmeter to check the continuity on connection 23B between components 130 and 1511. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP43	For rear right-hand window using driver's switch only, opening not possible, no one-touch closing and the window rises during one-touch opening
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
<p>Continuity fault on connection 23A.</p> <p>Remove the rear right-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p> <p>Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting).</p> <p>Use an ohmmeter to check the continuity on connection 23A between components 130 and 1511.</p> <p>If there is a repair procedure (see Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	---

ALP43	For rear right-hand window using driver's switch only, opening not possible, no one-touch closing and the window rises during one-touch opening
--------------	--

Applies to:	Rear one-touch electric windows Right-hand drive vehicles
--------------------	--

NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
--------------	--

Continuity fault on connection 23A.

Remove the rear right-hand electric window switch (see **MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting**).

Remove the driver's electric window switch (see **MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting**).

Use an ohmmeter to check the continuity on connection 23A between components 130 and 1511.

If there is a repair procedure (See **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
---------------------	--

ALP44	For rear right-hand window using rear switch only, opening not possible, no one-touch closing and the window rises during one-touch opening
Applies to:	Rear one-touch electric windows Left-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
<p>Continuity fault on connection 23A.</p> <p>Remove the rear right-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p> <p>Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting).</p> <p>Use an ohmmeter to check the continuity on connection 23A between components 130 and 1511.</p> <p>If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>	
AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).

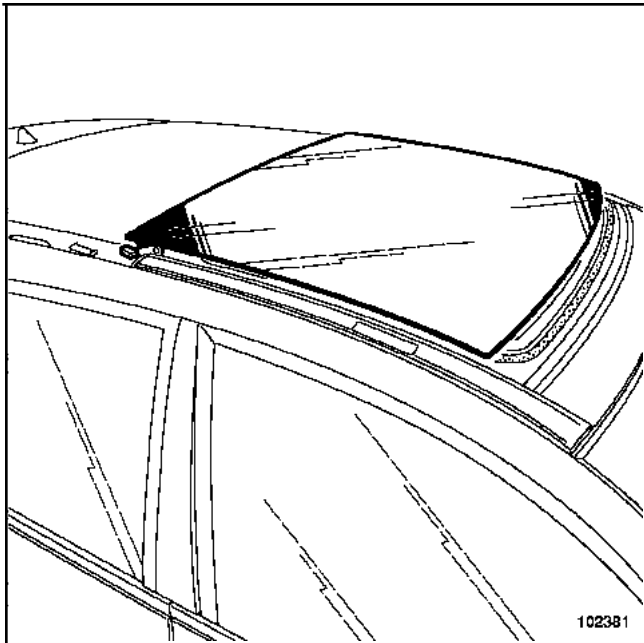
ALP44	For rear right-hand window using rear switch only, opening not possible, no one-touch closing and the window rises during one-touch opening
Applies to:	Rear one-touch electric windows Right-hand drive vehicles
NOTES	Use Technical Note Wiring diagram, Mégane II ph2. Carry out the various checks with the battery charged and + after ignition feed switched on. Use a multimeter.
<p>Continuity fault on connection 23A. Remove the rear right-hand electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, rear electric window switch on rear door: Removal - Refitting).</p> <p>Remove the driver's electric window switch (see MR 364 mechanical, 87D, Electric windows - Sunroof, driver's door front electric window switch: Removal - Refitting).</p> <p>Use an ohmmeter to check the continuity on connection 23A between components 130 and 1511. If there is a repair procedure (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.</p>	

AFTER REPAIR	Check that the electric windows are operating correctly; if not, run fault finding (see Customer complaints).
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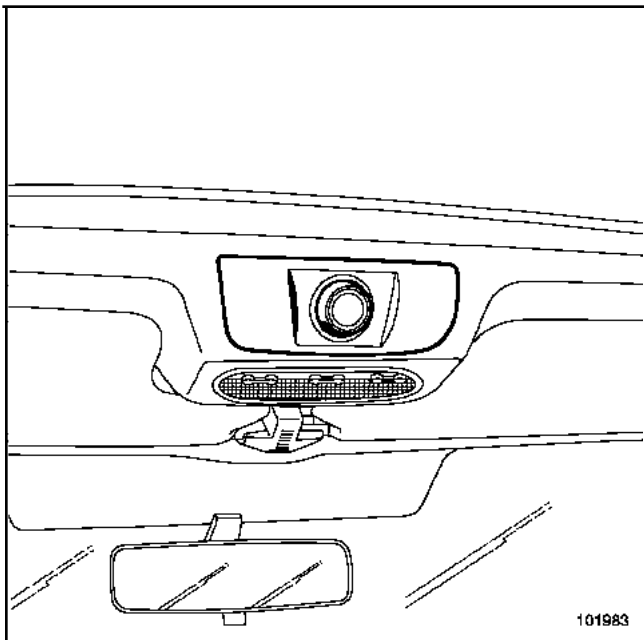
ELECTRIC WINDOWS - SUNROOF

Electric sunroof: List of components and their locations

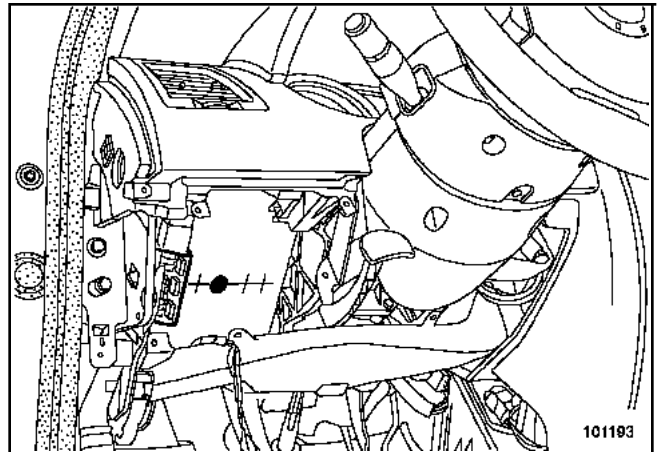
87D



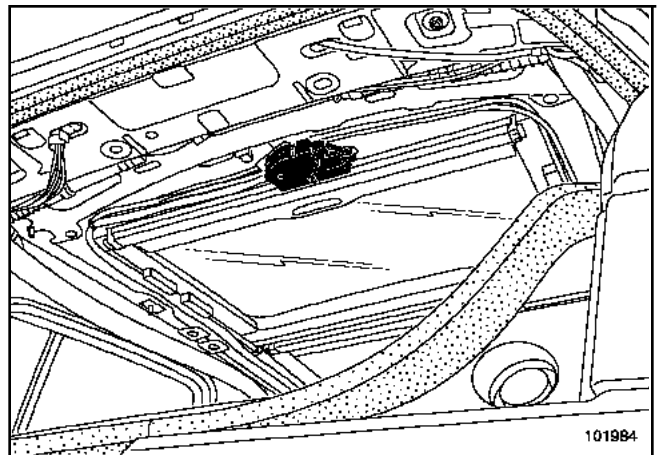
Moving roof glass.



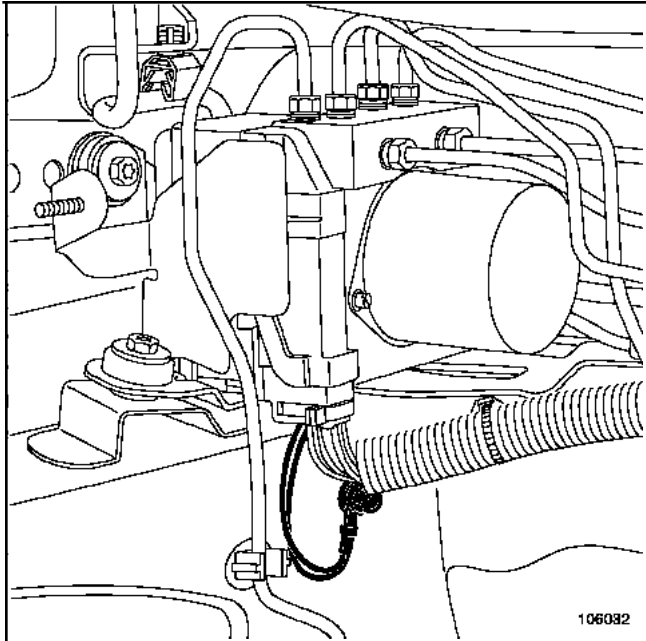
Roof opening and closing switch.



UCH located under the dashboard on the left-hand side.



Sunroof motor/computer, mounted at the rear of the roof.

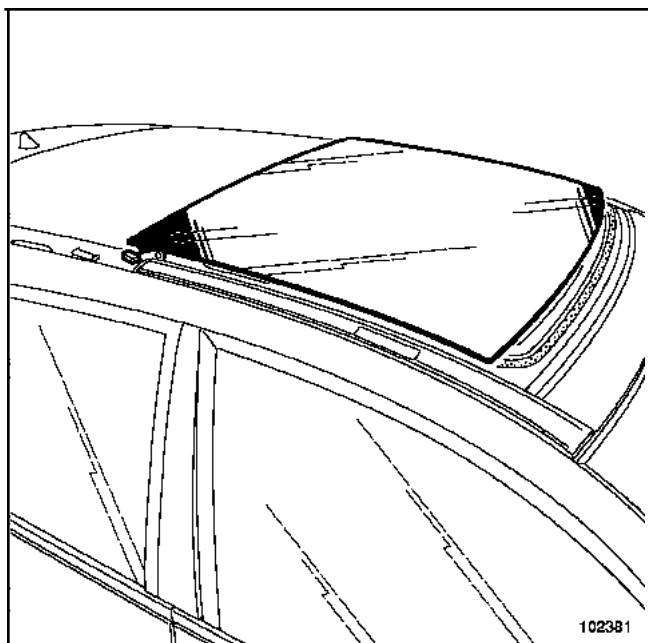


ABS mounted in the engine compartment.

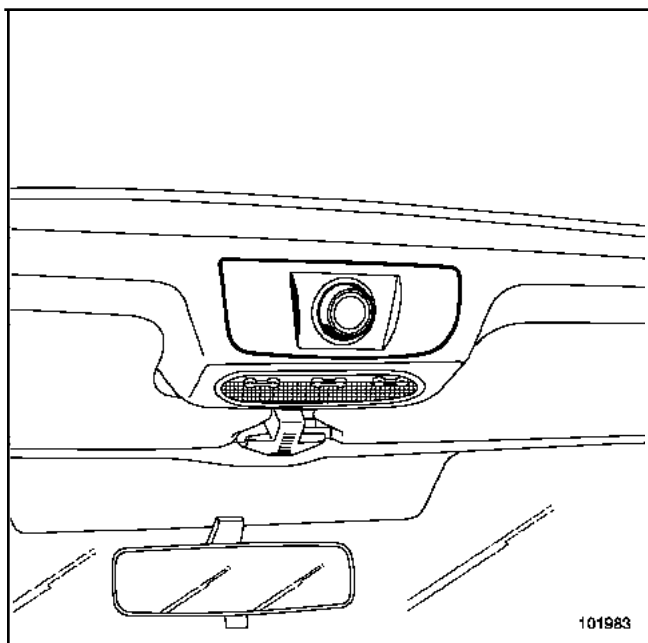
ELECTRIC WINDOWS - SUNROOF

Electric sunroof: Component functions

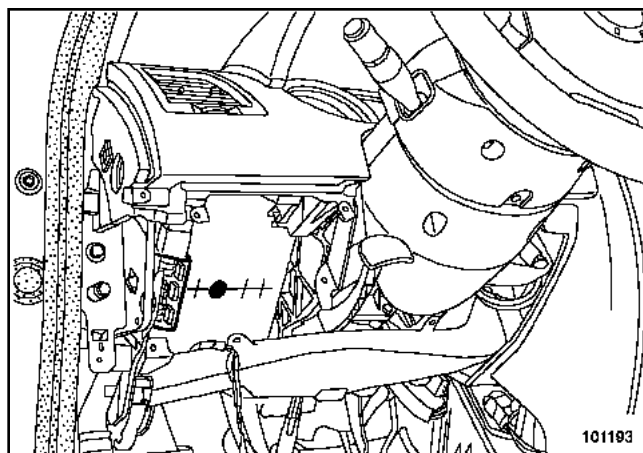
87D



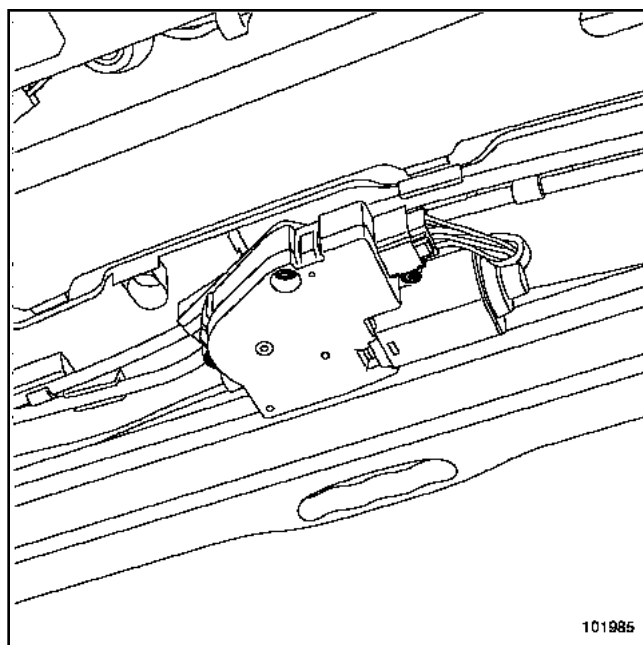
Gives increased air circulation and lets more light into the vehicle.



The electric sunroof switch allows the customer to select any one of four open positions. One tilted position and three sliding positions.



The operation of the sunroof is authorised by the UCH.

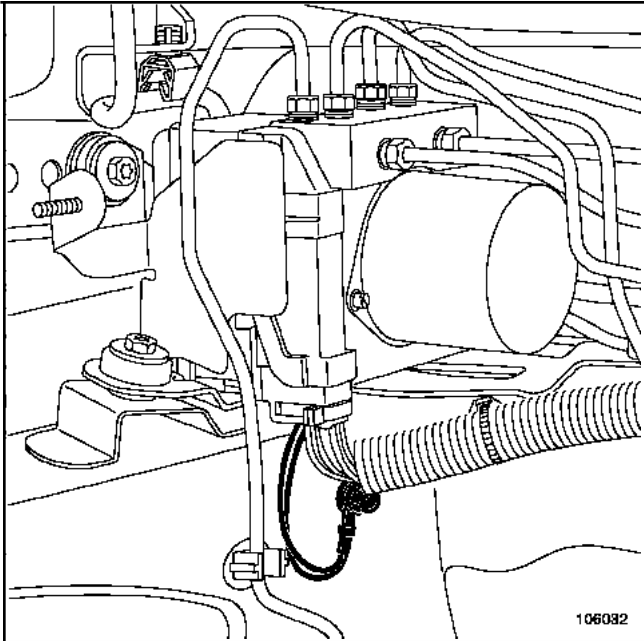


The computer (incorporated in the motor) receives the request to open or close from the switch. The motor (controlled by the computer) drives a mechanism to make the glass roof slide.

ELECTRIC WINDOWS - SUNROOF

Electric sunroof: Component functions

87D

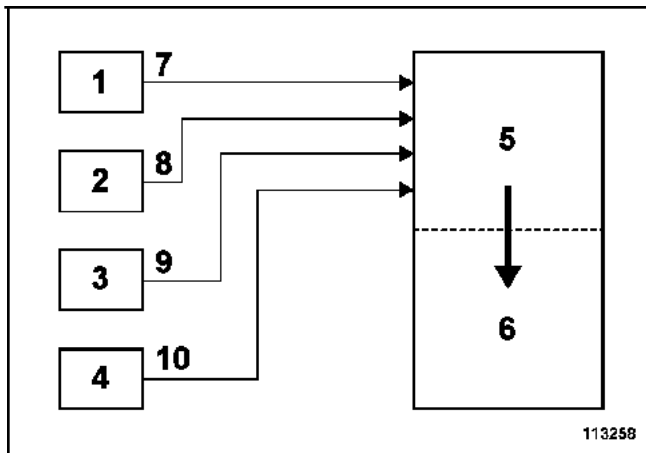


The ABS sends the speed signal to the sunroof computer.

ELECTRIC WINDOWS - SUNROOF

Electric sunroof: Operating diagram

87D



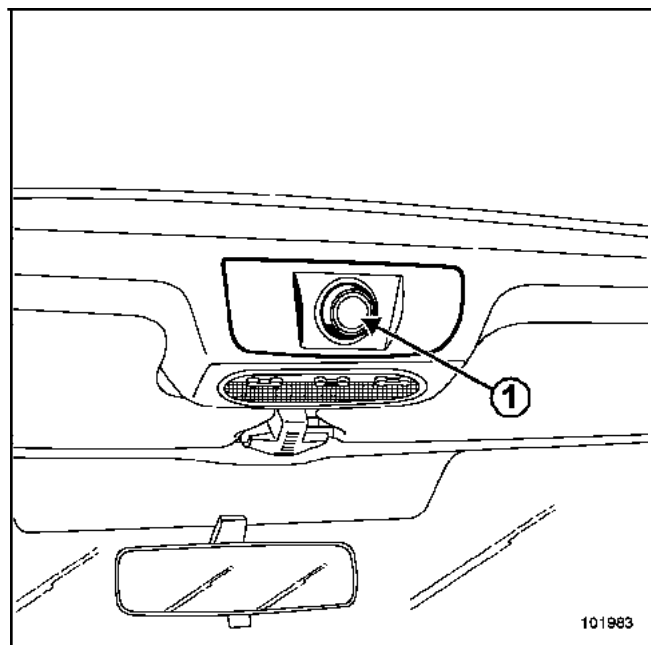
- 1 Fuse and relay unit
- 2 UCH
- 3 ABS computer
- 4 Roof opening and closing switch.
- 5 Sunroof computer
- 6 Sunroof electric motor
- 7 Sunroof motor and computer feed
- 8 Authorisation to operate
- 9 Vehicle speed
- 10 Request to open or close

The electric sunroof has four open positions (one tilted position and three sliding positions) controlled by the same motor. The electric sunroof also has an anti-pinch function.

The sunroof motor requires a feed to operate it. The feed is supplied via the computer. The computer receives signals from the switch and the authorisation from the UCH (**0 V authorisation and 12 V no authorisation**). The computer also receives information about the motor's speed of rotation and direction of rotation.

Remote closing of the sunroof (vehicles fitted with one-touch windows).

To close the sunroof remotely, lock the doors with the RENAULT card by pressing the locking button twice. In hands-free mode, the button on one of the door handles or the boot handle should be pressed twice.



After closing the sunroof remotely, pressing button (1) once allows the sunroof to recall the position it was in before it was closed.

ANTI-PINCH

Anti-pinch is a safety function that stops the roof closing when it detects a point of resistance (distorted rail, presence of a hand, etc.).

The detection of an obstacle is based on an analysis of the sunroof motor's speed of rotation.

During the initialisation phase, the motor computer stores the speed curve.

The computer compares the sunroof's speed of movement (motor's speed of rotation) with the stored speed of movement.

The computer also receives information about the vehicle speed, so that at high speed the wind pressure working against the closing movement of the roof is taken into account.

Depending on the speed variation detected, the system decides whether or not to trigger the anti-pinch function.

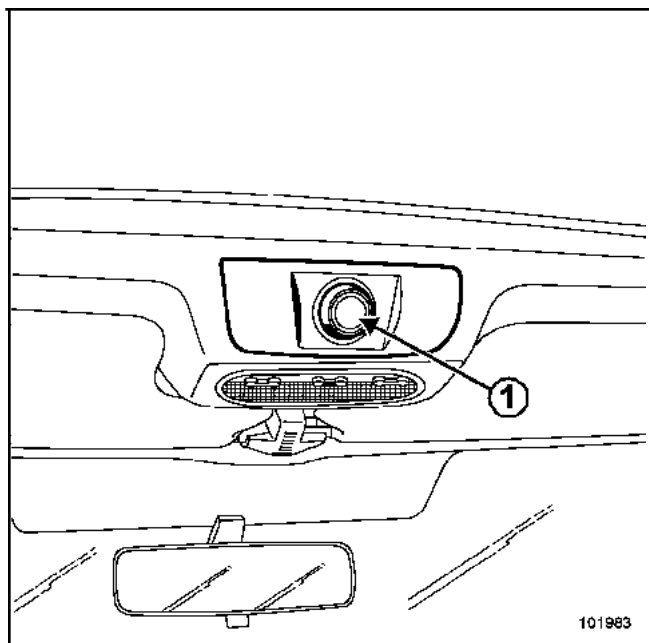
WARNING

The anti-pinch function only operates if the sunroof has been correctly initialised (see **Initialisation**).

ELECTRIC WINDOWS - SUNROOF

Sunroof: Defect mode and safe mode

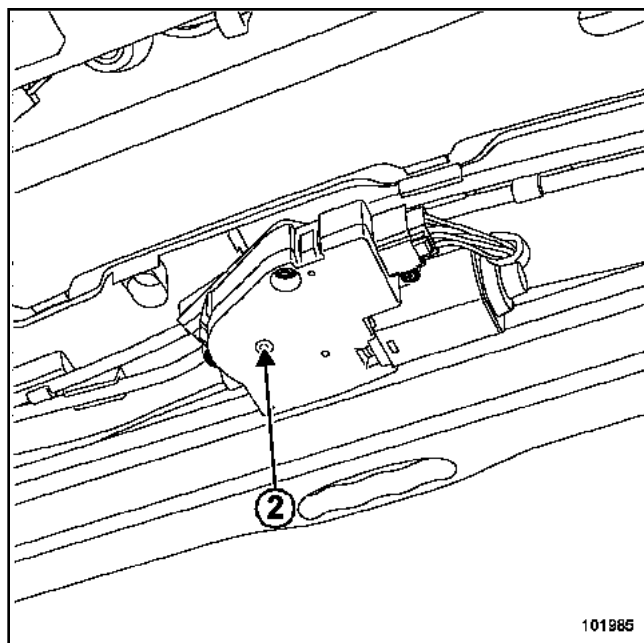
87D



If so desired, the anti-pinch function can be inhibited when there is an obstacle (rail distortion, foreign body in the runners, etc.).

Procedure:

- 1: Start the engine.
- 2: Move the sunroof control to the closed position (control turned fully to the left).
- 3: Press and hold the switch **(1) just after the anti-pinch function is triggered**. The sunroof will close 5 cm at a time. The anti-pinch becomes active again when the control is released.



If the sunroof motor breaks down, it is possible to move the roof manually using an Allen key at (2).

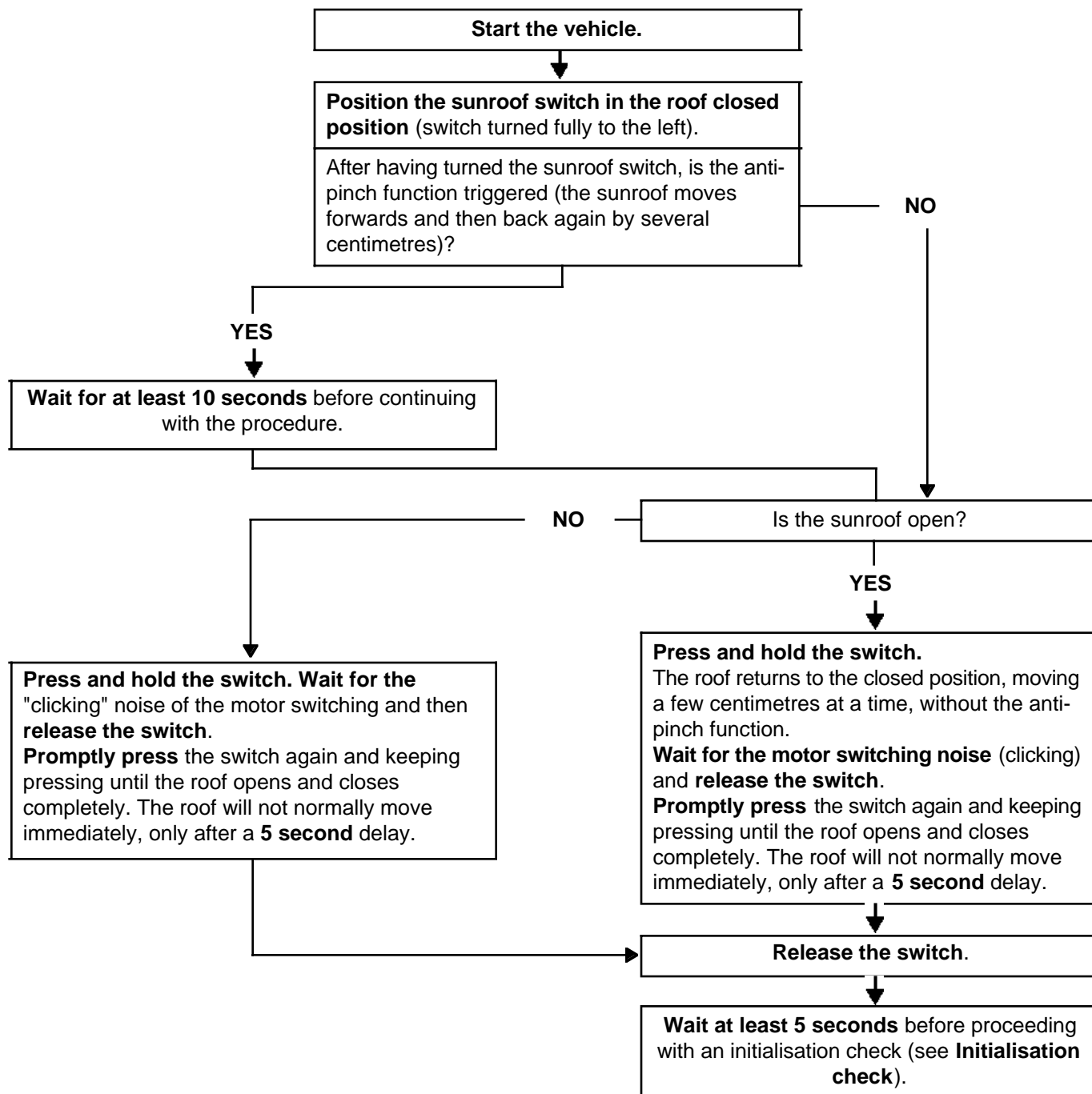
ELECTRIC WINDOWS - SUNROOF

Electric sunroof: Initialisation

87D

WARNING

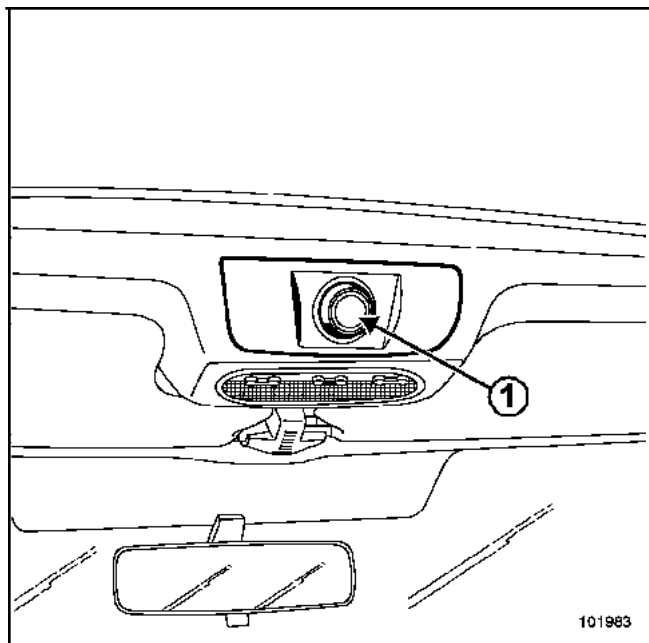
The anti-pinch function is only operational if the sunroof has been correctly initialised.
Before starting the initialisation, read through the whole procedure.



WARNING

Wait at least **5 seconds** before carrying out another initialisation procedure. If the procedure is interrupted during the cycle, start again from the beginning, otherwise the sunroof will no longer operate.

INITIALISATION CHECK



- 1 Start the engine.
- 2 Set the sunroof control to the fully open position.
- 3 Wait for the sunroof to open completely.
- 4 Set the sunroof control to the fully closed position.
- 5 Wait for the sunroof to close completely.
- 6 Turn the engine off.

If the opening and closing of the sunroof have proceeded correctly (without triggering the anti-pinch function), the sunroof is initialised.

If the anti-pinch function triggers when the sunroof is closing, see **Sunroof, Customer complaints**.

NOTES

Only refer to these customer complaints after a full check with the diagnostic tool.

THE SUNROOF

- | | | |
|---|---|-------|
| — | The sunroof does not operate at all | ALP 1 |
| — | The sunroof does not operate in certain positions on the control | ALP 2 |
| — | The sunroof does not close when driving (anti-pinch is triggered) | ALP 3 |
| — | The sunroof is difficult to close or the anti-pinch is triggered without any apparent obstacles | ALP 4 |
| — | The sunroof cannot be closed remotely | ALP 5 |

ALP 1

The sunroof does not operate at all

NOTES

Use Technical Note Wiring diagram, Mégane II ph2.
 Carry out the various checks with the battery charged and + after ignition feed switched on. Check that the fuses are sound.
 Use a multimeter and a 55 W test bulb.
 Use the diagnostic tool.

Carry out UCH configuration reading and check that command **LC070** (ONE-TOUCH ELECTRIC WINDOWS/SUNROOF) is configured **WITH**.

Is command LC070 correctly configured?

NO

Modify the configuration (see **87B**, Passenger compartment connection unit).

YES

Move the sunroof control to the **Closed** position and press and hold the central part of the control.

After pressing the central part of the control for approximately 10 seconds, does the roof move smoothly?

NO

Check the feeds using a test bulb on connector R301, connection code BP93 and MAM. Pay close attention to fuse E 20A (component code 260).

Does the bulb light up correctly?

YES

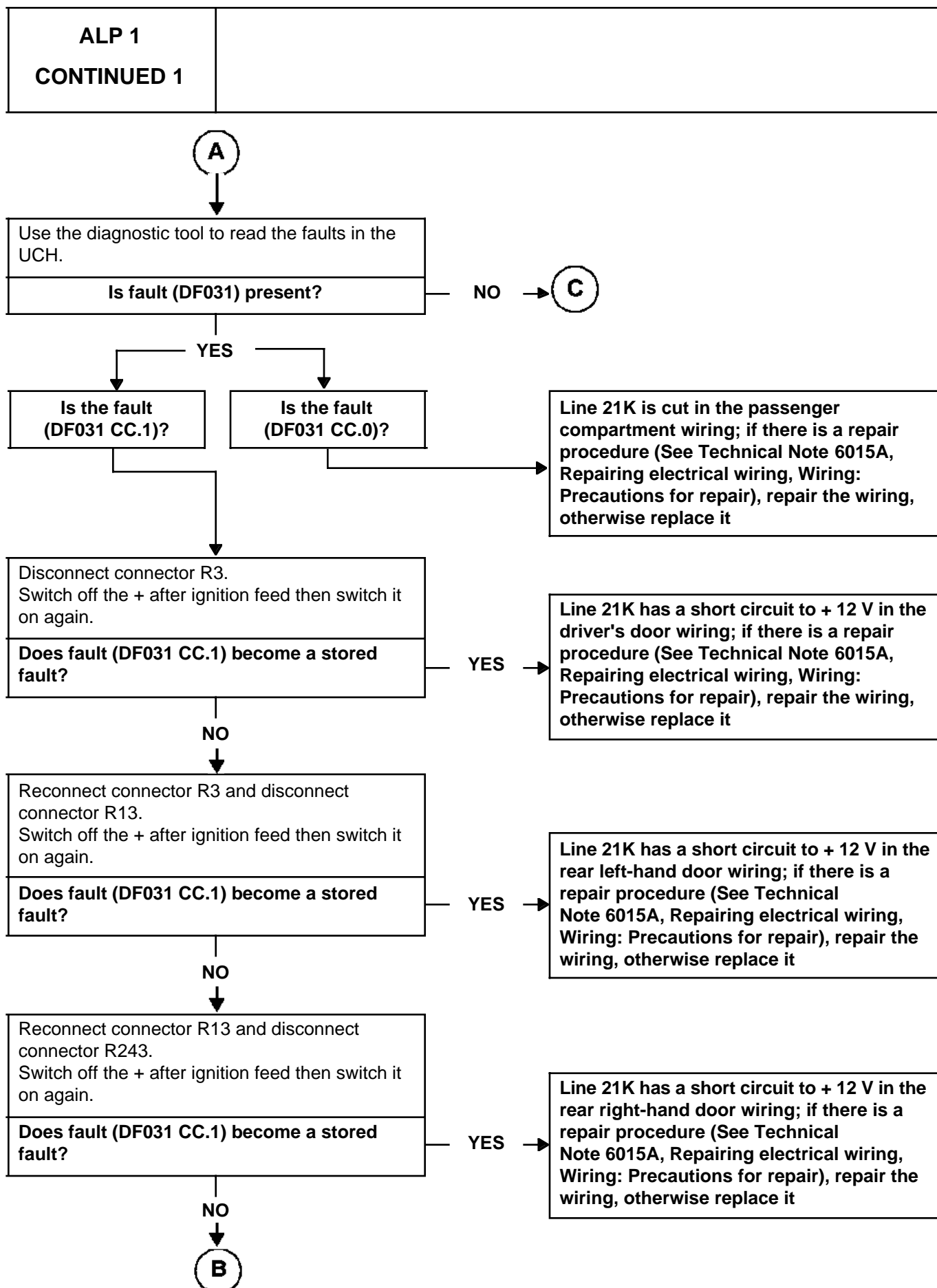
See ALP 4

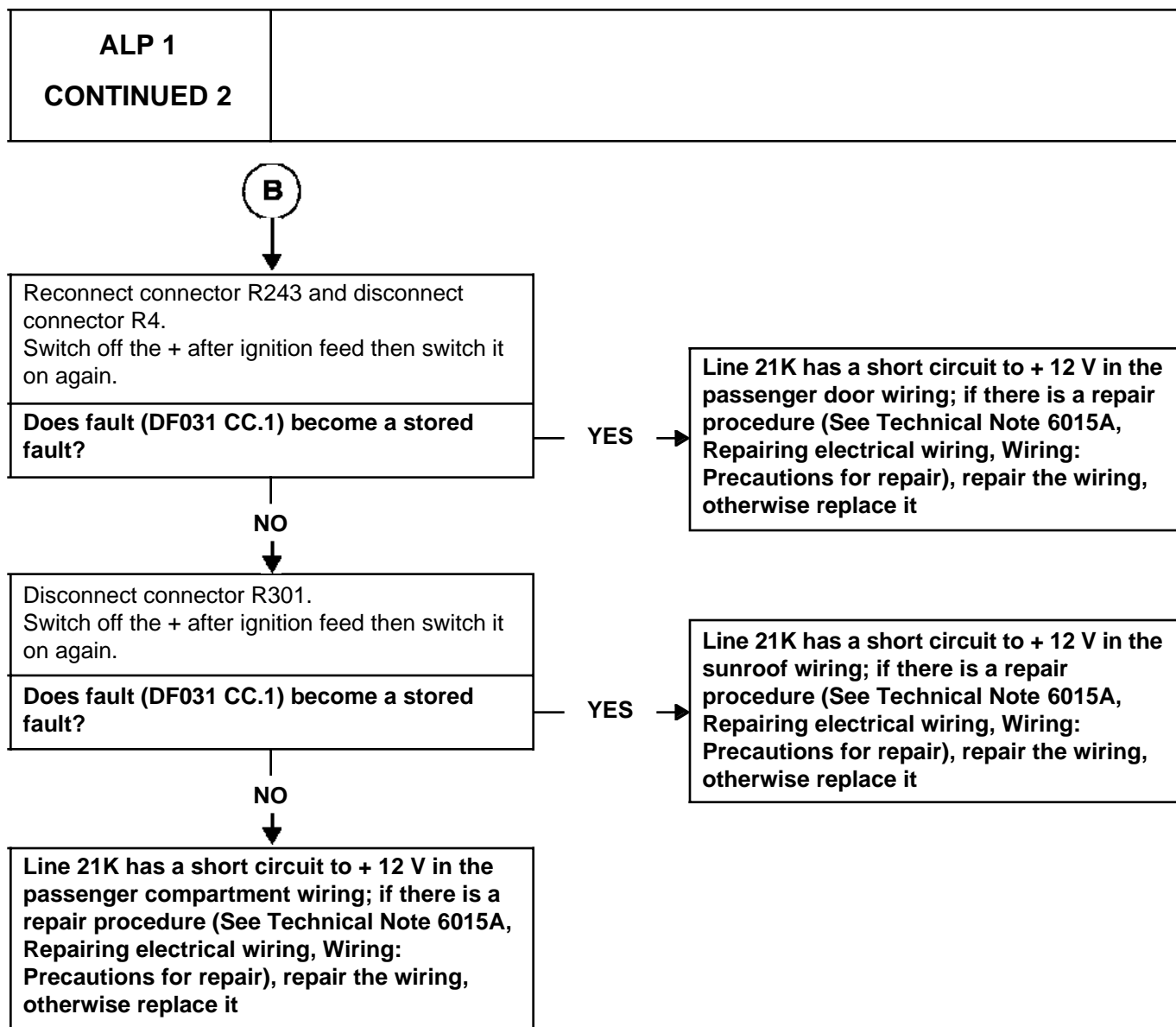
YES

NO

A

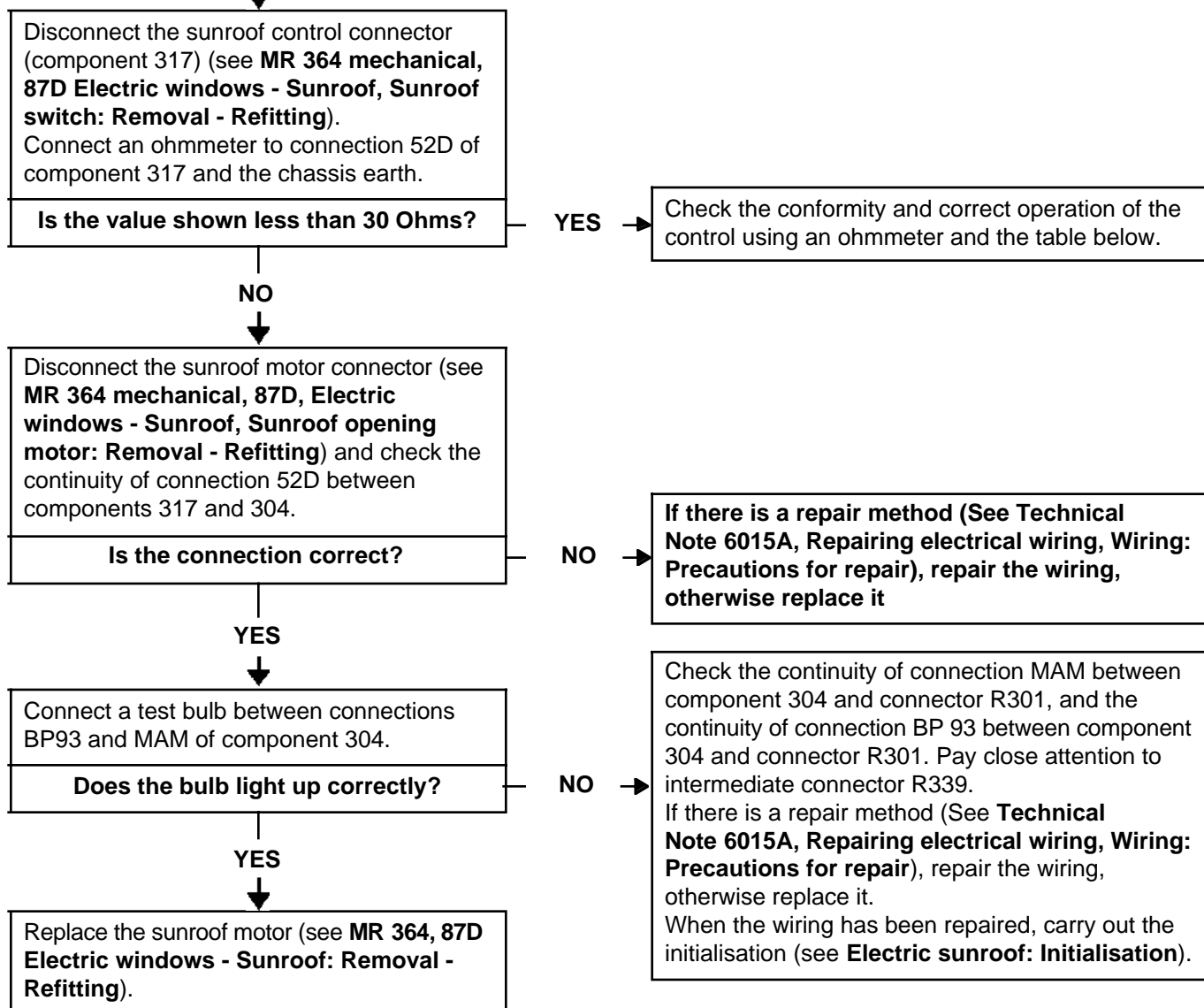
Check the continuity of connection BP 93 between component 260 and connector R301 and connection MAM between connector R301 and the chassis earth.
If there is a repair method (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.



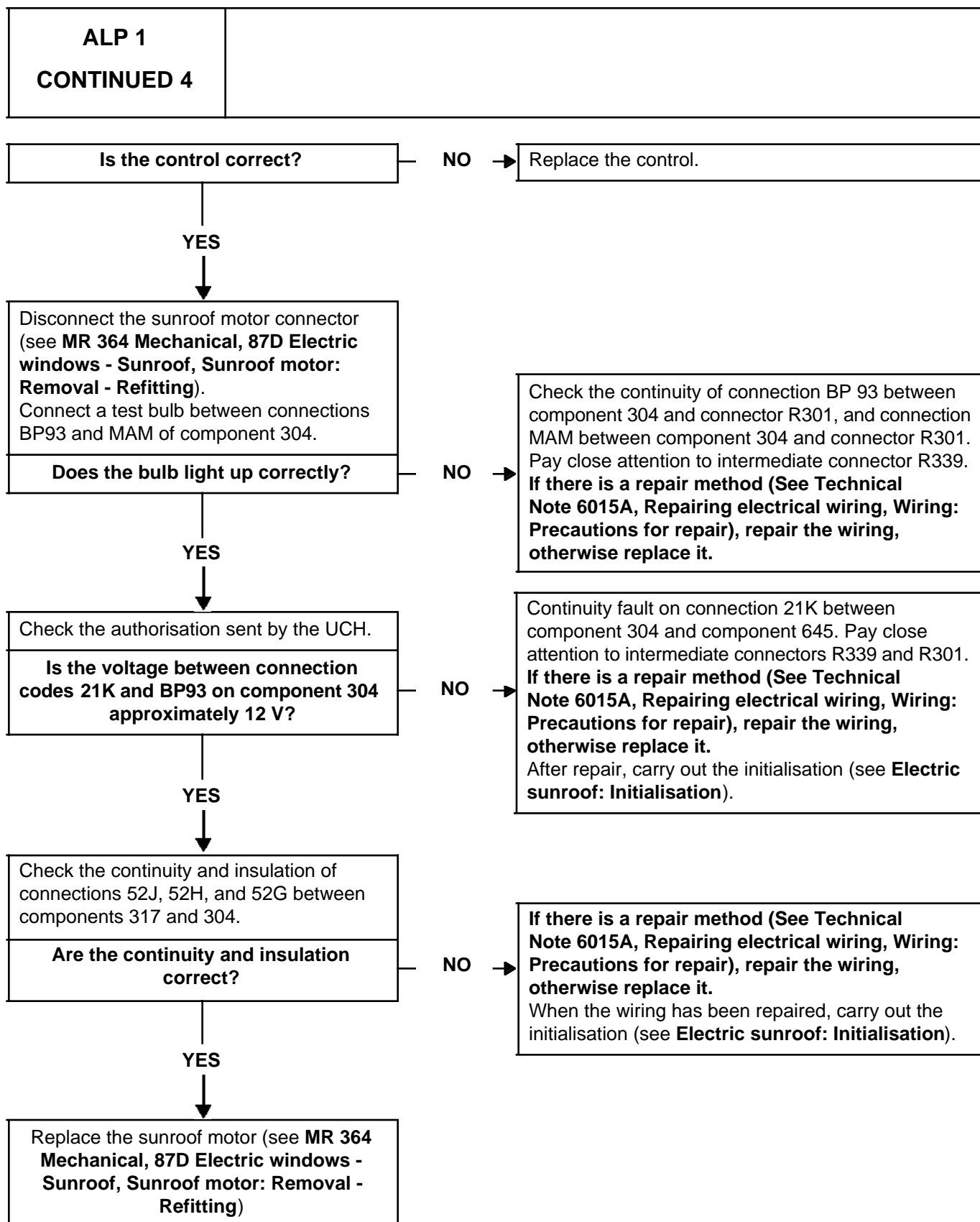


ALP 1 CONTINUED 3	
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(C)



Control position	Tracks 1 and 2	Tracks 1 and 3	Tracks 1 and 5
Closed	100 Ω Max.	100 Ω Max.	∞
Tilt position	∞	100 Ω Max.	∞
Sliding position 1	∞	100 Ω Max.	100 Ω Max.
Sliding position 2	∞	∞	100 Ω Max.
Sliding position 3	100 Ω Max.	∞	100 Ω Max.
Pressed	100 Ω Max.	100 Ω Max.	100 Ω Max.



ALP 2

The sunroof does not operate in certain positions on the control

NOTES

Use Technical Note Wiring diagram, Mégane II ph2.
Carry out the various checks with a multimeter.

Does the sunroof operate in at least one of the control positions?

NO →

See ALP 1

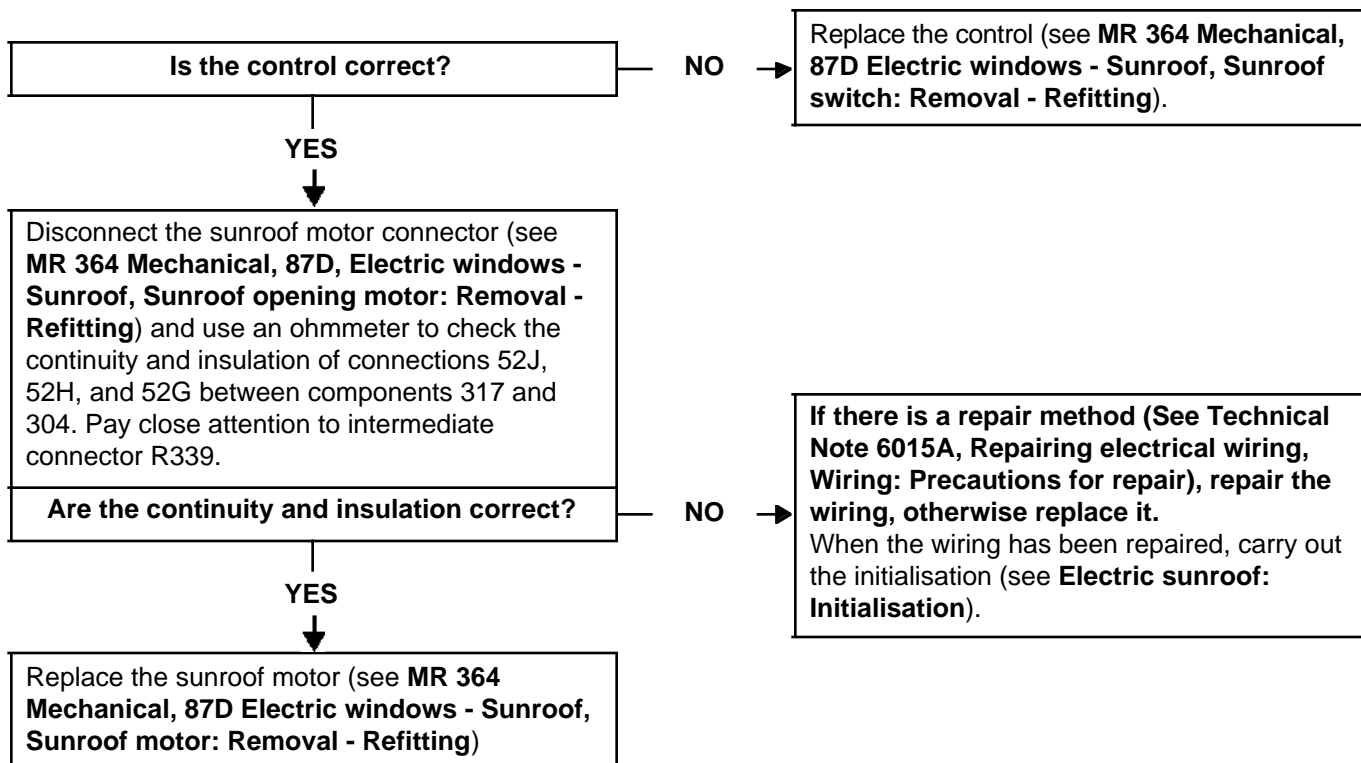
YES
↓

Disconnect the sunroof control and check its conformity and correct operation using an ohmmeter and the table below.

Control position	Tracks 1 and 2	Tracks 1 and 3	Tracks 1 and 5
Closed	100 Ω Max.	100 Ω Max.	∞
Tilt position	∞	100 Ω Max.	∞
Sliding position 1	∞	100 Ω Max.	100 Ω Max.
Sliding position 2	∞	∞	100 Ω Max.
Sliding position 3	100 Ω Max.	∞	100 Ω Max.
Pressed	100 Ω Max.	100 Ω Max.	100 Ω Max.

ALP 2 CONTINUED	
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NOTES	<p>Use the Technical Note Wiring diagram, Mégane II ph 2.</p> <p>Carry out the various checks with the battery charged and + after ignition feed switched on.</p> <p>Use a multimeter.</p>
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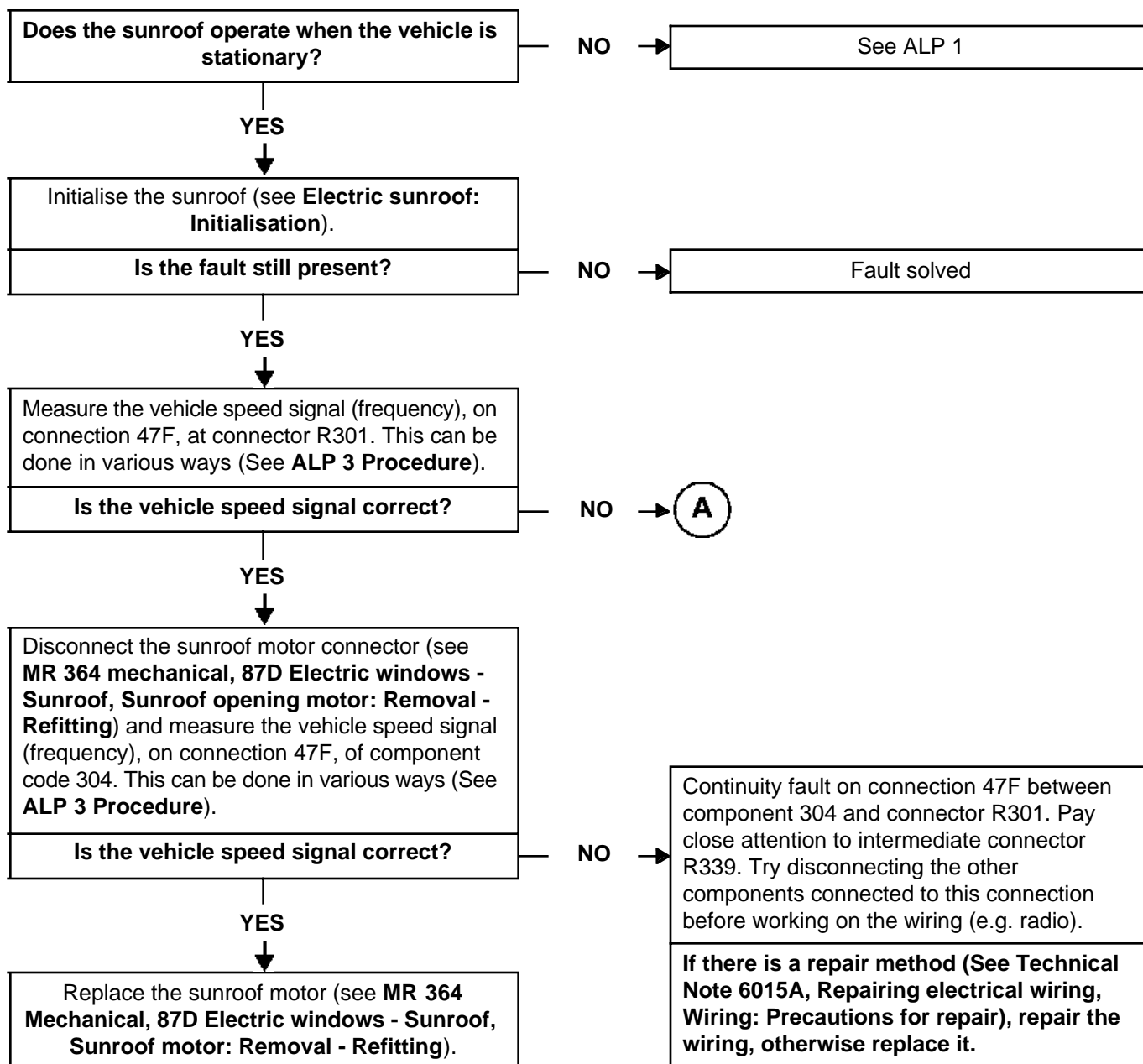


ALP 3

The sunroof does not close when driving (anti-pinch is triggered)

NOTES

Use Technical Note Wiring diagram, Mégane II ph2.
Carry out the various checks with the battery charged and + after ignition feed switched on.



ALP 3 CONTINUED 1	
----------------------	--

A



Check the insulation and continuity of connection 47F between component 118 (or 1094 with ESP or 953 with wheel speed computer) and connector R301.

Is the connection in good condition?

NO



YES



Run a fault finding check on the ABS (see **38C, Anti-lock braking system, Introduction**).

If there is a repair method (See Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair), repair the wiring, otherwise replace it.

When the wiring has been repaired, carry out the initialisation (see **Electric sunroof: Initialisation**).

Remember to disconnect other components connected to this connection before working on the wiring (e.g. radio).

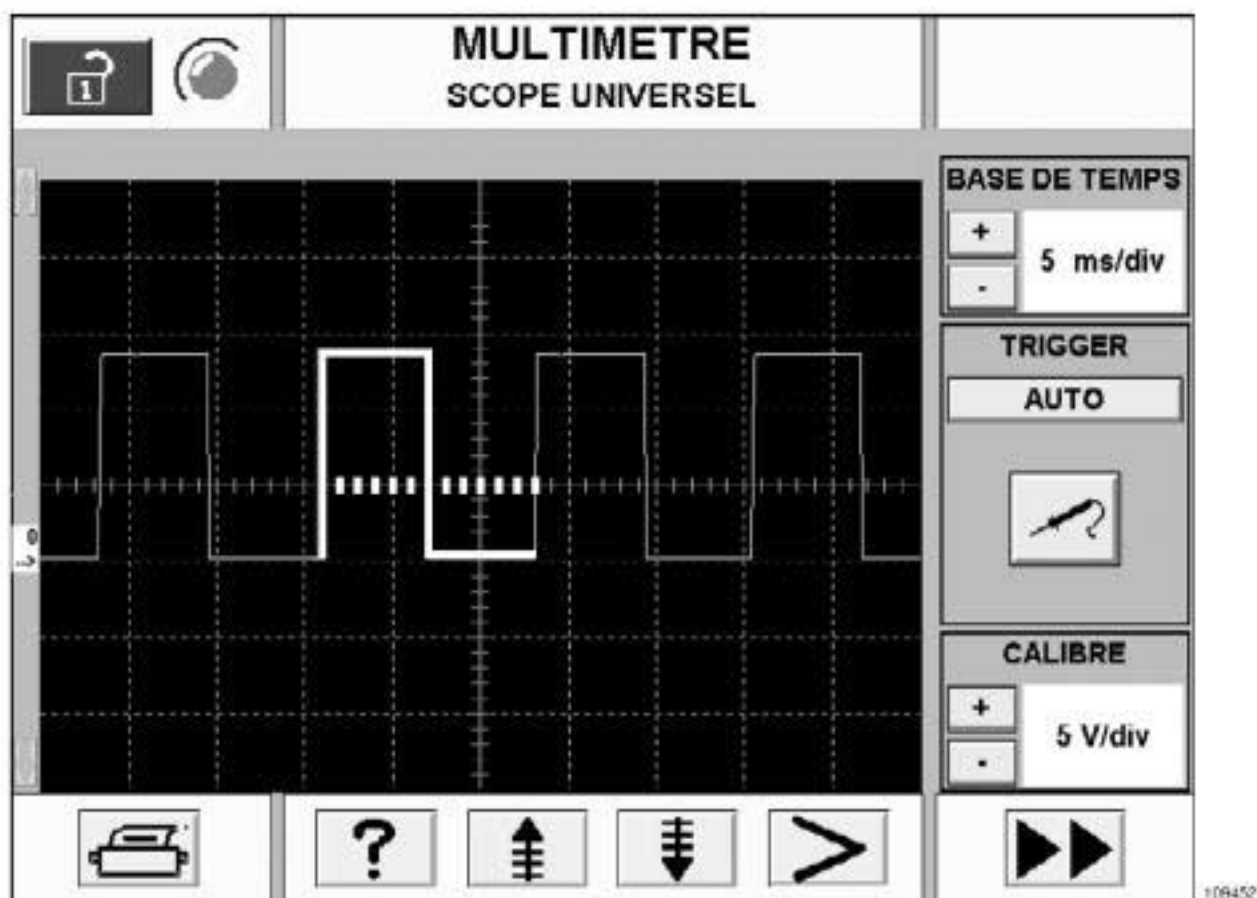
ALP 3 CONTINUED 2	
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Checking procedure

NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Check that the sunroof works properly when the vehicle is stationary.</p> <p>Use the diagnostic tool and/or a multimeter.</p>
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IMPORTANT

To make the ABS send a signal on connection 47F, run command **AC195** using the diagnostic tool. This command generates a speed signal on the wire connection (**approximately 100 Hz**) sent to all consumers of this signal (radio, roof, etc.). This command (AC195) has no visible effect on the instrument panel speedometer. For vehicles without ABS, carry out a road test.



ALP 3 CONTINUED 3	
------------------------------------	--

When using the oscilloscope (CLIP)

1 - Set the oscilloscope with a time base of 5 ms/div and a calibration of 5 V/div (as shown in the illustration).

2 - Convert the signal into time in seconds.

Example: **T = 12 ms = 0.012 s.**

3 - Convert this time into frequency.

E.g.: **F: $1/T = 1/0.012 = 83.333$ Hz**

Oscilloscope or multimeter in frequency meter mode.

To convert frequency to km/h, multiply the frequency by 18 and divide by 25.

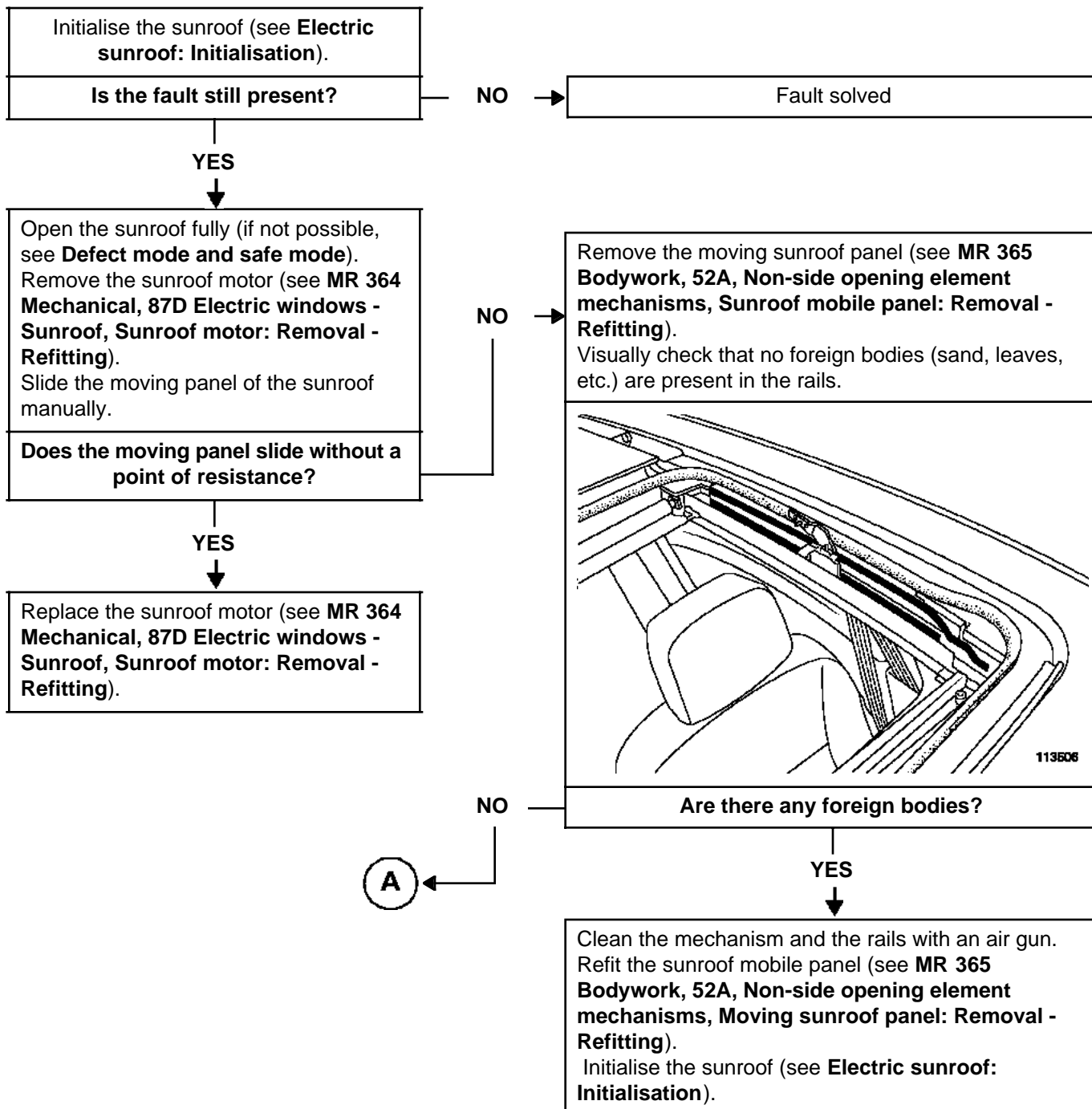
To convert the result into miles, multiply by 0.6.

E.g.: **0.6 x (83.333 (Hz) X 18/25) = 36 mph**

The frequency of the measured signal gives the approximate speed on the instrument panel.

ALP 4	The sunroof is difficult to close or the anti-pinch is triggered without any apparent obstacles
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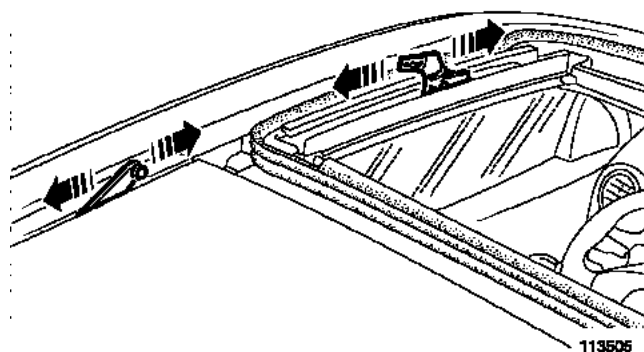
NOTES	Carry out the various checks with the battery charged and + after ignition feed switched on.
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ALP 4
CONTINUED 1



Manually check that all of the linkages (front and rear) slide correctly.



Lubricate the rails, linkages and mechanisms (see **MR 365 Bodywork, 52A, Non-side opening element mechanisms, Moving sunroof panel: Removal - Refitting**). Refit the moving sunroof panel. Initialise the sunroof (see **Electric sunroof: Initialisation**).

Is the fault still present?

NO →

Fault solved

YES
↓

Is the anti-pinch triggered when the sunroof reaches the deflector?

NO →

Replace the sunroof (see **MR 365 Bodywork, Non-side opening element mechanisms, Sunroof: Removal - Refitting**).

YES
↓



ALP 4 CONTINUED 2	
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B



Remove the sunroof deflector (see **MR 365 Bodywork, 52A Non-side opening element mechanisms, Sunroof deflector: Removal - Refitting**). Initialise the sunroof (see **Electric sunroof: Initialisation**).

Does the anti-pinch still trigger?

NO



Replace the sunroof deflector (see **MR 365 Bodywork, 52A Non-side opening element mechanisms, Sunroof deflector: Removal - Refitting**). Initialise the sunroof (see **Electric sunroof: Initialisation**).

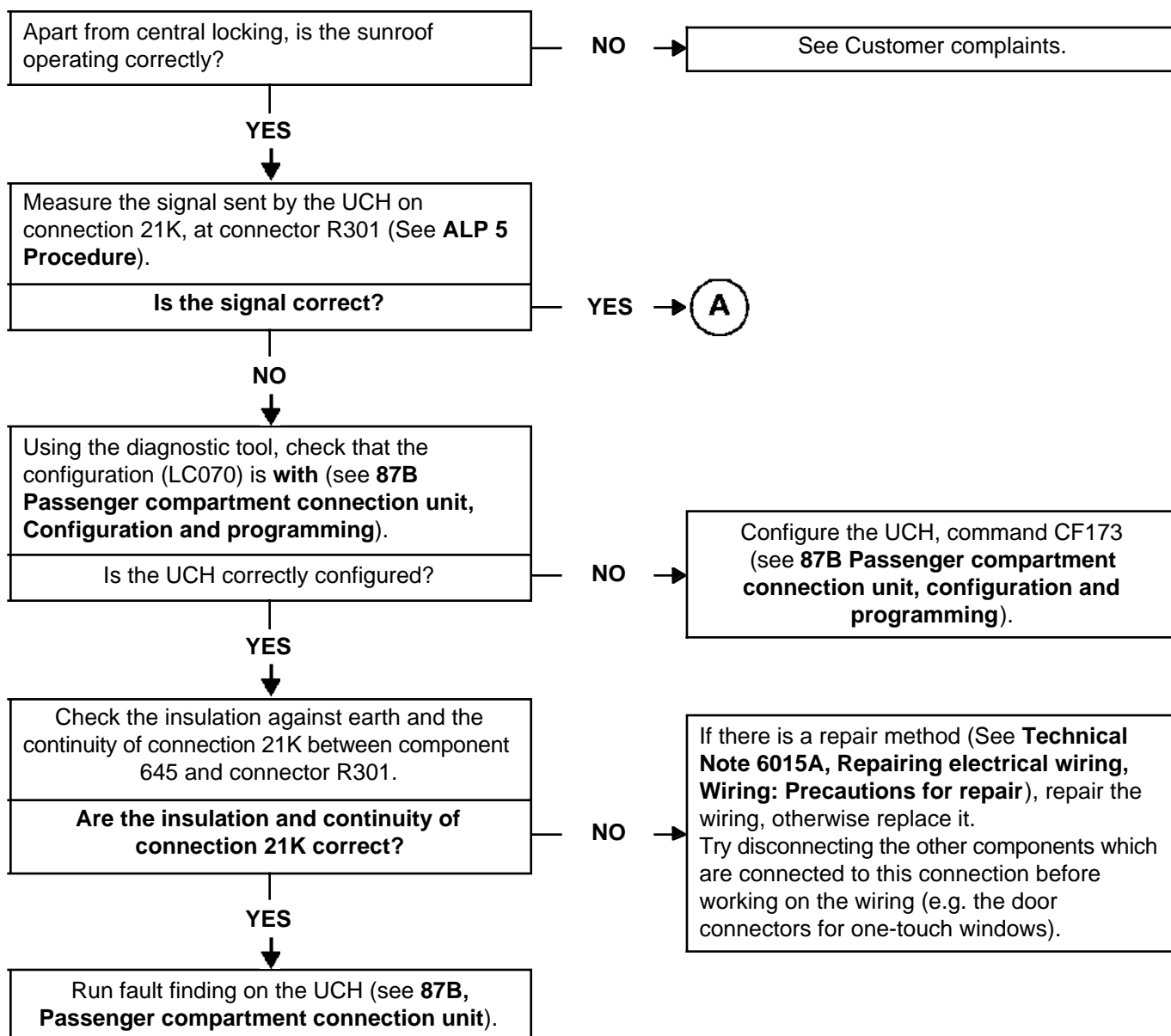
YES



Replace the sunroof (see **MR 364 Mechanical, 87D Electric windows - Sunroof, Sunroof motor: Removal - Refitting**).

ALP 5	The sunroof cannot be closed remotely
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NOTES	<p>Use Technical Note Wiring diagram, Mégane II ph2.</p> <p>Check that the vehicle is fitted with one-touch windows.</p> <p>Check that the one-touch windows and the sunroof are correctly initialised and that they are operating correctly in normal mode (if not, refer to the relevant ALP).</p> <p>Use the diagnostic tool.</p>
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ALP 5 CONTINUED 1	
----------------------	--

A



Disconnect the sunroof motor (See **MR 364 Mechanical, 87D Electric windows - Sunroof, Sunroof motor: Removal - Refitting**). Measure the signal sent by the UCH on connection 21K, at component 304 (See **ALP 5 Procedure**).

Is the signal correct?

NO



Insulation or continuity fault on connection 21K between component 304 and connector R301. If there is a repair procedure (See **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

YES



Replace the sunroof motor (see **MR 364 Mechanical, 87D Electric windows - Sunroof, Sunroof motor: Removal - Refitting**).

ALP 5
CONTINUED 2

Procedure

NOTES

Use Technical Note Wiring diagram, Mégane II ph2.
Use the diagnostic tool.

Procedure:

Set the oscilloscope (CLIP) as shown below (time base **50 ms/div**, calibration **5 V/div**, trigger in normal mode with a pulse edge of **5 V** see point 1).

Connect the negative probe to the chassis earth and the positive probe to connection 21K.

Lock the doors by pressing the locking button on the RENAULT card twice, or by pressing the button on one of the door handles.

The signal sent by the UCH must match that shown below (bottom of trace is 150 ms).