

# MEGANE

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## 8 Electrical equipment

**87B**

### PASSENGER COMPARTMENT CONNECTION UNIT

UCH

Vdiag No.: 44, 48, 4C, 4D, 4F, 50

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V10

Edition Anglaise

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

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

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## 1. SCOPE OF THIS DOCUMENT

This document presents the fault finding procedure applicable to all computers with the following specifications:

Vehicle(s): **Mégane II, Scénic II**

Function concerned: **UCH**

Name of computer: **UCH**

Vdiag No.: **44, 48, 4C, 4D, 4F, 50.**

## 2. PREREQUISITES FOR FAULT FINDING

### Documentation type:

**Fault finding procedures** (this document):

- Assisted fault finding (integrated into the diagnostic tool), Dialogys.

**Wiring Diagrams:**

- Visu-Schéma (CD-ROM), paper.

### Type of diagnostic tools:

- **CLIP**

### Special tooling required:

| Special tooling required |                   |
|--------------------------|-------------------|
| Multimeter               |                   |
| <b>Elé. 1681</b>         | Universal bornier |

## 3. REMINDERS

### Procedure

To run fault finding on the vehicle computers, switch on the forced + after ignition feed.

Proceed as follows:

#### Switch on the forced + after ignition feed:

- with the vehicle card in the card reader,
- press and hold start button (longer than **5 seconds**) with start-up conditions not fulfilled,
- connect the **diagnostic tool** and perform the required operations.

#### Switching off the forced + after ignition feed:

Press the Start button twice briefly (less than **3 seconds**).

ensure that the + after ignition feed has been cut off by checking that the computer indicator lights on the instrument panel have gone out.

## Faults

Faults are declared present or stored (depending on whether they appeared in a certain context and have disappeared since, or whether they remain present but are not diagnosed within the current context).

The **present** or **stored** status of faults should be taken into consideration when the **diagnostic tool** is used after the forced + after ignition feed is switched on (without acting on the system components).

For a **present fault**, apply the procedure described in the **Interpretation of faults** section.

For a **stored fault**, note the faults displayed and apply the instructions in the **Notes** section.

If the fault is **confirmed** when the instructions in the Notes section are applied, the fault is present. Deal with the fault.

If the fault is **not confirmed**, check:

- The electric lines on which there is a fault;
- The connectors on those lines (corrosion, bent pins, etc.);
- The resistance of the faulty component;
- The condition of the wires (insulation melted or split, chafing, etc.).

## Conformity check

The aim of the conformity check is to check data that does not produce a fault on the **diagnostic tool** because the data is inconsistent. Therefore, this stage is used to:

- carry out fault finding on faults that do not have a fault display, and which may correspond to a customer complaint.
- check that the system is operating correctly and that there is no risk of a fault recurring after repairs.

This section gives the fault finding procedures for statuses and parameters and the conditions for checking them.

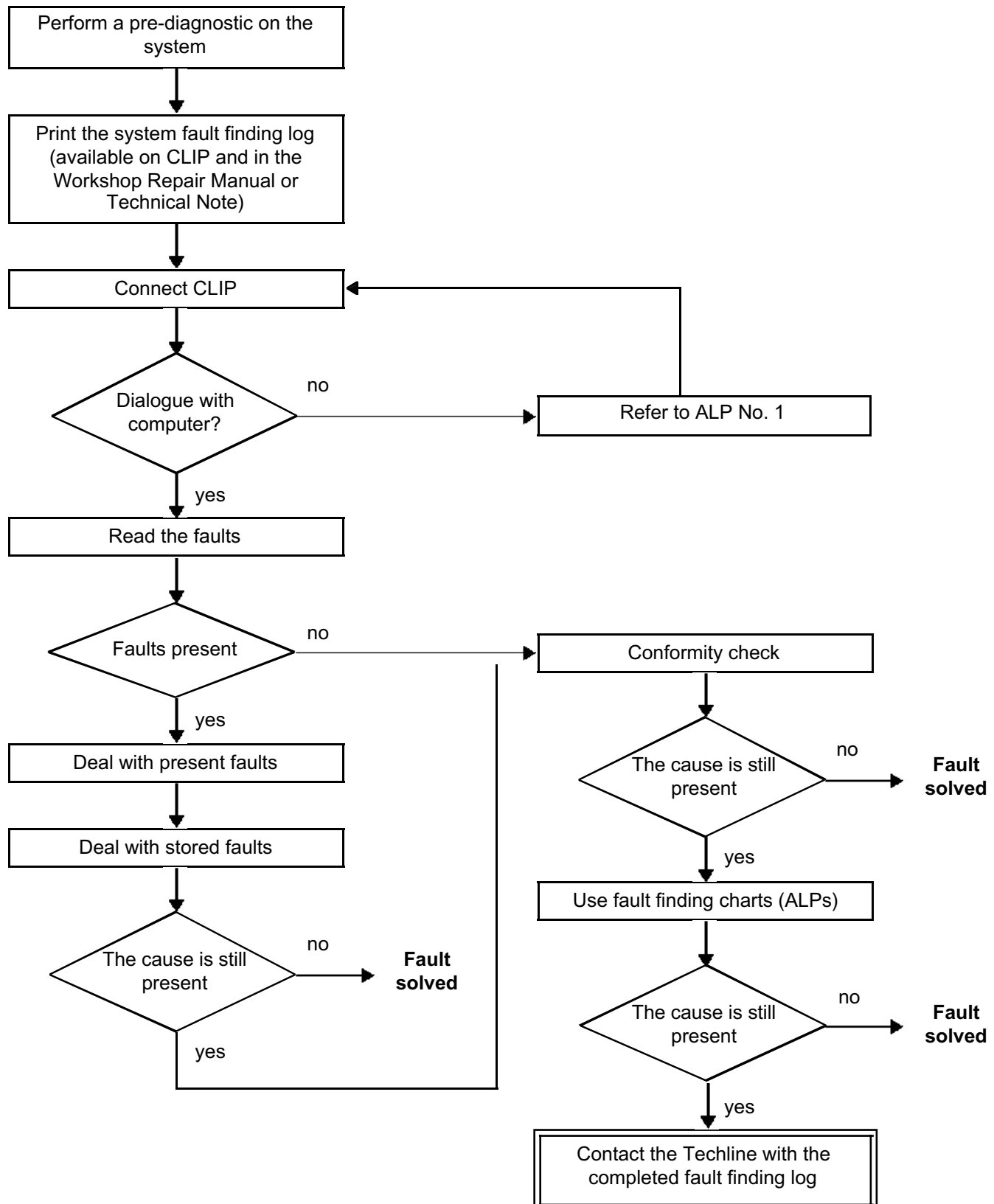
If a status is not behaving normally or a parameter is outside the permitted tolerance values, consult the corresponding fault finding page.

## Customer complaints - Fault finding chart

If the test with the diagnostic tool is OK but the customer complaint is still present, the fault should be processed by **customer complaints**.

**A summary of the overall procedure to follow is provided on the following page in the form of a flow chart.**

#### 4. FAULT FINDING PROCEDURE



#### **4. FAULT FINDING PROCEDURE (continued)**

##### **Wiring check**

##### **Fault finding problems**

Disconnecting the connectors and/or manipulating the wiring harness may temporarily remove the cause of a fault. Electrical measurements of voltage, resistance and insulation are generally correct, especially if the fault is not present when the analysis is made (stored fault).

##### **Visual inspection**

Look for damage under the bonnet and in the passenger compartment.  
Carefully check the fuses, insulators and wiring harness routing.  
Look for signs of oxidation.

##### **Physical inspection**

While manipulating the wiring harness, use the diagnostic tool to note any change in fault status from stored to present.  
Make sure that the connectors are properly locked.  
Apply light pressure to the connectors.  
Twist the wiring harness.  
If there is a change in status, try to locate the source of the fault.

##### **Inspection of each component**

Disconnect the connectors and check the appearance of the clips and tabs, as well as the crimping (no crimping on the insulating section).  
Make sure that the clips and tabs are properly locked in the sockets.  
Check that no clips or tabs have been dislodged during connection.  
Check the clip contact pressure using an appropriate model of tab.

##### **Continuity, insulation and resistance check**

Check the continuity of entire lines, then section by section.  
Look for a short circuit to earth, to + 12 V or with another wire.

If a fault is detected, repair or replace the wiring harness.

## 5. FAULT FINDING LOG



### IMPORTANT

#### IMPORTANT

Any fault on a complex system requires thorough fault finding with the appropriate tools. The FAULT FINDING LOG, which should be completed during the procedure, enables you to keep track of the procedure which is carried out. It is an essential document when consulting the manufacturer.

**IT IS THEREFORE ESSENTIAL THAT THE FAULT FINDING LOG IS FILLED OUT EVERY TIME IT IS REQUESTED BY TECHLINE OR THE WARRANTY RETURNS DEPARTMENT.**

You will always be asked for this log:

- when requesting technical assistance from Techline,
- for approval requests when replacing parts for which approval is mandatory,
- to be attached to monitored parts for which reimbursement is requested. The log is needed for warranty reimbursement, and enables better analysis of the parts removed.

## 6. SAFETY INSTRUCTIONS

Safety rules must be observed during any work on a component to prevent any damage or injury:

- check the battery voltage to avoid incorrect operation of computer functions,
- use the proper tools.

#### Procedure for disconnecting the battery:

- Switch off the ignition.
- Switch off all the electrical consumers. Wait at least **1 minute** for the electronic systems to switch off.

Disconnect the battery, starting with the negative terminal.

### **General operation:**

The UCH is involved in the following five functions (shared between several computers):

#### **1/ Access-safety function**

This function is divided into three sub-functions: **Access**, **Protection** and **Starting**.

#### **2/ Air-conditioning function**

This function is divided into three sub-functions, which are: **User selection**, **Heating** and **Cold loop** (see: **62A, Air conditioning**).

In this function, the UCH manages the triggering of the passenger compartment heating resistor control relays, as well as the heated rear screen and air conditioning indicator lights.

#### **3/ Wiping function**

This function is divided into two sub-functions, which are: **Wiper control** and **Wiper power**.

#### **4/ Lighting function**

This function is divided into two sub-functions, which are: **Lighting control** and **Lighting power**.

#### **5/ Tyre function**

This function is divided into three sub-functions which are: **Tyre reception**, **Tyre management** and **Tyre display**.

The **ACCESS/SAFETY** function is divided into three sub-functions: **Access, Protection and Starting**

The maximum number of Renault cards which can be programmed on the vehicle is **4**. There is no master Renault card.

## **1 ACCESS/SAFETY FUNCTION**

### **1.1 SUB-FUNCTION: ACCESS**

The **Megane II** allows:

- locking/unlocking by pressing the buttons on the Renault card (remote control function),
- locking/unlocking by pressing the central door locking button,
- locking via the Renault Anti-Intruder Device (RAID),
- automatic relocking.

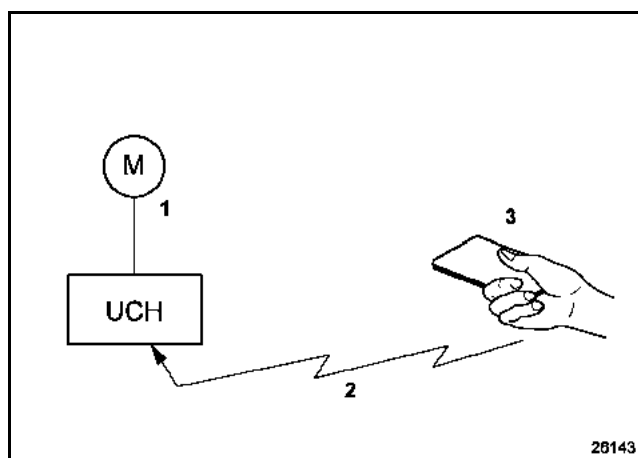
If the vehicle is fitted with the hands-free function:

- hands-free unlocking of the entire vehicle, by cutting the optical beam on one of the door handles,
- hands-free boot-only unlocking by pressing the boot opening switch,
- hands-free locking (by pressing the handle closure switch or the switch located in the boot badge).

If the vehicle is fitted with:

- electric child safety locking,
- deadlocking,
- selective opening element unlocking,
- the valet card function.

#### **1.1.1 procedure of locking/unlocking by pressing the buttons on the Renault card:**



- 1 Opening element locking motors
- 2 Encrypted **433 MHz** RF connection (**315 Mhz** in Japan)
- 3 Card button pressed



**a/ Main components of the function providing access through the pressing of a button on the Renault card:**

- Renault card,
- UCH,
- opening element locking motors.

**b/ Unlocking with the unlock button on the card:**

The vehicle may be unlocked by pressing the unlock button on the Renault card (open padlock symbol), if the card is less than **50 m** from the vehicle (this distance varies according to the environment and the battery power). The RF reception aerial is inside the UCH (except Scenic II fitted with the SSPP function).

Pressing the lock button on the Renault card starts the vehicle unlocking procedure. When the unlocking button is pressed, the card sends a **433 MHz** encrypted signal to the UCH (**315 MHz** in Japan). If the UCH authenticates the Renault card, the UCH requests the locking motors to unlock.

**Conditions required:**

- The Renault card button must be pressed within the area covered by the card (this distance varies according to the environment and the battery power).
- No + after ignition feed on the vehicle.

**Statuses available for the unlocking function:**

System operation may be viewed using statuses **ET045 RF frame received**, **ET066 Card button press received** and **ET067 Card button press recognised**.

The power supply level on the vehicle can be viewed using **ET014 Power supply level requested**.

**c/ Locking using the card's "lock" button:**

The vehicle may be locked by pressing the lock button on the Renault card (closed padlock symbol), if the card is less than **50 m** from the vehicle (this distance varies according to the environment and the battery power). The RF reception aerial is inside the UCH (except Scenic II fitted with the SSPP function).

Pressing the lock button on the Renault card starts the vehicle locking procedure. When the locking button is pressed, the card sends a **433 MHz** encrypted signal to the UCH (**315 MHz** in Japan). If the UCH authenticates the Renault card, the UCH requests the locking motors to lock.

**Conditions required:**

- The Renault card button must be pressed within the area covered by the card (this distance varies according to the environment and the battery power).
- No + after ignition feed on the vehicle.
- No doors open.
- No card in the card reader.

**Statuses available for the locking function:**

System operation may be viewed using statuses **ET045 RF frame received**, **ET066 Card button press received** and **ET067 Card button press recognised**.

The statuses of the doors detected by the UCH as open or closed are displayed using statuses **ET053 Driver's door**, **ET042 Passenger's door**, **ET051 Rear left-hand door**, **ET052 Rear right-hand door**, **ET050 Tailgate/boot** and **ET041 Opening rear screen** (if fitted to the vehicle).

The power supply level on the vehicle can be viewed using **ET014 Power supply level requested**.

**d/ Boot-only locking/unlocking by pressing the "toggle boot status" button:**

The boot alone may be locked/unlocked by pressing the "toggle boot status" button on the Renault card ("open tailgate" symbol), if the card is less than **50 m** from the vehicle (this distance varies according to the environment and the battery power). The RF reception aerial is inside the UCH (except Scenic II fitted with the SSPP function).

Pressing the toggle boot status button on the Renault card starts the boot-only locking/unlocking procedure. When the toggle boot status button is pressed, the card sends a **433 MHz** encrypted signal to the UCH (**315 MHz** in Japan). If the UCH authenticates the Renault card, it will authorise or inhibit opening of the boot depending on the previous status (locked or unlocked).

**Conditions required:**

- The Renault card button must be pressed within the area covered by the card's radio frequency signal (this distance varies according to the environment and the battery power).
- No **+ after ignition feed** on the vehicle.
- No card in the card reader.

**The statuses available for the boot-only unlocking/locking function (and for the opening rear screen if fitted) are:**

System operation may be viewed using statuses **ET045 RF frame received**, **ET066 Card button press received** and **ET067 Card button press recognised**.

The open or closed status of the boot as seen by the UCH can be checked using status **ET050 Tailgate/boot**.

The status of the tailgate opening request is visible using status **ET062 Tailgate opening request**.

The open or closed status of the opening rear screen (if fitted) as seen by the UCH can be checked using status **ET041 Opening rear screen**.

The status of the request to open the rear screen (if fitted) can be checked using status **ET062 Rear screen opening request**.

The power supply level on the vehicle can be viewed using **ET014 Power supply level requested**.

**e/ Principle of the identifier code:**

The Renault card is authenticated by the UCH by transmission of a "rolling code" for the access function. The code transmitted automatically increases incrementally each time the card is pressed.

To allow for the case where the signal is not received by the UCH, a table of 1024 accepted codes has been created. The UCH and the Renault card can become desynchronised if the limit of 1024 possible presses is exceeded, that is the customer has pressed more than 1024 times outside the reception zone.

If the Renault card does become desynchronised (code transmitted by the Renault card is outside the acceptance limit of the UCH), the user can access his vehicle using the emergency insert. Resynchronisation is performed when the vehicle is started with the card in the card-reader, or by removing/replacing the card battery.

**f/ Display:**

Unlocking is indicated by 1 flash of the direction indicators.

Locking is indicated by 2 flashes of the direction indicators.

When using the "boot status toggle" switch, display is not performed if a toggle request is made when the vehicle is completely unlocked. In fact, in this case, the vehicle is not locked as only the boot is locked.

If one of the opening elements is detected as open when the request for locking the vehicle is made, the UCH will not authorise vehicle locking and no indicators will flash to warn the user.

**1.1.2 procedure of locking/unlocking by pressing the central door locking button:**

This button is used to lock/unlock the vehicle while stationary or moving.

This button has no effect if the vehicle has been locked using the card in hands-free or manual mode.

Pressing the electric central door locking button when a door is unlocked will lock all the doors and the electric central door locking indicator light will light up. Status **ET044 CPE\* button** may be used to check that the button is operating correctly.

The operation of the electric central door locking indicator light can be checked using command mode **AC020 CPE\* button indicator light**.

**1.1.3 Principle of automatic locking when driving (RAID\* system):**

The Automatic Locking when Driving (RAID) function locks the vehicle as soon as the speed signal is above approximately **4 mph (7 km/h)**.

Activation or deactivation of the RAID function can be viewed using **ET043 RAID\* function authorisation by CPE\***.

The RAID function can be activated or deactivated by pressing and holding the electric door locking button for approximately **5 seconds** while the engine is running. Acknowledgement is indicated by a buzzer.

**Note:**

Unlocking can be performed by the UCH if the airbag computer has detected an impact or if it is faulty (not recognised on the multiplex network, internal fault, etc.). (see **88B, Multiplexing**).

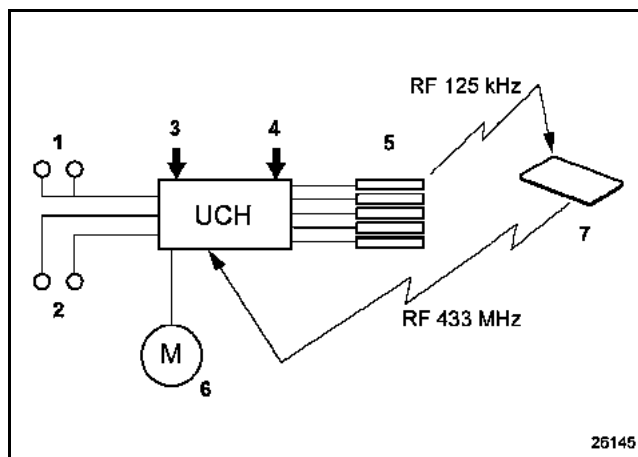
**1.1.4 Principle of automatic relocking:**

Automatic relocking takes place **2 minutes** after hands-free or card unlocking if unlocking is not followed by the opening of a door.

**CPE\***: Electric central door locking

**RAID\***: Renault Anti-Intruder Device

### 1.1.5 Principle of hands-free locking/unlocking:



- 1 Passenger side optical sensors.
- 2 Driver side optical sensors.
- 3 Door handle and boot locking switches.
- 4 Boot/rear screen opening switch.
- 5 Access aeralia.
- 6 Opening element locking motors.
- 7 Renault card.

#### a/ Main components of the hands-free function:

- Renault card,
- UCH,
- optical presence sensors located in the door handles,
- access aeralia integrated in the door handles and the tailgate, \*
- the locking switches incorporated in the door handles,
- opening element locking motors.

#### b/ Hands-free unlocking:

When a hand is detected inside a handle (interruption of one of the optical beams) or a press on the boot opening switch is detected, the UCH sends a **125 kHz** signal to the access aeralia and interrogates the access zone (driver-side aerial interrogated first). If the Renault card is in the access zone, it responds to the UCH at **433 MHz**. If the UCH authenticates the Renault card, it requests unlocking of the opening elements or boot-only locking motors.

#### Hands-free unlocking of the entire vehicle by stage:

- 1 The user places his/her hand around one of the door handles and the optical sensor detects a presence.
- 2 If the Renault card is not disabled in hands-free, the UCH sends a **125 kHz** encrypted signal over the access aeralia (initial interrogation is of the aeralia on the side of the handle activated).
- 3 If the Renault card recognises the code, it responds to the UCH using a **433 MHz** encrypted signal.
- 4 The UCH confirms that the Renault card code is correct and activates the locking motors.

\* (3 or 5 access aeralia depending on the number of doors and the fabrication date of the vehicle)

**Conditions required:**

- Interruption of one of the optical beams in one of the handles or pressing the boot or rear screen opening switch.
- A vehicle card detected by the access aerials.
- No **+ after ignition feed** on the vehicle.
- The card must not be hands-free disabled (a Renault card is disabled for hands-free starting and access if it was present in the vehicle when it was locked; the card is no longer disabled if it is detected by any aerial during unlocking).

**Statuses available for the unlocking function:**

The UCH receives the unlocking request when an optical beam is cut on one of the handles. The sensors' power supply can be displayed using the **ET054 Optical sensors supplied** status.

Operation of the sensors can be viewed using statuses **ET055 Driver's side front optical sensor**, **ET056 Driver's side rear optical sensor**, **ET057 Passenger side front/rear optical sensors** and boot switch status **ET060 Tailgate locking button**. The status of the tailgate opening request is visible using status **ET061 Tailgate opening request**. The status of the request to open the rear screen can be checked using status **ET062 Rear screen opening request**.

The power supply level on the vehicle can be viewed using **ET014 Power supply level requested**.

The **AC037 Transmitting aerials fault finding** command interrogates the aerials for an update of potential faults. Commands **AC032 Test driver's side external aerials**, **AC033 Test passenger side external aerials** and **AC034 Test boot external aerials** are used to check each zone separately. When the card is in the interrogated zone, the card reader flashes. The interrogation lasts **1 minute**.

These commands are used to check the hands-free access zones around the vehicle and will operate even if the hands-free card does not belong to the vehicle.

**c/ Hands-free unlocking of the boot only:**

When a press on the boot opening switch is detected, the UCH receives the signal requesting opening (**ET061 Tailgate opening request**). The UCH sends a **125 kHz** signal to the access aerials.

If the Renault card is in the access zone (initial interrogation on the boot side, then interrogation of both sides of the vehicle), it responds to the UCH at **433 MHz**.

If the UCH authenticates the card, the UCH orders unlocking of the boot only.

**d) Hands-free locking:**

When a press on a door handle closing switch is detected, the UCH sends a **125 kHz** signal to the access aerials. If the Renault card is in the access zone, it responds to the UCH at **433 MHz**. If the UCH authenticates the card (and if the UCH cannot be detected in the hands-free starting zone), the UCH requests the locking motors to lock.

If, however, there is another card in the vehicle, locking will be possible, but the card left in the vehicle will temporarily lose its hands-free access and hands-free starting functions until the next unlocking operation (inhibition).

**Hands-free locking of the entire vehicle by stage:**

- 1) The user presses one of the locking switches on the door handle or tailgate (located in the badge).
- 2) If the Renault card is not disabled for hands-free operation, the UCH sends a **125 kHz** encrypted signal to the access aerials (interrogation of the aerials on the side of the activated handle is performed first), and to the starting aerials.
- 3) If the Renault card authenticates the code, it responds to the UCH using a **433 MHz** encrypted signal.
- 4) If the UCH detects at least one Renault card in the access zone and this is authenticated (at least one Renault card detected by the external aerials and not detected by the starting aerials; this is necessary to avoid the vehicle being locked with the card inside), the UCH activates the locking motors.
- 5) If the UCH detects other cards inside the vehicle, it disables these cards for hands-free functions (access and starting) until the next time the vehicle is unlocked.

**Conditions required:**

- At least one vehicle card detected by the access aerials and not detected by the starting aerials.
- No doors open.
- No Renault card in the card reader.
- No **+ after ignition feed** on the vehicle.
- The card must not be hands-free disabled (a Renault card is disabled for hands-free starting and access if it was present in the vehicle when it was locked; the card is no longer disabled if it is detected by any aerial during unlocking).

**Statuses available for the locking function:**

The UCH receives the locking request in the form of an earth, when one of the locking buttons on the door handles or in the centre of the boot badge is pressed.

The locking requests can be viewed using statuses **ET058 Driver's side handle locking switch**, **ET059 Passenger's side handle locking switch** and **ET060 Tailgate locking switch**. The statuses of the doors detected by the UCH as open or closed are displayed using statuses **ET053 Driver's door**, **ET042 Passenger's door**, **ET051 Rear left-hand door**, **ET052 Rear right-hand door**, **ET050 Tailgate/boot** and **ET041 Opening rear screen** (if fitted to the vehicle).

The power supply level on the vehicle can be viewed using **ET014 Power supply level requested**.

The **AC037 Transmitting aerials fault finding** command interrogates the aerials for an update of potential faults. Commands **AC032 Test driver's side external aerials**, **AC033 Test passenger side external aerials** and **AC034 Test boot external aerials** are used to check each zone separately. When the card is in the interrogated zone, the card reader flashes. The interrogation lasts **1 minute**.

These commands are used to check the hands-free access zones around the vehicle and will operate even if the hands-free card does not belong to the vehicle.

**e/ Display**

Unlocking is indicated by 1 flash of the direction indicators.

Locking is indicated by 2 flashes of the direction indicators.

### 1.1.6 Principle of Electric Childproof Locking:

The UCH controls the rear door locks to prevent them from being opened by means of the interior door handles and inhibits operation of the rear electric window switches.

The switch statuses and the activation of electric childproof locks can be viewed using the following statuses:

- **ET233 Child safety lock switch,**
- **ET159 Rear left-hand door child safety lock,**
- **ET160 Rear right-hand door child safety lock.**

The configuration Child safety lock can be read using configuration **LC035 Child safety lock** and modified (see **Configurations and programming**) using the specific command **SC016 Child safety lock (Vdiag 4C, 4D, 4F and 50)**.

Fault finding can be performed on the child safety lock switch indicator light using command **AC076 Child safety lock indicator light**.

### 1.1.7 Principle of Deadlocking:

The UCH controls the door locks to prevent unlocking via the interior handles. This function is activated by pressing and holding (+ **2 seconds**) the Renault card's locking button or by pressing the door locking button twice.

The direction indicators flash rapidly three times for **deadlocking** (in addition to the two flashes for locking).

For this function to operate, the vehicle must have deadlocking (2 motors) and configuration **LC003 Deadlocking** must be **WITH** (see **Configurations and programming**). Deadlocking is configured using **CF009 Deadlocking**. The source of the last deadlocking activation/deactivation can be viewed using statuses **ET088 Deadlocking activation source** and **ET090 Deadlocking deactivation source**.

It is impossible to deadlock the vehicle if the + accessories feed is active, if the lights are switched on or if the hazard warning lights are activated.

### 1.1.8 The valet card function, specific to certain countries (e.g. Mexico):

This function controls the **valet card** option which enables vehicles fitted with it to separately control unlocking of the driver's door, the boot, or the passenger doors and the glovebox.

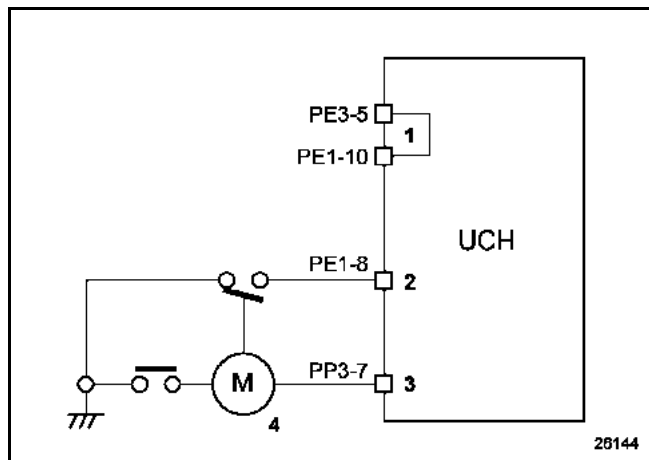
When the vehicle is electrically pre-equipped with the valet option and this option has been configured, the cards can be used in two different customer modes. The "master" cards can unlock all the opening elements, but the "valet" cards cannot unlock the glovebox, the boot and the passenger opening elements. They can only start the vehicle, lock the whole vehicle, and unlock the driver's door. The function is configured with **CF085 Valet card function** using the **specific command SC008 UCH type**. To access **CF085**, configure **CF036 Selective opening element opening to WITH**.

To check that this function has been configured correctly, use **LC016 Card valet function**.

### 1.1.9 Special features of the tailgate wiring:

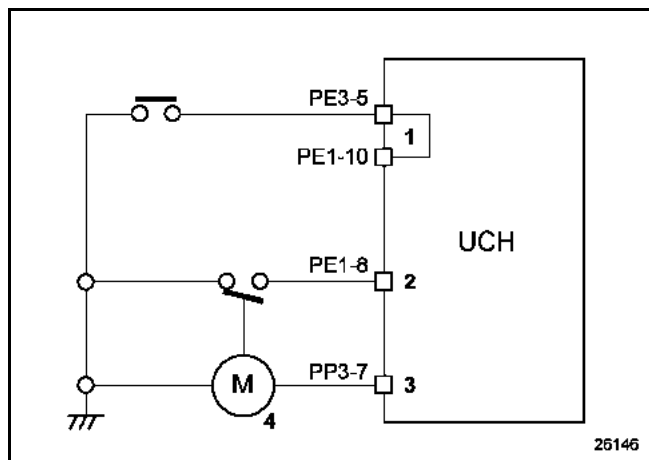
The tailgate opening control is wired differently depending on the type of vehicle:

#### – Phase 1 bodywork without hands-free function:



- 1 Tailgate opening request reading
- 2 Open tailgate status reading
- 3 Motor control
- 4 Tailgate motor

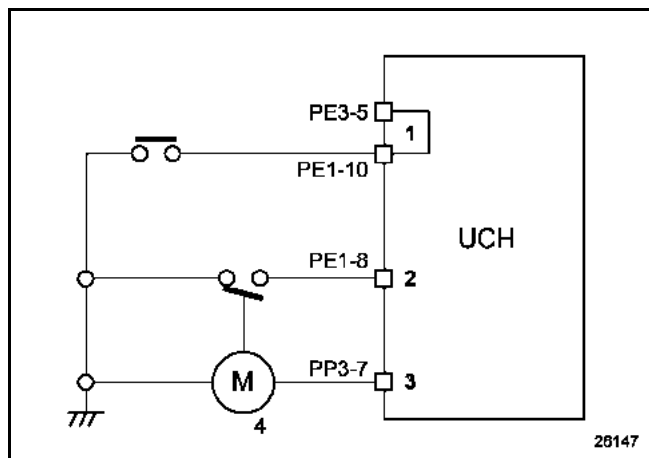
#### – Phase 1 mechanical with hands-free function: on vehicles manufactured **before** 17/01/2005 for type BCEJRK and before 10/01/2005 for type L.



- 1 Tailgate opening request reading
- 2 Open tailgate status reading
- 3 Motor control
- 4 Tailgate motor

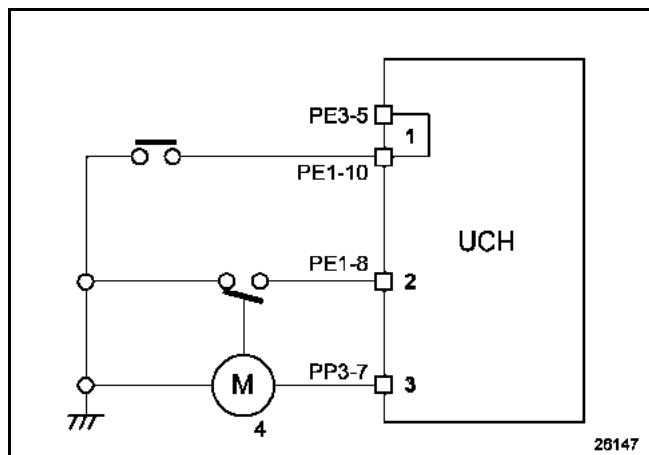


- **Phase 2 mechanical with hands-free function:** on vehicle manufactured **after** 10/01/2005 for type BCEJRK and after 17/01/2005 for type L.



- 1 Tailgate opening request reading
- 2 Open tailgate status reading
- 3 Motor control
- 4 Tailgate motor

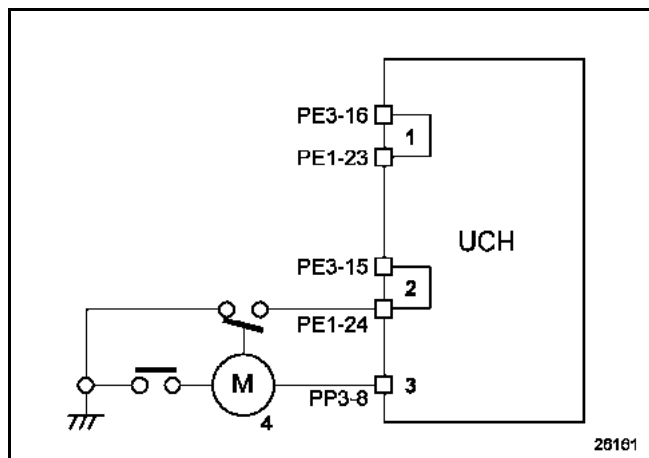
- **Phase 2 bodywork:**



- 1 Tailgate opening request reading
- 2 Open tailgate status reading
- 3 Motor control
- 4 Tailgate motor

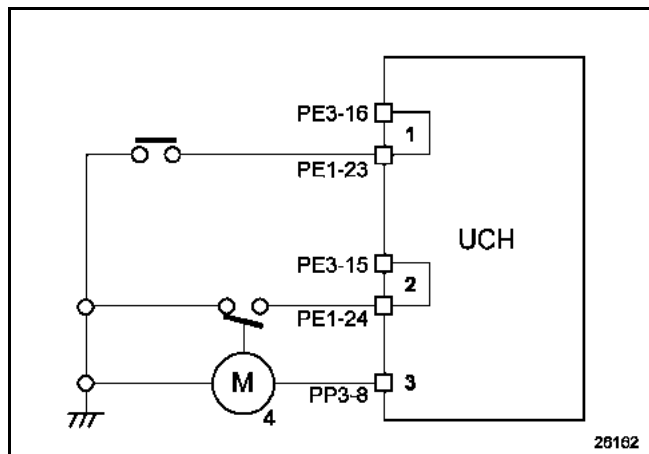


- **Phase 2 mechanical without hands-free function:** on vehicles manufactured **after** 10/01/2005 for type BCEJRK and after 17/01/2005 for type L, except phase 2 bodywork.



- 1 Ros\* open request reading
- 2 Ros\* open status reading
- 3 Motor control
- 4 Ros\* motor

- **Phase 2 mechanical with hands-free function or Phase 2 bodywork:** on vehicles manufactured **after** 10/01/2005 for type BCEJRK and after 17/01/2005 for type L and vehicle with phase 2 bodywork.



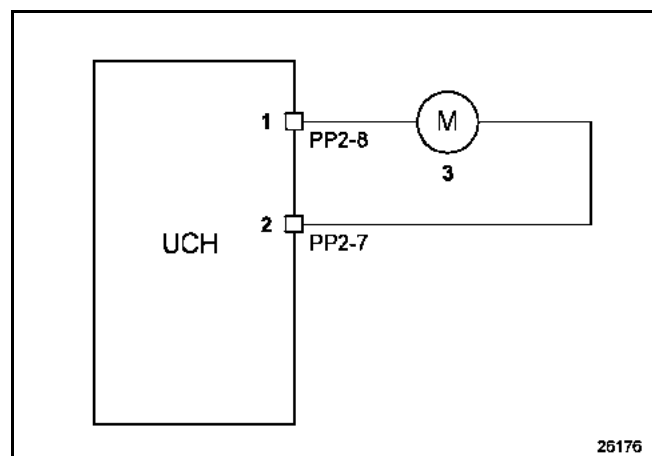
- 1 Ros\* open request reading
- 2 Ros\* open status reading
- 3 Motor control
- 4 Ros\* motor

Ros\*: Rear opening screen

### 1.1.11 Special features of vehicle wiring (Mexico):

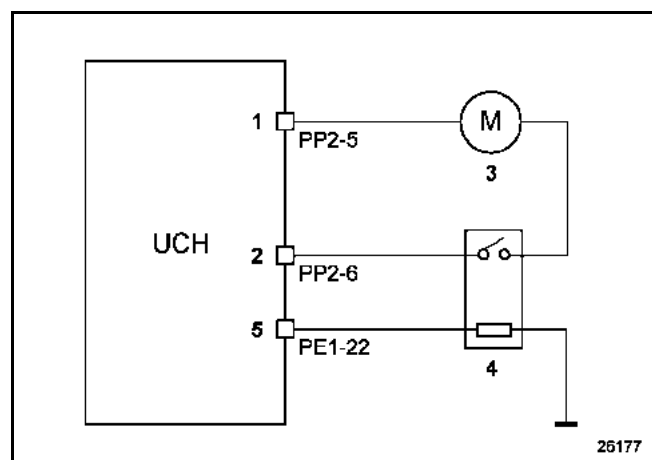
The glovebox locking/unlocking control is wired differently depending on the type of vehicle:

– **Vehicle manufactured before 11/07/2005 for BCELJRK type:**



- 1 Passenger door, rear doors and boot opening control
- 2 Passenger door, rear doors and boot closing control
- 3 Glovebox motor

– **Vehicle manufactured after 11/07/2005 for BCELJRK type:**



- 1 Driver's door and fuel filler flap closing control
- 2 Driver's door and fuel filler flap opening control
- 3 Glovebox motor
- 4 Glovebox locking control relay
- 5 Glovebox locking control

#### **1.1.12 Special feature of the rear access aerial wiring on 5-door vehicles:**

There are 2 types of fitting for the rear access aerials depending on the fabrication date of the vehicle:

**- Vehicles manufactured before January 2007:**

An identical access aerial in each door handle.

**- Vehicles manufactured after January 2007:**

- No access aerial in the rear door handles.
- Access aerials in the front door handles identical to 3-door vehicles.

The vehicle configuration can be identified by reading configuration **LC122 REAR ACCESS AERIALS** and can be configured using configuration **CF224 REAR ACCESS AERIAL**.

### 1.1.13 Principle of automatic window relift:

When the doors are locked, and the lock button on the card is pressed twice in succession (or the door or boot if the vehicle is fitted with hands-free function), the windows close automatically (as well as the sunroof, if fitted to the vehicle).

The function is available on certain vehicles (see table below) depending on the number of one touch windows on the vehicle and depending on the bodywork phases.

| If   |                     |                        | Then                                 |
|--|---------------------|------------------------|--------------------------------------|
| Vehicle type                                     | One-touch window(s) | Production number type | Function of automatic window relift: |
| All except cabriolet phase 1 and 2 bodywork      | WITHOUT             |                        | WITHOUT                              |
| 4-door phase 1 bodywork                          | 1 driver OTW        | Jxxxxxx                | WITHOUT                              |
| 4-door phase 1 bodywork                          | 1 driver OTW        | OTHERS                 | WITH                                 |
| All except cabriolet and 4-door phase 1 bodywork | 1 driver OTW        |                        | WITH                                 |
| All except cabriolet phase 2 bodywork            | 1 driver OTW        |                        | WITHOUT                              |
| All except cabriolet phase 1 and 2 bodywork      | 2 or 4 OTW          |                        | WITH                                 |
| Cabriolet phase 1 and 2 bodywork                 | WITHOUT             |                        | WITHOUT                              |

The automatic window relift function cannot be configured separately; it is automatically configured during special command **SC008 UCH type** according to the vehicle type, number of one-touch windows and the production number type.

### 1.1.14 Principle of new vehicle storage mode:

The vehicle is configured in this mode when it leaves the factory to optimise its power consumption:

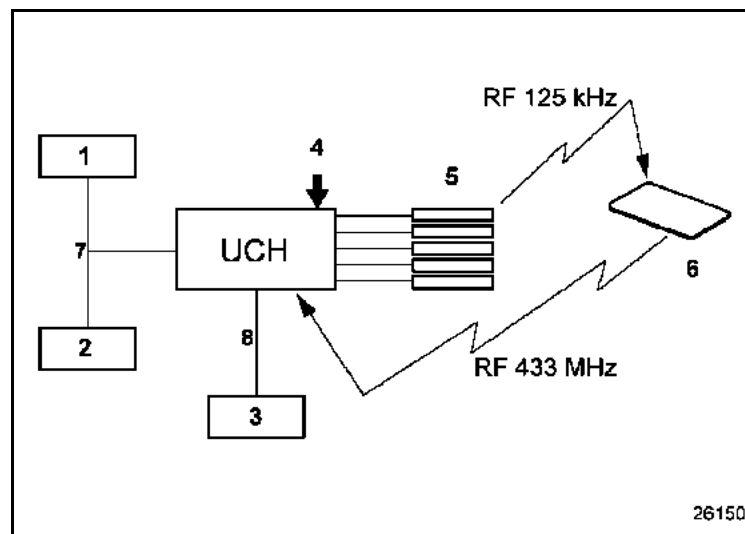
- The immobiliser warning light is inhibited.
- The direction indicator warning lights are lit continuously on the instrument panel.

Before delivering the vehicle to the customer, deactivate this mode:

- By flipping down the steering column controls with the after ignition feed off.
- Or using command **VP016 Deactivate new vehicle storage mode**.

This function can only be activated in the factory with UCH Vdiag 4F or 50.

## 1.2 SUB-FUNCTION: PROTECTION



- 1 Steering column lock
- 2 Injection computer
- 3 Card reader
- 4 Start button
- 5 Starter aerials
- 6 Renault Card
- 7 Multiplex network
- 8 Wire connection

The UCH shares control of the vehicle's immobiliser protection system with other computers.

De-protection of the vehicle is performed in three consecutive stages:

- a) Authentication of the card (hands-free or card reader).
- Unlocking of the steering column lock (to allow after ignition feed to be established).
- Unlocking the injection computer.

### 1.2.1 Authentication of the Renault card:

Authentication is performed differently depending on whether the vehicle is fitted with the hands-free option or not.

#### a) Authentication of the Renault card when the vehicle is fitted with the hands-free option:

When the user presses the start button, the UCH activates its starting aerials and authenticates a card in the following way:

**1/** The UCH activates its three starting aerials which generate a **125 kHz** radio frequency signal. This signal is sent to the Renault card.

**2/** If the Renault card is located in the zone covered by the starting aerials and recognises its UCH, it responds directly to the UCH with a **433 MHz** signal giving its identifier.

3) The UCH decrypts the response and compares it with that stored in its memory. If the result is correct, it continues the starting procedure. The aerials stop transmitting once the card is authenticated.

If no Renault card responds in hands-free mode, the UCH interrogates the card reader. If the Renault card is in the card reader, authentication is via transponder.

The card reader must be used to start in hands-free mode in the following situations:

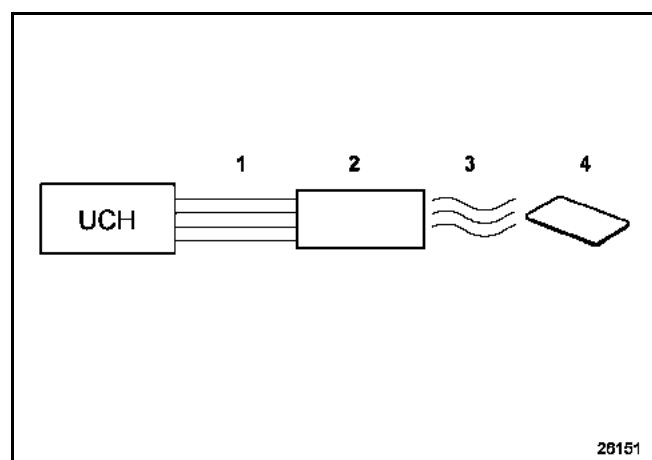
- flat card battery,
- vehicle in an area of frequency interference,
- boot open (indication on instrument panel).

**The statuses and commands available on the card authentication function:**

- ET035 Radio frequency signal received.
- ET070 Start button.
- ET046 Immobiliser.
- ET014 Power supply level requested.
- AC036 Internal aerial testing.

**b) Authentication of the Renault card when the vehicle is not fitted with the hands-free option:**

When the user presses the start button, the UCH authenticates the card in the card reader using the transponder mode (short-range data exchange at 125 KHz). **The transponder mode does not require a battery in the card.**



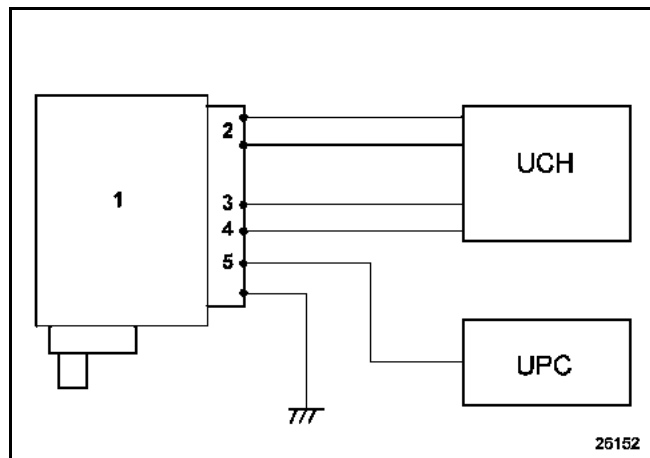
- 1 Wire connection
- 2 Card reader
- 3 Short range TRANSPONDER connection
- 4 Renault Card

**The statuses and commands available on the card authentication function:**

- ET070 Start button
- ET046 Immobiliser
- ET014 Power supply level requested



### 1.2.2 Unlocking/locking the steering column:



- 1 Steering column lock
- 2 multiplex line
- 3 Supply
- 4 Sensor Line
- 5 Safety line

#### a/ Unlocking the steering column lock

Following authentication of the Renault card:

1/ The UCH sends a code to the electric steering column lock with an unlocking request via the multiplex network (**ET119 UCH request to steering column lock**).

2/ If the electric steering column lock recognises the code, it unlocks and sends its unlocked status to the UCH (**ET073 Steering column lock sensor signal**).

3/ When the UCH receives the "Steering column unlocking completed" signal, it orders the Protection and Switching Unit to activate the **+ after ignition** relay and the procedure continues.

The physical status of the column lock can be displayed by status **ET072 Steering column lock** and its programming can be displayed by status **ET071 Steering column lock blank**.

Note:

**After ignition feed can only be established if the steering column unlocking procedure is performed correctly.**

#### The steering column lock remains locked if:

- There is excessive mechanical load on the steering column (e.g.: wheel jammed against a kerb),
- the battery voltage is too low,
- the power demanded by the column lock is too high (thermal protection of the column lock electric motor).

#### **b/ Locking the steering column:**

The steering column is locked with the engine off, after the Renault card is removed from the card reader. This locking operation requires:

- a valid **0 mph (0 km/h)** speed signal,
- a correctly functioning airbag and no impact detected,
- a deactivated **+ after ignition** connection.

When the engine has not been started but the after ignition feed is active (e.g. forced **after ignition feed**), certain conditions in which there is a drop in the **after ignition feed** do not cause the steering column to lock ("steering column not locked" message).

#### **Steering column lock fails if:**

1/ Normal non-locking scenarios:

- the card is present in the card reader,
- more than **20 minutes** has elapsed with the card in the reader and the engine off,
- the vehicle speed is not zero,
- power is demanded by the steering column lock too frequently.

With regard to vehicles fitted with UCH computer Vdiag 4F or above:

- the Renault card is removed from the card reader when the vehicle is in forced **+ after ignition feed**,
- **3 minutes** have elapsed following a starting failure due to an engaged gear,
- the Renault card is removed from the card reader following a starting failure due to an engaged gear,
- a front door is open following a starting failure due to an engaged gear and the card is not in the reader.

To lock the steering column, start and stop the engine again.

2/ Abnormal non-locking scenarios:

- the airbag unit is faulty or locked,
- the airbag unit is disconnected,
- the airbag has been triggered,
- the speed signal is not available.

In the event that a steering column does not lock, the driver is informed via the message Steering column not locked.

#### **1.2.3 Locking the injection computer:**

When the **+ after ignition feed** has been established, the UCH and the injection computer compare their codes via the multiplex network. If the codes are identical, the vehicle immobiliser is deactivated (**ET046 Immobiliser**). If there is a failure, the immobiliser remains active.

Reactivating protection: the immobiliser is reactivated when the engine stops.

1.2.4 Renault card check by the UCH:

a/ Card check:

When the engine is running, the UCH checks for the presence of the Renault card in the passenger compartment (if vehicle is hands-free) or in the card-reader when a door is opened then closed. If the Renault card is not detected, a message on the instrument panel and a buzzer warn the driver.

Command **AC036 Internal aerial test** is used to check the area covered by the starting aerials inside the passenger compartment (hands-free vehicles). The card reader flashes when the card is detected. This command allows a hands-free card to be recognised even if it does not belong to the vehicle.

b/ Low battery warning:

If the Renault card battery is faulty or flat, the change card battery message is displayed on the instrument panel when the vehicle is started, if there have been 5 attempts to authenticate the Renault card since the battery fault.

c/ Storing information on the card:

A device allowing information relating to the vehicle to be read from the card is available.

- Information available:
- VIN (Vehicle Identification Number).
  - Mileage.
  - Fuel level.
  - Mileage before oil change.
  - Tyre pressure (if vehicle fitted with SSPP).
  - Status of OBD warning light.
  - Oil level.

2.5 Immobiliser warning light programs

|              | Immobiliser warning light      | Vehicle protection status  |
|--------------|--------------------------------|--|
| Ignition off | Warning light flashes slowly   | Vehicle protected (immobiliser active or fault with steering lock) |
|              | Warning light not lit          | New vehicle or blank UCH storage mode                              |
| Ignition on  | Warning light flashes slowly   | Renault card not recognised  |
|              | Warning light continuously lit | Injection authentication fault                                     |
|              | Warning light not lit          | Vehicle unprotected (immobiliser inactive)                         |

### 1.3 SUB-FUNCTION: STARTING

The UCH manages the control section of the starting sub-function. For this function to operate normally, the protection function must proceed correctly (immobiliser inactive **ET046 Immobiliser**).

In order to control the starter motor, the UCH requires the following status and parameter information to check that the starting conditions have been met:

- Start button **ET070 Start button**.
- Clutch pedal position **ET048 Clutch pedal position**.
- Brake pedal position **ET047 Brake pedal position**.
- Automatic gearbox selector lever position **ET108 Automatic gearbox selector lever position**.
- Position of the manual gearbox selector lever (see **87G, Engine compartment connection unit, Conformity check**).

If the starting conditions are met, the request for the Protection and Switching Unit to activate the starter motor can be viewed using status **ET110 UCH request to injection or Protection and Switching Unit**.

### 1.4 Main COMPONENTS of the ACCESS/SAFETY function

#### 1.4.1 Main components of the ACCESS sub-function:

- Renault card,
- UCH,
- optical presence sensors located in the door handles,
- access aerials integrated in the door handles and the tailgate,
- the locking switches incorporated in the door handles,
- the boot-only opening/locking switch built into the boot badge,
- opening element locking motors.

##### 1.4.1.1 The Renault card:

The Renault card has three buttons which allow:

- locking of the vehicle,
- unlocking of the vehicle,
- the boot to be locked/unlocked.

The Renault hands-free card allows hands-free operation if it is located in the access and starting zones.

The Renault card is powered by a **3 V** battery. This battery is required for operation in hands-free mode or remote control mode (card button presses).

If the battery is old or in an area of frequency interference, the emergency insert located in the Renault card allows the driver's door to be unlocked.

#### 1.4.1.2 The UCH:

- a) **In hands-free mode, the UCH receives the unlocking request through the optical sensors, and the locking request through the locking switches.**

- b) **The UCH manages the exchanges with the Renault card.**

**In hands-free mode:**

The UCH interrogates and authenticates the Renault card via the access aerials located in the door handles and the tailgate, at a frequency of **125 KHz**.

After authentication from the UCH, the Renault card responds directly to it at 433 MHz.

**Outside hands-free mode:**

The UCH receives the access requests coming from card presses at **433 MHz (315 MHz in Japan)**.

The **433 MHz** reception aerial is incorporated in the UCH (except Scénic II fitted with the SSPP function).

The signals are encrypted.

- c) **The UCH activates the locking motors.**

If the exchanges between the Renault card and the UCH are correct, the UCH activates the locking motors.

#### 1.4.1.3 The optical presence sensors built into the door handles (hands-free vehicles):

The optical presence sensors inform the UCH of the hands-free unlocking request for the entire vehicle when the infrared beam is cut in one of the handles (by a hand).

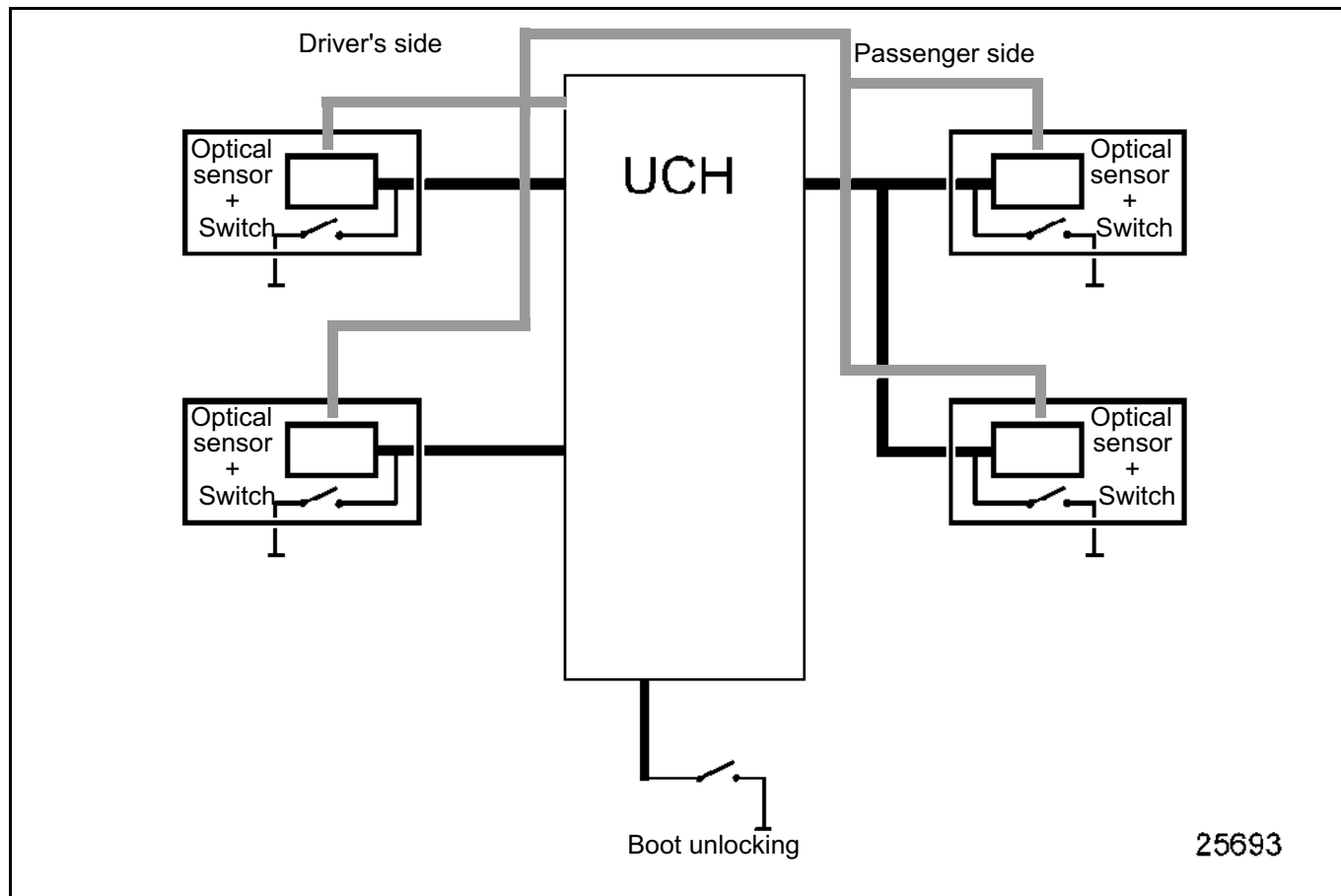
This presence detection starts the hands-free access procedure.

To limit battery use, the optical sensors are powered at **12 V** only for **72 hours** after the last change of vehicle locked-unlocked status. After this period, the handle must be pulled to operate a switch\* which "wakes up" the UCH to resupply the optical sensors. In this case, pull the handle a second time to open the door once the card has been authenticated.

The switch signal\* is parallel to the optical sensor signal: activation of the optical sensor or the switch\* earths the signal going to the UCH. Although it is a switch\*, the signal is not constant when pulling and holding the handle.

switch\*: Switch.

The handle groups are shown in the diagram below:



**Communal sensor supply**

**Note:**

The tailgate is not fitted with an infrared optical sensor. The boot and rear screen opening switches notify the UCH of a request to open the boot or rear screen.

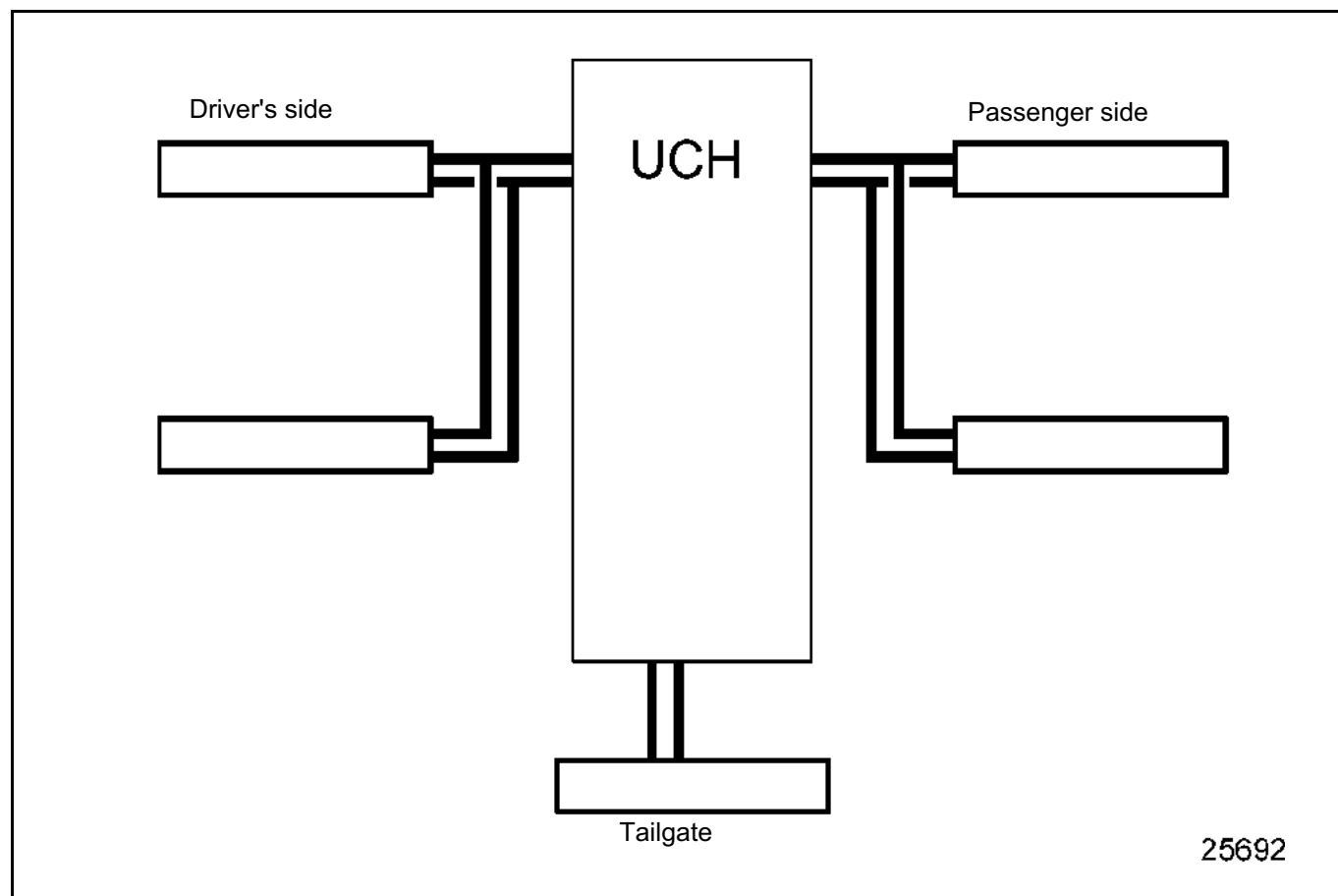
#### 1.4.1.4 The access aerials built into the door handles and tailgate (hands-free vehicles):

The access aerials are built into the door handles and the tailgate. Only the boot aerial is removable.

The UCH activates these aerials in the following order:

- the side on which the handle has been pulled,
- if the card has not been detected, the UCH activates the aerials on the opposite side,
- if the card is still not detected, the UCH interrogates the rear aerial.

The access aerial groups are shown in the diagram below:



**Note:**

5-door versions manufactured before January 2007 and 3-door versions differ in that they have different handle access aerials.

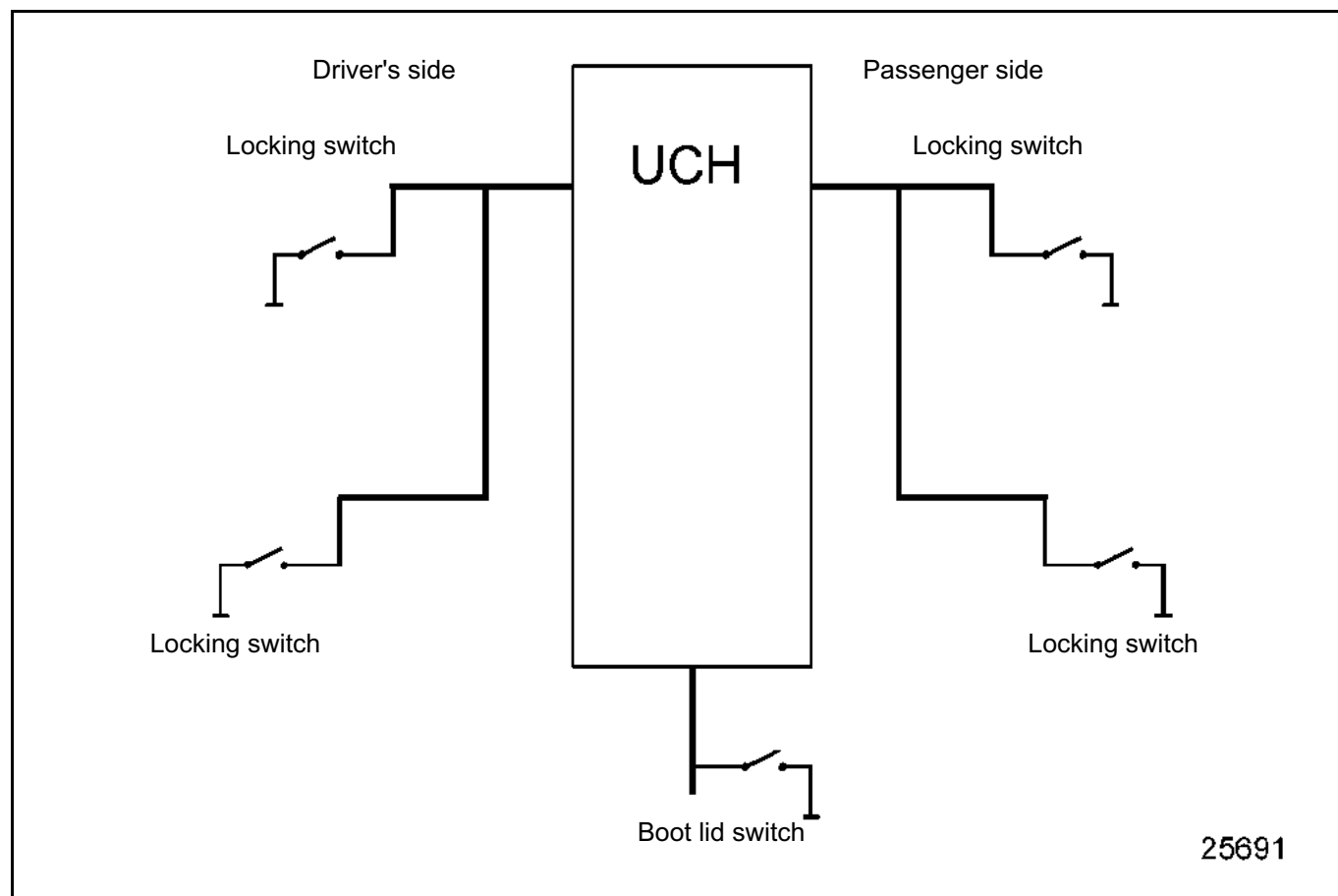
**Note:**

5-door versions manufactured after January 2007 have no access aerials in the rear door handles and have access aerials in the front door handles identical to those in 3-door versions.

**1.4.1.5 The locking switches built into the door handles and the tailgate badge (hands-free vehicles):**

These switches are used to lock the opening elements. They are not removable, except for the tailgate switch which is separate from the badge. When a switch is pressed, a UCH track is connected to earth, informing it of a vehicle locking request. The access aerals are then activated.

The grouping of these switches is shown in the diagram below:





#### **1.4.1.6 The door locking motors:**

These are direct current motors (**12 V** supply). The door locking motors are controlled by the UCH.

The deadlocking function requires a second motor per door.

#### **1.4.2 Main components of the PROTECTION sub-function:**

The protection sub-function is based on 4 main coded components:

- The Renault cards.
- The UCH.
- The electric steering column lock.
- The injection computer.

These parts are coded definitively: a part coded for one vehicle may not be used on another vehicle.

It is possible to replace a coded part with an uncoded part using special procedures in the CLIP tool and the vehicle repair code (**See Configuration and programming**).

##### **1.4.2.1 The Renault card:**

The Renault card enables the vehicle to be started in two modes:

- starting by inserting the card into the reader:
- hands-free starting without insertion of the card into the card reader (hands-free vehicles).

The Renault card is powered by a **3 V** battery. This battery is necessary to operate in standard and hands-free mode.

If the battery is too old, or if the vehicle is in an area of frequency interference, hands-free starting is not possible, but always possible by inserting the Renault card into the reader.

##### **1.4.2.2 The UCH:**

**a)** The UCH detects the starting request (Start button pressed under starting conditions).

**b)** The UCH authenticates the Renault card via the starting aerials for hands-free mode, or via the card reader for transponder mode.

**c)** The UCH manages the exchange with the steering column lock:

The UCH sends an unlocking request to the steering column via the vehicle's multiplex network, and the steering column responds with the status of the lock bolt.

**d)** The UCH requests activation of the **+ after ignition feed** from the Protection and Switching Unit.

**e)** The UCH manages the exchange with the injection computer:

The UCH and the injection computer exchange their codes via the vehicle's multiplex network to deactivate protection and unlock the immobiliser.

**f)** The UCH requests the Protection and Switching Unit to supply the starter motor.

1.4.2.3 The electric steering column lock:

The electric steering column lock is controlled by the UCH. The steering column lock works by inserting and removing a lock bolt. It replaces the Neimann type lock.


The steering column lock is powered outside **+ after ignition feed**. The steering column lock supply is via the after ignition relay (located in the Protection and Switching Unit) in its rest position, from where it is distributed to the column lock by the UCH.

The UCH sends an unlocking request and a code to the steering column lock, via the vehicle's multiplex network. The multiplex network unlocks the steering column lock if the code is recognised.

A sensor located on the column lock bolt informs the UCH, via the multiplex network and by wire connection, that it is unlocked.

When unlocking is confirmed, the UCH activates the **+ after ignition feed** via the Protection and Switching Unit. The column lock is no longer supplied.

The column lock has a **" + after ignition feed present on vehicle "** wire signal which inhibits locking while the feed is active.

|  |  |
|--|--|
|  <p><b>IMPORTANT</b></p> | <p><b>IMPORTANT</b></p> <p>The steering column lock is:</p> <ul style="list-style-type: none"><li>– not removable when the bolt is disengaged,</li><li>– fitted with a left-hand thread self-shearing mounting bolt.</li></ul> |
|--|--|

1.4.2.4 The injection computer:

The injection computer is coded and unlocks following the encrypted challenge exchange with the UCH.

1.4.2.5 The starting aerials (hands-free vehicles):

There are 3 transmitter aerials located in the passenger compartment. They are controlled by the UCH to interrogate the card during a starting request or in confirming the presence of the card in the vehicle (e.g. after a door is opened).

The power used allows the whole passenger compartment to be covered, including the boot. Overspill outside the passenger compartment is minimal.

1.4.2.6 The card reader:

The card reader is connected to the UCH by a wire connection. It provides the transponder function (like a key recognition ring). It therefore allows authentication of a Renault card without a battery.

If the card is not detected or recognised during hands-free starting, the card reader flashes to tell the customer to insert the Renault card.

### 1.4.3 Main components of the STARTING sub-function:

The starting sub-function is based on the following main factors:

- The starting conditions being present.
- Passenger Compartment Control Unit (UCH).
- The automatic gearbox computer (if fitted on the vehicle).
- The Protection and Switching Unit.

#### 1.4.3.1 Start button:

The start button transmits the driver's requests to start or stop the engine to the UCH.

#### 1.4.3.2 The UCH:

The UCH ensures that the starting conditions are met, and that no other computer on the multiplex network is inhibiting starting of the vehicle.

If the conditions are met, it requests control of the starter from the UPC.

#### 1.4.3.3 The Protection and Switching Unit (UPC):

The Protection and Switching Unit activates the starter motor following a request from the UCH via the multiplex network.

#### 1.4.3.4 Neutral sensor (manual gearbox):

Informs the UCH of the position of the gearbox (neutral or gear engaged).

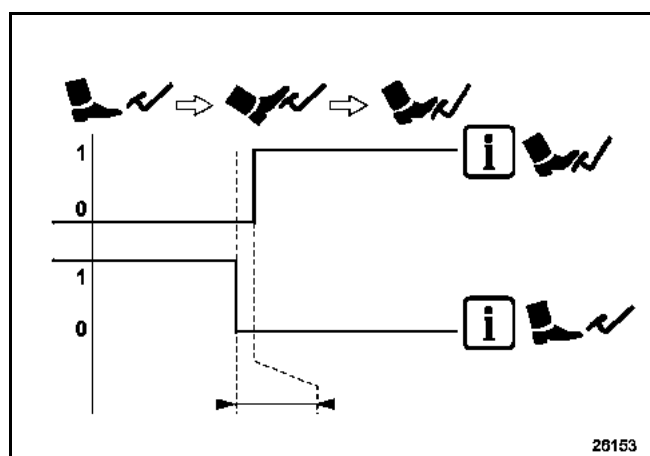
#### 1.4.3.5 Clutch switch (manual gearbox):

Sends clutch pedal depressed signal (end of travel) to the UCH.

#### 1.4.3.6 Brake switch:

Sends brake pedal depressed signal to the UCH.

Operation:



The unknown status does not automatically require the brake pedal to be replaced, because it is a temporary operating status between released pedal status and depressed pedal status (see diagram above).

#### 1.4.3.7 Automatic gearbox computer (if fitted):

The computer informs the UCH of the selector position (park, neutral, etc.) via the multiplex network.

## 2 AIR CONDITIONING FUNCTION

The type of air conditioning control can be displayed by configuration reading **LC013 Air conditioning type** and configured using command **CF019 Air conditioning type (can be configured during configuration of the UCH by the SC008 UCH type command)**.

### 2.1 Sub-function: USER SELECTION (Non-regulated air conditioning only)

The UCH receives the signal from the air conditioning panel via cable connection for the air conditioning request, for electric heated rear screen and the signal for passenger compartment blower operation.

The UCH sends the request to the Protection and Switching Unit to start electric heated rear screen de-icing.

The UCH sends the request to the injection system to activate the air conditioning compressor.

The following statuses can be displayed:

- **ET029 Air conditioning button.**
- **ET028 Heated rear screen button.**
- **ET015 Passenger compartment fan.**

Operation of the indicator lights on the air conditioning and electric heated rear screen request buttons can be checked using the following actuator commands:

**AC015 Air conditioning button indicator** and **AC019 Heated rear screen indicator**.

### 2.2 Sub-function: HEATING

The UCH manages the passenger compartment heating resistors (RCHs) by controlling power relays according to the request for ventilation in the passenger compartment, the engine coolant temperature, the external temperature, the electrical power balance, engine loading and, for the cabriolet version, if the roof is open.

The following statuses and parameters produced by the UCH can be displayed:

- **PR001 Battery voltage.**
- **PR002 External temperature.**
- **ET015 Passenger compartment blower** only with non-regulated air conditioning.
- **ET017 Number of RCH\*s required.**
- **ET018 Number of RCH\*s authorised by alternator** alternator charge rate.
- **ET019 Number of RCH\*s authorised by injection system.**
- **ET020 Number of RCH\*s activated.**
- **ET021 RCH\* 1 control.**
- **ET022 RCH\* 2 control.**
- **ET031 Fast idle request for RCH.**
- **ET169 Engine.**
- **ET025 Retractable roof** for cabriolet version only.
- **ET026 Heated rear screen switch.**

\*RCH = Passenger Compartment Heating Resistors

Relay 1 controls a passenger compartment heating resistor unit consisting of one resistor.  
Relay 2 controls a passenger compartment heating resistor unit consisting of two resistors.  
Check the operation of the passenger compartment heating resistors using actuator commands:  
**AC016 RCH relay 1, AC017 RCH relay 2 and AC018 RCH relay 3.**

| Passenger compartment heating resistor power | Relay 1 | Relay 2 |
|--|---------|---------|
| 0 W  | 0       | 0       |
| 333 W  | 1       | 0       |
| 667 W  | 0       | 1       |
| 1000 W                                       | 1       | 1       |

The configuration can be displayed using **LC030 Heating resistor types**.

**2.3 Sub-function: COLD LOOP**

The UCH requests the injection to switch on the compressor via the multiplex network, depending on the external temperature, the passenger compartment blower activation signal and whether the engine is in operation. The following statuses and parameters can be displayed:

- **ET030 Air conditioning request 2.**
- **ET169 Engine.**
- **ET015 Passenger compartment fan.**
- **PR002 External temperature.**

### 3 WIPER FUNCTION

#### 3.1 Sub-function: WIPER CONTROL

The UCH receives the driver's request when the wiper stalk is used.

##### **Windscreen wiper:**

The UCH requests the Protection and Switching Unit via the CAN network to supply power to the windscreen wiper. The park position is managed by the Protection and Switching Unit.

The wiper control stalk has four positions (neutral, intermittent wiping, slow speed and fast speed) and a wiper intermittent speed ring which varies the time between each wipe.

##### **Special notes:**

If the windscreen wiper is set to low speed when the vehicle is moving and then the vehicle stops, the system switches to intermittent wipe.

The requests made to the UCH by the wiper stalk can be displayed using statuses: **ET077 Wiper stalk position** and **ET096 Wiper intermittent speed ring**.

If the vehicle is fitted with a rain sensor, (see **special features of the rain and light sensor**).

##### **Rear screen wiper:**

Rear wiper speed and power supply are also controlled by the UCH.

Windscreen wiper outside neutral position:

- The rear screen wiper starts to operate as soon as reverse gear is engaged and rain drops are detected on the windscreen wiper.
- When the vehicle is stationary, the wipers operate intermittently every **7 seconds**; over **36 mph (60 km/h)** they operate every **3 seconds**. There is no continuous wiping function, except during the rear screen washer control.

The statuses corresponding to operation of the rear screen wiper can be displayed using statuses **ET080 Rear screen wiper request**, **ET097 Rear screen wiper park position** and **ET109 Reverse gear engaged** or **ET108 Automatic gearbox lever position**, by configuration reading **LC064 Rear screen wiper** and by configuration **CF166 Rear screen wiper**.

##### **Windscreen washers:**

The front and rear windscreen washers are controlled directly by the wiper control stalk, via a wire connection. These connections are doubled up to the UCH to permit command status reading.

**ET078 Windscreen washer request,**  
**ET079 Rear screen washer request.**

##### **Special features of headlight washers**

For vehicles fitted with xenon bulbs, the headlight washers are actuated at the same time as the windscreen washer, only if the headlights are on.

##### **Two cases are possible concerning the control of the headlight washers.**

First case: (vehicles fitted with a SIEMENS Vdiag 44 UPC): the UCH sends the command by cable to two headlight washer relays on a relay plate underneath the UPC.

Second case: (vehicles fitted with a LEAR Vdiag 48 or later): the UCH requests the UPC via the multiplex network to activate the washer relays.

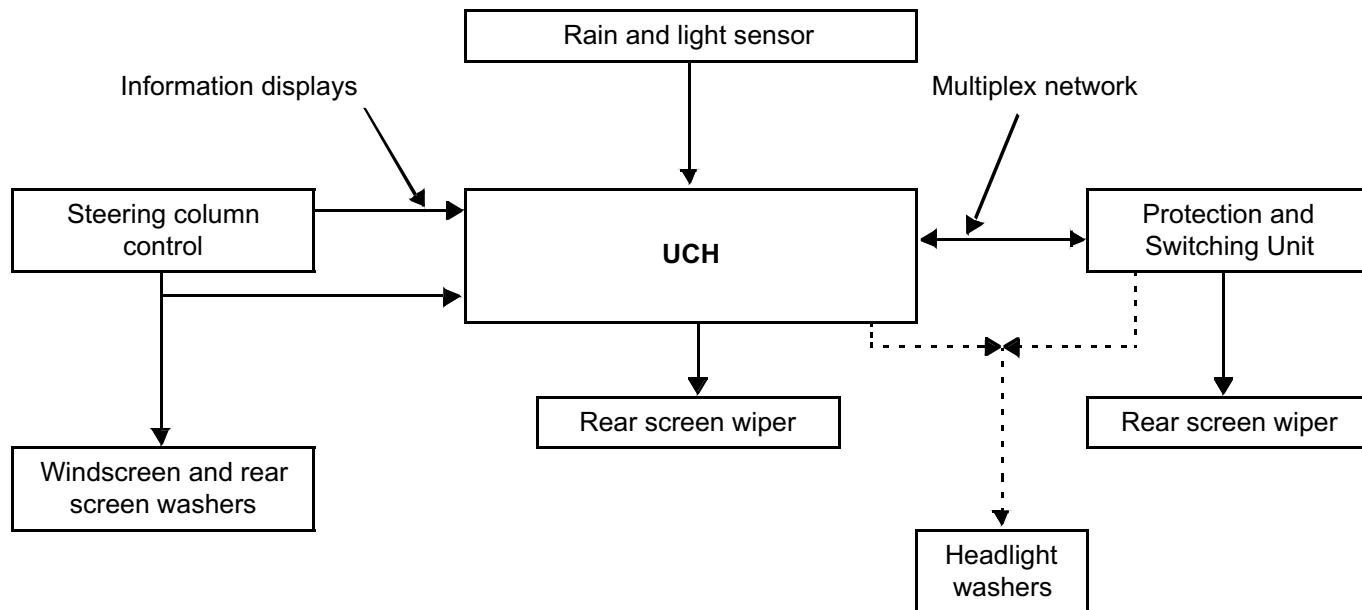
#### **WARNING**

If the UCH does not manage to determine the position of the control stalk, or inform the Protection and Switching Unit of the control stalk's position, the Protection and Switching Unit will activate the windscreen wiper at low speed (defect mode).

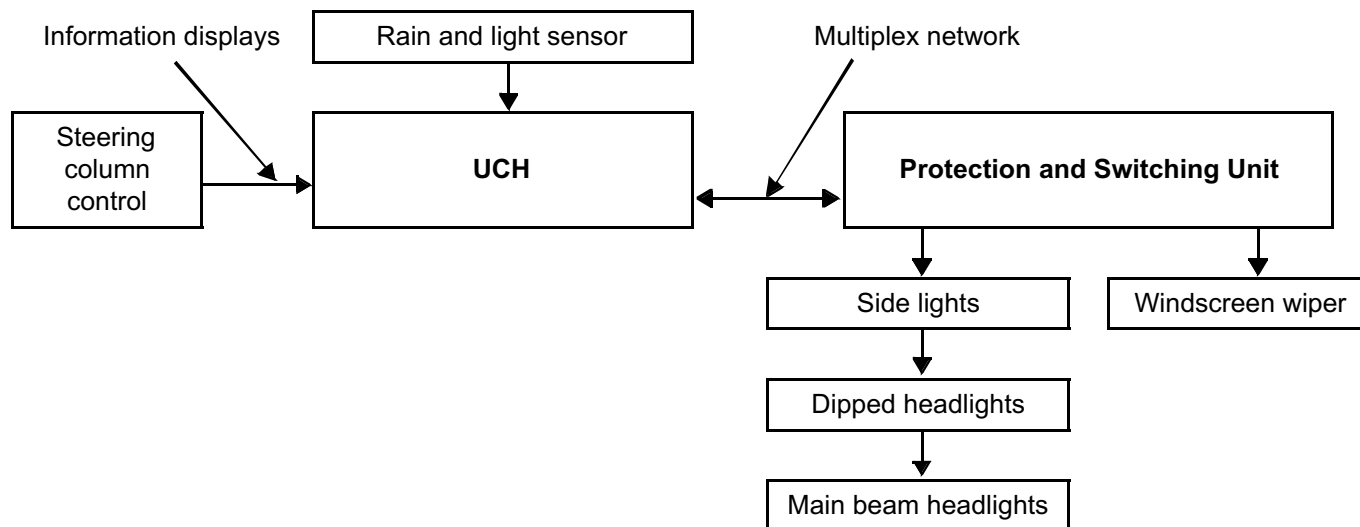
### 3.2 Sub-function: WIPER POWER

The UCH controls the rear screen wiper's power (and that of the headlight washers if the vehicle is fitted with xenon headlights and a SIEMENS Vdiag 44 UPC).

Their operation can be checked using commands **AC007 Rear screen wiper**, **AC030 Headlight washer relay 1** and **AC031 Headlight washer relay 2**.



### 3.3 Special features of the rain sensor (if fitted to the vehicle)



The rain and light sensor is a single sensor, connected to the UCH by a single connection. This sensor is installed on the windscreen.

The rain sensor enables the windscreen wipers to be operated automatically and controls the wiper speeds according to the quantity of water on the windscreen.

The sensor is activated by setting the wiper stalk to AUTO position.

**Depending on the vehicle's bodywork, two cases are possible for the operation of the rain sensor:**

#### a) Phase 1 bodywork:

Automatic operation of the rain sensor is inhibited following ignition switch-off with the wiper stalk in the Auto position. To reactivate operation when next switching on the ignition, set the wiper control stalk in the neutral position then return it to the Auto position.

#### b) Phase 2 bodywork:

Automatic operation of the rain sensor remains active following ignition switch-off with the wiper stalk in the Auto position.

For a vehicle which is fitted with a rain sensor, with automatic detection activated, the rear screen wiper starts to operate if reverse gear is engaged and if the sensor has detected rain for more than **1 minute**.

**The wiper intermittent speed ring is used to modify the sensor's sensitivity to rain and therefore the time between wipes.**

When the vehicle is not fitted with a rain sensor, the intermittent speed position on the control stalk takes the place of the Auto position.

The status **ET118 Rain sensor sensitivity ring position** can be interpreted if the vehicle is configured with rain sensor and inhibits status **ET096 Intermittent wipe ring position**.

The operation of the rain sensor can be displayed using status **ET114 Wiper request by rain sensor**, and by configuration reading **LC044 Rain/light sensor**.

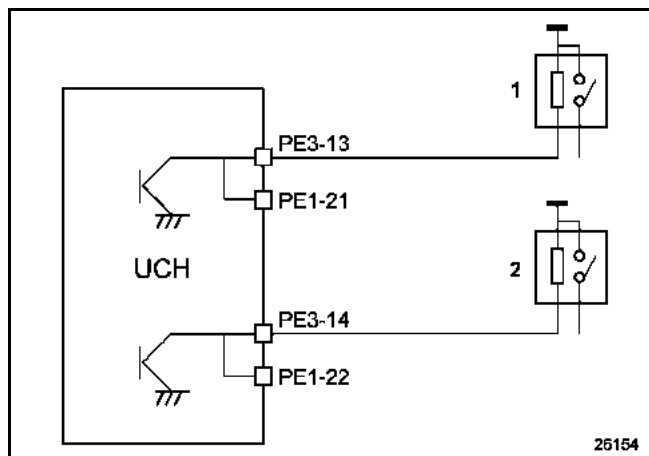
Configuration **CF035 Rain/light sensor** is available during **UCH configuration (SC008 UCH type)** (see **Configurations and programming**).



### 3.4 Special features of the headlight washers control wiring

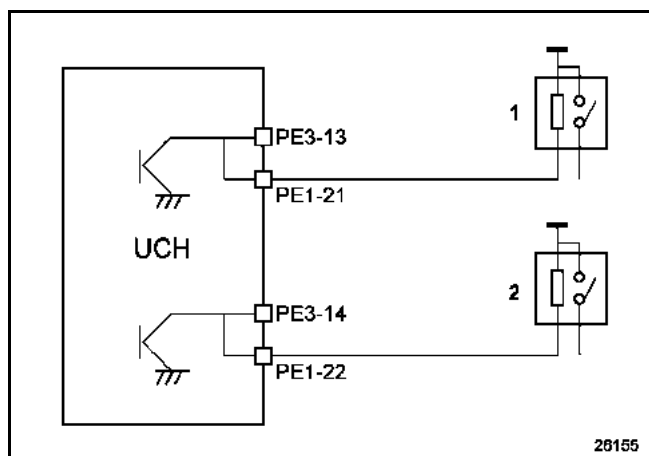
The headlight washers control is wired differently depending on the type of vehicle:

- **Phase 1 mechanical:** on vehicles manufactured **before** 10/01/2005 for type BCEJRK and before 17/01/2005 for type L.



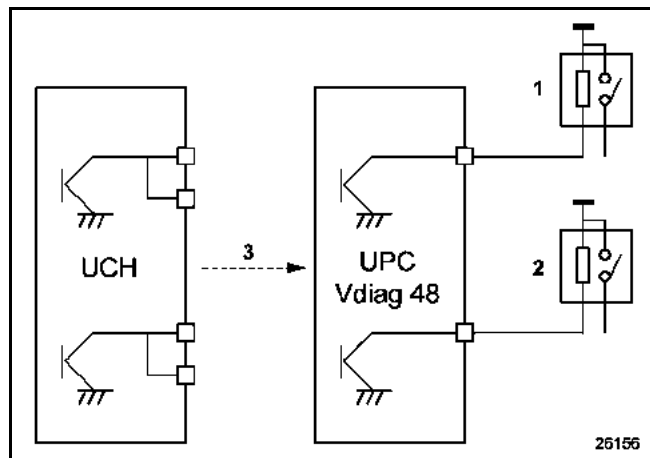
- 1 Headlight washers relay 1
- 2 Headlight washers relay 2

- **Phase 2 mechanical:** on vehicles manufactured **after** 10/01/2005 for type BCEJRK and after 17/01/2005 for type L, except phase 2 bodywork.



- 1 Headlight washers relay 1
- 2 Headlight washers relay 2

– Phase 2 bodywork:



- 1 Headlight washers relay 1
- 2 Headlight washers relay 2
- 3 Multiplex network

## 4 FUNCTION: LIGHTING

### 4.1 Sub-function: LIGHTING CONTROL

The UCH receives the request from the driver, from the lighting stalk, from the hazard warning lights button and, if fitted to the vehicle, from the light detector.

The UCH requests the Protection and Switching Unit, via the multiplex network, to provide power to the side lights, dipped headlights, main beam headlights and fog lights (front).

If a request to activate the lighting is made, the UPC provides power to the xenon bulb computers.

The dipped headlights are still supplied when the main beam headlights are activated.

The following statuses can be displayed:

**ET081 Lighting stalk position.**

**ET082 Rear fog lights request.**

**ET085 Hazard warning lights switch.**

**ET083 Left-hand direction indicator request.**

**ET084 Right-hand indicator request.**

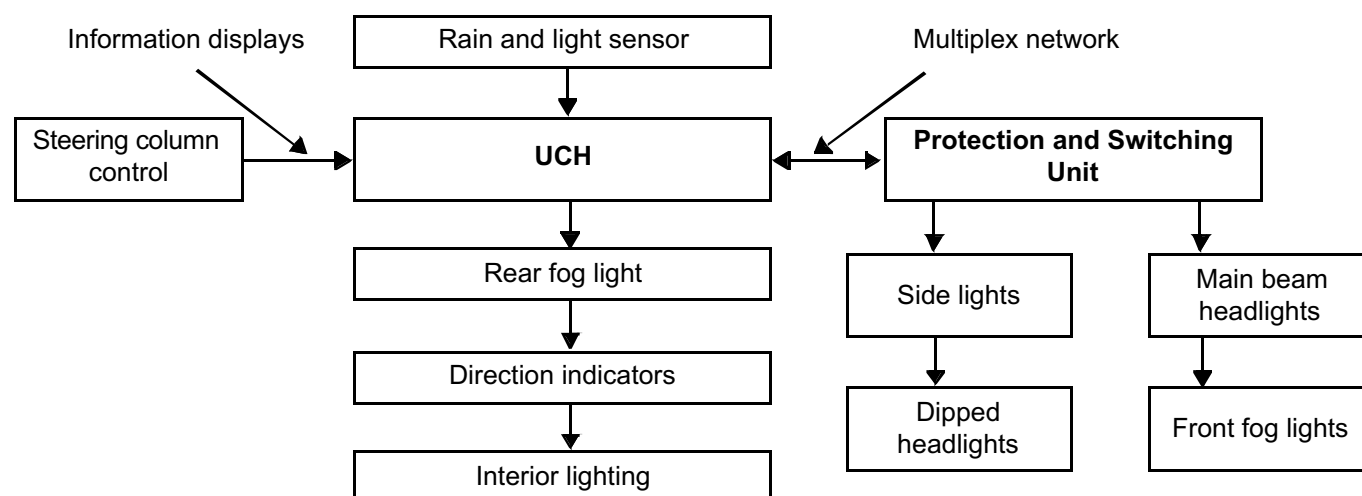
If the UCH cannot determine the position of the control stalk, or inform the Protection and Switching Unit of the control stalk's position, the Protection and Switching Unit will activate the dipped headlights.

### 4.2 Sub-function: LIGHTING POWER

The UCH controls the power supply for the rear fog light (a single one), direction indicators and interior lighting (roof lights and footwell/floor lights).

The interior lighting request can be displayed using the **ET112 Interior lighting control** status.

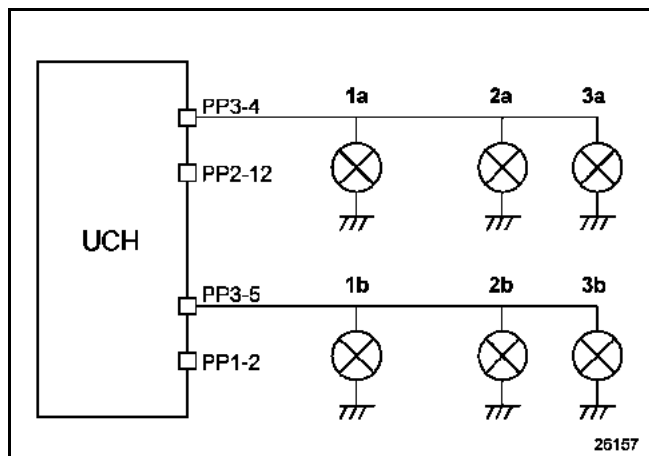
Operation of the lights powered by the UCH can be checked using the actuator commands **AC009 Rear fog lights**, **AC022 Left-hand direction indicator**, **AC023 Right-hand direction indicator**, **AC021 Interior lights** and **AC027 Footwell/floor lighting**.



### 4.3 Special features of the direction indicators

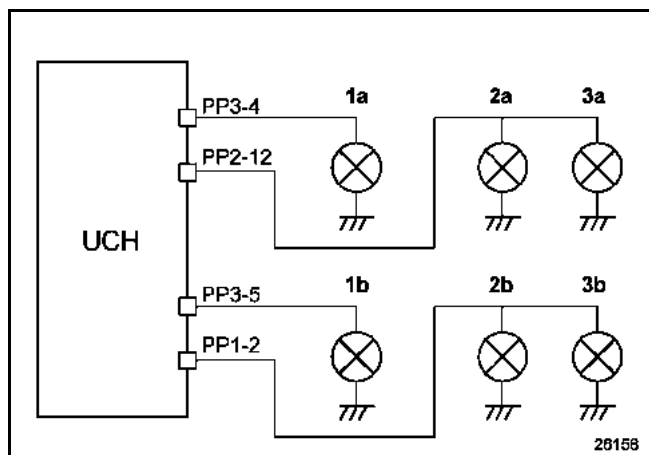
There are 2 types of wiring depending on the vehicle:

- **Phase 1 mechanical:** on vehicles manufactured **before** 10/01/2005 for type BCEJRK and before 17/01/2005 for type L.



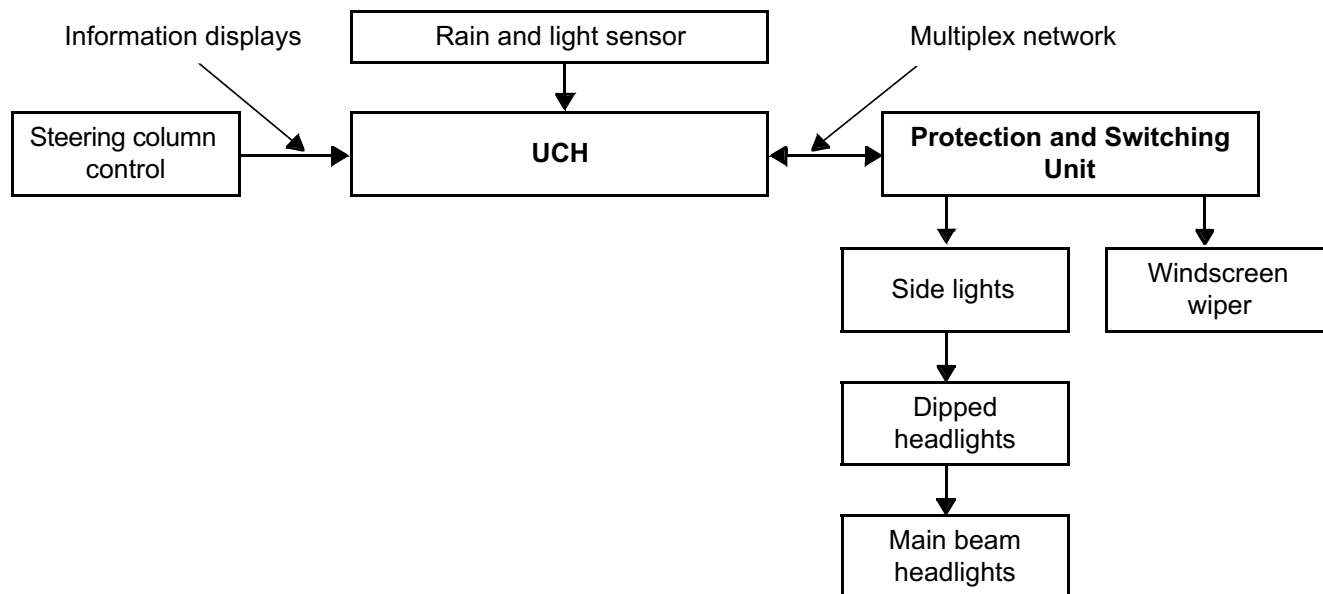
- 1a-** Front left-hand direction indicator
- 1b-** Front right-hand direction indicator
- 2a-** Rear left-hand direction indicator
- 2b-** Rear right-hand direction indicator
- 3a-** Left-hand side direction indicator
- 3b-** Right-hand side direction indicator

- **Phase 2 mechanical:** on vehicles manufactured **after** 10/01/2005 for type BCEJRK and after 17/01/2005 for type L.



- 1a-** Front left-hand direction indicator
- 1b-** Front right-hand direction indicator
- 2a-** Rear left-hand direction indicator
- 2b-** Rear right-hand direction indicator
- 3a-** Left-hand side direction indicator
- 3b-** Right-hand side direction indicator

#### 4.4 Special features of the light sensor (if fitted to the vehicle).



The rain and light sensor is a single sensor, connected to the UCH by a single connection. This sensor is installed on the windscreen.

The light sensor enables the side lights and dipped headlights to be operated automatically as soon as the vehicle is in a dark place (tunnel, night, gloomy weather conditions, etc.).

The status of the light sensor can be displayed using **ET115 Lights on request by light sensor**, and by configuration reading **LC044 Rain/light sensor**.

Configuration **CF035 Rain/light sensor** is available during **UCH configuration SC008 UCH type** (see **Configurations and programming**).

To activate the automatic lighting function, press the AUTO button on the lighting stalk for at least **4 seconds**. This action is confirmed by two beeps.

To deactivate the automatic lighting function, switch the engine off and press the AUTO button on the lighting stalk for at least **4 seconds**. A beep confirms this action and the message Automatic lighting OFF appears on the instrument panel.

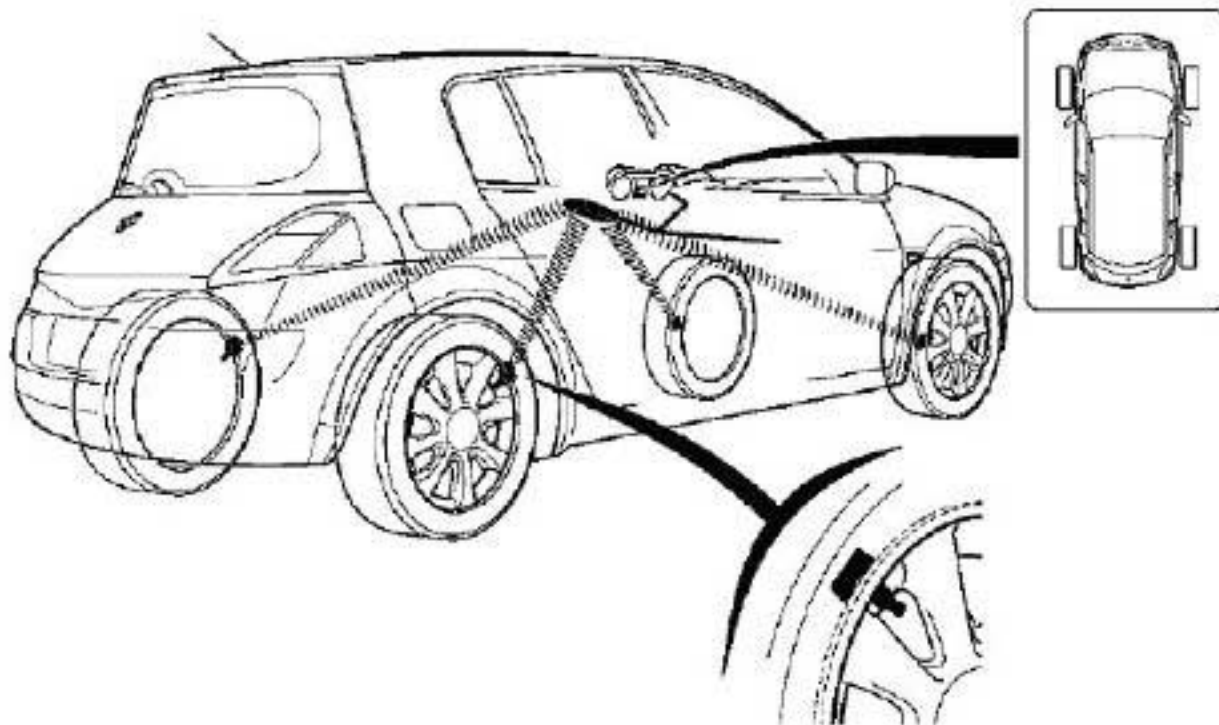
Any other operation on the lighting stalk overrides and cancels automatic operation.

## 5. TYRE FUNCTION

### SYSTEM COMPOSITION

The tyre pressure monitor system consists of the following components:

- four sensors (one on each wheel but not on the spare wheel),
- a computer (UCH),
- an instrument panel display for the driver.



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#### **WARNING:**

It is forbidden to install PAX System tyres on a vehicle without PAX System tyres as standard.  
In the **MEGANE II** family, PAX System tyres can only be installed on the 5-seat **SCENIC II**.

## SYSTEM OPERATION

- The valves are activated approximately **1 minute** after the vehicle has been running at a speed above **12 mph (20 km/h)**.
- During driving, the valves emit signals every minute.
- The valves remain active for **15 minutes** after the vehicle stops, then switch to standby mode.
- In standby mode, the valves emit signals only if they detect a pressure difference between two successive measurements exceeding **68 mbar** or if the pressure difference since last emitting exceeds **68 mbar** (due to tyre cooling).
- The tyres are considered to be cold when the vehicle speed has been zero for **1h 45 min**.
- The minimum time for detection of a leak is approximately **15 minutes**.
- The message **Inflate tyres for motorway** is displayed only if the vehicle travels at more than **102 mph (170 km/h)** (as an indication) for **3 minutes** and the pressure on at least one of the tyres is **400 mbar** less than the recommended pressure at low speed. This message is inactive if the tyres are inflated to motorway pressure, irrespective of the vehicle speed.
- Alert thresholds:
  - **over-inflation when cold** = recommended pressure + **700 mbar**,
  - **over-inflation when hot** = recommended pressure + **850 mbar**,
  - **under-inflation** = recommended pressure - **400 mbar**,
  - **serious under-inflation** = recommended pressure - **600 mbar**,
  - **imbalance** = difference in pressure between the left-hand and right-hand wheels on the same axle greater than **500 mbar**.
- Information messages for the driver:
  - **Stop! Tyre puncture** + STOP warning light + wheel concerned is highlighted on instrument panel display + buzzer.
  - **Adjust tyre pressure** + the wheel concerned is highlighted on instrument panel display.
  - **Inflate tyres for motorway** + four wheels highlighted on instrument panel display.
  - **Tyre sensor fault** + the wheel concerned is erased.
  - **Electronic fault** + "Service" warning light + the four wheels concerned disappear from the instrument panel display.
  - No display of the tyre inflation pressure on the instrument panel on **MEGANE II**.

## **MATCHING THE VALVE TO THE TYRE**

Whenever wheels are swapped over, reprogram the new valve positions in the UCH using the diagnostic tool.

The coloured rings will then have to be placed back in the location marked on the label on the driver's door.

Ring colours:

- Front left-hand: green.
- Front right-hand: yellow.
- Rear left-hand: red.
- Rear right-hand: black.

## **WINTER AND SUMMER TYRES**

On leaving the factory, it is the summer wheel set that is configured in the UCH, but customers can fit their vehicle with a winter set (winter wheels = wheel rims + sensors + special tyres).

The first time a set of winter wheels is fitted, program the codes of the four valves. Thereafter, whenever the set of tyres is changed, recognition is automatic without having to touch the UCH.

### **Establishing communication between the UCH and the CLIP diagnostic tool:**

- Connect the wire to the diagnostic socket and switch on the ignition.
- Switch on the **diagnostic tool**.
- Select the vehicle type and carry out the multiplex network test.
- Select the **Tyre** function.
- Follow the fault finding procedure described previously.



## REPLACING THE UCH COMPUTER

Switch off the ignition before replacing the UCH.

After replacing the UCH, configure the new computer for the equipment present on the vehicle.

- Configure the UCH: **WITH** or **WITHOUT** Tyre pressure monitor function using command **CF023 Tyre pressure monitor function** in scenario **SC008 UCH type**.
- Enter the recommended pressures with command **VP005 Enter recommended pressures**.
- Program the four valve codes using command **SC002 Program the four valve codes**.

The configurations are described under the **Configuration and programming** section.

## REPLACING ONE OR MORE VALVES

Program the UCH with the new valve code by running command **SC002** described in the **Configuration and programming** section.

**Note:** Program all four valve codes even if only one valve has been replaced.

## REPLACING THE INSTRUMENT PANEL

After replacing the instrument panel, configure it for the equipment installed in the vehicle.

Configure the tyre pressure monitor function **WITH** or **WITHOUT** in the instrument panel using command **CF145 Tyre pressure monitor** (see **83A, Instrument panel**).

For replacing different components, see the relevant sections in the MR vehicle mechanics (**Megane II: see MR 364 Mechanical systems; Scenic II: see MR 370 Mechanical systems**).

The programming and configurations are described in the following pages of the present document.

## 1/ GENERAL INFORMATION

The engine immobiliser protection system is controlled by a RENAULT card recognition system with random rolling code.

A coded transponder chip (operating without a battery) independent of the remote control function is built into each of the vehicle's RENAULT Cards.

The engine immobiliser is active a few seconds after the RENAULT Card is removed from the card reader. Its status is shown by the flashing warning light on the instrument panel and by locking of the steering column lock.

To obtain the immobiliser code, see **Technical Note 5037A, Code delivery procedure**.

There are two programming methods: **"Not connected"** to the code server mode and **"connected"** to the code server mode.

- In the **"not connected"** mode, the **CLIP diagnostic tool** supplies a programming key and the user enters the immobiliser code.
- In the **"connected"** mode, the **CLIP diagnostic tool** automatically exchanges the programming key and the immobiliser code.

### IMPORTANT

If not all of the Renault cards are available, reallocate all Renault cards later. Cards not inserted will no longer be allocated to this vehicle.

### IMPORTANT

In **"not connected"** mode, once the tool has issued the programming key, the user has a limited amount of time in which to enter the immobiliser code.

If this time expires, the **CLIP diagnostic tool** displays the message **"Time expired. Restart the procedure"**.

### Note:

When only the UCH is replaced, there is no operation to perform on the injection computer or the steering column lock, they retain the same immobiliser code.

### IMPORTANT

Once a part is programmed with a code, it is allocated to the vehicle; the code cannot be deleted and the part cannot be reprogrammed with another code. The programmed code cannot be erased.

### IMPORTANT

In **"connected"** mode, the exchange of the programming key and the entry of the immobiliser code is done automatically.

If the connection parameters are not met, **"connected"** mode switches automatically to **"not connected"** mode.

2/ UCH PROGRAMMING

|       |                     |
|-------|---------------------|
| SC004 | PROGRAMMING THE UCH |
|-------|---------------------|

|                      |
|----------------------|
| Equipment required   |
| CLIP diagnostic tool |

The role of this command is to code the UCH.

Use this command only with a new and blank UCH.

A new UCH is not coded and is therefore not assigned to the vehicle; once it is fitted on the vehicle, it must be programmed to assign it to the vehicle.

To carry out this programming operation, you will need to have:

- **a card belonging to the vehicle** (allocated to the old UCH).

Before starting this operation, make sure that there are no components capable of interfering with the electromagnetic field (e.g.: CB (Citizen Band), mobile phone, etc.).

Note:  
After an injection computer has been replaced, there are no operations to be performed on the UCH. It retains the same immobiliser code.

Note:  
After only the UCH has been replaced, there are no operations to be performed on the injection computer. The computers keep the same immobiliser code.

**IMPORTANT**  
When the UCH programming procedure is successfully completed, the UCH is no longer blank and is permanently assigned to the vehicle. It will not work on another vehicle.

**IMPORTANT**  
When the programming operation is complete, only remove the key once the message **Programming complete** is displayed on the screen. Otherwise, programming has failed and the UCH cannot be used.

**IMPORTANT**  
– Do not interrupt the procedure when it is in progress.  
– If it is interrupted, restart the procedure; a new programming key will be displayed.

### UCH programming procedure

- Run the **Multiplex network** test.
- Switch on the side lights.
- Establish dialogue with the UCH.
- Select the menu **repair mode**.
- Select the menu **secure programming**.
- Select line **SC004 Program UCH**.

Follow the instructions on the **CLIP diagnostic tool**.

In **"not connected"** mode, when the **CLIP diagnostic tool** displays the programming key, make a note of this key and the VIN.

To obtain the immobiliser code, see **Technical Note 5037A, Code delivery procedure**.

#### **IMPORTANT**

In **"not connected"** mode, the programming key can only be used for a limited amount of time, as indicated by the **CLIP diagnostic tool**. After this time, the programming key and associated immobiliser code are no longer valid. The operation must be restarted from the beginning.

### Operations to be carried out after programming the UCH

- Enter the vehicle VIN in the computer using the command **VP004 Enter VIN**.
- After programming the UCH, allocate all of the cards using command **SC006 Card allocation**.
- Configure the equipment as present or not present on the vehicle using the commands (see **Configuration and programming**).

3/ CARD ALLOCATION

|       |                 |
|-------|-----------------|
| SC006 | CARD ALLOCATION |
|-------|-----------------|

|                      |
|----------------------|
| Equipment required   |
| CLIP diagnostic tool |

**IMPORTANT**  
The driver's door must remain open throughout the entire card insertion stage.

**IMPORTANT**  
It is not possible to allocate more than two blank cards per operation.  
If there are more than 2 blank cards to be allocated: allocate 2 blank cards, then restart the procedure with all the cards.

**IMPORTANT**  
Only cards which have been ordered for the vehicle concerned or the vehicle's old cards can be inserted.

**IMPORTANT**  
– Do not interrupt the procedure when it is in progress.  
– If it is interrupted, restart the procedure; a new programming key will be displayed.

- Run the **Multiplex network** test.
- Establish dialogue with the UCH.
- Select the menu **repair mode**.
- Select the menu **secure programming**.
- Confirm line **SC006 Card allocation**.

The card allocation procedure takes place in two parts:  
1 Card insertion stage.  
2 Card allocation stage.

**Card insertion stage:**

**The CLIP diagnostic tool** requests that the cards to be allocated are inserted.

Insert ALL of the cards to be allocated. Cards which are not inserted at this stage will be rejected in the "card allocation" stage, and this will mean that the whole operation must be restarted so that the cards which have not been inserted can then be allocated.

Once all the cards have been inserted, **the Clip diagnostic tool** displays the programming key.

To obtain the immobiliser code, (see **Technical Note 5037A, Code delivery procedure**).

**IMPORTANT**

In "**not connected**" mode, the programming key can only be used for a limited amount of time, as indicated by the **CLIP diagnostic tool**. After this time, the programming key and associated immobiliser code are no longer valid. The operation must be restarted from the beginning.

**Card allocation stage:**

Continue the procedure following the instructions on **the CLIP diagnostic tool**.

– Once the cards have been allocated, make sure that all the cards can lock and start the vehicle.

With this system it is not possible to replace some components, such as the UCH and the Renault card as these parts are sold blank and uncoded. These components cannot be coded when replaced unless they have the vehicle's original code stored.

#### **4/ INJECTION COMPUTER PROGRAMMING:**

A blank injection computer is automatically programmed when + **after ignition feed** is first activated on the vehicle. After this, the injection computer has been programmed definitively. The injection computer can no longer be used on another vehicle.

Programming will operate correctly if:

- the cards and UCH are programmed,
- the steering column lock is programmed (to activate + **after ignition feed**),
- the injection computer is blank.



**5/ TYRE PRESSURE MONITORING SYSTEM FUNCTION**

**5.1 PROGRAMMING PROCEDURE FOR THE 4 VALVE CODES (SC002)**

**SC002:**  
**Programming the four valve codes**

**IMPORTANT:**

Any operation involving the replacement of a wheel sensor, requires perfect knowledge of the recommendations defined in Repair Manual 364 (for Mégane II) or 370 (for Scénic II), section 35.

- Inflate the four tyres to **3.8 bar**.
- Establish communication with the UCH using the **diagnostic tool**.
- Select the **Repair mode** menu.
- Select the **Programming** menu.
- Select line **SC002** in the **Tyre** function.
- The stored codes and valve sets detected are displayed.
- Select the **Valve set selection** menu, then **Summer** or **Winter**.
- Confirm to display the **Valve programming conditions** table.
- Confirm by selecting **next** to obtain the **Find valve codes** menu.
- Excite each valve by holding the valve exciter against the tyre just below the valve in question.
- Start with the front left-hand wheel.
- Wait for the new code to appear on the screen before moving on to the next valve.
- The order for programming the codes is as follows:  
Front left-hand → Front right-hand → Rear right-hand → Rear left-hand
- **Click on the "Confirm" button to transmit the codes to the UCH.**
- Inflate the tyres to the recommended pressures.
- Carry out a road test: speed > **12 mph (20 km/h)** for **10 minutes**.
- Check that no message appears on the instrument panel.

**IMPORTANT:**

When swapping wheels over, reprogram the UCH with the new valve positions using the **diagnostic tool** and program the valve codes.

The coloured rings will then have to be placed back in the location marked on the label on the driver's door.

5.2 PROCEDURE FOR ENTERING THE RECOMMENDED PRESSURES (VP005)

**VP005:**  
**ENTER RECOMMENDED PRESSURES**

To enter the recommended pressures correctly, use the values recommended by the manufacturer and found in the repair manual (**MR 364 (Mégane II) or MR 370 (Scénic II), Mechanical, 35A, Tyre pressure: Identification**), or **Driver's handbook for the vehicle with the tyres installed on the vehicle** or indicated on the label on the driver's door.

- Select the **Repair mode** menu.
- Select the **Other parameters** menu.
- Select line **VP005**.
- Enter the vehicle type: **Extended MPV** or **other**.
- Enter the recommended pressures at the keyboard.
- Confirm the pressures.
- Click on **Finish** to end the procedure.
- Check the recommended pressures in memory:
- Select the **Statuses/Parameters** menu.
- Select the **Tyre management** menu.
- Read the parameters **PR009 Front wheels low speed recommended pressure** to **PR012 Front wheels high speed recommended pressure**.

In the event of any problem occurring, start the operation again from the beginning.

**IMPORTANT:**

If the recommended pressure format is not correct or if the pressure entered is outside the permitted tolerance values in relation to the type of vehicle selected, the following error message will be displayed: **"Procedure failed: incorrect pressure format or value outside authorised range"**.

5.3 PROCEDURE FOR READING VALVE SET AND STORED CODES (SC001)

**SC001:**  
**READ THE VALVE SET AND STORED CODES**

- Select the **Repair mode** menu.
- Select the **Programming** menu.
- Select line SC001 in the **Tyre** function.

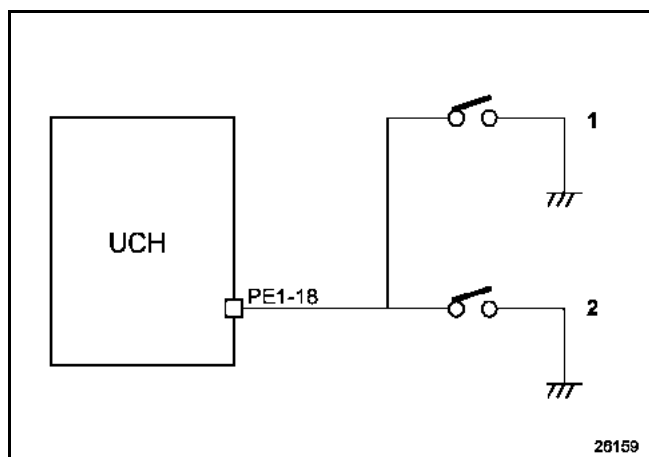
6/ CHILD SAFETY LOCK CONFIGURATION PROCEDURE (SC016)

This procedure will enable the child safety system, if fitted to the vehicle, to be configured for optimum running during the replacement of a UCH.

- Click on the **Repair** mode and in the **Programming** menu,
- confirm the line **SC016 Child safety**,
- follow the procedure and enter the following data:
- **CF104 Child safety lock (WITH or WITHOUT)**,
- confirm and follow the procedure,
- **finish by confirming and clearing the stored faults. The child safety function is configured.**

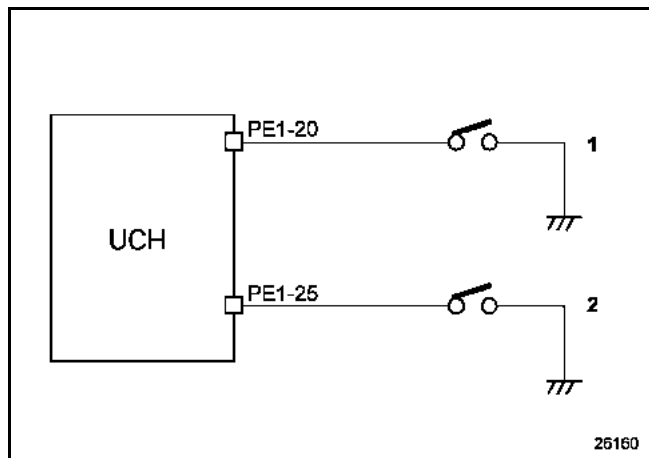
**There are two types of wiring: single or double input.**

- **Single input:** on vehicles manufactured **before** 10/01/2005.



- 1 Rear left-hand door
- 2 Rear right-hand door

- **Double input:** on vehicles manufactured **after** 10/01/2005.



- 1 Rear left-hand door
- 2 Rear right-hand door

## 7/ **PROCEDURE FOR CONFIGURING PROTECTION AND SWITCHING UNIT TYPE (CF135)**

This configuration is only available with a UCH Vdiag 4F or 50.

This procedure will enable certain functions of the UCH computer to be configured to differentiate between a vehicle fitted with a phase 1 electronic layout and a vehicle fitted with a phase 2 electronic layout.

- Click on **Repair** mode and in the **Configuration writing** menu,
- confirm the line **CF135 Protection and Switching Unit computer type**,
- follow the procedure and enter the following data:
  - **CF135 UPC computer type** (SIEMENS Vdiag 44 or OTHER),
  - **CF114 Body type** (phase 1 or phase 2),
  - **CF112 Headlight washers on vehicle** (WITH or WITHOUT): only if UCH Vdiag 50.
- confirm, follow the procedure and enter the following data:
  - **CF085 Valet card function** (WITH or WITHOUT) Important: the Valet function is only available on vehicles for the MEXICAN market (this configuration is only available if the vehicle is fitted with a UPC Vdiag 44): only if UCH Vdiag 50.
    - confirm and follow the procedure,
    - a screen prompts the user to verify that the specifications configured are those for the vehicle,
    - confirm and follow the procedure.

## **8/ UCH TYPE CONFIGURATION PROCEDURE (SC008)**

### **8.1 Vdiag 44, 48**

This procedure will enable the UCH to be configured in relation to the vehicle to provide optimum running.

- Click on the **Repair** mode and in the **Programming** menu,
- confirm line **SC008 UCH type**,
- follow the procedure and enter the following data:
- **CF097 Vehicle type** (3-door/4-door/5-door/cabriolet/extended MPV/MPV/Estate),
- confirm, follow the procedure and enter the following data:
- **CF010 Hands-free function** (WITH or WITHOUT),
- **CF023 Tyre pressure monitoring system function** (WITH or WITHOUT),
- **CF057 Type of heating resistors** (NONE, 1000 W, or 1800 W),
- **CF019 Type of air conditioning** (HEATING, AUTOMATIC, MANUAL),
- **CF027 Type of windscreen** (TINTED, HEAT INSULATING),
- **CF035 Rain/light sensor** (WITH or WITHOUT),
- **CF014 Daytime running lights** (WITH or WITHOUT),
- **CF022 Factory fitted perimeter protection** (WITH or WITHOUT): function only available on vehicles for the Mexican market,
- **CF173 One-touch window(s)/Sunroof** (WITH or WITHOUT),
- confirm, follow the procedure and enter the following data:
- **CF036 Selective opening of the opening elements** (WITH or WITHOUT) Only if **CF010 = WITHOUT**
- confirm, follow the procedure and enter the following data:
- **CF085 Valet card function** (WITH or WITHOUT) Function only available in Mexico,
- **(This status will only be available if the following conditions are met: CF036 Selective opening of opening elements = WITH)**,
- check that the options configured are those desired and finish.

## 8.2 Vdiag 4C and 4D:

This procedure will enable the UCH to be configured in relation to the vehicle to provide optimum running.

- Click on the **Repair** mode and in the **Programming** menu,

- confirm line **SC008 UCH type**,

- follow the procedure and enter the following data:

**CF097 Vehicle type** (3-door/4-door/5-door/cabriolet/extended MPV/MPV/Estate).

**CF011 Gearbox type** (BVA or BVM).

**CF020 Type of driving style** (Right-hand or Left-hand).

**CF028 Engine type** (F or K)

- confirm, follow the procedure and enter the following data:

**CF010 Hands-free function** (WITH or WITHOUT),

**CF023 Tyre pressure monitoring system** (WITH or WITHOUT),

**CF057 Type of heating resistors** (NONE, 1000 W, or 1800 W),

**CF019 Type of air conditioning** (HEATING, AUTOMATIC, MANUAL),

**CF027 Type of windscreen** (TINTED, HEAT INSULATING),

**CF087 Front fog light** (WITH or WITHOUT),

**CF014 Daytime running lights** (WITH or WITHOUT),

**CF012 Rain sensor** (WITH or WITHOUT),

**CF029 External temperature sensor** (WITH or WITHOUT).

- confirm, follow the procedure and enter the following data:

**CF036 Selective opening of opening elements** (WITH or WITHOUT): Only if **CF010** = WITHOUT.

**CF016 PAX system type tyre** (WITH or WITHOUT): Only if **CF097** = MPV or extended MPV or cabriolet and if **CF023** = WITH.

**CF100 Deadlocking** (WITH or WITHOUT).

**CF013 Light sensor** (WITH or WITHOUT): Only if **CF014** = WITHOUT.

**CF022 Factory fitted perimeter protection** (WITH or WITHOUT). Function only available on vehicles sold in Mexico. **CF083 One touch window(s)** (WITH or WITHOUT): Absent if **CF097** = Cabriolet.

- confirm, follow the procedure and enter the following data:

**CF085 Valet card function** (WITH or WITHOUT) Function only available in Mexico. Only if **CF036** = WITH and **CF023** = WITHOUT.

- check that the options configured are those desired and finish.

### 8.3 Vdiag 4F and 50:

This procedure will enable the UCH to be configured in relation to the vehicle to provide optimum running.

- Click on the **Repair** mode and in the **Programming** menu,
- confirm line **SC008 UCH type**,
- follow the procedure and enter the following data:
- **CF097 Vehicle type** (3-door/4-door/5-door/cabriolet/Estate) except for Scénic (extended MPV/MPV).
- confirm, follow the procedure and enter the following data:

**CF010 Hands-free function** (WITH or WITHOUT),

**CF023 Tyre pressure monitoring system** (WITH or WITHOUT),

**CF057 Type of heating resistors** (NONE, 1000 W, or 1800 W),

**CF019 Type of air conditioning** (HEATING, AUTOMATIC, MANUAL),

**CF027 Type of windscreen** (TINTED, HEAT INSULATING),

**CF035 Rain/light sensor** (WITH or WITHOUT),

**CF014 Daytime running lights** (WITH or WITHOUT),

**CF189 Protection type** (TYPE 1, TYPE 2 or WITHOUT): TYPE 1 = with factory fitted perimeter protection, TYPE 2 = with Cobra type alarm and WITHOUT = without factory fitted perimeter protection and without Cobra alarm.

- confirm, follow the procedure and enter the following data:

**CF173 One-touch window(s)/sunroof** (1 OTW\* phase 1/1 OTW\* phase 2/2 or 4 OTW\*/WITHOUT): Absent if **CF097** = Cabriolet.

1 OTW\* phase 1 = 1 driver side one touch window with a phase 1 bodywork vehicle.

1 OTW\* phase 2 = 1 driver side one touch window with a phase 2 bodywork vehicle.

2 or 4 OTW = 2 or 4 one touch windows.

WITHOUT = no one touch windows on the vehicle.

- confirm, follow the procedure and enter the following data:

**CF188 Production number type** (Jxxxxxx or OTHER): only if **CF097** = 4-doors and **CF173** = 1 OTW\* Phase 1.

The production number is located on the oval plate on the vehicle's right-hand side B-pillar. The production number consists of 7 characters: 1 letter indicating the production plant followed by 6 figures.

- If the production number starts with the letter J, select Jxxxxxx.

- If the production number does not start with the letter J, select Other.

- Confirm, follow the procedure and enter the following data:

**CF036 Selective opening of opening elements** (WITH or WITHOUT): Only if **CF010** = WITHOUT **CF016 PAX**

**System type tyre** (WITH or WITHOUT): Only if **CF097** = MPV or Extended MPV and if **CF023** = WITH.

- confirm, follow the procedure and enter the following data:

**CF085 Valet card function** (WITH or WITHOUT): Only if **CF036** = WITH and **CF023** = WITHOUT.

#### IMPORTANT

Only configure WITH valet card function when the vehicle is electrically pre-equipped with the valet option. Incorrect configuration may cause certain pieces of equipment to malfunction.

- check that the options configured are those desired and finish.

OTW\*: One-touch window(s)

#### Note:

After having finished the UCH configuration, run command **AC037 "TRANSMITTING AERIALS FAULT FINDING"** and check that there are no faults.



9) CONFIGURATION PROCEDURE FOR THE TYRE PRESSURE MONITOR FUNCTION (CF023)

CF023:  
TYRE PRESSURE MONITOR FUNCTION  
(in programming command SC008 "UCH type")

WRITING THE CONFIGURATION WITH OR WITHOUT TYRE PRESSURE MONITOR:

- Select the **Repair mode** menu.
- Select the **Programming** menu.
- Select line **SC008** then line **CF023**, then **With** or **Without**.
- Confirm the selection.
- Check that sure the configuration has been properly stored by checking the **Read configuration** menu at line **LC017 Tyre pressure monitor function**.

**IMPORTANT:**  
**CONFIGURATION INCONSISTENCY BETWEEN THE INSTRUMENT PANEL AND UCH**

|          |   |
|----------|---|
| 1st case | – The instrument panel detects that the tyre pressure monitor is programmed in the UCH but not its proper configuration. The message <b>ELECTRONIC FAULT</b> appears, then the <b>4 wheels disappear</b> on the instrument panel display, and the <b>Service</b> warning light comes on.  |
| 2nd case | – The instrument panel detects that the tyre pressure monitor is programmed in its own configuration but the UCH fails to respond to any requests from the instrument panel (not configured in UCH). The message <b>TYRE SENSOR FAULT</b> will appear, the <b>four wheels will disappear</b> from the instrument panel display and the <b>Service</b> warning light will come on. |

10) INSTRUMENT PANEL CONFIGURATION PROCEDURE (CF145)

CF145:  
TYRE PRESSURE MONITOR

- After the multiplex network test, select **Instrument panel**.
- Select **Repair mode**.
- Select **Write configuration**.
- Select line **CF145**, then **With** or **Without**.
- Confirm the selection.
- Check that the configuration has been properly stored in the **Read configuration** menu at line **LC056 Tyre pressure monitor**.

The UCH configurations performed in accordance with the vehicle's equipment level are configured using the CLIP tool:

| Configuration reading | Configuration                                 | Name of configuration          | Choice of configuration                 | Vdiag                     |
|-----------------------|---|--------------------------------|---|---------------------------|
| <b>LC001</b>          | Hands-free function                           | <b>SC008 UCH type</b>          | WITH/WITHOUT                            | 44, 48, 4C, 4D, 4F and 50 |
| <b>LC002</b>          | External temperature sensor                   | <b>CF029</b>                   | WITH/WITHOUT                            | 4C, 4D, 4F and 50         |
| <b>LC003</b>          | Deadlocking                                   | <b>CF009</b>                   | WITH/WITHOUT                            | 44, 48, 4C, 4D, 4F and 50 |
| <b>LC004</b>          | One-touch window(s)                           | <b>SC008 UCH type</b>          | WITH/WITHOUT                            | 4C and 4D                 |
| <b>LC005</b>          | Gearbox type                                  | <b>CF011</b>                   | Manual/<br>Automatic                    | 44, 48, 4C, 4D, 4F and 50 |
| <b>LC006</b>          | Rain detector                                 | <b>SC008 UCH type</b>          | WITH/WITHOUT                            | 44, 48, 4C, 4D            |
| <b>LC007</b>          | Light sensor                                  | <b>SC008 UCH type</b>          | WITH/WITHOUT                            | 44, 48, 4C, 4D            |
| <b>LC008</b>          | Daytime running lights                        | <b>CF014</b>                   | WITH/WITHOUT                            | 44, 48, 4C, 4D, 4F and 50 |
| <b>LC009</b>          | Hazard warning lights illuminated upon impact | <b>Automatic configuration</b> | WITH/WITHOUT                            | 44, 48, 4C, 4D            |
| <b>LC010</b>          | Tyre type Run flat tyre                       | <b>SC008 UCH type</b>          | WITH/WITHOUT                            | 44, 48, 4C, 4D, 4F and 50 |
| <b>LC011</b>          | Vehicle type                                  | <b>SC008 UCH type</b>          | Cabriolet/3-door/<br>All except E and C | 44, 48, 4C, 4D            |
| <b>LC012</b>          | Automatic relocking                           | <b>CF018</b>                   | WITH/WITHOUT                            | 44, 48, 4C, 4D            |
| <b>LC013</b>          | Type of air conditioning                      | <b>SC008 UCH type</b>          | Heating/<br>Automatic/<br>Manual        | 44, 48, 4C, 4D, 4F and 50 |
| <b>LC014</b>          | Type of driving style                         | <b>CF020</b>                   | LEFT-HAND/<br>RIGHT-HAND                | 44, 48, 4C, 4D, 4F and 50 |
| <b>LC015</b>          | Front fog lights                              | <b>CF021</b>                   | WITH/WITHOUT                            | 44, 48, 4C, 4D, 4F and 50 |
| <b>LC016</b>          | Valet card function                           | <b>SC008 UCH type</b>          | WITH/WITHOUT                            | 4C, 4D, 4F and 50         |

UCH configurations (continued):

| Configuration reading | Configuration                            | Name of configuration          | Choice of configuration    | Vdiag                     |
|-----------------------|--|--------------------------------|----------------------------|---------------------------|
| <b>LC017</b>          | Tyre Pressure Monitor Function           | <b>SC008 UCH type</b>          | WITH/WITHOUT               | 44, 48, 4C, 4D, 4F and 50 |
| <b>LC018</b>          | Hazard warning lights switched on by ABS | <b>CF024</b>                   | WITH/WITHOUT               | 44, 48, 4C, 4D, 4F and 50 |
| <b>LC019</b>          | Rear screen wiper park position control  | <b>Automatic configuration</b> | WITH/WITHOUT               | 44, 48, 4C, 4D            |
| <b>LC020</b>          | Factory fitted perimeter protection      | <b>SC008 UCH type</b>          | WITH/WITHOUT               | 4C, 4D, 4F and 50         |
| <b>LC021</b>          | Type of windscreen                       | <b>SC008 UCH type</b>          | TINTED/HEAT INSULATING     | 44, 48, 4C, 4D, 4F and 50 |
| <b>LC023</b>          | Engine type                              | <b>CF028</b>                   | F ENGINE/K ENGINE/M ENGINE | 44, 48, 4C, 4D, 4F and 50 |
| <b>LC025</b>          | See-me-home lighting                     | <b>CF032</b>                   | WITH/WITHOUT               | 44, 48, 4C, 4D            |
| <b>LC029</b>          | Selective door opening                   | <b>SC008 UCH type</b>          | WITH/WITHOUT               | 44, 48, 4C, 4D, 4F and 50 |
| <b>LC030</b>          | Heating resistor type                    | <b>SC008 UCH type</b>          | NONE/1000 W/ 1800 W        | 44, 48, 4C, 4D, 4F and 50 |
| <b>LC035</b>          | Child safety lock                        | <b>SC016 Child safety lock</b> | WITH/WITHOUT               | 4C, 4D, 4F and 50         |
|                       |  | <b>Automatic configuration</b> | WITH/WITHOUT               | 44 and 48                 |
| <b>LC041</b>          | New vehicle storage mode                 | <b>VP016</b>                   | ACTIVE/ INACTIVE           | 4F and 50                 |
| <b>LC044</b>          | Rain/light sensor                        | <b>SC008 UCH type</b>          | WITH/WITHOUT               | 4F and 50                 |
| <b>LC064</b>          | Rear screen wiper                        | <b>CF166</b>                   | WITH/WITHOUT               | 4F and 50                 |
| <b>LC070</b>          | One-touch window(s)/ sunroof             | <b>SC008 UCH type</b>          | WITH/WITHOUT               | 4F and 50                 |
| <b>LC122</b>          | Rear access aerials                      | <b>CF224</b>                   | WITH/WITHOUT               | 50                        |

T.O\*: Sunroof.

Specific UCH commands:

| Specific commands | Name of Specific command               | Vdiag                     |
|-------------------|--|---------------------------|
| SC001             | Reading the valve set and stored codes | 44, 48, 4C, 4D, 4F and 50 |
| SC002             | Programming the 4 valve codes          | 44, 48, 4C, 4D, 4F and 50 |
| SC003             | Spare                                  | 44, 48, 4C, 4D, 4F and 50 |
| SC004             | UCH programming                        | 44, 48, 4C, 4D, 4F and 50 |
| SC005             | Card check                             | 44, 48, 4C, 4D, 4F and 50 |
| SC006             | Card allocation                        | 44, 48, 4C, 4D, 4F and 50 |
| SC008             | Type of UCH                            | 44, 48, 4C, 4D, 4F and 50 |
| SC016             | Child safety lock                      | 4C, 4D, 4F and 50         |

| Tool fault | Diagnostic tool title                              | Vdiag                  |
|------------|--|------------------------|
| DF001      | UCH  | 44, 48, 4C, 4D, 4F, 50 |
| DF002      | Steering lock                                      |                        |
| DF003      | Clutch switch circuit'                             |                        |
| DF004      | Brake light switch circuit                         |                        |
| DF005      | Card   |                        |
| DF006      | Front left-hand wheel valve sensor                 |                        |
| DF007      | Front right-hand wheel valve sensor                |                        |
| DF008      | Rear right-hand wheel valve sensor                 |                        |
| DF009      | Rear left-hand wheel valve sensor                  |                        |
| DF010      | Steering column control unit circuit               |                        |
| DF011      | Rain/light sensor circuit                          |                        |
| DF012      | Right-hand direction indicator circuit             |                        |
| DF013      | Left-hand direction indicator circuit              |                        |
| DF014      | Card reader circuit                                |                        |
| DF015      | Optical sensor circuit                             |                        |
| DF016      | At least 2 identical codes/summer set              |                        |
| DF017      | At least 2 identical codes/winter set              |                        |
| DF018      | Programming of 4 codes in summer set not performed |                        |
| DF019      | Programming of 4 codes in winter set not performed |                        |
| DF020      | Front internal aerial circuit                      |                        |
| DF021      | Rear internal aerial circuit                       |                        |
| DF022      | Centre internal aerial circuit                     |                        |

# PASSENGER COMPARTMENT CONNECTION UNIT

## Fault finding - Fault summary table

**87B**

| Tool fault   | Diagnostic tool title                            | Vdiag                         |
|--------------|--|-------------------------------|
| <b>DF023</b> | Driver's side front external aerial circuit      | <b>44, 48, 4C, 4D, 4F, 50</b> |
| <b>DF024</b> | Passenger side front external aerial circuit     |                               |
| <b>DF025</b> | Driver's side rear external aerial circuit       |                               |
| <b>DF026</b> | Passenger side rear door external aerial circuit |                               |
| <b>DF027</b> | External temperature sensor circuit              |                               |
| <b>DF029</b> | Steering lock circuit                            |                               |
| <b>DF030</b> | Anti-locking line                                |                               |
| <b>DF031</b> | One-touch window connection                      |                               |
| <b>DF032</b> | Tailgate external aerial                         |                               |
| <b>DF033</b> | Driver-side external aerial(s)                   |                               |
| <b>DF034</b> | Passenger-side external aerial(s)                |                               |
| <b>DF035</b> | Internal aerial circuit                          |                               |
| <b>DF072</b> | Child safety lock circuit                        | <b>4D, 4F, 50</b>             |
| <b>DF073</b> | Right-hand door child safety lock circuit        |                               |
| <b>DF074</b> | Left-hand door child safety lock circuit         |                               |
| <b>DF075</b> | Timed supply circuit                             |                               |
| <b>DF147</b> | Steering column lock safety circuit              | <b>44, 48, 4C, 4D, 4F, 50</b> |
| <b>DF210</b> | Rear access aerial configuration                 | <b>50</b>                     |
| <b>DF319</b> | Front left-hand wheel pressure                   | <b>44, 48, 4C, 4D, 4F, 50</b> |
| <b>DF320</b> | Front right-hand wheel pressure                  |                               |
| <b>DF321</b> | Rear right-hand wheel pressure                   |                               |
| <b>DF322</b> | Rear left-hand wheel pressure                    |                               |

|                          |  |
|--------------------------|--|
| <b>DF001<br/>PRESENT</b> | <u>UCH</u><br>1.DEF: Internal electronic fault<br>2.DEF: Internal electronic fault |
|--------------------------|--|

|              |  |
|--------------|--|
| <b>NOTES</b> | <b>Conditions for applying the fault finding procedure to stored faults:</b><br>Lock/unlock the vehicle by pressing the button on the card.<br>If the fault appears, carry out this fault finding procedure. |
|              | <b>Special notes:</b><br>If a fault concerning the steering column lock is present or stored, deal with it first.  |

Contact the Techline.

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

UCH\_V44\_DF001P/UCH\_V48\_DF001P/UCH\_V4C\_DF001P/  
UCH\_V4D\_DF001P/UCH\_V4F\_DF001P/UCH\_V50\_DF001P

|                          |   |
|--------------------------|---|
| <b>DF002<br/>PRESENT</b> | <b><u>STEERING LOCK</u></b><br>1.DEF: Steering lock internal electronic fault<br>2.DEF: Steering column lock internal electronic fault<br>3.DEF: Mechanical fault on column<br>4.DEF: Steering column lock authentication fault<br>5.DEF: Steering column lock authentication fault<br>6.DEF: UCH internal electronic fault<br>7.DEF: Steering column lock internal electronic fault<br>8.DEF: Steering column lock internal electronic fault |
|--------------------------|---|

|              |   |
|--------------|---|
| <b>NOTES</b> | <b>Priorities when dealing with a number of faults:</b><br>Firstly, deal with fault <b>DF029 Steering column lock circuit</b> , if it is present. |
|              | <b>Special notes:</b><br>Attempt to apply <b>forced + after ignition feed</b> to update the faults.   |

|              |              |  |
|--------------|--------------|--|
| <b>1.DEF</b> | <b>NOTES</b> | Attempt to apply <b>forced + after ignition feed</b> to update the faults. |
|--------------|--------------|--|

If the fault is still present, replace the steering column lock.

|              |              |  |
|--------------|--------------|--|
| <b>2.DEF</b> | <b>NOTES</b> | Attempt to apply <b>forced + after ignition feed</b> to update the faults. |
|--------------|--------------|--|

Make another attempt to lock/unlock the column.  
If the fault is still present, replace the steering column lock.

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|



**DF002**  
**CONTINUED 1**

**3.DEF**

**NOTES**

Attempt to apply **forced + after ignition feed** to update the faults.

Release the column by turning the steering wheel, while pressing the start button.  
If the fault is still present without mechanical fault (with the wheels set straight ahead), replace the steering column lock.

**4.DEF**

**NOTES**

Attempt to apply **forced + after ignition feed** to update the faults.

The steering column lock does not belong to this vehicle (or the UCH and/or the cards do not belong to this vehicle).  
Ensure the conformity of the vehicle.  
If the fault is still present contact Techline.

**5.DEF**

**NOTES**

Attempt to apply **forced + after ignition feed** to update the faults.

The steering column lock does not belong to this vehicle (or the UCH and/or the cards do not belong to this vehicle).  
Ensure the conformity of the vehicle.  
If the fault is still present contact Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

**DF002**  
**CONTINUED 2**

**6.DEF**

**NOTES**

Attempt to apply **forced + after ignition feed** to update the faults.

Make another attempt to lock/unlock the column.  
If the fault is still present, replace the UCH.

**7.DEF**

**NOTES**

Attempt to apply **forced + after ignition feed** to update the faults.

If the vehicle is fitted with a Vdiag 0F ABS computer, or a Vdiag 0B or Vdiag 11 ABS/ESP computer: establish dialogue with the ABS or ABS/ESP computer and verify that **PR020 Vehicle speed on initialisation** is correctly configured. If the configuration is incorrect, use command **VP032 Vehicle speed on initialisation** to reconfigure the ABS or the ABS/ESP.

Make five attempts to start and lock the column.

If the fault is still present, replace the steering column lock.

**8.DEF**

**NOTES**

Attempt to apply **forced + after ignition feed** to update the faults.

Deal with **DF029 Steering column lock circuit** first.  
If the fault is still present, replace the steering column lock.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

|  |  |
|--|--|
| <b>DF003<br/>PRESENT<br/>OR<br/>STORED</b> | <u>CLUTCH SWITCH CIRCUIT</u><br>CO.1 : Short circuit or open circuit to + 12 V |
|--|--|

|              |  |
|--------------|--|
| <b>NOTES</b> | <b>Conditions for applying the fault finding procedure to a stored fault:</b><br>The fault appears after a road test at <b>speed &gt; 60 mph (100 km/h)</b> .<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |
|--------------|--|

|             |              |       |
|-------------|--------------|-------|
| <b>CO.1</b> | <b>NOTES</b> | None. |
|-------------|--------------|-------|

|   |
|---|
| Check the condition and connection of the <b>clutch switch connector</b> (tabs bent, broken, oxidised, etc.).<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.   |
| Check the condition and connection of the <b>PE1 connector of the UCH</b> (tabs bent, broken, oxidised, etc.).<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.  |
| Check the <b>insulation</b> and <b>continuity</b> against <b>+ 12 V</b> of the following connection:<br>● Connection code <b>26X</b> between components <b>645 and 675</b> .<br>If the connection is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace the wiring. |
| Check for an <b>earth</b> on connection <b>MAM</b> of component <b>675</b> .<br>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the connection, otherwise replace the wiring.  |
| If the connection is OK and <b>earth</b> is present, replace the clutch switch.   |
| If the fault is still present, contact the Techline.  |

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|  |                                   |
|--|-----------------------------------|
| <b>DF004<br/>PRESENT<br/>OR<br/>STORED</b> | <u>BRAKE LIGHT SWITCH CIRCUIT</u> |
|--|-----------------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | <p><b>Conditions for applying the fault finding procedure to a stored fault:</b><br/>The fault becomes present after 10 successive transitions of more than <b>1 second</b> between the released status and depressed status.</p> <p>Note:<br/>The fault could prevent cruise control/speed limiter operation.</p> |
|--------------|--|

Refer to the interpretation of status **ET047 Brake pedal position**.

|                     |  |
|---------------------|--|
| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
|---------------------|--|

|  |   |
|--|---|
| <b>DF005<br/>PRESENT<br/>OR<br/>STORED</b> | <u><b>CARD</b></u><br>1.DEF: Card battery low |
|--|---|

|              |              |  |
|--------------|--------------|--|
| <b>1.DEF</b> | <b>NOTES</b> | <b>Conditions for applying the fault finding procedure to stored faults:</b><br>Perform 5 start operations with each vehicle card. |
|--------------|--------------|--|

Check the condition of the **card battery** and that it is inserted the right way round.  
Replace the battery if necessary.  
After each battery change, check that the fault does not recur after 5 starts.

If the fault is still present, contact the Techline.

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|  |  |
|--|--|
| <p><b>DF006</b><br/><b>DF007</b><br/><b>DF008</b><br/><b>DF009</b></p> <p><b>PRESENT</b></p> | <p><u>FRONT LEFT-HAND WHEEL VALVE SENSOR</u><br/><u>FRONT RIGHT-HAND WHEEL VALVE SENSOR</u><br/><u>REAR RIGHT-HAND WHEEL VALVE SENSOR</u><br/><u>REAR LEFT-HAND WHEEL VALVE SENSOR</u></p> <p>2.DEF: Sensor internal electronic fault<br/>3.DEF: Sensor internal electronic fault<br/>4.DEF: Sensor internal electronic fault<br/>5.DEF: Sensor internal electronic fault<br/>6.DEF: Sensor internal electronic fault<br/>7.DEF: Sensor internal electronic fault<br/>8.DEF: Sensor internal electronic fault<br/>1.DEF: No sensor signal.</p> |
|--|--|

|                     |  |
|---------------------|--|
| <p><b>NOTES</b></p> | <p><b>Special notes:</b><br/>Any operation involving the replacement of a valve, or the removal of a tyre requires perfect knowledge of the precautions (see <b>MR 364 (Mégane II)</b> or <b>MR 370 (Scénic II), Mechanical, 35A, Wheels and tyres</b>).</p> <p>Before any operation, ensure that all the wheels have tyre pressure monitoring valves, and that the spare wheel has not been fitted.</p> |
|---------------------|--|

|  |  |
|--|--|
| <p>For faults <b>DF006</b> to <b>DF009</b>, if the fault is present during the first few kilometres, reprogram the 4 valves. In the event of a programming failure, replace the valve concerned (see <b>MR 364 (Mégane II)</b> or <b>MR 370 (Scénic II), Mechanical, 35B, Tyre pressure monitor system</b>)</p>  |  |
| <p>Check that there are no wheels with rubber valves. If there are, replace them with wheels with a valve fitted with a sensor and carry out a road test.<br/>If the fault is still present, program the 4 valves.</p>   |  |
| <p>If the fault is still present, replace the valve (see <b>MR 364 (Mégane II)</b> or <b>MR 370 (Scénic II), Mechanical, 35B, Tyre pressure monitor system</b>).</p> <p>The correspondence between fault numbers and the valve concerned is described below:</p> <ul style="list-style-type: none"> <li>– <b>DF006</b> Front left-hand wheel valve sensor,</li> <li>– <b>DF007</b> Front right-hand wheel valve sensor,</li> <li>– <b>DF008</b> Rear right-hand wheel valve sensor,</li> <li>– <b>DF009</b> Rear left-hand wheel valve sensor.</li> </ul> <p>Once the sensor has been replaced, program the four valve codes according to procedure <b>SC002 Programming the four valve codes</b> (see <b>Configurations and programming</b>).</p> |  |

|                            |  |
|----------------------------|--|
| <p><b>AFTER REPAIR</b></p> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
|----------------------------|--|

UCH\_V44\_DF006P/UCH\_V44\_DF007P/UCH\_V44\_DF008P/UCH\_V44\_DF009P/UCH\_V48\_DF006P/UCH\_V48\_DF007P/UCH\_V48\_DF008P/  
UCH\_V48\_DF009P/UCH\_V4C\_DF006P/UCH\_V4C\_DF007P/UCH\_V4C\_DF008P/UCH\_V4C\_DF009P/UCH\_V4D\_DF006P/  
UCH\_V4D\_DF007P/UCH\_V4D\_DF008P/UCH\_V4D\_DF009P/UCH\_V4F\_DF006P/UCH\_V4F\_DF007P/UCH\_V4F\_DF008P/  
UCH\_V4F\_DF009P/UCH\_V50\_DF006P/UCH\_V50\_DF007P/UCH\_V50\_DF008P/UCH\_V50\_DF009P

|   |   |
|---|---|
| <p><b>DF010<br/>PRESENT<br/>OR<br/>STORED</b></p> | <p><b><u>STEERING COLUMN SWITCH COMBINED CIRCUIT</u></b></p> <p>1.DEF: The combined stalk is not connected or not correctly connected (stalk or UCH side), not being supplied or has an internal electronic fault</p> <p>2.DEF: Combined stalk lighting function connection to UCH in open circuit or internal stalk fault</p> <p>3.DEF: Combined stalk wiping function connection to UCH in open circuit or internal stalk fault</p> <p>4.DEF: Combined stalk direction indicator function connection to UCH in open circuit or internal stalk fault</p> <p>5.DEF: Combined stalk trip computer function connection to UCH in open circuit or internal stalk fault</p> |
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| <p>1.DEF<br/>2.DEF<br/>3.DEF<br/>4.DEF<br/>5.DEF</p> | <p><b>NOTES</b></p> | <p><b>Conditions for applying the fault finding procedure to a stored fault:</b></p> <p>If the fault becomes present after an action on the stalk, then carry out this fault finding procedure.</p> <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
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Check the condition and connection of the **PE2 connector of the UCH** (tabs bent, broken, oxidised).  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the condition and connection of the **steering column control connector** (tabs bent, broken, oxidised, etc.).  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **insulation** and **continuity** of the following connections:

- Connection code **14 1B**,
- Connection code **14 1K**,
- Connection code **14 1C**,
- Connection code **141L**,
- Connection code **14 1D**,
- Connection code **14 1M**,
- Connection code **14 1G**,
- Connection code **14 1N**,
- Connection code **14 1H**,
- Connection code **14 1P**.

Between components **645** and **1519**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If these connections are sound, contact the Techline.

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| <p><b>AFTER REPAIR</b></p> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| <b>DF011<br/>PRESENT<br/>OR<br/>STORED</b> | <u>RAIN/LIGHT SENSOR CIRCUIT</u><br>1.DEF: Communication disrupted<br>2.DEF: Internal electronic fault |
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| <b>NOTES</b> | <p><b>Conditions for applying the fault finding procedure to a stored fault:</b><br/> Run the automatic wiper system and automatic light illumination system, then cover the sensor and/or place water on it.<br/> If the fault appears, carry out this fault finding procedure.<br/> <b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
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| <b>1.DEF</b> | <b>NOTES</b> | None. |
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For vehicles which were manufactured after June 2005, check the condition and connection of the sensor supply **7.5A fuse** located on the Protection and Switching Unit.  
Replace it if necessary.

Check the condition and connection of the sensor connector (bent, oxidised, broken tabs etc.).  
If the connector is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.

Check for an **earth** on connection **MAM** of component **1415**.  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check for **+ 12 V, BPT** connection of component **1415** (timed **+ 12 V before ignition feed** if the vehicle was manufactured after June 2005). If the connection is faulty and if there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace the wiring.  
Ensure the continuity and the insulation of the following connection:  
● Connection code **BPT** between components **645** and **1415**.  
If the connection is faulty and if there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace the wiring.  
Check for any intermediate connectors using the vehicle wiring diagram and repair if necessary.

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| DF011<br>CONTINUED |  |
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| Check the condition and connection of the PE2 connector of the UCH (tabs bent, broken, oxidised, etc.).<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.  |
| Check the <b>continuity and insulation</b> of the following connection:<br>● Connection code <b>14S</b> between components <b>645</b> and <b>1415</b> .<br>If the connection is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace the wiring. |
| If the fault is still present, contact the Techline.   |

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| 2.DEF | NOTES | None. |
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| Replace the sensor. |
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| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>DF012<br/>PRESENT<br/>OR<br/>STORED</b> | <u><b>RIGHT-HAND DIRECTION INDICATOR CIRCUIT</b></u><br>CO.0 : Open circuit or short circuit to earth<br>1.DEF: Bulbs not working or open circuit |
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| <b>NOTES</b> | <b>Conditions for applying the fault finding procedure to a stored fault:</b><br>If the fault appears after action on the right-hand direction indicator control stalk, apply this fault finding procedure. |
|              | <b>Special note:</b><br>The fault becomes stored after changing a bulb.<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b>  |

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| Check the <b>bulbs</b> .<br>Replace them, if necessary.   |
| Check the condition and <b>connection of the right-hand headlight connectors</b> of the <b>right-hand indicator repeater</b> and the <b>rear right-hand light</b> .<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring. |
| Check for <b>earth</b> on components <b>226</b> and <b>267</b> .<br>If the connection is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace the wiring.   |
| Check for <b>earth</b> on connection <b>MAQ</b> of component <b>172</b> .<br>If the connection is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace the wiring.  |
| With the command running, check for <b>+ 12 V</b> on connection <b>64D</b> of components <b>226</b> and <b>267</b> .<br>If the connection is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace the wiring.   |
| Check the condition and connection of <b>connector PP3</b> and <b>connector PP1</b> on the UCH.<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.   |
| Check the <b>insulation and continuity</b> of the following connection:<br>● Connection code <b>64D</b> , between components <b>645</b> and <b>172</b> .<br>If the connection is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace the wiring.               |
| If correct, check the connection between the UCH and front and rear lights (see wiring diagram), check the bulbs again and if still not correct, replace the rear lights(s).  |

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>DF013<br/>PRESENT<br/>OR<br/>STORED</b> | <u>LEFT-HAND DIRECTION INDICATOR CIRCUIT</u><br>CO.0 : Open circuit or short circuit to earth<br>1.DEF: Bulbs not working or open circuit |
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| <b>NOTES</b> | <b>Conditions for applying the fault finding procedure to a stored fault:</b><br>If the fault appears after action on the left-hand direction indicator control stalk, then apply this fault finding procedure. |
|              | <b>Special note:</b><br>The fault becomes stored after changing a bulb.<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b>  |

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| Check the <b>bulbs</b> .<br>Replace them, if necessary.   |
| Check the <b>condition and connection of the left-hand headlight connector</b> , the <b>left-hand repeater</b> and the <b>rear left-hand light</b> .<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.  |
| Check for <b>earth</b> on components <b>227</b> and <b>268</b> .<br>If the connection is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace the wiring.   |
| Check for <b>earth</b> on connection <b>MZ</b> of component <b>173</b> .<br>If the connection is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace the wiring.   |
| With the command running, check for <b>+ 12 V</b> on connection <b>64C</b> of components <b>227</b> and <b>268</b> .<br>If the connection is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace the wiring.   |
| Check the condition and connection of <b>connector PP3</b> and <b>connector PP2</b> on the UCH.<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.   |
| Check the <b>insulation and continuity</b> of the following connection:<br><ul style="list-style-type: none"> <li>● Connection code <b>64C</b> between components <b>645</b> and <b>173</b>.</li> </ul> If the connection is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace the wiring. |
| If correct, check the connection between the UCH and front and rear lights (see wiring diagram), check the bulbs again and if still not correct, replace the rear lights(s).  |

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>DF014<br/>PRESENT<br/>OR<br/>STORED</b> | <u><b>CARD READER CIRCUIT</b></u><br>CC.0 : Short circuit to earth<br>CO.0 : Open circuit or short circuit to earth<br>CC.1 : Short circuit to + 12 V<br>1.DEF: Internal electronic fault |
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| <b>NOTES</b> | <b>Conditions for applying the fault finding procedure to a stored fault:</b><br>Insert the card into the <b>card reader</b> , <b>switch on</b> and <b>switch off</b> the engine <b>leaving the card</b> in the card reader. Carry out fault finding on the card reader circuit <b>with the card in the card reader</b> (after the engine is switched off, the card reader is supplied and controlled for 20 min). |
|              | <b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b>  |
|              | Check for the presence of an anti-theft tracking unit.   |
|              | Check with the call centre whether the anti-theft tracking unit was activated.   |
|              | Deal first with the faults of the anti-theft tracking unit (See <b>82A, Immobiliser</b> ).   |

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| <b>CC.0</b> | <b>NOTES</b> | None. |
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| <p>Check the condition and connection of the <b>card reader connector</b>, component code <b>1082</b> (tabs bent, broken, oxidised, etc.).</p> <p>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>        |
| <p>Check the condition and connection of <b>connectors PE2 and PE1 of the UCH</b> (tabs bent, broken, oxidised, etc.), component code <b>645</b>.</p> <p>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p> |

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| DF014<br>CONTINUED 1 |  |
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If the vehicle **is not equipped** with an anti-theft tracking unit:

Check the **continuity**, **insulation** and the **absence of interference resistance** on the following connections:

- **26BG** between components **645** and **1082**,
- **26BD** between components **645** and **1082**,
- **26BH** between components **645** and **1082**.

If the connection or connections are faulty and if there is a repair method (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace the wiring.

Using the **oscilloscope**, check for a **square pulse signal** on connection **26BH of the card reader connector**:  
Connect the **oscilloscope** between connection **26BH of the connector** and a **bodywork earth**.  
Set the **oscilloscope** as: **Calibration at 5 V/division**  
**Time base 100 ms/division**  
Check **for a square pulse signal** from the UCH on connection **26BH of the card reader connector**.  
If there is no signal, replace the UCH.  
If there is a signal, replace the card reader.

If the fault is still present, contact the Techline.

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| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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DF014  
CONTINUED 2

If the vehicle **is equipped** with an anti-theft tracking unit:

Check the connection and condition of the **anti-theft tracking unit** connector, component code **2186**.  
If the connector is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.

Check the **continuity**, **insulation** and the **absence of interference resistance** on the following connections:

- **26BG** between components **645** and **1082**,
- **26BD** between components **645** and **1082**,
- **26BH** between components **645** and **2186**,
- **80AL** between components **2186** and **1082**.

If the connection or connections are faulty and if there is a repair method (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace the wiring.

Check the continuity between connections **26BH** and **80AL** of components **645** and **1082**.  
If the result is not correct, contact the Techline

Using the **oscilloscope**, check for a **square pulse signal** on connection **26BH of the card reader connector**:  
Connect the **oscilloscope** between connection **26BH of the connector** and a **bodywork earth**.  
Set the **oscilloscope** as: **Calibration at 5 V/division**  
**Time base 100 ms/division**  
Check **for a square pulse signal** from the UCH on connection **26BH of the card reader connector**.  
If there is no signal, replace the UCH.  
If there is a signal, replace the card reader.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

**DF014**  
**CONTINUED 3**

**CC.0**

**NOTES**

None.

Check the condition and connection of the **card reader connector**, component code **1082** (tabs bent, broken, oxidised, etc.).

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

Check the condition and connection of **connectors PE2 and PE1 of the UCH** (tabs bent, broken, oxidised, etc.), component code **645**.

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

Check for **+12 V** on connection **26BH** of the **card reader**.

Check for **earth** on connection **26BK** of the **card reader**.

If the connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

**DF014**  
**CONTINUED 4**

If the vehicle **is not equipped** with an anti-theft tracking unit:

Check the **continuity**, **insulation** and the **absence of interference resistance** on the following connections:

- **26BG** between components **645** and **1082**,
- **26BD** between components **645** and **1082**,
- **26BH** between components **645** and **1082**,
- **26BK** between components **645** and **1082**.

If the connection or connections are faulty and if there is a repair method (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace the wiring.

Replace the card reader if necessary.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.



**DF014**  
**CONTINUED 5**

If the vehicle **is equipped** with an anti-theft tracking unit:

Check the connection and condition of the **anti-theft tracking unit** connector, component code **2186**.  
If the connector is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.

Check the **continuity**, **insulation** and the **absence of interference resistance** on the following connections:

- **26BG** between components **645** and **1082**,
- **26BD** between components **645** and **1082**,
- **26BH** between components **645** and **2186**,
- **26BK** between components **645** and **2186**,
- **80AL** between components **2186** and **1082**.

If the connection or connections are faulty and if there is a repair method (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace the wiring.

Check the continuity between connections **26BH** and **80AL** of components **645** and **1082**.

If the result is not correct, contact the Techline.

Replace the card reader if necessary.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

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| <b>DF014</b><br><b>CONTINUED 6</b> |  |
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| <b>CC.1</b> | <b>NOTES</b> | None. |
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| <p>Check the condition and connection of the <b>card reader connector</b>, component code <b>1082</b> (tabs bent, broken, oxidised, etc.).<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check the condition and connection of <b>connectors PE2 and PE1</b> of the <b>UCH</b> (tabs bent, broken, oxidised, etc.), component code <b>645</b>.<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check for earth on connection <b>26BK of the card reader</b>.<br/>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring; otherwise replace it.</p>  |
| <p>Check the <b>insulation to +12 V</b> of the following connections:</p> <ul style="list-style-type: none"> <li>● <b>26BG</b> between components <b>645</b> and <b>1082</b>,</li> <li>● <b>26BD</b> between components <b>645</b> and <b>1082</b>,</li> <li>● <b>26BK</b> between components <b>645</b> and <b>1082</b>,</li> </ul> <p>If the connection or connections are faulty and if there is a repair method (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace the wiring.</p> |
| <p>Replace the card reader if necessary.</p>  |
| <p>If the fault is still present, contact the Techline.</p>   |

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| <b>1.DEF</b> | <b>NOTES</b> | None. |
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| <p>Replace the card reader if necessary.</p> |
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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| <b>DF015<br/>PRESENT<br/>OR<br/>STORED</b> | <u>OPTICAL SENSOR CIRCUIT</u><br>CC.0 : Short circuit to earth |
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| <b>NOTES</b> | <b>Conditions for applying the fault finding procedure to a stored fault:</b><br>Lock the vehicle and place your hand in each handle.<br>If the fault appears, carry out this fault finding procedure.<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |
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| <p>Check that <b>ET054 Optical sensors supplied</b> is <b>YES</b>. If status <b>ET054</b> remains <b>NO</b>, consult the interpretation of status <b>ET054</b>.</p> <p>Check the statuses of the sensors to determine which sensor is in short circuit: without a hand being placed inside the handles, the statuses must be <b>INACTIVE</b>.</p> <p><b>ET055 Driver's side optical sensor,</b><br/><b>ET056 Driver's rear optical sensor,</b><br/><b>ET057 Front/rear passenger optical sensor.</b></p> <p>If one of the statuses remains <b>ACTIVE</b>, disconnect the faulty sensor(s): if, after disconnection, the status returns to <b>INACTIVE</b>, replace the faulty sensor.</p> |
| <p>If a status remains <b>INACTIVE</b> after placing a hand inside the handle:<br/>Check for <b>+ 12 V</b> on connection <b>26BH</b> of the sensor(s).<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check the <b>insulation</b> and <b>continuity</b> of the following connection:</p> <ul style="list-style-type: none"><li>● Connection code <b>26P</b> between components <b>645</b> and <b>1084</b>.</li></ul> <p>If the connection is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace the wiring.</p>   |
| <p>Check the <b>insulation</b> and <b>continuity</b> of the following connection:</p> <ul style="list-style-type: none"><li>● Connection code <b>26P</b> between components <b>645</b> and <b>1086</b>.</li></ul> <p>If the connection is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace the wiring.</p>   |

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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**DF015**  
**CONTINUED**

Check **the insulation** and the **continuity** of the following connections:

- Connection code **26P** between components **645 and 1083**.

If the connection is faulty and if there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace the wiring.

Check **the insulation** and the **continuity** of the following connections:

- Connection code **26P** between components **645 and 1085**,

If the connection is faulty and if there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace the wiring.

If the connections are correct and the power supply is present, then replace the sensor concerned.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

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| <b>DF016</b><br><b>DF017</b><br><b>PRESENT</b> | <u>AT LEAST 2 IDENTICAL CODES/SUMMER SET</u><br><u>AT LEAST 2 IDENTICAL CODES/WINTER SET</u> |
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| <b>NOTES</b> | <b>Special notes:</b><br>Any operation involving the replacement of a valve, or removal of a tyre requires full knowledge of the specified precautions ( <b>Mégane II: see MR 364, Mechanical, 35B Tyre pressure monitoring system</b> ; Regarding <b>Scenic II: see MR 370, Mechanical, 35B Tyre pressure monitoring system</b> ).<br>Before any operation, ensure that all the wheels have tyre pressure monitoring valves, and that the spare wheel has not been fitted on the same axle assembly. |
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| <p>Fault <b>DF016 At least 2 identical codes/summer set</b> appears when at least two valve codes are identical in the summer wheel set (incorrect programming of four valve codes).<br/> In this case, restart programming of the four valves according to procedure <b>SC002 Programming of the four valve codes</b> (see <b>Configurations and programming</b>).</p> |
| <p>Fault <b>DF017 At least 2 identical codes/winter set</b> appears when at least two valve codes are identical in the winter wheel set (incorrect programming of four valve codes).<br/> In this case, restart programming of the four valves according to procedure <b>SC002 Programming of the four valve codes</b> (see <b>Configurations and programming</b>).</p> |

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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UCH\_V44\_DF016P/UCH\_V48\_DF016P/UCH\_V4C\_DF016P/UCH\_V4D\_DF016P/UCH\_V4F\_DF016P/UCH\_V50\_DF016P/  
UCH\_V44\_DF017P/UCH\_V48\_DF017P/UCH\_V4C\_DF017P/UCH\_V4D\_DF017P/UCH\_V4F\_DF017P/UCH\_V50\_DF017P

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| <b>DF018</b><br><b>DF019</b><br><b>PRESENT</b> | <u>PROGRAMMING OF 4 CODES IN SUMMER SET NOT PERFORMED</u><br><u>PROGRAMMING OF 4 CODES IN WINTER SET NOT PERFORMED</u> |
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| <b>NOTES</b> | <b>Special notes:</b><br>Any operation involving the replacement of a valve, or removal of a tyre requires full knowledge of the specified precautions (Mégane II: see <b>MR 364, Mechanical, 35B Tyre pressure monitoring system</b> ; Regarding <b>Scenic II</b> : see <b>MR 370, Mechanical, 35B Tyre pressure monitoring system</b> ).<br>Before any operation, ensure that all the wheels have tyre pressure monitoring valves, and that the spare wheel has not been fitted. |
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Fault **DF018: 4 summer set codes not programmed** is present if the UCH has not programmed a valve code for the summer tyre set (after replacing the sensors or UCH).

Fault **DF019: 4 winter set codes not programmed** is present if the UCH has not programmed a valve code for the winter tyre set and the winter tyre set is selected.

In the status menu, note the type of tyre set stored in the memory (summer or winter).

In the status menu, note the valve codes allocated for the type of tyre stored in the memory.

Program the four valve codes using the procedure **SC002 Programming the four valve codes** (see **Configurations and programming**).

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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UCH\_V44\_DF018P/UCH\_V48\_DF018P/UCH\_V4C\_DF018P/UCH\_V4D\_DF018P/UCH\_V4F\_DF018P/UCH\_V50\_DF018P/  
UCH\_V44\_DF019P/UCH\_V48\_DF019P/UCH\_V4C\_DF019P/UCH\_V4D\_DF019P/UCH\_V4F\_DF019P/UCH\_V50\_DF019P

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| DF020<br>PRESENT<br>OR<br>STORED | <u>FRONT INTERNAL AERIAL CIRCUIT</u><br>CO : Open circuit |
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| NOTES | <b>Conditions for applying the fault finding procedure to a stored fault:</b><br>Activation of command <b>AC037: Transmitter aerial fault finding</b> ; if the fault becomes present, then carry out this fault finding procedure.<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |
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| Check the condition and connection of the <b>front internal aerial connector</b> (tabs bent, broken, etc.). If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.  |
| Check the condition and connection of the <b>PE3 connector of the UCH</b> (tabs bent, broken, etc.). If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.   |
| Check the <b>insulation and continuity</b> of the following connections: <ul style="list-style-type: none"><li>● Connection code <b>26AT</b>,</li><li>● Connection code <b>26AU</b>.</li></ul> Between components <b>645 and 1396</b> .<br>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it. |
| Replace the aerial if necessary.  |
| If the fault is still present, contact the Techline.  |

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| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>DF021<br/>PRESENT<br/>OR<br/>STORED</b> | <u>REAR INTERNAL AERIAL CIRCUIT</u><br>CO : Open circuit |
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| <b>NOTES</b> | <p><b>Conditions for applying the fault finding procedure to a stored fault:</b><br/>Activation of command <b>AC037: Transmitter aerial fault finding</b>; if the fault becomes present, then carry out this fault finding procedure.<br/><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
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| <p>Check the condition and connection of the <b>rear internal aerial connector</b> (tabs bent, broken, etc.).<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check the condition and connection of the <b>PE3 connector of the UCH</b> (tabs bent, broken, etc.).<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check the <b>insulation and continuity</b> of the following connections:</p> <ul style="list-style-type: none"> <li>● Connection code <b>26AV</b>,</li> <li>● Connection code <b>26AW</b>.</li> </ul> <p>Between components <b>645 and 1397</b>.<br/>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>Replace the aerial if necessary.</p>   |
| <p>If the fault is still present, contact the Techline.</p>   |

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| <b>DF022<br/>PRESENT<br/>OR<br/>STORED</b> | <u>CENTRE INTERNAL AERIAL CIRCUIT</u><br>CO : Open circuit |
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| <b>NOTES</b> | <p><b>Conditions for applying the fault finding procedure to a stored fault:</b><br/>Activation of command <b>AC037: Transmitter aerial fault finding</b>; if the fault becomes present, then carry out this fault finding procedure.<br/><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
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| <p>Check the condition and connection of the <b>central internal aerial connector</b> (tabs bent, broken, etc.).<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check the condition and connection of the <b>PE3 connector of the UCH</b> (tabs bent, broken, etc.).<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check the <b>insulation and continuity</b> of the following connections:</p> <ul style="list-style-type: none"> <li>● Connection code <b>26AX</b>,</li> <li>● Connection code <b>26AY</b>.</li> </ul> <p>Between components <b>645 and 1398</b>.<br/>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>If the fault is still present, contact the Techline.</p>   |

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| <b>DF023<br/>PRESENT<br/>OR<br/>STORED</b> | <u>DRIVER'S SIDE FRONT EXTERNAL AERIAL CIRCUIT</u><br>CO : Open circuit |
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| <b>NOTES</b> | <b>Conditions for applying the fault finding procedure to a stored fault:</b><br>Activation of command <b>AC037: Transmitter aerial fault finding</b> ; if the fault becomes present, then carry out this fault finding procedure.<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |
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| Check the condition and connection of the <b>driver's side front door external aerial connector</b> (tabs bent, broken, etc.).<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.  |
| Check the condition and connection of the <b>PE3 connector of the UCH</b> (tabs bent, broken, etc.).<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.  |
| Check the <b>insulation and continuity</b> of the following connections: <ul style="list-style-type: none"><li>● Connection code <b>26AA</b>,</li><li>● Connection code <b>26AB</b>.</li></ul> Between components <b>645 and 1374</b> .<br>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it. |
| If the fault is still present, contact the Techline.  |

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>DF024<br/>PRESENT<br/>OR<br/>STORED</b> | <u>PASSENGER SIDE FRONT EXTERNAL AERIAL CIRCUIT</u><br>CO : Open circuit |
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| <b>NOTES</b> | <b>Conditions for applying the fault finding procedure to a stored fault:</b><br>Activation of command <b>AC037: Transmitter aerial fault finding</b> ; if the fault becomes present, then carry out this fault finding procedure.<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |
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| Check the condition and connection of the <b>passenger's side front door external aerial connector</b> (tabs bent, broken, etc.).<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.   |
| Check the condition and connection of the <b>PE3 connector of the UCH</b> (tabs bent, broken, etc.).<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.  |
| Check the <b>insulation and continuity</b> of the following connections: <ul style="list-style-type: none"><li>● Connection code <b>26AC</b>,</li><li>● Connection code <b>26AD</b>.</li></ul> Between components <b>645 and 1375</b> .<br>If the connection(s) is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it. |
| If the fault is still present, contact the Techline.  |

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>DF025<br/>PRESENT<br/>OR<br/>STORED</b> | <u>DRIVER'S SIDE REAR EXTERNAL AERIAL CIRCUIT</u><br>CO : Open circuit |
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| <b>NOTES</b> | <b>Conditions for applying the fault finding procedure to a stored fault:</b><br>Activation of command <b>AC037: Transmitter aerial diagnostic</b> ; if the fault appears, then carry out this fault finding procedure.<br>Check that configuration <b>CF097 Vehicle type</b> has been correctly performed.<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |
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| Check the condition and connection of the <b>driver's side rear door external aerial connector</b> (tabs bent, broken, etc.).<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.   |
| Check the condition and connection of the <b>PE3 connector of the UCH</b> (tabs bent, broken, etc.).<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.  |
| Check the <b>insulation and continuity</b> of the following connections: <ul style="list-style-type: none"><li>● Connection code <b>26AG</b>,</li><li>● Connection code <b>26AH</b>.</li></ul> Between components <b>645 and 1376</b> .<br>If the connection(s) is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it. |
| If the fault is still present, contact the Techline.  |

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>DF026<br/>PRESENT<br/>OR<br/>STORED</b> | <u>PASSENGER SIDE REAR EXTERNAL AERIAL CIRCUIT</u><br>CO : Open circuit |
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| <b>NOTES</b> | <b>Conditions for applying the fault finding procedure to a stored fault:</b><br>Activation of command <b>AC037: Transmitter aerial fault finding</b> ; if the fault becomes present, then carry out this fault finding procedure.<br>Check that configuration <b>CF097 Vehicle type</b> has been correctly performed.<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |
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| Check the condition and connection of the <b>passenger's side rear door external aerial connector</b> (tabs bent, broken, etc.).<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.  |
| Check the condition and connection of the <b>PE3 connector of the UCH</b> (tabs bent, broken, etc.).<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.  |
| Check the <b>insulation and continuity</b> of the following connections: <ul style="list-style-type: none"><li>● Connection code <b>26AL</b>,</li><li>● Connection code <b>26AH</b>.</li></ul> Between components <b>645 and 1377</b> .<br>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it. |
| If the fault is still present, contact the Techline.  |

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>DF027<br/>PRESENT<br/>OR<br/>STORED</b> | <u>EXTERNAL TEMPERATURE SENSOR CIRCUIT</u><br>CC.0 : Short circuit to earth<br>CO.1 : Short circuit or open circuit to + 12 V |
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| <b>NOTES</b> | <b>Conditions for applying the fault finding procedure to a stored fault:</b><br>The fault reappears as stored following the fault being cleared.<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |
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| <p>Check whether the passenger door mirror is fitted with a temperature sensor.<br/>           If <b>NO</b>, vehicle is not fitted with it; (if the vehicle is not fitted with an external temperature sensor, check that configuration <b>CF029 External temperature sensor</b> has been correctly configured as <b>WITHOUT</b>.<br/>           If <b>YES</b>, perform the following fault finding procedure.</p>  |
| <p>Check the temperature sensor connector (bent, oxidised, broken tabs).<br/>           If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check the <b>PE2 connector of the UCH</b> (tabs bent, broken, oxidised).<br/>           If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check the <b>insulation and continuity</b> of the following connections:</p> <ul style="list-style-type: none"> <li>● Connection code <b>47C</b>,</li> <li>● Connection code <b>47D</b>.</li> </ul> <p>Between components <b>645 and 240</b>.<br/>           If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| DF027<br>CONTINUED |  |
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Measure the **resistance** of component **240 (External temperature sensor)** between the following connections:

- Connection code **47C**,
- Connection code **47D**.

| Approximate temperature in °C |       | Sensor resistance in Ω |
|-------------------------------|-------|------------------------|
| between 0 and 5               | ————→ | between 5400 and 6200  |
| between 11 and 15             | ————→ | between 3700 and 4400  |
| between 21 and 25             | ————→ | between 2500 and 3000  |
| between 31 and 35             | ————→ | between 1700 and 2100  |

If the connection(s) are faulty and there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.  
Replace the sensor if necessary.

If the fault is still present, contact the Techline.

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>DF029<br/>PRESENT</b> | <p><b>STEERING LOCK CIRCUIT</b></p> <p>CC.1: Short circuit to <b>+ 12 V</b></p> <p>1.DEF: Open circuit (e.g. lock disconnected) or lock power supply absent</p> <p>2.DEF: Lock earth absent or multiplex network faulty (e.g. steering lock AE UCH connection)</p> <p>4.DEF: Short circuit to earth on the steering column lock sensor connection</p> <p>5.DEF: Open circuit on the steering column lock sensor connection</p> <p>6.DEF: Short circuit to <b>+ 12 V</b> on the steering column lock sensor connection</p> |
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| <b>NOTES</b> | <p><b>Special note:</b><br/>Attempt to apply <b>forced + after ignition feed</b> to update the faults.</p> |
|              | <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p>                               |
|              | <p>Check for the presence of an anti-theft tracking unit.</p>  |
|              | <p>Check with the call centre whether the anti-theft tracking unit was activated.</p>                      |
|              | <p>Deal first with the faults of the anti-theft tracking unit (See <b>82A, Immobiliser</b>).</p>           |

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| <b>CC.1</b> | <b>NOTES</b> | <p>Attempt to apply <b>forced + after ignition feed</b> to update the faults.</p> |
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| <p>Check the condition and connection of the <b>steering column lock connector</b>, component code <b>1088</b>.<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Electrical wiring repair: Wiring: Precautions for repair</b>), repair the connector, otherwise replace the wiring.</p>  |
| <p>Check the condition and connection of <b>connectors PE2 and PP2 on the UCH</b> and connector <b>PEH (UPC Vdiag 44) or CT1 (UPC Vdiag 48) on the UPC</b> (tabs bent, broken, etc.), component code 645.<br/>If the connector(s) is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector, otherwise replace the wiring.</p> |

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
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**DF029**  
**CONTINUED 1**

If the vehicle **is not equipped** with an anti-theft tracking unit:

Check the **continuity**, **insulation** and the **absence of interference resistance** on the following connections:

- **26I** between components **645** and **1088**,
- **26AZ** between components **645** and **1088**,
- **26BA** between components **645** and **1088**,
- **AP15** between components **1337** and **1088**.

If the connection or connections are faulty and if there is a repair method (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace the wiring.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

**DF029**  
**CONTINUED 2**

If the vehicle **is equipped** with an anti-theft tracking unit:

Check the connection and condition of the **anti-theft tracking unit** connector, component code **2186**.  
If the connector is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.

Check the **continuity, insulation** and the **absence of interference resistance** on the following connections:

- **26I** between components **645** and **2186**,
- **80AM** between components **2186** and **1088**,
- **26AZ** between components **645** and **1088**,
- **26BA** between components **645** and **1088**,
- **AP15** between components **1088** and **1337**,

If the connection or connections are faulty and if there is a repair method (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace the wiring.

Check the continuity between connections **26I** and **80AM** of components **645** and **1088**.

If the check is not correct, contact the Techline

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

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| <p><b>DF029</b><br/><b>CONTINUED 3</b></p> |  |
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| <p><b>1.DEF</b><br/><b>2.DEF</b></p> | <p><b>NOTES</b></p> | <p>Attempt to apply <b>forced + after ignition feed</b> to update the faults.</p> |
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| <p>Check the presence and condition of fuses <b>F5A</b> and <b>F5D</b> on the Protection and Switching Unit (UPC <b>Vdiag 44</b>) or <b>fuses F11 and F18 (UPC Vdiag 48 or later)</b>.<br/>If the fuse(s) is faulty, replace it.</p>   |
| <p>Check the condition and connection of the <b>steering column lock connector</b>, component code <b>1088</b>.<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check the condition and connection of connectors <b>PP2</b> and <b>PE2 on the UCH and connector PEH (UPC Vdiag 44) or CT1 (UPC Vdiag 48 or later) on the Protection and Switching Unit</b> (tabs bent, broken, etc.), component code <b>645</b>.<br/>If the connector(s) is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector, otherwise replace the wiring.</p> |
| <p>Check <b>the insulation and continuity</b> of the following connection:<br/> <ul style="list-style-type: none"> <li>● <b>NAM</b> between component <b>1088</b> and <b>earth</b>.</li> </ul> If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p>   |

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| <p><b>AFTER REPAIR</b></p> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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DF029  
CONTINUED 4

If the vehicle **is not equipped** with an anti-theft tracking unit:

Check the **continuity, insulation** and the **absence of interference resistance** on the following connections:

- **26I** between components **645** and **1088**,
- **26AZ** between components **645** and **1088**,
- **26BA** between components **645** and **1088**.

If the connection or connections are faulty and if there is a repair method (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace the wiring.

Check for **+12 V** on connection **AP15** of component **1088**.

Check the **insulation, continuity** and the **absence of interference resistance** on connection **AP15** between components **1337** and **1088**.

If any of the connections are faulty, and if there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

With the ignition on, check for **+ 12 V** on connection **APCB** of component **645**.

Check the **insulation, continuity and the absence of interference resistance** on connection **APCB** between components **1337** and **645**.

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

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

**DF029**  
**CONTINUED 5**

If the vehicle **is equipped** with an anti-theft tracking unit:

Check the connection and condition of the **anti-theft tracking unit** connector, component code **2186**.  
If the connector is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.

Check the **continuity, insulation** and the **absence of interference resistance** on the following connections:

- **26I** between components **645** and **2186**,
- **80AM** between components **2186** and **1088**,
- **26AZ** between components **645** and **1088**,
- **26BA** between components **645** and **1088**.

If the connection or connections are faulty and if there is a repair method (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace the wiring.

Check the continuity between connections **26I** and **80AM** of components **645** and **1088**.

If the result is not correct, contact the Techline.

Check for **+12 V** on connection **AP15** of component **1088**.

Check the **insulation, continuity** and the **absence of interference resistance** on connection **AP15** between components **1337** and **1088**.

If any of the connections are faulty, and if there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

With the ignition on, check for **+ 12 V** on connection **APCB** of component **645**.

Check the **insulation, continuity and the absence of interference resistance** on connection **APCB** between components **1337** and **645**.

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

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

**DF029**  
**CONTINUED 6**

**4.DEF**  
**5.DEF**  
**6.DEF**

**NOTES**

Attempt to apply **forced + after ignition feed** to update the faults.

Check the condition and connection of the **steering column lock connector**, component code **1088** (tabs bent, broken, etc.).

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

Check the condition and connection of the **PE1 connector** on the **UCH**, component code **645** (tabs bent, broken, etc.).

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

Check the **continuity** and **insulation** of the following connection:

- **26J** between components **645** and **1088**.

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

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

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| <b>DF030<br/>PRESENT</b> | <u>ANTI-LOCKING LINE</u><br>CO : Open circuit |
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| <b>NOTES</b> | Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
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| <b>CO.1</b> | <b>NOTES</b> | None. |
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| <p>Check the condition and connection of the <b>steering column lock connector</b> (tabs bent, broken).<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check the presence and condition of the <b>F5D fuse</b> on the UPC (Vdiag 44 UPC) or the <b>F18 fuse</b> (Vdiag 48 UPC or later). Replace the fuse if it is faulty.</p>  |
| <p>Check the condition and connection of connector PEH (UPC Vdiag 44) or connector CT1 (UPC Vdiag 48) of the UPC (bent or broken tabs, etc.).<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check the <b>insulation and continuity</b> of the following connection:<br/> <ul style="list-style-type: none"> <li>● Connection code <b>AP15</b> between components <b>645 and 1088</b>.</li> </ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> </p> |
| <p>If the fault is still present, contact the Techline.</p>   |

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| <b>DF031<br/>PRESENT<br/>OR<br/>STORED</b> | <u>ONE TOUCH WINDOW CONNECTION</u><br>CC.1 : Short circuit to + 12 V<br>CO.0 : Open circuit or short circuit to earth |
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| <b>NOTES</b> | <b>Conditions for applying the fault finding procedure to a stored fault:</b><br>If the fault becomes present after a one-touch window has been activated, then apply this fault finding procedure.  |
|              | <b>Special note:</b> If the vehicle is not fitted with one-touch windows, ignore this fault. Refer to the information about Electric windows in the <b>Fault finding chart</b> section.<br>If the vehicle has <b>Mégane II ph2</b> bodywork: see <b>MR 366 Fault finding, 87D, Electric windows - Sunroof</b> .<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |

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| Check the condition and connection of the <b>electric window connector</b> (tabs bent, broken, etc.).<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.   |
| Check the condition and connection of the <b>connector PE2 of the UCH</b> (tabs bent, broken, etc.).<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.  |
| Check the <b>insulation</b> and <b>continuity</b> of the following connection:<br>● Connection code <b>21K</b> .<br>Between components:<br>– <b>645 and 202</b> ,<br>– <b>645 and 203</b> ,<br>– <b>645 and 204</b> ,<br>– <b>645 and 304</b> .<br>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it. |
| If the fault is still present, contact the Techline.  |

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>DF032<br/>PRESENT<br/>OR<br/>STORED</b> | <u><b>BOOT EXTERNAL AERIAL</b></u><br>CO.1 : Short circuit or open circuit to + 12 V |
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| <b>NOTES</b> | <p><b>Conditions for applying the fault finding procedure to a stored fault:</b><br/>Activation of command <b>AC037: Transmitter aerial fault finding</b>; if the fault becomes present, then carry out this fault finding procedure.</p> <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
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| <p>Check the condition and connection of the <b>external boot aerial connector</b> (tabs bent, broken, etc.).<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check the condition and connection of the <b>PE3 connector of the UCH</b> (tabs bent, broken, etc.).<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check <b>the insulation</b> and the <b>continuity</b> of the following connections:</p> <ul style="list-style-type: none"> <li>● Connection code <b>26AM</b>,</li> <li>● Connection code <b>26AN</b>.</li> </ul> <p>Between components <b>645 and 1378</b>.<br/>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>Replace the aerial if necessary.</p>  |
| <p>If the fault is still present, contact the Techline.</p>  |

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| <b>DF033<br/>PRESENT<br/>OR<br/>STORED</b> | <u>DRIVER'S SIDE EXTERNAL AERIAL(S)</u><br>CO.1 : Short circuit or open circuit to + 12 V |
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| <b>NOTES</b> | <p><b>Conditions for applying the fault finding procedure to a stored fault:</b><br/>Activation of command <b>AC037: Transmitter aerial diagnostic</b>; if the fault appears, then carry out this fault finding procedure.</p> <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
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| <p>Check the condition and connection of the driver's side external aerial <b>connector</b> (tabs bent, broken, etc.).<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check the condition and connection of the <b>PE3 connector</b> of the <b>UCH</b> (tabs bent, broken, etc.).<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check <b>the insulation</b> and the <b>continuity</b> of the following connections:</p> <ul style="list-style-type: none"> <li>● Connection code <b>26AA</b>,</li> <li>● Connection code <b>26AB</b>,</li> <li>● Connection code <b>26AH</b>,</li> <li>● Connection code <b>26AG</b>.</li> </ul> <p>Between components:</p> <ul style="list-style-type: none"> <li>– <b>645 and 1374</b>,</li> <li>– <b>645 and 1376</b>.</li> </ul> <p>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>Disconnect one aerial then the other to identify which is the cause of the fault.<br/>(The aerials are connected by side, a short circuit in one aerial affects all the aerials on the same side).<br/>Replace the aerial if necessary.</p>   |
| <p>If the fault is still present, contact the Techline.</p>  |

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| <b>DF034<br/>PRESENT<br/>OR<br/>STORED</b> | <u>PASSENGER SIDE EXTERNAL AERIAL(S)</u><br>CO.1 : Short circuit or open circuit to + 12 V |
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| <b>NOTES</b> | <p><b>Conditions for applying the fault finding procedure to a stored fault:</b><br/>Activation of command <b>AC037: Transmitter aerial fault finding</b>; if the fault becomes present, then carry out this fault finding procedure.<br/><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
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| <p>Check the condition and connection of the <b>passenger's side external aerial connector</b> (tabs bent, broken, etc.).<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check the condition and connection of the <b>PE3 connector</b> of the <b>UCH</b> (tabs bent, broken, etc.).<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check <b>the insulation</b> and the <b>continuity</b> of the following connections:</p> <ul style="list-style-type: none"> <li>● Connection code <b>26AC</b>,</li> <li>● Connection code <b>26AD</b>,</li> <li>● Connection code <b>26AL</b>,</li> <li>● Connection code <b>26AK</b>.</li> </ul> <p>Between components:</p> <ul style="list-style-type: none"> <li>– <b>645 and 1375</b>,</li> <li>– <b>645 and 1377</b>.</li> </ul> <p>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>Disconnect one aerial then the other to identify which is the cause of the fault.<br/>(The aerials are connected by side, a short circuit in one aerial affects all the aerials on the same side).<br/>Replace the aerial if necessary.</p>   |
| <p>If the fault is still present, contact the Techline.</p>  |

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| <b>DF035<br/>PRESENT<br/>OR<br/>STORED</b> | <u><b>INTERNAL AERIALS CIRCUIT</b></u><br>CO.1 : Short circuit or open circuit to + 12 V |
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| <b>NOTES</b> | <p><b>Conditions for applying the fault finding procedure to a stored fault:</b><br/>Activation of command <b>AC037: Transmitter aerial fault finding</b>; if the fault becomes present, then carry out this fault finding procedure.<br/><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
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| <p>Check the condition and connection of the <b>front internal aerial connector</b> (tabs bent, broken, etc.).<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check the condition and connection of the <b>PE3 connector</b> of the <b>UCH</b> (tabs bent, broken, etc.).<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check the <b>continuity</b> and <b>insulation to earth</b> of the following connections:</p> <ul style="list-style-type: none"> <li>● Connection code <b>26AT</b>,</li> <li>● Connection code <b>26AU</b>,</li> <li>● Connection code <b>26AX</b>,</li> <li>● Connection code <b>26AY</b>,</li> <li>● Connection code <b>26AV</b>,</li> <li>● Connection code <b>26AW</b>.</li> </ul> <p>Between components:</p> <ul style="list-style-type: none"> <li>– <b>645 and 1375</b>,</li> <li>– <b>645 and 1377</b>.</li> </ul> <p>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>Disconnect the aerials one by one to identify which is the cause of the fault.<br/>(The 3 aerials are interconnected in the UCH, a short circuit in one aerial affects all the aerials).<br/>Replace the aerial if necessary.</p>  |
| <p>If the fault is still present, contact the Techline.</p>   |

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| <b>DF072<br/>PRESENT<br/>OR<br/>STORED</b> | <u>CHILD SAFETY LOCK CIRCUIT</u><br>CC : Short circuit<br>CO : Open circuit |
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| <b>CO<br/>CC</b> | <b>NOTES</b><br><br>If <b>DF074 Left-hand door child safety lock circuit</b> and <b>DF073 Right-hand door child safety lock circuit</b> are present, reconfigure the child safety lock function using the special command <b>SC016 Child safety lock</b> (see <b>Configurations and programming</b> ).<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |
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| <p>Check the condition and connection of the child safety lock switch connector.<br/>           If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check for <b>+ 12 V</b> on connection <b>BPT</b> of component <b>135</b>.<br/>           Check for <b>+ after ignition feed</b> on connection <b>AP43</b> of component <b>135</b>.<br/>           If the connection is faulty and there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p>   |
| <p>Check for <b>earth</b> on connection <b>MAM</b> of component <b>135</b>.<br/>           If the connection(s) are faulty and there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p>   |
| <p>Check the condition and connection of <b>connector PE1 on the UCH</b>.<br/>           If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check the <b>insulation and continuity</b> of the following connections:</p> <ul style="list-style-type: none"> <li>● Connection code <b>20AL</b>,</li> <li>● Connection code <b>20AP43</b>.</li> </ul> <p>Between components <b>645</b> and <b>135</b>.<br/>           If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>If the fault is still present, contact the Techline.</p>  |

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>DF073<br/>PRESENT<br/>OR<br/>STORED</b> | <u>RIGHT-HAND DOOR CHILD SAFETY LOCK CIRCUIT</u><br>CC : Short circuit<br>CO : Open circuit |
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| <b>CO/<br/>CC</b> | <b>NOTES</b> | If <b>DF072 Child safety lock circuit</b> is present, reconfigure the <b>child safety</b> function using special command <b>SC016 Child safety lock</b> (see <b>Configurations and programming</b> ).<br>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b> . |
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| <p>Check the condition and connection of the child safety lock switch connector.<br/>           If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check for <b>+ 12 V</b> on connection <b>BPT</b> of component <b>135</b>.<br/>           Check for <b>+ after ignition feed</b> on connection <b>AP43</b> of component <b>135</b>.<br/>           If the connection(s) are faulty and there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>Check for <b>earth</b> on connection <b>MAM</b> of component <b>135</b>.<br/>           If the connection is faulty and there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p>   |
| <p>Check the condition and connection of the <b>UCH PE1 and PP2 connectors</b>.<br/>           If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check the <b>insulation and continuity</b> of the following connection:</p> <ul style="list-style-type: none"> <li>● Connection code <b>20AL</b> between components <b>645 and 135</b>.</li> </ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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DF073  
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Check the **insulation and continuity** of the following connection:

- Connection code **AP43** between components **645 and 1337**.

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

Check the **insulation and continuity** of the following connection:

- Connection code **20W** between components **645 and 138**.

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

If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

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| <b>DF074<br/>PRESENT<br/>OR<br/>STORED</b> | <u>LEFT-HAND DOOR CHILD SAFETY LOCK CIRCUIT</u><br>CC : Short circuit<br>CO : Open circuit |
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| <b>CO/<br/>CC</b> | <b>NOTES</b> | <b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |
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| <p>Check the condition and connection of the child safety lock switch connector.<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check for <b>+ 12 V</b> on connection <b>BPT</b> of component <b>135</b>.<br/>Check for <b>+ after ignition feed</b> on connection <b>AP43</b> of component <b>135</b>.<br/>If the connection(s) are faulty and there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>Check for <b>earth</b> on connection <b>MAS</b> of component <b>135</b>.<br/>If the connection is faulty and there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p>  |
| <p>Check the condition and connection of the <b>UCH PE1 and PP2 connectors</b>.<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check the <b>insulation and continuity</b> of the following connection:<br/>● Connection code <b>20AL</b>,<br/>between components <b>645 and 135</b>.<br/>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p>                       |
| <p>Check the <b>insulation and continuity</b> of the following connection:<br/>● Connection code <b>AP43</b>,<br/>between components <b>645 and 1337</b>.<br/>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p>                      |
| <p>Check the <b>insulation and continuity</b> of the following connection:<br/>● Connection code <b>20BD</b>,<br/>between components <b>645 and 138</b>.<br/>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p>                       |
| <p>If the fault is still present, contact the Techline.</p>  |

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| <b>DF075<br/>PRESENT<br/>OR<br/>STORED</b> | <u><b>TIMED SUPPLY CIRCUIT</b></u><br>CC : Short circuit |
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| <b>NOTES</b> | After <b>unlocking</b> , opening a door causes timed supply, which is indicated by the starting switch on the instrument panel lighting up.<br>Before any check on the UCH connections, unlock the vehicle.<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |
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| Check the condition and connection of the <b>connectors</b> on the <b>UCH</b> and the <b>connectors on the UPC</b> .<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring. |
| Check for <b>+ 12 V</b> on connection <b>BPT</b> of component <b>645</b> .<br>If the connection is faulty and there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it.   |
| Check for <b>earth</b> on connection <b>NAM</b> of component <b>645</b> .<br>If the connection is faulty and there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it.  |
| If the fault is still present, contact the Techline.   |

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>DF147<br/>PRESENT</b> | <u>STEERING COLUMN LOCK SAFETY CIRCUIT</u> |
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| <b>NOTES</b> | <b>Priorities when dealing with a number of faults:</b><br>Firstly, deal with fault <b>DF029 STEERING COLUMN LOCK CIRCUIT</b> , if it is present.                           |
|              | <b>Special note:</b><br>Attempt to apply <b>forced + after ignition feed</b> to update the faults.<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |

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| Check the condition and connection of the <b>steering column lock connector</b> .<br>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.   |
| Check the condition and connection of <b>connectors PE1 and PP2 of the UCH</b> .<br>If the connector(s) is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector, otherwise replace the wiring.  |
| Check the <b>insulation and continuity</b> of the following connections: <ul style="list-style-type: none"> <li>● Connection code <b>26I</b>.</li> <li>● Connection code <b>26J</b>.</li> </ul> Between components <b>645</b> and <b>1088</b> .<br><br>If the connection(s) is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, wiring: precautions for repair</b> ), repair the wiring, otherwise replace it. |
| Ensure the continuity and the insulation of the following connection: <ul style="list-style-type: none"> <li>● Connection code <b>NAM</b> between component <b>1088</b> and <b>earth</b>.</li> </ul> If the connection is faulty and there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it.  |
| If the fault is still present, replace the <b>UCH</b> .  |

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>DF210<br/>PRESENT<br/>OR<br/>STORED</b> | <u><b>REAR ACCESS AERIAL CONFIGURATION</b></u><br>1.DEF: Incorrect vehicle configuration |
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|--------------|---|
| <b>NOTES</b> | <b>Conditions for applying the fault finding procedure to stored faults:</b><br>Run command <b>AC037 Transmitter aerial fault finding</b> .<br>if the fault appears as present, carry out this fault finding procedure. |
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**Reconfigure the rear access aerals to "WITHOUT" using command CF224 "Rear Access Aerials".**

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>DF319</b><br><b>DF320</b><br><b>DF321</b><br><b>DF322</b><br><b>PRESENT</b> | <u>FRONT LEFT-HAND WHEEL TYRE PRESSURE</u><br><u>FRONT RIGHT-HAND WHEEL TYRE PRESSURE</u><br><u>REAR RIGHT-HAND WHEEL TYRE PRESSURE</u><br><u>REAR LEFT-HAND WHEEL TYRE PRESSURE</u><br><br>1.DEF: Over-inflation<br>2.DEF: Under-inflation<br>3.DEF: Puncture |
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| <b>NOTES</b> | The system is likely to generate false warnings of a puncture or under-inflation |
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Deflate the wheel by approximately **500 mbar**, then reinflate this wheel to the nominal pressure.

If the fault is still present, contact Techline.

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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UCH\_V44\_DF319P/UCH\_V48\_DF319P/UCH\_V4C\_DF319P/UCH\_V4D\_DF319P/UCH\_V4F\_DF319P/UCH\_V50\_DF319P  
UCH\_V44\_DF320P/UCH\_V48\_DF320P/UCH\_V4C\_DF320P/UCH\_V4D\_DF320P/UCH\_V4F\_DF320P/UCH\_V50\_DF320P  
UCH\_V44\_DF321P/UCH\_V48\_DF321P/UCH\_V4C\_DF321P/UCH\_V4D\_DF321P/UCH\_V4F\_DF321P/UCH\_V50\_DF321P  
UCH\_V44\_DF322P/UCH\_V48\_DF322P/UCH\_V4C\_DF322P/UCH\_V4D\_DF322P/UCH\_V4F\_DF322P/UCH\_V50\_DF322P

**Note:**  
Certain statuses and parameter do not affect all the Vdiags.

**NOTES**

Only carry out this conformity check after a **complete check** with the **diagnostic tool** (fault reading and configuration checks).  
**Application condition:** engine stopped, + after ignition feed present.

**MAIN COMPUTER STATUSES AND PARAMETERS**

| Sub-function | Parameter or Status checked | Action   | Display and Notes                                  | Fault finding  |
|--------------|-----------------------------|--|--|--|
| UCH          | <b>PR001:</b>               | Battery voltage                                    | <b>9 V &lt; X &lt; 16 V</b>                        | <b>In the event of a fault, consult</b> the interpretation of parameter <b>PR001</b> . |
|              | <b>ET014:</b>               | Control power level                                | <b>NONE<br/>ACCESSORIES FEED<br/>TIMED<br/>APC</b> | None   |
|              | <b>ET087:</b>               | One-touch window control/<br>SR.*<br>authorisation | <b>ACTIVE<br/>INACTIVE</b>                         | In the event of a fault, refer to <b>the interpretation of status ET087</b> .          |
|              | <b>ET098:</b>               | ADAC* button                                       | <b>DEPRESSED<br/>RELEASED</b>                      | <b>In the event of a fault, consult</b> the interpretation of status <b>ET098</b> .    |
|              | <b>ET195:</b>               | UCH frequency (IN MHz)                             | <b>315<br/>433</b>                                 | None   |
|              | <b>ET205:</b>               | Type of UCH RF aerial                              | <b>INTERNAL<br/>EXTERNAL</b>                       | None   |
|              | <b>ET010:</b>               | Card frequency (in MHz)                            | <b>315<br/>433</b>                                 | None   |

SR.\*: sunroof.

**NOTES**

Only carry out this conformity check after a **complete check** with the **diagnostic tool** (fault reading and configuration checks).  
**Application condition:** engine stopped, + after ignition feed present.

**KEYLESS VEHICLE FUNCTION**

Sub-function: Access

| Sub-function | Parameter or Status checked | Action                           | Display and Notes  | Fault finding  |
|--------------|-----------------------------|----------------------------------|--------------------|--|
| Access       | <b>PR013:</b>               | Number of cards programmed       | 1<br>2<br>3<br>4   | None   |
|              | <b>ET010:</b>               | Card frequency (in MHz)          | 315<br>433         | None   |
|              | <b>ET195:</b>               | UCH frequency (in MHz)           | 315<br>433         | None   |
|              | <b>ET205:</b>               | Type of UCH RF* aerial           | INTERNAL           | None   |
|              | <b>ET066:</b>               | Card detected button             | YES<br>NO          | In the event of a fault, consult the interpretation of status <b>ET066</b> . |
|              | <b>ET067:</b>               | Card button press recognised     | YES<br>NO          | In the event of a fault, consult the interpretation of status <b>ET067</b> . |
|              | <b>ET054:</b>               | Optical sensors supplied         | YES<br>NO          | In the event of a fault, consult the interpretation of status <b>ET054</b> . |
|              | <b>ET055:</b>               | Front driver side optical sensor | ACTIVE<br>INACTIVE | In the event of a fault, consult the interpretation of status <b>ET055</b> . |

RF\*: Radio frequency.

**NOTES**

Only carry out this conformity check after a **complete check** with the **diagnostic tool** (fault reading and configuration checks).  
**Application condition:** engine stopped, + after ignition feed present.

**KEYLESS VEHICLE FUNCTION**  
Sub-function: Access (continued 1):

| Sub-function | Parameter or Status checked | Action                                    | Display and Notes             | Fault finding   |
|--------------|-----------------------------|---|-------------------------------|---|
| Access       | <b>ET056:</b>               | Rear driver side optical sensor           | <b>ACTIVE<br/>INACTIVE</b>    | In the event of a fault, <b>consult</b> the interpretation of status <b>ET056</b> . |
|              | <b>ET057:</b>               | Passenger side front/rear optical sensor  | <b>ACTIVE<br/>INACTIVE</b>    | In the event of a fault, <b>consult</b> the interpretation of status <b>ET057</b> . |
|              | <b>ET058:</b>               | Lckg* button on driver's side handles     | <b>DEPRESSED<br/>RELEASED</b> | In the event of a fault, <b>consult</b> the interpretation of status <b>ET058</b> . |
|              | <b>ET059:</b>               | Lckg* buttons on passenger's side handles | <b>DEPRESSED<br/>RELEASED</b> | In the event of a fault, <b>consult</b> the interpretation of status <b>ET059</b> . |
|              | <b>ET060:</b>               | Tailgate locking button                   | <b>DEPRESSED<br/>RELEASED</b> | In the event of a fault, <b>consult</b> the interpretation of status <b>ET060</b> . |
|              | <b>ET086:</b>               | Electric child safety lock                | <b>ACTIVE<br/>INACTIVE</b>    | <b>Signal interpreted if vehicle configured WITH Child safety lock.</b>             |
|              | <b>ET053:</b>               | Driver's door                             | <b>OPEN<br/>CLOSED</b>        | In the event of a fault, refer to the interpretation of status <b>ET053</b> .       |
|              | <b>ET042:</b>               | Passenger door                            | <b>OPEN<br/>CLOSED</b>        | In the event of a fault, refer to the interpretation of status <b>ET042</b> .       |
|              | <b>ET194:</b>               | Passenger's door or bonnet                | <b>OPEN<br/>CLOSED</b>        | In the event of a fault, refer to the interpretation of status <b>ET042</b> .       |
|              | <b>ET051:</b>               | Rear left-hand door                       | <b>OPEN<br/>CLOSED</b>        | In the event of a fault, refer to the interpretation of status <b>ET051</b> .       |
|              | <b>ET052:</b>               | Rear right-hand door                      | <b>OPEN<br/>CLOSED</b>        | In the event of a fault, refer to the interpretation of status <b>ET052</b> .       |

\*lckg: Locking

**NOTES**

Only carry out this conformity check after a **complete check** with the **diagnostic tool** (fault reading and configuration checks).  
**Application condition:** engine stopped, + after ignition feed present.

**KEYLESS VEHICLE FUNCTION**  
Sub-function: Access (continued 2)

| Sub-function | Parameter or Status checked | Action                                       | Display and Notes  | Fault finding  |
|--------------|-----------------------------|--|--|--|
| Access       | ET061:                      | Open tailgate request                        | <b>PRESENT</b> = Tailgate opening button pressed.<br><b>ABSENT</b> = Button not pressed. | In the event of a fault, <b>refer to the interpretation of status ET061.</b> |
|              | ET050:                      | Tailgate/Boot                                | <b>OPEN</b><br><b>CLOSED</b>   | In the event of a fault, <b>consult the interpretation of status ET050.</b>  |
|              | ET062:                      | Open rear screen request                     | <b>ABSENT</b><br><b>PRESENT</b>  | None   |
|              | ET041:                      | Opening rear screen                          | <b>OPEN</b><br><b>CLOSED</b>   | None   |
|              | ET044:                      | CPE* button                                  | <b>PRESSED</b><br><b>RELEASED</b>  | <b>In the event of a fault, consult the interpretation of status ET044.</b>  |
|              | ET233:                      | Child safety lock switch                     | <b>PRESSED</b><br><b>RELEASED</b>  | <b>In the event of a fault, consult the interpretation of status ET233.</b>  |
|              | ET230:                      | Child safety lock                            | <b>ACTIVE</b><br><b>INACTIVE</b>   | <b>In the event of a fault, consult the interpretation of fault DF072.</b>   |
|              | ET160:                      | Rear right-hand door Child safety lock       | <b>ACTIVE</b><br><b>INACTIVE</b>   | In the event of a fault, <b>refer to the interpretation of status ET160.</b> |
|              | ET159:                      | Rear left-hand door child safety lock        | <b>ACTIVE</b><br><b>INACTIVE</b>   | In the event of a fault, <b>refer to the interpretation of status ET159.</b> |
|              | ET087:                      | One-touch window control/ SR.* authorisation | <b>ACTIVE</b><br><b>INACTIVE</b>   | In the event of a fault, <b>refer to the interpretation of status ET087.</b> |

\*CPE: Electric central door locking  
SR.\*: Sunroof



**NOTES**

Only carry out this conformity check after a **complete check** with the **diagnostic tool** (fault reading and configuration checks).  
**Application condition:** engine stopped, + after ignition feed present.

**KEYLESS VEHICLE FUNCTION**  
Sub-function: Access (continued 3)

| Sub-function | Parameter or Status checked | Action                    | Display and Notes  | Fault finding   |
|--------------|-----------------------------|---------------------------|--|---|
| Access       | <b>ET068:</b>               | Most recently locked by   | <b>AUTOMATIC</b> = automatic re-locking if unlocked using the card and the doors are not used within <b>2 minutes</b> of unlocking.<br><b>CPE*</b> = locking by pressing the button on the centre console<br><b>HANDS-FREE</b> = locking via door or tailgate handle switch<br><b>RAID* FUNCTION</b> = Renault Anti-Intruder Device.<br>Operates from around <b>3 mph (5 km/h)</b> .<br><b>CARD</b> = locking with the <b>DIAGNOSTIC</b> card = Locking by actuator <b>AC004 Central door locking</b><br><b>LONG CPE*</b> = locking by pressing and holding the button on the centre console | In the event of a fault, refer to the interpretation of status <b>ET068</b> .   |
|              | <b>ET069:</b>               | Most recently unlocked by | <b>HANDS-FREE</b> = optical sensors<br><b>CPE*</b> = electric door locking button<br><b>CARD</b> = with the card<br><b>FAULT FINDING = AC005 IMPACT INFO</b> = info after impact<br><b>AIRBAG = unlocking by the AIRBAG computer after an accident</b>   | <b>If status = Airbag, carry out fault finding on the Airbag computer (see 88C, Airbag and pretensioners). In the event of a fault, consult the interpretation of status ET069.</b> |

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| <b>NOTES</b> | Only carry out this conformity check after a <b>complete check</b> with the <b>diagnostic tool</b> (fault reading and configuration checks).<br><b>Application condition:</b> engine stopped, + after ignition feed present. |
|--------------|--|

**KEYLESS VEHICLE FUNCTION**  
Sub-function: Access (continued 4):

| Sub-function | Parameter or Status checked | Action                                | Display and Notes   | Fault finding   |
|--------------|-----------------------------|---------------------------------------|---|---|
| Access       | <b>ET088:</b>               | Deadlocking activation source         | <b>CARD<br/>HANDS-FREE<br/>FAULT FINDING</b>                  | In the event of a fault, consult <b>the interpretation of status ET088.</b> |
|              | <b>ET090:</b>               | Deadlocking deactivation source       | <b>CPE*<br/>CARD<br/>HANDS-FREE<br/>FAULT FINDING<br/>APC</b> | In the event of a fault, consult <b>the interpretation of status ET090.</b> |
|              | <b>ET043:</b>               | RAID* function authorisation by CPE*. | <b>ACTIVE<br/>INACTIVE</b>                                    | <b>In the event of a fault, consult the interpretation of status ET043.</b> |

RAID\*: Renault Anti-Intruder Device.  
CPE\*: Electric central door locking.

**NOTES**

Only carry out this conformity check after a **complete check** with the **diagnostic tool** (fault reading and configuration checks).  
**Application condition:** engine stopped, + after ignition feed present.

**KEYLESS VEHICLE FUNCTION**

Sub-function: Protection

| Sub-function | Parameter or Status checked | Action                                | Display and Notes   | Fault finding   |
|--------------|-----------------------------|---------------------------------------|---|---|
| Protection   | ET070:                      | Start button                          | <b>PRESSED<br/>RELEASED</b>   | In the event of a fault, consult the <b>interpretation of status ET070.</b> |
|              | ET008:                      | blank UCH                             | <b>YES</b> = If the UCH is blank.<br><b>NO</b> = If the UCH is programmed.          | In the event of a fault, consult the <b>interpretation of status ET008.</b> |
|              | PR013:                      | Number of cards programmed            | <b>1, 2, 3 or 4</b>   | None  |
|              | ET071:                      | Unprogrammed steering column lock     | <b>YES<br/>NO</b>   | In the event of a fault, consult the interpretation of status <b>ET071.</b> |
|              | ET119:                      | UCH request to steering column lock   | <b>LOCKING UNLOCKING</b>  | None  |
|              | ET248:                      | Steering column lock immobiliser code | <b>INCORRECT<br/>OK</b>   | None  |
|              | ET073:                      | Steering column lock sensor signal    | <b>FAULTY<br/>UNLOCKED<br/>UNDETERMINED<br/>FALSELY TRIGGERED<br/>SHORT CIRCUIT</b> | In the event of a fault, consult the interpretation of status <b>ET073.</b> |
|              | ET072:                      | Steering column lock                  | <b>INCONSISTENCY<br/>LOCKED<br/>UNLOCKED</b>  | In the event of a fault, consult the interpretation of status <b>ET072.</b> |
|              | ET014:                      | Control power level                   | <b>NONE<br/>ACCESSORIES FEED<br/>TIMED<br/>APC</b>                                  | None  |

**NOTES**

Only carry out this conformity check after a **complete check** with the **diagnostic tool** (fault reading and configuration checks).  
**Application condition:** engine stopped, + after ignition feed present.

**KEYLESS VEHICLE FUNCTION**  
Sub-function: Protection (continued)

| Sub-function | Parameter or Status checked | Action                     | Display and Notes   | Fault finding   |
|--------------|-----------------------------|----------------------------|---|---|
| Protection   | ET250:                      | Injection                  | <b>PROGRAMMED BLANK</b>   | None  |
|              | ET229:                      | Injection immobiliser code | <b>INCORRECT OK</b>   | In the event of a fault, consult the interpretation of status <b>ET229</b> .  |
|              | ET046:                      | Engine immobiliser         | <b>INACTIVE</b> = Vehicle unprotected, ready to start.<br><b>ACTIVE</b> = Vehicle protected, starting impossible. | In the event of a fault, consult <b>the interpretation of status ET046</b> .  |
|              | ET075:                      | + Accessories feed present | <b>YES NO</b>   | In the event of a fault, refer to <b>the interpretation of status ET075</b> . |

RF\*: Radio frequency.

**NOTES**

Only carry out this conformity check after a **complete check** with the **diagnostic tool** (fault reading and configuration checks).  
**Application condition:** engine stopped, + after ignition feed present.

**KEYLESS VEHICLE FUNCTION**

Sub:function: Starting

| Sub-function | Parameter or Status checked | Action  | Display and Notes                                      | Fault finding   |
|--------------|-----------------------------|---|--|---|
| Starting     | ET070:                      | Start button  | DEPRESSED<br>RELEASED                                  | In the event of a fault, consult the interpretation of status ET070.  |
|              | ET108:                      | Automatic gearbox lever position                          | NOT IN NEUTRAL<br>P<br>NEUTRAL, REVERSE                | In the event of a fault, consult the interpretation of status ET108.  |
|              | ET048:                      | Clutch pedal position                                     | DEPRESSED<br>RELEASED                                  | In the event of a fault, consult the interpretation of status ET048.  |
|              | ET047:                      | Brake pedal position                                      | UNDETERMINED<br>RELEASED<br>DEPRESSED<br>INCONSISTENCY | In the event of a fault, consult the interpretation of status ET047.  |
|              | ET110:                      | UCH request to injection or Protection and Switching Unit | ENGINE OFF<br>INACTIVE<br>APC<br>STARTING              | In the event of a fault, consult the interpretation of status ET110.  |
|              | ET169:                      | Engine  | STOPPED  | In the event of a fault, refer to the interpretation of status ET169. |

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|-------|--|
| NOTES | Only carry out this conformity check after a <b>complete check</b> with the <b>diagnostic tool</b> (fault reading and configuration checks).<br><b>Application condition:</b> engine stopped, + after ignition feed present. |
|-------|--|

FUNCTION: AIR CONDITIONING  
Sub-function: User selection

| Sub-function   | Parameter or Status checked | Action                       | Display and Notes  | Fault finding  |
|----------------|-----------------------------|------------------------------|--|--|
| User selection | ET029:                      | Air conditioning button      | <b>DEPRESSED</b><br><b>RELEASED</b>  | <b>In the event of a fault, refer to the interpretation of status ET029.</b> |
|                | ET028:                      | Heated rear screen button    | <b>PRESSED</b> if the "heated rear screen" button on the air conditioning control panel is pressed.<br><b>RELEASED</b> otherwise.                              | <b>In the event of a fault, refer to the interpretation of status ET028.</b> |
|                | ET015:                      | Passenger compartment blower | <b>ACTIVE</b><br><b>INACTIVE</b><br>Note:<br>This status is only operative for manual air conditioning systems (and heater versions without air conditioning). | <b>In the event of a fault, refer to the interpretation of status ET015.</b> |

**NOTES**

Only carry out this conformity check after a **complete check** with the **diagnostic tool** (fault reading and configuration checks).  
**Application condition:** engine stopped, + after ignition feed present.

**FUNCTION: AIR CONDITIONING**

Sub-function: Heating

| Sub-function | Parameter or Status checked | Action  | Display and Notes  | Fault finding  |
|--------------|-----------------------------|---|--|--|
| Heating      | <b>PR001:</b>               | Battery voltage                                 | <b>9 V &lt; X &lt; 16 V</b>  | <b>In the event of a fault, consult the interpretation of parameter PR001.</b> |
|              | <b>PR002:</b>               | External temperature                            | Temperature in °C  | <b>In the event of a fault, consult the interpretation of parameter PR002.</b> |
|              | <b>ET017:</b>               | Number of RCH* required                         | <b>0, 1, 2, 3, 4 or 5</b>  | <b>In the event of a fault, consult the interpretation of status ET017.</b>    |
|              | <b>ET018:</b>               | Number of RCH* authorised by alternator         | <b>0, 1, 2, 3, 4 or 5</b>  | <b>In the event of a fault, consult the interpretation of status ET018.</b>    |
|              | <b>ET019:</b>               | Number of RCH* authorised by injection computer | <b>0, 1, 2, 3, 4 or 5</b>  | <b>In the event of a fault, consult the interpretation of status ET019.</b>    |
|              | <b>ET015:</b>               | Passenger compartment fan                       | <b>ACTIVE<br/>INACTIVE</b><br>Note:<br>This status is only operative for manual air conditioning systems (and heater versions without air conditioning). | <b>In the event of a fault, refer to the interpretation of status ET015.</b>   |

\*RCH = Passenger Compartment Heating Resistor

**NOTES**

Only carry out this conformity check after a **complete check** with the **diagnostic tool** (fault reading and configuration checks).  
**Application condition:** engine stopped, + after ignition feed present.

**FUNCTION: AIR CONDITIONING**

Sub-function: Heating (continued)

| Sub-function | Parameter or Status checked | Action                           | Display and Notes   | Fault finding  |
|--------------|-----------------------------|----------------------------------|---|--|
| Heating      | <b>ET020:</b>               | Number RCH* activated.           | <b>0, 1, 2, 3, 4 or 5</b>                                       | <b>In the event of a fault, refer to the interpretation of status ET020.</b> |
|              | <b>ET021:</b>               | RCH* 1 relay control             | <b>ACTIVE<br/>INACTIVE</b>                                      | <b>In the event of a fault, consult the interpretation of status ET021.</b>  |
|              | <b>ET022:</b>               | RCH* 2 relay control             | <b>ACTIVE<br/>INACTIVE</b>                                      | <b>In the event of a fault, consult the interpretation of status ET022.</b>  |
|              | <b>ET023:</b>               | RCH* 3 relay control             | <b>ACTIVE<br/>INACTIVE</b>                                      | <b>In the event of a fault, consult the interpretation of status ET023.</b>  |
|              | <b>ET031:</b>               | Fast idle speed request for RCH* | <b>INACTIVE</b><br>Fast idle speed to prevent battery discharge | <b>In the event of a fault, consult the interpretation of status ET031.</b>  |
|              | <b>ET169:</b>               | Engine                           | <b>STOPPED</b>  | <b>In the event of a fault, refer to the interpretation of status ET169.</b> |
|              | <b>ET025:</b>               | Retractable roof                 | <b>CLOSED<br/>NOT CLOSED<br/>ABSENT</b>                         | <b>In the event of a fault, consult the interpretation of status ET025.</b>  |
|              | <b>ET026:</b>               | Heated rear screen switch        | <b>ACTIVE<br/>INACTIVE</b>                                      | <b>In the event of a fault, consult the status interpretation ET026.</b>     |

\*RCH = Passenger Compartment Heating Resistor



|              |   |
|--------------|---|
| <b>NOTES</b> | <p>Only carry out this conformity check after a <b>complete check</b> with the <b>diagnostic tool</b> (fault reading and configuration checks).</p> <p><b>Application condition:</b> engine stopped, + after ignition feed present.</p> |
|--------------|---|

**FUNCTION: AIR CONDITIONING**  
Sub-function: Cold Loop

| Sub-function | Parameter or Status checked | Action                     | Display and Notes  | Fault finding  |
|--------------|-----------------------------|----------------------------|--|--|
| Cold loop    | <b>ET030:</b>               | Air conditioning request 2 | <b>ACTIVE</b><br><b>INACTIVE</b>   | In the event of a fault, <b>consult</b> the interpretation of status <b>ET030</b> .    |
|              | <b>ET169:</b>               | Engine                     | <b>STOPPED</b>   | In the event of a fault, refer to the <b>interpretation of status ET169</b> .          |
|              | <b>ET015:</b>               | Passenger compartment fan  | <b>ACTIVE</b><br><b>INACTIVE</b><br>Note:<br>This status is only operative for manual air conditioning systems (and heater versions without air conditioning). | In the event of a fault, <b>refer</b> to the interpretation of status <b>ET015</b> .   |
|              | <b>PR002:</b>               | External temperature       | Temperature in °C  | In the event of a fault, <b>consult</b> the interpretation of parameter <b>PR002</b> . |

**NOTES**

Only carry out this conformity check after a **complete check** with the **diagnostic tool** (fault reading and configuration checks).  
**Application condition:** engine stopped, + after ignition feed present.

**FUNCTION: TYRES**

Sub-function: Tyre approval

| Sub-function  | Parameter or Status checked | Action                              | Display and Notes  | Fault finding   |
|---------------|-----------------------------|-------------------------------------|--|---|
| Tyre receiver | <b>ET040:</b>               | Tyre pressure monitoring system     | <b>NOT WORKING<br/>ACTIVE</b>  | If status <b>ET040</b> is <b>OUT OF ORDER</b> , consult the fault finding procedure for status <b>ET040</b> .   |
|               | <b>ET032:</b>               | Front left-hand wheel valve signal  | <b>OK<br/>ABSENT<br/>OVER-INFLATED<br/>PUNCTURE<br/>UNDER-INFLATED</b> | Check that the tyre pressure is at the recommended pressure (see <b>MR 364 (Mégane II)</b> or <b>MR 370 (Scénic II)</b> , <b>Mechanical</b> , <b>35A</b> , <b>Tyre pressure: Identification</b> ).<br>If status <b>ET032</b> is not <b>OK</b> , consult the fault finding procedure for status <b>ET032</b> . |
|               | <b>PR003:</b>               | Front left-hand wheel pressure      | <b>0 bar &lt; X &lt; 3.55 bar</b>                                      | If <b>X = 0 bar</b> , consult the fault finding procedure for parameter <b>PR003</b> .<br>Check that the recommended pressure ( <b>PR009</b> to <b>PR012</b> ) corresponds correctly to the vehicle.  |
|               | <b>PR019:</b>               | Front left-hand tyre temperature    | <b>- 40°C &lt; X &lt; 100°C</b>  | After a battery cut-off, it is normal that the temperature is <b>50°C</b> and the pressure is <b>0 bar</b> . Perform a road test so that the sensor emits the actual temperature and pressure.  |
|               | <b>ET0033:</b>              | Front right-hand wheel valve signal | <b>OK<br/>ABSENT<br/>OVER-INFLATED<br/>FLAT<br/>UNDER-INFLATED</b>     | Check that the tyre pressure is at the recommended pressure (see <b>MR 364 (Mégane II)</b> or <b>MR 370 (Scénic II)</b> , <b>Mechanical</b> , <b>35A</b> , <b>Tyre pressure: Identification</b> ).<br>If status <b>ET033</b> is not <b>OK</b> , consult the fault finding procedure for status <b>ET033</b> . |

**NOTES**

Only carry out this conformity check after a **complete check** with the **diagnostic tool** (fault reading and configuration checks).  
**Application condition:** engine stopped, + after ignition feed present.

**FUNCTION: TYRES**

Sub-function: Tyre approval (continued 1)

| Sub-function  | Parameter or Status checked | Action                             | Display and Notes  | Fault finding   |
|---------------|-----------------------------|------------------------------------|--|---|
| Tyre approval | <b>PR004:</b>               | Front right-hand wheel pressure    | <b>0 bar &lt; X &lt; 3.55 bar</b>  | If <b>X = 0 bar</b> , consult the fault finding procedure for parameter <b>PR004</b> .<br><br>Check that the recommended pressure ( <b>PR009</b> to <b>PR012</b> ) corresponds correctly to the vehicle.  |
|               | <b>PR020:</b>               | Front right-hand tyre temperature  | <b>- 40°C &lt; X &lt; 100°C</b>  | After a battery cut-off, it is normal that the temperature is <b>50°C</b> and the pressure is <b>0 bar</b> . Perform a road test so that the sensor emits the actual temperature and pressure.  |
|               | <b>ET034:</b>               | Rear right-hand wheel valve signal | <b>OK</b><br><b>ABSENT</b><br><b>OVER-INFLATED</b><br><b>FLAT</b><br><b>UNDER-INFLATED</b> | Check that the tyre pressure is at the recommended pressure (see <b>MR 364 (Mégane II)</b> or <b>MR 370 (Scénic II)</b> , <b>Mechanical, 35A, Tyre pressure: Identification</b> ).<br><br>If status <b>ET034</b> is not <b>OK</b> , consult the fault finding procedure for status <b>ET034</b> . |
|               | <b>PR005:</b>               | Rear right-hand wheel pressure     | <b>0 bar &lt; X &lt; 3.55 bar</b>  | If <b>X = 0 bar</b> , consult the fault finding procedure for parameter <b>PR005</b> .<br><br>Check that the recommended pressure ( <b>PR009</b> to <b>PR012</b> ) corresponds correctly to the vehicle.  |
|               | <b>PR021:</b>               | Rear right-hand tyre temperature   | <b>- 40°C &lt; X &lt; 100°C</b>  | After a battery cut-off, it is normal that the temperature is <b>50°C</b> and the pressure is <b>0 bar</b> . Perform a road test so that the sensor emits the actual temperature and pressure.  |

|              |   |
|--------------|---|
| <b>NOTES</b> | <p>Only carry out this conformity check after a <b>complete check</b> with the <b>diagnostic tool</b> (fault reading and configuration checks).</p> <p><b>Application condition:</b> engine stopped, + after ignition feed present.</p> |
|--------------|---|

**FUNCTION: TYRES**  
Sub-function: Tyre approval (continued 2)

| Sub-function  | Parameter or Status checked | Action                            | Display and Notes  | Fault finding  |
|---------------|-----------------------------|-----------------------------------|--|--|
| Tyre approval | <b>ET035:</b>               | Rear left-hand wheel valve signal | <b>OK</b><br><b>ABSENT</b><br><b>OVER-INFLATED</b><br><b>FLAT</b><br><b>UNDER-INFLATED</b> | <p>Check that the tyre pressure is at the recommended pressure (see <b>MR 364 (Mégane II)</b> or <b>MR 370 (Scénic II)</b>, <b>Mechanical, 35A, Tyre pressure: Identification</b>).</p> <p>If status <b>ET035</b> is not <b>OK</b>, consult the fault finding procedure for status <b>ET035</b>.</p> |
|               | <b>PR006:</b>               | Rear left-hand wheel pressure     | <b>0 bar &lt; X &lt; 3.55 bar</b>  | <p>If <b>X = 0 bar</b>, consult the fault finding procedure for parameter <b>PR006</b>.</p> <p>Check that the recommended pressure (<b>PR009 to PR012</b>) corresponds correctly to the vehicle.</p>   |
|               | <b>PR022:</b>               | Rear left-hand tyre temperature   | <b>- 40°C &lt; X &lt; 100°C</b>  | <p>After a battery cut-off, it is normal that the temperature is <b>50°C</b> and the pressure is <b>0 bar</b>. Perform a road test so that the sensor emits the actual temperature and pressure.</p>   |

|              |  |
|--------------|--|
| <b>NOTES</b> | Only carry out this conformity check after a <b>complete check</b> with the <b>diagnostic tool</b> (fault reading and configuration checks).<br><b>Application condition:</b> engine stopped, + after ignition feed present. |
|--------------|--|

**FUNCTION: TYRES**  
Sub-function: Tyre management

| Sub-function    | Parameter or Status checked | Action                                     | Display and Notes | Fault finding   |
|-----------------|-----------------------------|--|-------------------|---|
| Tyre management | <b>PR009:</b>               | Fr* wheel low speed recommended pressure.  | In bar            | Check that the values entered are actually the recommended ones (see <b>MR 364 (Mégane II)</b> or <b>MR 370 (Scénic II)</b> , <b>Mechanical, 35A, Tyre pressure: Identification</b> ).<br><br>Otherwise, enter the recommended pressures using command <b>VP005 Write recommended pressures</b> . |
|                 | <b>PR010:</b>               | Rr* wheel low speed recommended pressure.  |                   |   |
|                 | <b>PR012:</b>               | Fr* wheel high speed recommended pressure. |                   |   |
|                 | <b>PR011:</b>               | Rr* wheel high speed recommended pressure. |                   |   |
|                 | <b>PR014:</b>               | Left/right pressure difference threshold   | 0.5 bar           | None.   |
|                 | <b>PR015:</b>               | Low under-inflation threshold              | - 0.4 bar         |   |
|                 | <b>PR059:</b>               | Puncture report threshold                  | - 0.6 bar         |   |
|                 | <b>PR017:</b>               | Cold over-inflation threshold              | 0.7 bar           |   |
|                 | <b>PR018:</b>               | Warm over-inflation threshold              | 0.8 bar           |   |

fr\*: front,  
rr\*: rear.

|       |   |
|-------|---|
| NOTES | <p>Only carry out this conformity check after a <b>complete check</b> with the <b>diagnostic tool</b> (fault reading and configuration checks).</p> <p><b>Application condition:</b> engine stopped, + after ignition feed present.</p> |
|-------|---|

**FUNCTION: TYRES**  
Sub-function: Tyre display

| Sub-function | Parameter or Status checked | Action                        | Display and Notes                                 | Fault finding   |
|--------------|-----------------------------|-------------------------------|---|---|
| Tyre display | ET039:                      | STOP warning light on request | ACTIVE<br>INACTIVE                                | <p><b>ACTIVE</b>, if a puncture is detected.</p> <p>There is a buzzer activation request for all severity level 1 warnings (<b>puncture</b>). The buzzer emits a single beep when a fault occurs.</p>   |
|              | ET016:                      | Buzzer activation request     | INACTIVE<br>STATUS 1<br>STATUS 2<br>INCONSISTENCY | <p><b>STATUS 1:</b> request for buzzer activation when a puncture is detected.</p> <p><b>STATUS 2:</b> request for buzzer activation to warn the driver that the vehicle speed is too high when the vehicle has one or more punctured tyres. This information is only valid on vehicles fitted with PAX System tyres.</p> |

**NOTES**

Only carry out this conformity check after a **complete check** with the **diagnostic tool** (fault reading and configuration checks).  
**Application condition:** engine stopped, + after ignition feed present.

**LIGHTING FUNCTION**

Sub-function: Lighting command

| Sub-function     | Parameter or Status checked | Action                                      | Display and Notes  | Fault finding   |
|------------------|-----------------------------|---|--|---|
| Lighting control | ET081:                      | Lighting switch position                    | OFF<br>SIDE<br>DIPPED<br>MAIN BEAM HEADLIGHTS<br>HAZARD LIGHTS | In the event of a fault, refer to the interpretation of status <b>ET081</b> . |
|                  | ET115:                      | Request to switch on lights by light sensor | PRESENT<br>ABSENT  | In the event of a fault, consult the interpretation of status <b>ET115</b> .  |
|                  | ET169:                      | Engine                                      | STOPPED  | In the event of a fault, refer to the <b>interpretation of status ET169</b> . |
|                  | ET113:                      | Automatic lighting button                   | DEPRESSED<br>RELEASED  | In the event of a fault, consult the <b>interpretation of status ET113</b> .  |
|                  | ET111:                      | Front fog lights request                    | PRESENT<br>ABSENT  | In the event of a fault, consult the <b>interpretation of status ET111</b> .  |
|                  | ET082:                      | Rear fog lights request                     | PRESENT<br>ABSENT  | In the event of a fault, consult the <b>interpretation of status ET082</b> .  |
|                  | ET085:                      | Hazard warning lights button                | DEPRESSED<br>RELEASED  | In the event of a fault, <b>refer to the interpretation of status ET085</b> . |
|                  | ET083:                      | Left-hand indicator request                 | PRESENT<br>ABSENT  | In the event of a fault, refer to the <b>interpretation of status ET083</b> . |
|                  | ET084:                      | Right-hand indicator request                | PRESENT<br>ABSENT  | In the event of a fault, refer to the <b>interpretation of status ET084</b> . |

|       |   |
|-------|---|
| NOTES | <p>Only carry out this conformity check after a <b>complete check</b> with the <b>diagnostic tool</b> (fault reading and configuration checks).</p> <p><b>Application condition:</b> engine stopped, + after ignition feed present.</p> |
|-------|---|

WIPING FUNCTION

Sub function: Wiper control

| Sub-function  | Parameter or Status checked | Action                                       | Display and Notes  | Fault finding   |
|---------------|-----------------------------|--|--|---|
| Wiper control | ET077:                      | Wiper stalk position                         | <div>OFF</div> <div>INTERMITTENT</div> <div>LOW SPEED HIGH SPEED</div> | In the event of a fault, refer to the interpretation of status <b>ET077</b> . |
|               | ET096:                      | Wiper stalk intermittent speed ring position | <div>1</div> <div>2</div> <div>3</div> <div>4</div>                    | In the event of a fault, consult <b>the interpretation of status ET096</b> .  |
|               | ET118:                      | Rain sensor sensitivity ring position        |  |   |
|               | ET114:                      | Wiper request by rain sensor                 | <div>PRESENT</div> <div>ABSENT</div>                                   | In the event of a fault, consult <b>the interpretation of status ET114</b> .  |
|               | ET078:                      | Windscreen washer request                    | <div>PRESENT</div> <div>ABSENT</div>                                   | In the event of a fault, refer to the interpretation of status <b>ET078</b> . |



|              |   |
|--------------|---|
| <b>NOTES</b> | <p>Only carry out this conformity check after a <b>complete check</b> with the <b>diagnostic tool</b> (fault reading and configuration checks).</p> <p><b>Application condition:</b> engine stopped, + after ignition feed present.</p> |
|--------------|---|

**WIPING FUNCTION**

Sub-function: Wiper control (continued)

| Sub-function  | Parameter or Status checked | Action                           | Display and Notes                                | Fault finding   |
|---------------|-----------------------------|----------------------------------|--|---|
| Wiper control | <b>ET080:</b>               | Rear screen wiper request        | <b>PRESENT<br/>ABSENT</b>                        | In the event of a fault, consult <b>the interpretation of status ET080</b> .  |
|               | <b>ET097:</b>               | Rear screen wiper park position  | <b>PRESENT<br/>ABSENT</b>                        | In the event of a fault, consult the status interpretation <b>ET097</b> .     |
|               | <b>ET079:</b>               | Rear screen washer request       | <b>PRESENT<br/>ABSENT</b>                        | In the event of a fault, refer to the interpretation of status <b>ET079</b> . |
|               | <b>ET109:</b>               | Reverse gear engaged             | <b>YES<br/>NO</b>                                | In the event of a fault, check the reverse gear switch and its connections.   |
|               | <b>ET108:</b>               | Automatic gearbox lever position | <b>NOT IN NEUTRAL<br/>P<br/>NEUTRAL<br/>REAR</b> | In the event of a fault, consult <b>the interpretation of status ET108</b> .  |

|       |  |
|-------|--|
| NOTES | Only carry out this conformity check after a <b>complete check</b> with the <b>diagnostic tool</b> (fault reading and configuration checks).<br><b>Application condition:</b> engine stopped, + after ignition feed present. |
|-------|--|

LIGHTING FUNCTION  
Sub-function: Lighting power

| Sub-function   | Parameter or Status checked | Action                    | Display and Notes  | Fault finding |
|----------------|-----------------------------|---------------------------|--------------------|---------------|
| Lighting power | ET112:                      | Interior lighting control | ACTIVE<br>INACTIVE | None          |

# PASSENGER COMPARTMENT CONNECTION UNIT

## Fault finding - Status summary table

**87B**

| Tool status  | Diagnostic tool title                           | Vdiag                           |
|--------------|---|---------------------------------|
| <b>ET008</b> | UCH blank                                       | V44, V48, V4C,<br>V4D, V4F, V50 |
| <b>ET010</b> | Card frequency (in MHz)                         | V44, V48, V4C,<br>V4D           |
| <b>ET014</b> | Control power level                             | V44, V48, V4C,<br>V4D, V4F, V50 |
| <b>ET015</b> | Passenger compartment fan                       |                                 |
| <b>ET016</b> | Buzzer activation request                       |                                 |
| <b>ET017</b> | Number of RCH* required                         |                                 |
| <b>ET018</b> | Number of RCH* authorised by alternator         |                                 |
| <b>ET019</b> | Number of RCH* authorised by injection computer |                                 |
| <b>ET020</b> | Number RCH* activated.                          |                                 |
| <b>ET021</b> | RCH* 1 relay control                            |                                 |
| <b>ET022</b> | RCH* 2 relay control                            |                                 |
| <b>ET023</b> | RCH* 3 relay control                            |                                 |
| <b>ET025</b> | Retractable roof                                | V48, V4C, V4D,<br>V4F, V50      |
| <b>ET026</b> | Heated rear screen switch                       | V44, V48, V4C,<br>V4D, V4F, V50 |
| <b>ET028</b> | Heated rear screen button                       |                                 |
| <b>ET029</b> | Air conditioning button                         |                                 |
| <b>ET030</b> | Air conditioning request 2                      |                                 |
| <b>ET031</b> | Fast idle speed request for RCH*                |                                 |
| <b>ET032</b> | Front left-hand wheel valve signal              |                                 |
| <b>ET033</b> | Front right-hand wheel valve signal             |                                 |
| <b>ET034</b> | Rear right-hand wheel valve signal              |                                 |
| <b>ET035</b> | Rear left-hand wheel valve signal               |                                 |
| <b>ET038</b> | Service warning light on request                |                                 |
| <b>ET039</b> | STOP warning light on request                   |                                 |
| <b>ET040</b> | Tyre pressure monitoring system                 |                                 |

\*RCH = Passenger Compartment Heating Resistor

# PASSENGER COMPARTMENT CONNECTION UNIT

## Fault finding - Status summary table

**87B**

| Tool status  | Diagnostic tool title                     | Vdiag                           |
|--------------|---|---------------------------------|
| <b>ET041</b> | Opening rear screen                       | V48, V4C, V4D,<br>V4F, V50      |
| <b>ET042</b> | Passenger door                            | V44, V48, V4C,<br>V4D, V4F, V50 |
| <b>ET043</b> | RAID* function authorisation by CPE*      | V44, V48, V4C,<br>V4D, V4F, V50 |
| <b>ET044</b> | CPE* button                               |                                 |
| <b>ET045</b> | RF signal received                        |                                 |
| <b>ET046</b> | Engine immobiliser                        |                                 |
| <b>ET047</b> | Brake pedal position                      |                                 |
| <b>ET048</b> | Clutch pedal position                     |                                 |
| <b>ET050</b> | Tailgate/Boot                             |                                 |
| <b>ET051</b> | Rear left-hand door                       |                                 |
| <b>ET052</b> | Rear right-hand door                      |                                 |
| <b>ET053</b> | Driver's door                             |                                 |
| <b>ET054</b> | Optical sensors supplied                  |                                 |
| <b>ET055</b> | Front driver side optical sensor          |                                 |
| <b>ET056</b> | Rear driver side optical sensor           |                                 |
| <b>ET057</b> | Passenger side front/rear optical sensor  |                                 |
| <b>ET058</b> | Lckg* button on driver's side handles     |                                 |
| <b>ET059</b> | Lckg* buttons on passenger's side handles |                                 |
| <b>ET060</b> | Tailgate locking button                   |                                 |
| <b>ET061</b> | Open tailgate request                     |                                 |
| <b>ET062</b> | Open rear screen request                  | V48, V4C, V4D,<br>V4F, V50      |

\*RAID: Renault Anti-Intruder Device

\*CPE: Electric central door locking

\*Lckg: Locking

# PASSENGER COMPARTMENT CONNECTION UNIT

## Fault finding - Status summary table

**87B**

| Tool status | Diagnostic tool title                                     | Vdiag                           |
|-------------|---|---------------------------------|
| ET066       | Card detected button                                      | V44, V48, V4C,<br>V4D, V4F, V50 |
| ET067       | Card button press recognised                              |                                 |
| ET068       | Most recently locked by                                   |                                 |
| ET069       | Most recently unlocked by                                 |                                 |
| ET070       | Start button  |                                 |
| ET071       | Unprogrammed steering lock                                |                                 |
| ET072       | Steering lock   |                                 |
| ET073       | Steering lock sensor signal                               |                                 |
| ET075       | + Accessories present                                     |                                 |
| ET077       | Wiper stalk position                                      |                                 |
| ET078       | Windscreen washer request                                 |                                 |
| ET079       | Rear screen washer request                                |                                 |
| ET080       | Rear screen wiper request                                 |                                 |
| ET081       | Lighting switch position                                  |                                 |
| ET082       | Rear fog lights request                                   |                                 |
| ET083       | Left-hand indicator request                               |                                 |
| ET084       | Right-hand indicator request                              |                                 |
| ET085       | Hazard warning lights button                              |                                 |
| ET086       | Electric child safety lock                                | V44, V48, V4C                   |
| ET087       | Sunroof*/one touch electric window authorisation          | V44, V48, V4C,<br>V4D, V4F, V50 |
| ET088       | Deadlocking activation source                             |                                 |
| ET090       | Deadlocking deactivation source                           |                                 |
| ET096       | Wiper stalk intermittent speed ring position              |                                 |
| ET097       | Rear screen wiper park position                           |                                 |
| ET098       | ADAC* button  |                                 |
| ET108       | Automatic gearbox lever position                          |                                 |
| ET109       | Reverse gear engaged                                      |                                 |
| ET110       | UCH request to injection or Protection and Switching Unit |                                 |
| ET111       | Front fog lights request                                  |                                 |
| ET112       | Interior lighting control                                 |                                 |

\*Trip computer: Not authorised

\*Sunroof:

# PASSENGER COMPARTMENT CONNECTION UNIT

## Fault finding - Status summary table

**87B**

| Tool status | Diagnostic tool title                       | Vdiag                           |
|-------------|---|---------------------------------|
| ET113       | Automatic lighting button                   | V44, V48, V4C,<br>V4D, V4F, V50 |
| ET114       | Wiping request via rain sensor              |                                 |
| ET115       | Request to switch on lights by light sensor |                                 |
| ET118       | Rain sensor sensitivity ring position       |                                 |
| ET119       | UCH request to steering column lock         |                                 |
| ET159       | Rear left-hand door child safety lock       | V4D, V4F, V50                   |
| ET160       | Rear right-hand door child safety lock      |                                 |
| ET169       | Engine                                      | V44, V48, V4C,<br>V4D, V4F, V50 |
| ET194       | Passenger's door or bonnet                  | V4C, V4D, V4F,<br>V50           |
| ET195       | UCH frequency (in MHz)                      | V44, V48, V4C,<br>V4D, V4F, V50 |
| ET205       | Type of UCH radio frequency aerial          |                                 |
| ET229       | Injection immobiliser code                  | V4F, V50                        |
| ET230       | Child safety lock                           | V4D, V4F, V50                   |
| ET233       | Child safety lock switch                    | V44, V48, V4C,<br>V4D, V4F, V50 |
| ET248       | Steering column lock immobiliser code       | V4F, V50                        |
| ET250       | Injection                                   |                                 |

|              |                  |
|--------------|------------------|
| <b>ET008</b> | <u>BLANK UCH</u> |
|--------------|------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | There must be no present or stored faults. |
|--------------|--|

**ET008** is **YES**.

Carry out the following operations:  
– programming and configuration of the UCH,  
– programming or reallocation of the cards.  
(see **Configuration and Programming**).

**ET008** is **NO**.

The UCH is programmed.

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|              |                            |
|--------------|----------------------------|
| <b>ET014</b> | <u>CONTROL POWER LEVEL</u> |
|--------------|----------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | <b>There must be no present or stored faults.</b><br><b>Special note:</b><br>This status displays the power level. |
|--------------|--|

**NONE**, no power supply.

**TIMED**, when a door is opened.

**+ ACCESSORIES FEED**, when the start button is pressed.

**+ AFTER IGNITION FEED** when starting or forced **+ after ignition** feed.

In case of inconsistency, contact the Techline.

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|



|              |                                  |
|--------------|----------------------------------|
| <b>ET015</b> | <u>PASSENGER COMPARTMENT FAN</u> |
|--------------|----------------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | <p><b>There must be no present or stored faults.</b><br/>Apply to manual air conditioning and heating systems.<br/><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
|--------------|--|

**ET015 is Inactive**, the ventilation control on the air conditioning control panel is not 0.

Check the condition and connection of the heating and air conditioning system control panel connector (bent, broken tabs, etc.).

If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the condition and connection of the UCH connector **PE2** (tabs bent, broken, etc.).

If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **continuity** and **insulation** of the following connections:

- Connection code **38LP**,
- Connection code **38LQ**,

between components **645** and **319**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Check the control panel (see **62C, Manual air conditioning**).

If the fault is still present, contact the Techline.

|                     |  |
|---------------------|--|
| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
|---------------------|--|

|              |   |
|--------------|---|
| <b>ET016</b> | <u><b>BUZZER ACTIVATION REQUEST</b></u> |
|--------------|---|

|              |  |
|--------------|--|
| <b>NOTES</b> | <b>There must be no present or stored faults.</b>  |
|              | <b>Special note:</b><br>Status <b>ET016</b> is <b>STATUS 1</b> or <b>STATUS 2</b> if the SSPP buzzer is activated. A tyre is punctured or there is a severe under-inflation. |

**ET016** is **STATUS 1**.

Request for activation of the buzzer linked to display of a puncture warning message on the instrument panel.  
Adjust the pressures of the four tyres to the recommended pressures. Repair or replace the tyre if necessary.

**ET016** is **STATUS 2**.

Request for buzzer activation to warn the driver that the vehicle speed is too high when the vehicle has one or more punctured tyres.  
This signal is only valid for vehicles fitted with runflat tyres.  
Adjust the pressures of the four tyres to the recommended pressures. Repair or replace the tyre if necessary.

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|              |                                |
|--------------|--------------------------------|
| <b>ET017</b> | <u>NUMBER OF RCH* REQUIRED</u> |
|--------------|--------------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | <b>There must be no present or stored faults.</b><br><b>The status, depending on the conditions, will be 0, 1, 2, 3, 4 or 5.</b>   |
|              | <b>Special note:</b><br><b>Manual air conditioning (not automatic)</b><br>Defined by the UCH according to the engine coolant temperature, the external temperature and electrical availability.<br><b>Climate control</b><br>Defined by the UCH according to the engine coolant temperature, the external temperature, electrical availability, the internal temperature and the user's request. |

The passenger compartment heating resistor control conditions are:

**Manual air conditioning (not automatic):**

**ET169 Engine is Running,**

**ET015 Passenger compartment fan Active,**

**PR002 Exterior temperature < 5°C**

**Engine coolant temperature < 50°C** (refer to injection computer),

Electrical availability - **60%**, alternator load < **70%** (refer to the Power and Switching Unit).

**Climate control:**

**ET169 Engine is Running,**

**PR002 Exterior temperature < 5°C**

**Engine coolant temperature < 50°C** (refer to injection computer).

**Electrical availability - 60%**, alternator charge < **70%** (refer to the Power and Switching Unit).

**Heat demand by the user** (refer to the climate control computer).

Check the consistency of these statuses and parameters.

In the event of a fault, consult the interpretation of these statuses and parameters.

\*RCH = Passenger Compartment Heating Resistor

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|              |  |
|--------------|--|
| <b>ET018</b> | <u>NUMBER OF RCH* AUTHORISED BY ALTERNATOR</u> |
|--------------|--|

|              |  |
|--------------|--|
| <b>NOTES</b> | <b>There must be no present or stored faults.</b>  |
|              | <b>Special note:</b><br>This information is usable only on vehicles fitted with passenger compartment heating resistors.<br>Calculation performed by the UCH according to the alternator power available (information supplied by the <b>UPC</b> ).<br>This information allows the number of passenger compartment heating resistors to be supplied depending on the available power.<br><b>The status, depending on the conditions, will be 0, 1, 2, 3, 4 or 5.</b> |

In the event of a fault, perform fault finding on the **UPC** (see **87G, Engine compartment connection unit**).  
The parameter **PR010 (UPC)** of the **alternator charge** should be less than **70%** so that the passenger compartment heating resistors can be authorised by the alternator.

If the fault is still present, contact the Techline.

\*RCH = Passenger Compartment Heating Resistor

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|              |  |
|--------------|--|
| <b>ET019</b> | <u>NUMBER OF PASSENGER COMPARTMENT HEATING RESISTORS AUTHORISED BY THE INJECTION</u> |
|--------------|--|

|              |  |
|--------------|--|
| <b>NOTES</b> | <b>There must be no present or stored faults.</b>  |
|              | <b>Special note:</b><br>Calculation performed by the UCH depending on the maximum power authorised by the injection computer.<br>This information allows the number of passenger compartment heating resistors to be supplied depending on the engine load.<br><b>The status, depending on the conditions, will be 0, 1, 2, 3, 4 or 5.</b> |

In the event of a fault, run fault finding on the injection system (see **13B, Diesel injection** or **17B, Petrol injection**).  
Conditions for authorisation of passenger compartment heating resistor by the injection:

- the injection system status **ET111 Fixed number of RCH\*** should be **NO**,
- the injection system status **ET112 RCH\* cut-off** should be **NO**.

If the fault is still present, contact the Techline.

\*RCH = Passenger Compartment Heating Resistor

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|              |                                  |
|--------------|----------------------------------|
| <b>ET020</b> | <u>NUMBER OF RCH* CONTROLLED</u> |
|--------------|----------------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | <b>There must be no present or stored faults.</b><br>The maximum number of passenger compartment heating resistors controlled will be the minimum number indicated by statuses <b>ET017, ET018, ET019</b> .  |
|              | <b>Special note:</b><br>The UCH controls the passenger compartment heating resistor relays according to the authorisation from the injection computers and Protection and Switching Unit.<br><b>The status, depending on the conditions, will be 0, 1, 2, 3, or 4.</b> |

The passenger compartment heating resistor control conditions are:

- Heater motor running.
- Battery voltage > 12 V.
- Interior temperature < 10°C.
- User temperature setpoint in warm position (> 20°C).
- **PR002 External temperature < 5°C.**
- **ET015 Passenger compartment fan ACTIVE.**
- **ET018 Number of RCHs authorised by alternator > 0.**
- **ET019 Number of RCH\* authorised by injection computer > 0.**
- **PR010 (UPC) Alternator charge < 70%.**

If all the conditions are satisfied, and depending on the air conditioning function program, the UCH controls the Passenger Compartment Heating Resistors needed to provide the service.

Check that these statuses and parameters are working properly.

In the event of a fault, refer to the interpretation of these statuses and parameters.

\*RCH = Passenger Compartment Heating Resistor

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|                         |   |
|-------------------------|---|
| ET021<br>ET022<br>ET023 | <u>RCH* 1 RELAY CONTROL</u><br><u>RCH* 2 RELAY CONTROL</u><br><u>RCH* 3 RELAY CONTROL</u> |
|-------------------------|---|

|              |   |
|--------------|---|
| <b>NOTES</b> | <p><b>There must be no present or stored faults.</b></p> <p>For statuses <b>ET021</b> and <b>ET022</b>, the signal <b>can be interpreted</b> if the vehicle is <b>configured with 1000 W Passenger Compartment Heating Resistors</b> or <b>1800 W Passenger Compartment Heating Resistors</b>.</p> <p>For status <b>ET023</b>, the signal is interpretable if the vehicle is configured with <b>RCH 1800 W</b>.</p> |
|--------------|---|

|   |  |
|---|--|
| <p>In the event of a fault, check the operation of statuses <b>ET015 Passenger compartment fan</b>, <b>ET017 Number of RCH* required</b>, <b>ET018 Number of RCH* authorised by alternator</b>, <b>ET019 Number of RCH* authorised by injection</b> and <b>ET020 Number of RCH* controlled</b>.</p> |  |
| <p>Carry out fault finding on commands <b>AC016 RCH* relay 1</b>, <b>AC017 RCH* relay 2</b> and <b>AC018 RCH* relay 3</b>.</p>  |  |
| <p>Check the parameters needed to switch on the Passenger Compartment Heating Resistors; exterior temperature, interior temperature, temperature setpoint on the heater control panel, alternator load, battery voltage.</p>  |  |
| <p>If all the requisite conditions are consistent and the status remains <b>INACTIVE</b>, contact Techline.</p>   |  |

\*RCH = Passenger Compartment Heating Resistor

|                     |  |
|---------------------|--|
| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
|---------------------|--|

UCH\_V44\_ET021/UCH\_V48\_ET021/UCH\_V4C\_ET021/UCH\_V4D\_ET021/UCH\_V4F\_ET021/UCH\_V50\_ET021/  
UCH\_V44\_ET022/UCH\_V48\_ET022/UCH\_V4C\_ET022/UCH\_V4D\_ET022/UCH\_V4F\_ET022/UCH\_V50\_ET022/  
UCH\_V44\_ET023/UCH\_V48\_ET023/UCH\_V4C\_ET023/UCH\_V4D\_ET023/UCH\_V4F\_ET023/UCH\_V50\_ET023

|              |                         |
|--------------|-------------------------|
| <b>ET025</b> | <u>RETRACTABLE ROOF</u> |
|--------------|-------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | <b>There must be no present or stored faults.</b><br>If the vehicle is a cabriolet, status <b>ET025</b> is CLOSED or NOT CLOSED.<br>If the vehicle is not a cabriolet, status <b>ET025</b> will be ABSENT. |
|--------------|--|

**ET025** is CLOSED

The retractable roof of the cabriolet vehicle is closed.

In case of inconsistency, contact the Techline.

**ET025** is NOT CLOSED

The retractable roof of the vehicle is not closed.

In case of inconsistency, contact the Techline.

**ET025** is ABSENT

The position of the retractable roof is unknown.

In case of inconsistency, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.



|       |                                   |
|-------|-----------------------------------|
| ET026 | <u>HEATED REAR SCREEN CONTROL</u> |
|-------|-----------------------------------|

|       |   |
|-------|---|
| NOTES | There must be no present or stored faults.  |
|       | <b>Special note:</b><br>Operation of the heated rear screen requires the engine status to be Running. |

**ET026 Inactive** despite a rear de-icing request by the user.

|                            |  |
|----------------------------|--|
| Air conditioning<br>Manual | Verify that status <b>ET142 Engine operating phase</b> is <b>Running</b> ; otherwise, carry out fault finding on the injection system.<br>Check that status <b>ET028 Heated rear screen switch</b> is <b>PRESSED</b> , otherwise refer to the interpretation of this status. |
|                            | If the fault is still present, contact your Techline.  |

|                 |  |
|-----------------|--|
| Climate control | Verify that status <b>ET142 Engine operating phase</b> is <b>Running</b> ; otherwise, carry out fault finding on the injection system.<br>If the fault is still present, carry out a fault finding procedure on the air conditioning computer. |
|                 | If the fault is still present, contact your Techline.  |

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|       |                                  |
|-------|----------------------------------|
| ET028 | <u>HEATED REAR SCREEN BUTTON</u> |
|-------|----------------------------------|

|       |   |
|-------|---|
| NOTES | There must be no present or stored faults.  |
|       | <b>Special note:</b><br>Information interpretable if the vehicle is configured with Heating or Manual Air Conditioning (SC008 UCH type and CF019 Type of air conditioning).<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |

ET028 Released with press on the button.  
ET028 Pressed without press on the button.

Check the condition and connection of the air conditioning control panel connector (bent, broken tabs, etc.).  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the condition and connection of the UCH connector **PE2** (tabs bent, broken).  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **insulation and continuity** of the following connection:  
● Connection code **15M** between components **645** and **139**.  
If the connection is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Check the control panel (see **62C, Manual air conditioning**).

If the fault is still present, contact the Techline.

|              |   |
|--------------|---|
| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|--------------|---|

|              |                                |
|--------------|--------------------------------|
| <b>ET029</b> | <u>AIR CONDITIONING BUTTON</u> |
|--------------|--------------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | There must be no present or stored faults.   |
|              | <b>Special note:</b><br>Information interpretable if the vehicle is configured with Manual Air Conditioning (SC008 UCH type and CF019 Type of air conditioning).<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |

|   |
|---|
| Check the condition and connection of the air conditioning control panel connector (bent, broken tabs, etc.).<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.   |
| Check the condition and connection of the UCH connector <b>PE2</b> (tabs bent, broken).<br>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.   |
| Check the <b>insulation and continuity</b> of the following connection: <ul style="list-style-type: none"><li>● Connection code <b>38AL</b> between components <b>645 and 319</b>.</li></ul> If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it. |
| Check the control panel (see <b>62C, Manual air conditioning</b> ).   |
| If the fault is still present, contact the Techline.  |

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|       |                                   |
|-------|-----------------------------------|
| ET030 | <u>AIR CONDITIONING REQUEST 2</u> |
|-------|-----------------------------------|

|       |   |
|-------|---|
| NOTES | <b>There must be no present or stored faults.</b><br>The engine must be running.  |
|       | <b>Special note:</b><br>This is the request for air conditioning sent by the UCH to the injection computer. This request may reach the UCH in two ways: <ul style="list-style-type: none"><li>– In the case of a vehicle fitted with manual air conditioning, by pressing on the air conditioning button.</li><li>– In the case of a vehicle fitted with climate control, by request from the user or the climate control computer in automatic mode.</li></ul> |

**ET030 Inactive** despite a climate control request.

|                                     |   |
|-------------------------------------|---|
| Air conditioning<br>Manual          | Verify that status <b>ET169 Engine</b> is <b>Running</b> . If status <b>ET169</b> is not running, run fault finding on the injection.<br>Check that status <b>ET029 Air conditioning button</b> is <b>PRESSED</b> by pressing the button. If status <b>ET029</b> is <b>RELEASED</b> carry out fault finding on this status.<br>Verify that status <b>ET015 Passenger compartment ventilation</b> is <b>ACTIVE</b> . If status <b>ET015</b> is <b>INACTIVE</b> carry out fault finding on this status. |
|                                     | If the fault is still present, contact the Techline.  |
| Air conditioning<br>climate control | Carry out fault finding on the climate control computer ( <b>see 62C, Manual air conditioning</b> ).  |
|                                     | If the fault is still present, contact the Techline.  |

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|              |  |
|--------------|--|
| <b>ET031</b> | <u>FAST IDLE SPEED REQUEST FOR RCH</u> |
|--------------|--|

|              |  |
|--------------|--|
| <b>NOTES</b> | There must be no present or stored faults. |
|--------------|--|

**ET031 Inactive with engine at idling speed with the passenger compartment heating resistors switched on.**

In case of inconsistency, contact the Techline.

\*RCH = Passenger Compartment Heating Resistor

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

UCH\_V44\_ET031/UCH\_V48\_ET031/UCH\_V4C\_ET031/  
UCH\_V4D\_ET031/UCH\_V4F\_ET031/UCH\_V50\_ET031

|  |  |
|--|--|
| <b>ET032</b><br><b>ET033</b><br><b>ET034</b><br><b>ET035</b> | <u>FRONT LEFT-HAND WHEEL VALVE SIGNAL</u><br><u>FRONT RIGHT-HAND WHEEL VALVE SIGNAL</u><br><u>REAR RIGHT-HAND WHEEL VALVE SIGNAL</u><br><u>REAR LEFT-HAND WHEEL VALVE SIGNAL</u> |
|--|--|

|              |  |
|--------------|--|
| <b>NOTES</b> | <p>Before carrying out any operation, apply the fault finding procedure (see Introduction).</p> <p><b>Special note:</b><br/> <b>If a wheel is equipped with a tyre pressure sensor, precautions must be taken when removing/refitting tyres.</b><br/> <b>Failure to take the precautions specified in Section 35 of Workshop Repair Manual 364 (for Mégane II) or 370 (for Scénic II) could result in the sensor being damaged, and potential operating faults in the tyre pressure monitoring system.</b></p> |
|--------------|--|

|                        |  |  |
|------------------------|--|--|
| <b>CORRECT:</b>        | The sensor is operating correctly and the pressure is correct.   |  |
| <b>Absent:</b>         | The UCH is not receiving the signal from the sensor.   |  |
| <b>Over-inflated:</b>  | The sensor sends a "tyre over-inflated" signal.  |  |
| <b>Puncture:</b>       | The sensor sends a "tyre severely under-inflated" signal (pressure - 0.6 bar) or a rapid pressure loss signal. |  |
| <b>Under-inflated:</b> | The sensor sends a "tyre under-inflated" signal.   |  |

**STEP 1**

Start by checking the tyre inflation and if necessary restore to the recommended pressure.

Next, to ensure that the wheel sensors are functioning properly, at each conformity check, make sure all sensors really are transmitting. To do this, create a tyre leak and check that its status changes:

|   |                |   |
|---|----------------|---|
| Initial status = <b>over-inflated</b>                     | <b>deflate</b> | Final status = <b>Correct</b> or <b>puncture</b> or <b>under-inflated</b> |
| Initial status = <b>puncture</b> or <b>under-inflated</b> | <b>inflate</b> | Final status = <b>Correct</b> or <b>over-inflated</b>                     |

|                     |  |
|---------------------|--|
| <b>AFTER REPAIR</b> | <p>Deal with any other possible faults.</p> <p>Switch off the ignition and carry out a road test followed by a test with the <b>diagnostic tool</b>.</p> |
|---------------------|--|

UCH\_V44\_ET032/UCH\_V48\_ET032/UCH\_V4C\_ET032/UCH\_V4D\_ET032/UCH\_V4F\_ET032/UCH\_V50\_ET032/UCH\_V44\_ET033/  
UCH\_V48\_ET033/UCH\_V4C\_ET033/UCH\_V4D\_ET033/UCH\_V4F\_ET033/UCH\_V50\_ET033/UCH\_V44\_ET034/UCH\_V48\_ET034/  
UCH\_V4C\_ET034/UCH\_V4D\_ET034/UCH\_V4F\_ET034/UCH\_V50\_ET034/UCH\_V44\_ET035/UCH\_V48\_ET035/UCH\_V4C\_ET035/  
UCH\_V4D\_ET035/UCH\_V4F\_ET035/UCH\_V50\_ET035

**ET032**  
**ET033**  
**ET034**  
**ET035**  
**CONTINUED**

**STEP 2**

**IMPORTANT:**

Wait **1 minute and 30 seconds** before checking the change of status.

– If the original status is: **over-inflated or under-inflated**

Consult **ALP 52 "Adjust tyre pressure"** message appears (the wheel concerned is highlighted on the display) and **ALP 56 "Adjust tyre pressure"** message appears (2 wheels are highlighted on the display).

– If the original status is: **puncture**

Consult **ALP 56 "Stop! Tyre puncture"** message appears (the wheel is highlighted on the display).

– If the original status is: **absent**

Consult **ALP 54 "Tyre sensor fault"** message appears (wheel warning light disappears) and **ALP 55 "Tyre sensor fault"** message appears (4 wheel warning lights disappear).

If the status does not change, replace the sensor on the wheel concerned by following the instructions and the programming procedure for the four valve codes, **SC002 Program 4 valve codes** (see **Configurations and programming**).

**AFTER REPAIR**

Deal with any other possible faults.

Switch off the ignition and carry out a road test followed by a test with the **diagnostic tool**.

|              |                                     |
|--------------|-------------------------------------|
| <b>ET040</b> | <u>TYRE PRESSURE MONITOR SYSTEM</u> |
|--------------|-------------------------------------|

|              |   |
|--------------|---|
| <b>NOTES</b> | Before carrying out any operation, apply the fault finding procedure (see <b>Introduction</b> ).<br>Check that no fault is present. |
|--------------|---|

**ACTIVE:** If the four wheel valves transmit their signal and if the signal is correctly received by the UCH.

**INOPERATIVE:** If a component is faulty or incorrectly configured.

In the event that status **ET040** is **inoperative**:

Check the configuration reading to ensure that **LC017 Tyre pressure monitor function** is correctly entered in the UCH. If this is not the case, start configuration in the "Programming" menu with configuration **CF023 Tyre pressure monitor function**, under **SC008 UCH type**.

Check that there is no ABS fault.

Check status **ET045 RF\* frame received** to make sure the receiver aerial is working properly by requesting central door locking with the card.

If, after performing all these checks, no fault has been found and status **ET040** is still **Inoperative**, contact the Techline.

RF\*: Radio frequency.

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| <b>AFTER REPAIR</b> | Deal with any other possible faults.<br>Switch off the ignition and carry out a road test followed by a test with the <b>diagnostic tool</b> . |
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|--------------|-----------------------|
| <b>ET042</b> | <u>PASSENGER DOOR</u> |
|--------------|-----------------------|

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| <b>NOTES</b> | There must be no faults present.<br>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b> . |
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Check the condition and connection of the PE1 connector of the UCH (tabs bent, broken, oxidised etc.).  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the condition and connection of the passenger's side door lock connector (bent, broken, oxidised tabs, etc.).  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **insulation and continuity** of the following connection:  
● Connection code **87G** between components **645** and **141**.  
If the connection is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Check:  
The **continuity** between connections **87G** and **MAN** of component **141** (in the rest position).  
The **insulation** between connections **87G** and **MAN** of component **141** (in the engaged position).  
Replace the lock if it is not correct.

In case of inconsistency, contact the Techline.

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>ET043</b> | <u>RAID* FUNCTION AUTHORISATION BY CPE*</u> |
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| <b>NOTES</b> | <b>There must be no present or stored faults.</b> |
|--------------|---|

Check that the UCH is configured with Locking when driving. Press the vehicle locking button for more than **5 seconds** with the after ignition feed to activate automatic locking (the locking when driving status is active). Press the vehicle unlocking button for more than **5 seconds** with the after ignition feed to deactivate automatic locking when driving (the locking when driving status is inactive). Press the vehicle locking button for more than **5 seconds** without the after ignition feed to lock the vehicle (specification for Spain).

\*RAID: Renault Anti-Intruder Device

\*CPE: Electric central door locking

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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UCH\_V44\_ET043/UCH\_V48\_ET043/UCH\_V4C\_ET043/  
UCH\_V4D\_ET043/UCH\_V4F\_ET043/UCH\_V50\_ET043

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| <b>ET044</b> | <u>CPE* BUTTON</u> |
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| <b>NOTES</b> | <p>There must be no present or stored faults.<br/>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b>.</p> |
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| <p>Check the condition and connection of the PE1 connector of the UCH (tabs bent, broken, oxidised etc.).<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check the condition and connection of the connector of the <b>Electric central door locking</b> switch (tabs bent, broken, oxidised, etc.).<br/>If the connector is faulty and if there is a repair method (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check the <b>insulation and continuity</b> of the following connections:</p> <ul style="list-style-type: none"> <li>● Connection code <b>20AW</b>,</li> <li>● Connection code <b>20M</b> between components <b>645</b> and <b>1391</b>.</li> </ul> <p>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p>  |
| <p>Check the <b>insulation and continuity</b> of the following connection:</p> <ul style="list-style-type: none"> <li>● Connection code <b>MAM</b> between component <b>1391</b> and <b>earth</b>.</li> </ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p>  |
| <p>Check:</p> <ul style="list-style-type: none"> <li>– The <b>continuity</b> of the following connections (<b>switch pressed</b>): <ul style="list-style-type: none"> <li>● Connection code <b>20M</b>,</li> <li>● Connection code <b>20AW</b> of component <b>1391</b>.</li> </ul> </li> <li>– The <b>insulation</b> of the following connections (<b>switch in rest position</b>): <ul style="list-style-type: none"> <li>● Connection code <b>20M</b>,</li> <li>● Connection code <b>20AW</b> of component <b>1391</b>.</li> </ul> </li> </ul> <p>Replace the switch if it is not correct.</p> |
| <p>If the fault is still present, contact the Techline.</p>   |

\*CPE: Electric central door locking

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| <b>ET045</b> | <u>RF* signal. RECEIVED</u> |
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| <b>NOTES</b> | <b>There must be no present or stored faults.</b>  |
|              | <b>Special note:</b><br>This status is used for the Unlocking/Locking and hands-free starting functions.<br>This status simply makes it possible to check the condition of the UCH internal receiver aerial. |

**ET045 NO** on pressing one of the card buttons.

Check with the vehicle's second card.

If the status changes to **YES**, check **ET066 Card button press received**.

If the status remains **NO**, perform a test with a card belonging to another vehicle.

If the fault is still present, contact the Techline.

\*RF: Radio frequency

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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UCH\_V44\_ET045/UCH\_V48\_ET045/UCH\_V4C\_ET045/  
UCH\_V4D\_ET045/UCH\_V4F\_ET045/UCH\_V50\_ET045

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| <b>ET046</b> | <u>ENGINE IMMOBILISER</u> |
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| <b>NOTES</b> | There must be no present or stored faults. |
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**ET046 Active** with starting request but no after ignition present.

Apply the fault finding procedure for **ALP 41 The vehicle does not start and after ignition feed fails with the card in the card reader.**

**ET046 Active** supply level after ignition feed present.

Check and repair if necessary:  
Status of engine immobiliser in the injection system; if **ACTIVE**, check the injection computer.  
If the fault is still present, contact your Techline.

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>ET047</b> | <u><b>BRAKE PEDAL POSITION</b></u> |
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| <b>NOTES</b> | <p>The accessories relay must operate.<br/>During pedal travel, it is possible to obtain an undetermined or inconsistent status for status <b>ET047</b> if the brake pedal is left in an "indeterminate zone", with the brake pedal switch in between the released position and the depressed position (see <b>System operation</b>).</p> <p>This treatment applies only in cases in which the status is inconsistent or undetermined, with full load on the accelerator or completely released from the brake pedal.</p> |
|              | <p><b>Special note:</b><br/>Switch on forced after ignition.<br/><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p>  |

**ET047 Inconsistency** with the pedal depressed.

Check the condition and connection of the brake pedal switch connector.  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Remove the brake pedal switch and check the insulation between connections **BPT** and **5A** of component **160** (switch piston free).  
Only replace the brake pedal switch if it is not correct.

Check the condition and connection of the UCH connector PE2.  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

With the UCH and brake pedal switch disconnected:  
Check the **insulation from + 12 V** of the following connection:  

- Connection code **5A**, between components **645** and **160**.

If the connection is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.  
The line is shared with the injection computer and the automatic transmission computer (if the vehicle is fitted with an automatic transmission). In the event of faulty insulation, use a wiring diagram to check the connections between the brake pedal switch connector and these computers.

If the fault is still present, contact the Techline.

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| ET047<br>CONTINUED 1 |  |
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**ET047 Undetermined** without depressing the pedal.

Check the condition and connection of the brake pedal switch connector.  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check for **+ 12 V** on connection **BPT** of component **160**.  
If not correct:

- Check the condition and connection UCH **connectorPP3**. If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.
- With the UCH and the brake pedal switch disconnected, check the insulation in relation to **earth** and the **continuity** of the following connection:
  - Connection code **BPT** between components **645** and **160**.

If the connection is faulty and if there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace the wiring.

Remove the brake pedal switch and check the **continuity** between connections **BPT** and **5A** of component **160** (switch piston pressed).  
Only replace the brake pedal switch if it is not correct.

Check the condition and connection of the UCH **connector PE2**.  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

With the UCH and brake light switch disconnected:  
Check the **insulation and continuity** of the following connection:

- Connection code **5A**, between components **645** and **160**.

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

The line is shared with the injection computer and the automatic transmission computer (if the vehicle is fitted with an automatic transmission).

In the event of faulty insulation, it is therefore necessary, using a wiring diagram, to check the connections between the brake pedal switch connector and these computers.

If the fault is still present, contact the Techline.

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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ET047  
CONTINUED 2

**ET047 Inconsistency** without depressing the pedal.

Check the condition and connection of the brake pedal switch connector.  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

With the brake pedal switch disconnected:  
Check the insulation between connections **65A** and **SP17** of component **160** (brake light switch piston pressed).  
Only replace the brake pedal switch if it is not correct.

Check the condition and connection of the UCH **connector PE2**.  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

With the UCH and brake pedal switch disconnected:  
Check the insulation in relation to **+ 12 V** of connection **5A** between components **645** and **160**.  
The line is shared with the ABS computer or the electronic stability program (ESP) relay (depending on equipment) and the brake lights.  
In the event of faulty insulation, use a wiring diagram to check the connections between the brake pedal switch connector and these components.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.



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| ET047<br>CONTINUED 3 |  |
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**ET047 Undetermined** with the pedal depressed.

Check the condition and connection of the brake pedal switch connector.  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

With the brake pedal switch disconnected:  
Check for **+ 12 V** on component **160** on connection **SP17**.  
If not correct:

- Check the condition and connection of fuse 1H in the passenger compartment relay and fuse box.
- Check the condition and the connection of the passenger compartment fuse and relay box connector. If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.
- Check **the insulation and continuity** of connection **SP17** between components **160** and **260**. If the connection is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If it is still faulty, contact Techline.

With the brake pedal switch disconnected:  
Check the **continuity** of the following connections:

- Connection code **65A**,
- Connection code **SP17** of component **160** (brake pedal switch piston free).

**Only** replace the brake pedal switch if it is not correct.

Check the condition and connection of the UCH **connector PE2**.  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

With the UCH and brake pedal switch disconnected:  
Check the **insulation and continuity** of the following connection:

- Connection code **65A** between components **645** and **160**.

If the connection is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.  
The line is shared with the ABS computer or the ESP relay (depending on equipment) and the brake lights. In the event of faulty insulation, it is therefore necessary, using a wiring diagram, to check the connections between the brake pedal switch connector and these components.

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>ET048</b> | <u>CLUTCH PEDAL POSITION</u> |
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| <b>NOTES</b> | There must be no present or stored faults.  |
|              | <b>Special note:</b><br>Switch on <b>forced after ignition</b> .<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |

**ET048 Released** with the pedal depressed.

Check the connection and condition of the connector for the clutch pedal switch.  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Remove the clutch pedal switch and check for **earth** on connection **MAN** of component **675**.  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **continuity** of the following connections:

- Connection code **26X**,
- Connection code **MAN** of component **675** (Brake pedal switch in pedal depressed position).

**Only** replace the clutch pedal switch if it is not correct.

Check the condition and connection of connector PE1 on the UCH.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **insulation and continuity** of the following connection:

- Connection code **26X** between components **645** and **675**.

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

If the fault is still present, contact the Techline.

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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**ET048**  
**CONTINUED**

**ET048 Depressed** without depressing the pedal.

Check the condition and connection of the clutch pedal switch connector.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Remove the clutch pedal switch and check the **insulation** between the **following connections**:

- Connection code **26X**,
- Connection code **MAN** of component **675** (Brake pedal switch in pedal released position).

**Only** replace the clutch pedal switch if it is not correct.

Check the condition and connection of connector PE1 on the UCH  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **insulation and continuity** of the following connection:

- Connection code **26X**. Between components **645** and **675**.

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

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

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| ET050 | <u>TAILGATE/BOOT</u> |
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| NOTES | There must be no present or stored faults.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
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Check the condition and connection of the PE1 connector of the UCH (tabs bent, broken, oxidised etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the condition and connection of the boot lock connector (bent, broken, oxidised tabs, etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **insulation and continuity** of the following connection:  
● Connection code **87T** between components **645** and **1322**.  
If the connection is faulty and there is a repair procedure (**see Technical Note 6015A, Electrical wiring repair, wiring: precautions for repair**), repair the wiring, otherwise replace it.

Check:  
The **insulation** of component **1332** on connections **87T** and **MZ** (tailgate lock contact in rest position).  
The **continuity** of component **1332** on connections **87T** and **MZ** (tailgate lock contact engaged).  
Replace the lock if it is not correct.

If the fault is still present, contact the Techline.

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| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| ET051 | <u>REAR LEFT-HAND DOOR</u> |
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| NOTES | There must be no present or stored faults.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
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Check the condition and connection of the PE1 connector of the UCH (tabs bent, broken, oxidised etc.).  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the condition and connection of the rear left-hand door lock connector (bent, broken, oxidised tabs, etc.).  
If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **insulation and continuity** of the following connection:  
● Connection code **87A** between components **645** and **139**.  
If the connection is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, wiring: precautions for repair**), repair the wiring, otherwise replace it.

Check:  
The **insulation** of component **139** on connections **87A** and **MZ** (door open).  
The **continuity** of component **139** on connections **87A** and **MZ** (door closed).  
Replace the lock if it is not correct.

If the fault is still present, contact the Techline.

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|--------------|---|
| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>ET052</b> | <u>REAR RIGHT-HAND DOOR</u> |
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| <b>NOTES</b> | There must be no present or stored faults.<br>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b> . |
|--------------|--|

Check the condition and connection of the PE1 connector of the UCH (tabs bent, broken, oxidised etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the condition and connection of the rear right-hand door lock connector (bent, broken, oxidised tabs, etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **insulation and continuity** of the following connection:  
● Connection code **87B** between components **645** and **138**.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check:  
The **insulation** of component **138** on connections **87B** and **MAQ** (door open).  
The **continuity** of component **138** on connections **87B** and **MAQ** (door closed).  
Replace the lock if it is not correct.

If the fault is still present, contact the Techline.

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>ET053</b> | <u>DRIVER'S DOOR</u> |
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| <b>NOTES</b> | There must be no present or stored faults.<br>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b> . |
|--------------|--|

Check the condition and connection of the PE1 connector of the UCH (tabs bent, broken, oxidised etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the condition and connection of the driver's side door lock connector (bent, broken, oxidised tabs, etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **insulation and continuity** of the following connection:  
● Connection code **87H** between components **645** and **140**.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check:  
The **insulation** of component **138** on connections **87B** and **MAQ** (door open).  
The **continuity** of component **138** on connections **87B** and **MAQ** (door closed).  
Replace the lock if it is not correct.

If the fault is still present, contact the Techline.

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|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| ET054 | <u>OPTICAL SENSORS SUPPLIED</u> |
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| <b>NOTES</b> | <p>After 72 hours without an attempt to open the vehicle, the UCH cuts out the optical sensors' power supply.</p> <p>To restore the power supply to the optical sensors, pull the handle to wake-up the UCH.</p> <p>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</p> |
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| <p>The vehicle has been immobilised for fewer than <b>72 hours</b>:</p> <p>Check that the UCH is in hands-free configuration by means of <b>LC001 Hands-free function</b> configuration reading.</p> <p>If everything is correct, contact the Techline.</p> | <p>The vehicle is immobilised after more than <b>72 hours</b>:</p> <p>Check the <b>insulation</b> against <b>12 V feed</b> of the following connection (door handle pulled):</p> <ul style="list-style-type: none"> <li>● Connection code <b>26Q</b> between components <b>645</b> and <b>1083</b>.</li> </ul> <p>Check the <b>insulation</b> against <b>12 V feed</b> of the following connection (door handle pulled):</p> <ul style="list-style-type: none"> <li>● Connection code <b>26Q</b> between components <b>645</b> and <b>1085</b>.</li> </ul> <p>Check the <b>earth</b> on connection <b>26Q</b> of the PE3 connector of the UCH by pulling a handle.</p> <p>Is there an earth?</p> |
|---|--|

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| <b>YES</b> | Contact the Techline. |
|------------|-----------------------|

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| <b>NO</b> | <p>Check the <b>continuity</b> on the following connection:</p> <ul style="list-style-type: none"> <li>● Connection code <b>26Q</b>.</li> </ul> <p>Between components <b>645</b> and <b>1083</b>.</p> <p>Between components <b>645</b> and <b>1085</b>.</p> <p>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> <p>Check the <b>earth</b> of component <b>1083</b> on connection <b>MAN</b>.</p> <p>Check the <b>earth</b> of component <b>1085</b> on connection <b>MAQ</b>.</p> <p>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p> <p>Check the <b>continuity</b> between connections <b>26Q</b> and <b>MAN</b> (with the handle pulled) of component <b>1083</b>; if there is insulation, replace the handle.</p> <p>Check the <b>continuity</b> between connections <b>26Q</b> and <b>MAQ</b> (with the handle pulled) of component <b>1085</b>; if there is insulation, replace the handle.</p> <p>If the fault is still present, contact the Techline.</p> |
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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
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|-------------------------|---|
| ET055<br>ET056<br>ET057 | <u>DRIVER'S SIDE FRONT OPTICAL SENSOR</u><br><u>DRIVER'S SIDE REAR OPTICAL SENSOR</u><br><u>PASSENGER SIDE FRONT/REAR OPTICAL SENSORS</u> |
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| <b>NOTES</b> | <b>No faults should be present or stored.</b><br>Switch the ignition on, then switch it off.<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |
|--------------|---|

Check that the status **ET054 Optical sensor supplied** is **YES**.  
Place your hand behind the door handle; make sure the corresponding status is **active**.  
If the status is **inactive**, lock the vehicle and pull the handle.  
Is the status **ACTIVE**?

**YES**

Check the condition of the reflective surface inside the handle (frost, dirt).  
Check the condition of the optical sensor.  
If necessary, replace the sensor.

**NO**

Check the **insulation and continuity** of the following connections:

- Connection code **26P**.  
Between components **645** and **1083**.  
Between components **645** and **1084**.  
Between components **645** and **1085**.  
Between components **645** and **1086**.
- Connection code **26T** between components **645** and **1084**.
- Connection code **26S** between components **645** and **1086**.
- Connection code **26Q**.  
Between components **645** and **1083**.  
Between components **645** and **1085**.
- Connection code **MAN** between component **1083** and **earth**.
- Connection code **MAM** between component **1084** and **earth**.
- Connection code **MAQ** between component **1085** and **earth**.
- Connection code **MZ** between component **1086** and **earth**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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UCH\_V44\_ET055/UCH\_V48\_ET055/UCH\_V4C\_ET055/UCH\_V4D\_ET055/UCH\_V4F\_ET055/UCH\_V50\_ET055/  
UCH\_V44\_ET056/UCH\_V48\_ET056/UCH\_V4C\_ET056/UCH\_V4D\_ET056/UCH\_V4F\_ET056/UCH\_V50\_ET056/  
UCH\_V44\_ET057/UCH\_V48\_ET057/UCH\_V4C\_ET057/UCH\_V4D\_ET057/UCH\_V4F\_ET057/UCH\_V50\_ET057

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| ET058<br>ET059 | <u>LCKG* BUTTON ON DRIVER'S SIDE HANDLES</u><br><u>LCKG* BUTTONS ON PASSENGER SIDE HANDLES</u> |
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| <b>NOTES</b> | There must be no faults present.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
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Check the condition and the connection of the door connector (tabs bent, broken, oxidised etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the condition and connection of the PE3 connector of the UCH (tabs bent, broken, oxidised etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check for an **earth** on connection **MAM** of component **1374**.  
Check for an **earth** on connection **MAN** of component **1375**.  
Check for an **earth** on connection **MZ** of component **1376**.  
Check for an **earth** on connection **MAQ** of component **1377**.  
If the connector or connection is faulty and if there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check **the insulation and continuity** of the following connections:

- Connection code **AP**.  
Between component **645** and **1374**.  
Between component **645** and **1376**.
- Connection code **AQ**.  
Between component **645** and **1375**.  
Between component **645** and **1377**.
- Connection code **MAM** between component **1374** and **earth**.
- Connection code **MAN** between component **1375** and **earth**.
- Connection code **MZ** between component **1376** and **earth**.
- Connection code **MAQ** between component **1377** and **earth**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

\*LCKG: locking

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| ET058<br><br>ET059<br>CONTINUED |  |
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Check the **insulation** of the following connections (handle in **Released position**) and the **continuity** of the following connections (handle in **Pressed position**):

- Connection code **26AP**,
- Connection code **MAM** of component **1374**.
- Connection code **26AQ**,
- Connection code **MAN** of component **1375**.
- Connection code **26AP**,
- Connection code **MZ** of component **1376**.
- Connection code **26AQ**,
- Connection code **MAQ** of component **1377**.

Replace the handle if necessary.

If the fault is still present, contact Techline.

\*LCKG: locking

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| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>ET060</b> | <u>LOCKING BUTTON ON TAILGATE</u> |
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| <b>NOTES</b> | <p>There must be no faults present.<br/>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
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| <p>Check the condition and connection of the transparent connector of the boot locking button (tabs crushed, broken, oxidised, etc.).<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check the condition and connection of the PE3 connector of the UCH (tabs bent, broken, oxidised etc.).<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check for an <b>earth</b> on connection <b>MZ</b> of component <b>1409</b>.<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check the <b>insulation and continuity</b> of the following connection:</p> <ul style="list-style-type: none"> <li>● Connection code <b>26AR</b> between components <b>645</b> and <b>1409</b>.</li> </ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>Check the <b>insulation</b> of the following connections (tailgate button in <b>Released position</b>) and the <b>continuity</b> of the following connections (tailgate button in <b>Pressed position</b>):</p> <ul style="list-style-type: none"> <li>● Connection code <b>26AR</b>,</li> <li>● Connection code <b>MZ</b> of component <b>1409</b>.</li> </ul> <p>Replace the button if necessary.</p>             |
| <p>If the fault is still present, contact Techline.</p>  |

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| ET061 | <u>TAILGATE OPENING REQUEST</u> |
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| NOTES | No faults should be present or stored.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
|-------|--|

ET061 Absent if button pressed.

Check the condition and connection of the PE3 connector of the UCH.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.  
Check for **earth** on connection **20G** of component **645 (Button pressed)**.  
Is there an **earth**?

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| YES | Contact the Techline. |
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| NO | <p>Check the condition and the connection of the switch connector.<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.<br/>Check for <b>earth</b> on connection <b>MZ</b> of component <b>560</b>.<br/>Check the <b>continuity</b> between connections <b>20G</b> and <b>MZ</b> of component <b>560 (Button pressed)</b>.<br/>If there is <b>insulation</b>, replace component <b>560</b>.<br/>Check the <b>continuity</b> on the following connection:</p> <ul style="list-style-type: none"> <li>● Connection code <b>20G</b> between components <b>645</b> and <b>560</b>.</li> </ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
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| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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**ET061**  
**CONTINUED**

**NOTES**

No faults should be present or stored.

**ET061 Present** if the button is pressed.

Check the **insulation** against **earth** on connection **20G** of component **645**.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **insulation** between connections **20G** and **MZ** of component **560**.  
If there is continuity, replace the switch.

If the fault is still present, contact Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

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| <b>ET066</b> | <u>CARD BUTTON PRESS RECEIVED</u> |
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| <b>NOTES</b> | <b>No faults should be present or stored.</b><br>The status is declared as <b>YES</b> when one of the buttons is pressed. |
|--------------|---|

**ET066 NO** despite pressing one of the buttons on the card.

Try pressing a button on a different card (card for the vehicle or another vehicle).  
If the status changes to **YES**, check the condition of the card battery in question. Replace the battery if necessary.  
If the status remains **NO**, check that there is no radio frequency interference in the area surrounding the vehicle.  
If the fault is still present, contact Techline.

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| ET067 | <u>CARD BUTTON PRESS RECOGNISED</u> |
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| NOTES | <b>No faults should be present or stored.</b><br>The status is declared as <b>YES</b> when one of the buttons is pressed. |
|-------|---|

**ET067 NO**, despite pressing one of the buttons on the card.

Resynchronise the cards by activating forced **after ignition** with the card in the card reader.

If the fault is still present and **ET066 Card button press received** is **YES**, program the cards.  
If **ET066 Card button press received** is **NO**, check the condition of the card battery. Replace the battery if necessary.

If the fault is still present, contact Techline.

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| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>ET068</b> | <u>SOURCE OF LAST LOCK</u> |
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| <b>NOTES</b> | No faults should be present or stored. |
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Indicates which mode is the source of the last locking or unlocking operation.

**AUTOMATIC:** The UCH orders locking if the opening of a door or a hands-free or card unlocking request is not detected within **30 seconds** after unlocking.

**CPE\*:** the UCH orders locking of the whole vehicle following a press on the electric central door locking button.

**HANDS-FREE:** detection of a close request by pressing of button in the handles or boot badge.

**RAID\* FUNCTION:** The UCH controls locking according to the speed signal from the vehicle.

**RENAULT CARD:** detection upon a button press.

**FAULT FINDING:** Request by **diagnostic tool** using command **AC004 Central locking of doors and boot**.

\*CPE: Electric central door locking

\*RAID: Renault Anti-Intruder Device

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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UCH\_V44\_ET068/UCH\_V48\_ET068/UCH\_V4C\_ET068/  
UCH\_V4D\_ET068/UCH\_V4F\_ET068/UCH\_V50\_ET068

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V10

|              |                              |
|--------------|------------------------------|
| <b>ET069</b> | <u>SOURCE OF LAST UNLOCK</u> |
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| <b>NOTES</b> | No faults should be present or stored. |
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Makes it possible to know what mode is the source of the last unlocking operation.

**HANDS-FREE:** detection of a hand in the handle.

**CPE\*:** the UCH orders unlocking of the whole vehicle following a press on the electric central door locking button.

**RENAULT CARD:** detection upon a button press.

**FAULT FINDING:** Request by **diagnostic tool** using command **AC005 Central unlocking of doors and boot**.

**IMPACT INFORMATION:** following an impact signal detected.

**AIRBAG:** following an impact signal detected.

\*CPE: Electric central door locking

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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|--------------|---------------------|
| <b>ET070</b> | <u>START BUTTON</u> |
|--------------|---------------------|

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| <b>NOTES</b> | No faults should be present or stored.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
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|   |
|---|
| Check the condition and connection of the start button connector (broken, bent, oxidised tabs).<br>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.  |
| Check for an <b>earth</b> on connection <b>MAM</b> of component <b>1087</b> .<br>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.  |
| Check the <b>continuity</b> (start button in <b>pressed</b> position) and <b>insulation</b> of the following connections (start button in <b>released</b> position): <ul style="list-style-type: none"><li>● Connection code <b>26N</b>,</li><li>● Connection code <b>MAM</b> of component <b>1087</b>.</li></ul> Replace the start button if necessary.  |
| Check the condition and connection of the PE1 connector of the UCH (tabs bent, broken, oxidised etc.).<br>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.   |
| Check <b>the insulation and continuity</b> of the following connections: <ul style="list-style-type: none"><li>● Connection code <b>26N</b>,</li><li>● Connection code <b>26M</b> between components <b>1087</b> and <b>645</b>.</li></ul> If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it. |
| If the fault is still present, contact Techline.  |

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>ET071</b> | <u>STEERING COLUMN LOCK BLANK</u> |
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| <b>NOTES</b> | <b>No faults should be present or stored.</b> |
|--------------|---|

If the steering column lock status remains **YES**, try to start the vehicle again.  
If the fault is still present, verify that the card has been authenticated by the UCH.  
Check that when depressing the clutch pedal or on the brake pedal or the start button that the UCH issues an unlock signal (if the steering column lock is locked).

If the fault is still present, contact Techline.

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>ET072</b> | <u>STEERING LOCK</u> |
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| <b>NOTES</b> | No faults should be present or stored. |
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If the status is INCONSISTENT, refer to dealing with fault **DF029 Steering column lock circuit**.

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>ET073</b> | <u>STEERING COLUMN LOCK SENSOR SIGNAL</u> |
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| <b>NOTES</b> | <p><b>No faults should be present or stored.</b><br/>The status should be <b>unlocked</b> with after ignition feed present or <b>semi activated</b> to <b>+ accessories</b>.</p>  |
|              | <p><b>Special note:</b><br/>Perform locking/unlocking.<br/>Check the power supply to the lock for <b>5 min</b> after the locking-unlocking operation.<br/><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |

**ET073 Faulty** when the steering column is not unlocked.  
**ET073 Short circuit** when the steering column is not unlocked.

Check the condition and connection of the steering column lock connector (tabs bent, broken, oxidised, etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the condition and connection of the PE2 connector of the UCH (tabs bent, broken, oxidised, etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **supply** of connection **26I** on the connector of component **1088**.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **continuity** of connection **NAM** on the connector of component **1088**.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **insulation and continuity** of the following connections:

- Connection code **26AZ**,
- Connection code **26BA**,
- Connection code **26J** of component **1088**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, wiring: precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact Techline.

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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**ET073**  
**CONTINUED**

**ET073 Unlocked** and + after ignition absent.

The status remains UNLOCKED, with the ignition off, in case of failure of the airbag system or the speed signal. If everything is OK, see dealing with fault **DF029: Steering column lock circuit**.

**ET073 Semi-activated** and + after ignition present.

In the **semi-activated** status, the lock bolt is pulled out, but the UCH cannot determine its position precisely. In case of inconsistency, contact the Techline.

**ET073 Undetermined**.

The status is **Undetermined**. in the event that neither the steering column lock nor the lock sensor can inform the UCH regarding its position.  
Refer to processing of the **DF029 Steering column lock circuit** fault.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

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| ET075 | <u>+ ACCESSORIES PRESENT</u> |
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|-------|---|
| NOTES | No faults should be present or stored.  |
|       | <b>Special note:</b><br>Check that the start switch operates correctly: <b>ET070 Start button.</b><br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |

ET075 is **YES** but **+ accessories** is absent.

Check for **+ 12 V** on component **260** (on the left-hand side of the centre console) on connection **BP11** (track **E1**).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the power-supply fuses.

Check that there is no **+ 12 V** on connection **S** of component **645** (with **+ after ignition feed**).

If **NO**, contact the techline.

If **YES**, check the **continuity** of the following connection:

- Connection code **S** between components **645** and **260**.

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

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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ET075  
CONTINUED

ET075 is **NO** but + accessories is present.

**NO**

Check for **+ 12 V** on connection **S** of component **645** (UCH output).  
If **NO**, contact the techline.  
Check for **+ 12 V** on connection **BP11** (track **E1**) of component **260**.  
Check the supply fuses, disconnect one by one to determine which line has the short circuit.  
If **YES**, check the **continuity and insulation** of the following connection:  
● Connection code **S** between components **645** and **260**.  
If the connection is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

|       |                             |
|-------|-----------------------------|
| ET077 | <u>WIPER STALK POSITION</u> |
|-------|-----------------------------|

|       |  |
|-------|--|
| NOTES | No faults should be present or stored.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
|-------|--|

In the event of an inconsistency, check the steering column control connectors.

Check **the insulation and continuity** of the following connections:

- Connection code **141D**,
- Connection code **141G**,
- Connection code **141H** between components **645** and **1519**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact Techline.

|              |   |
|--------------|---|
| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|--------------|---|

|                |   |
|----------------|---|
| ET078<br>ET079 | <u>WINDSCREEN WASHER REQUEST</u><br><u>REAR SCREEN WASHER REQUEST</u> |
|----------------|---|

|              |   |
|--------------|---|
| <b>NOTES</b> | There must be no faults present.<br>Use <b>Wiring Diagrams Technical Note</b> for MEGANE II or SCENIC II. |
|--------------|---|

**ET078 Absent** when the control stalk is pressed.  
**ET079 Absent** when the control stalk is pressed.

Check the steering column control connector (e.g.: connector connected, tabs bent, broken).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the PE1 connector of the UCH (e.g.: connector connected, tabs bent, broken).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

**Check for + 12 V** on connection **SP2** of component **1519**.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check **the continuity and insulation** of the following connections:

- Connection code **SP2** between components **260** and **1519**,
- Connection code **16A** between components **677** and **1519**,
- Connection code **MAN** between component **1519** and **earth**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Check the steering column control black connector.  
Check **the insulation** of the following connections:

- Connection code **SP2**,
- Connection code **16A** of component **1519**.

If there is **insulation**, replace the control.  
Check **the insulation** of the following connections:

- Connection code **SP2**,
- Connection code **24A** of component **1519**.

If there is **insulation**, replace the control.  
If **continuity**, contact the Techline.

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|              |                                  |
|--------------|----------------------------------|
| <b>ET080</b> | <u>REAR SCREEN WIPER REQUEST</u> |
|--------------|----------------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | No faults should be present or stored.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
|--------------|--|

**ET080 is Absent** with control stalk position on rear screen wiper requested.

Check the operation of the following statuses:

**ET082 Rear fog lights request:** Set the lighting stalk to rear fog lights.

**ET077 Wiper stalk position:** Set the windscreen wiper stalk to high speed position.

Check in the following table and apply the fault finding procedure according to the result obtained.

|   | Result 1   | Result 2  | Result 3  | Result 4          |
|---|------------|-----------|-----------|-------------------|
| <b>ET082 Rear fog lights request</b>            | Present    | Absent    | Absent    | Present           |
| <b>ET077 Wiper stalk position at high speed</b> | High speed | Low speed | Low speed | High speed        |
|   |            |           |           | See <b>ALP 10</b> |

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

ET080  
CONTINUED

Result 1

Check the **continuity and insulation** of the following connection:

- Connection code **141D** between components **645** and **1519**.

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

Result 2

Check the **continuity and insulation** of the following connection:

- Connection code **141N** between components **645** and **1519**.

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

Result 3

Check **the continuity and insulation of the following connections**:

- Connection code **141N** between components **645** and **1519**,
- Connection code **141D** between components **645** and **1519**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

|       |                                |
|-------|--------------------------------|
| ET081 | <u>LIGHTING STALK POSITION</u> |
|-------|--------------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | No faults should be present or stored.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
|--------------|--|

**ET081 is Dipped beam** with control stalk *at Off*.

Check the operation of the following statuses:

**ET084 Right-hand direction indicator request:** Set the control stalk to the right-hand direction indicator position.

**ET096 Windscreen wiper stalk intermittent speed ring position:** Set the speed ring to position 1.

Check in the following table and apply the fault finding procedure according to the result obtained.

|   | Result 1 | Result 2 | Result 3 | Result 4                                  |
|---|----------|----------|----------|---|
| <b>ET084 Right-hand direction indicator request</b>         | Present  | Absent   | Absent   | Present                                   |
| <b>ET096 Wiper stalk intermittent speed ring position 1</b> | 4        | 1        | 4        | 1   |
|   |          |          |          | <b>Change the steering column control</b> |

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|                      |  |
|----------------------|--|
| ET081<br>CONTINUED 1 |  |
| Result 1             | <p>Check the <b>continuity and insulation</b> of the following connection:</p> <ul style="list-style-type: none"><li>● Connection code <b>141B</b> between components <b>645</b> and <b>1519</b>.</li></ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p>   |
| Result 2             | <p>Check the <b>continuity and insulation</b> of the following connection:</p> <ul style="list-style-type: none"><li>● Connection code <b>141L</b> between components <b>645</b> and <b>1519</b>.</li></ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p>   |
| Result 3             | <p>Check <b>the continuity and insulation</b> of the following connections:</p> <ul style="list-style-type: none"><li>● Connection code <b>141B</b> between components <b>645</b> and <b>1519</b>,</li><li>● Connection code <b>141L</b> between components <b>645</b> and <b>1519</b>.</li></ul> <p>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> <p>If the fault is still present, contact the Techline.</p> |
| AFTER REPAIR         | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p>   |

**ET081**  
**CONTINUED 2**

**ET081 is Dipped beam** with control stalk position at *side lights requested*.

Check the operation of the following statuses:

**ET080 Rear screen wiper request:** Set control stalk to rear screen wiper.

**ET096 Windscreen wiper stalk intermittent speed ring position:** Set the speed ring to position 1.

Check in the following table and apply the fault finding procedure according to the result obtained.

|  | Result 1 | Result 2 | Result 3 | Result 4                                  |
|--|----------|----------|----------|---|
| <b>ET080 Rear screen wiper request</b>             | Present  | Absent   | Absent   | Present                                   |
| <b>ET096 Rear screen wiper speed ring position</b> | 4        | 1        | 4        | 1   |
|  |          |          |          | <b>Change the steering column control</b> |

Result 1

Check the **continuity and insulation** of the following connection:

- Connection code **141B** between components **645** and **1519**.

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

Result 2

Check the **continuity and insulation** of the following connection:

- Connection code **141N** between components **645** and **1519**.

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

Result 3

Check **the continuity and insulation of the following connections:**

- Connection code **141L**.
- Connection code **141N** between components **645** and **1519**.

If the connection(s) is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.



|                      |  |
|----------------------|--|
| ET081<br>CONTINUED 3 |  |
|----------------------|--|

ET081 is Dipped beam with control stalk position at *main beam headlights requested*.

Check the operation of the following statuses:  
**ET098 Trip Computer button:** Press the button at the end of the control stalk.  
**ET096 Windscreen wiper stalk intermittent speed ring position:** Set the speed ring to position 1.  
Check in the following table and apply the fault finding procedure according to the result obtained.

|  | Result 1 | Result 2 | Result 3 | Result 4                                 |
|--|----------|----------|----------|--|
| ET098 Trip Computer button                           | Present  | Absent   | Absent   | Present                                  |
| ET096 Windscreen wiper<br>intermittent ring position | 4        | 1        | 4        | 1  |
|  |          |          |          | Change the<br>steering<br>column control |

Result 1

Check **the continuity and insulation** of the following connections:

- Connection code **141B**.
- Connection code **141C** between components **645** and **1519**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

|              |   |
|--------------|---|
| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|--------------|---|

**ET081**  
**CONTINUED 4**

Result 2

Check **the continuity and insulation** of the following connections:

- Connection code **141H**.
- Connection code **141N** between components **645** and **1519**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Result 3

Check **the continuity and insulation of the following connections**:

- Connection code **141H**.
- Connection code **141B**.
- Connection code **141N**.
- Connection code **141C** between components **645** and **1519**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

**ET081**  
**CONTINUED 5**

**ET081 is Dipped beam** with control stalk position at ***hazard lights requested***.

Check the operation of the following statuses:

**ET077 Wiper stalk position:** Set the wiper stalk to Park position.

**ET096 Windscreen wiper stalk intermittent speed ring position:** Set the speed ring to position 1.

Check in the following table and apply the fault finding procedure according to the result obtained.

|  | Result 1 | Result 2              | Result 3              | Result 4                                  |
|--|----------|-----------------------|-----------------------|---|
| <b>ET077 Wiper stalk position</b>                        | Off      | Intermittent facility | Intermittent facility | Off                                       |
| <b>ET096 Windscreen wiper intermittent ring position</b> | 4        | 1                     | 4                     | 1   |
|  |          |                       |                       | <b>Change the steering column control</b> |

Result 1

Check the **continuity and insulation** of the following connection:

- Connection code **141C** between components **645** and **1519**.

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

Result 2

Check the **continuity and insulation** of the following connection:

- Connection code **141M** between components **645** and **1519**.

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

Result 3

Check **the continuity and insulation** of the following connections:

- Connection code **141C**.
- Connection code **141M** between components **645** and **1519**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

**AFTER REPAIR**

Carry out another fault finding check on the system.

Clear the stored faults.

Deal with any other faults.

**ET081**  
**CONTINUED 6**

**ET081 is Position** with control stalk position at *dipped headlights requested*.

Check the operation of the following statuses:

**ET077 Wiper stalk position:** Set the wiper stalk to Park position.

**ET096 Windscreen wiper stalk intermittent speed ring position:** Set the speed ring to position 1.

Check in the following table and apply the fault finding procedure according to the result obtained.

|  | Result 1 | Result 2              | Result 3              | Result 4                                  |
|--|----------|-----------------------|-----------------------|---|
| <b>ET077 Wiper stalk position</b>                        | Off      | Intermittent facility | Intermittent facility | Off                                       |
| <b>ET096 Windscreen wiper intermittent ring position</b> | 4        | 1                     | 4                     | 1   |
|  |          |                       |                       | <b>Change the steering column control</b> |

Result 1

Check the **continuity and insulation** of the following connection:

- Connection code **141C** between components **645** and **1519**.

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

Result 2

Check the **continuity and insulation** of the following connection:

- Connection code **141M** between components **645** and **1519**.

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

Result 3

Check **the continuity and insulation of the following connections:**

- Connection code **141C**.
- Connection code **141M** between components **645** and **1519**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.

Clear the stored faults.

Deal with any other faults.

|              |                                |
|--------------|--------------------------------|
| <b>ET082</b> | <u>REAR FOG LIGHTS REQUEST</u> |
|--------------|--------------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | No faults should be present or stored.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
|--------------|--|

**ET082** is **Absent** with control stalk position at rear fog light.

Check the operation of the following statuses:

**ET083 Left-hand direction indicator request:** Set the control stalk to the left-hand indicator position.

**ET080 Rear screen wiper request:** Set the wiper stalk to rear screen wiper position.

Check in the following table and apply the fault finding procedure according to the result obtained.

|  | Result 1 | Result 2 | Result 3 | Result 4         |
|--|----------|----------|----------|------------------|
| <b>ET083 Left-hand direction indicator request</b> | Present  | Absent   | Absent   | Present          |
| <b>ET080 Rear screen wiper request</b>             | Absent   | Present  | Absent   | Present          |
|  |          |          |          | See <b>ALP 4</b> |

|                 |  |
|-----------------|--|
| <b>Result 1</b> | <p>Check the <b>continuity and insulation</b> of the following connection:</p> <ul style="list-style-type: none"> <li>● Connection code <b>141D</b> between components <b>645</b> and <b>1519</b>.</li> </ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
|-----------------|--|

|                     |  |
|---------------------|--|
| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
|---------------------|--|

**ET082**  
**CONTINUED**

Result 2

Check the **continuity and insulation** of the following connection:

- Connection code **141K** between components **645** and **1519**.

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

Result 3

Check **the continuity and insulation of the following connections**:

- Connection code **141K**.
- Connection code **141D** between components **645** and **1519**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

|       |                                    |
|-------|------------------------------------|
| ET083 | <u>LEFT-HAND INDICATOR REQUEST</u> |
|-------|------------------------------------|

|       |  |
|-------|--|
| NOTES | No faults should be present or stored.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
|-------|--|

ET083 is **Absent** with control stalk position at left-hand indicator.

Check the operation of the following statuses:  
**ET084 Right-hand direction indicator request:** Set the control stalk to the left-hand direction indicator position.  
**ET082 Rear fog lights request:** set the lighting stalk to the rear fog lights position.  
Check in the following table and apply the fault finding procedure according to the result obtained.

|  | Result 1 | Result 2 | Result 3 | Result 4         |
|--|----------|----------|----------|------------------|
| ET084 Right-hand direction indicator request | Present  | Absent   | Absent   | Present          |
| ET082 Rear fog lights request                | Absent   | Present  | Absent   | Present          |
|  |          |          |          | See <b>ALP 4</b> |

Result 1

Check the **continuity and insulation** of the following connection:  
● Connection code **141G** between components **645** and **1519**.  
If the connection is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

|              |   |
|--------------|---|
| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|--------------|---|

ET083  
CONTINUED

Result 2

Check the **continuity and insulation** of the following connection:

- Connection code **141L** between components **645** and **1519**.

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

Result 3

Check **the continuity and insulation** of the following connections:

- Connection code **141G**.
- Connection code **141L** between components **645** and **1519**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.



|              |                                     |
|--------------|-------------------------------------|
| <b>ET084</b> | <u>RIGHT-HAND INDICATOR REQUEST</u> |
|--------------|-------------------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | No faults should be present or stored.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
|--------------|--|

**ET084** is **Absent** with control stalk position at right-hand indicator.

Check the operation of the following statuses:

**ET083 Left-hand direction indicator request:** Set the control stalk to the left-hand indicator position.

**ET096 Wiper stalk intermittent speed ring position, position 3:** set the lighting stalk in rear fog lights position.  
Check in the following table and apply the fault finding procedure according to the result obtained.

|   | Result 1 | Result 2 | Result 3 | Result 4         |
|---|----------|----------|----------|------------------|
| <b>ET083 Left-hand direction indicator request</b>                    | Present  | Absent   | Absent   | Present          |
| <b>ET096 Wiper stalk intermittent speed ring position, position 3</b> | 4        | 3        | 4        | 3                |
|   |          |          |          | See <b>ALP 5</b> |

|          |  |
|----------|--|
| Result 1 | <p>Check the <b>continuity and insulation</b> of the following connection:</p> <ul style="list-style-type: none"> <li>● Connection code <b>141L</b> between components <b>645</b> and <b>1519</b>.</li> </ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
|----------|--|

|                     |  |
|---------------------|--|
| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
|---------------------|--|

|                    |  |
|--------------------|--|
| ET084<br>CONTINUED |  |
|--------------------|--|

|          |  |
|----------|--|
| Result 2 | <p>Check the <b>continuity and insulation</b> of the following connection:</p> <ul style="list-style-type: none"><li>● Connection code <b>141G</b> between components <b>645</b> and <b>1519</b>.</li></ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p>   |
| Result 3 | <p>Check <b>the continuity and insulation of the following connections</b>:</p> <ul style="list-style-type: none"><li>● Connection code <b>141L</b>.</li><li>● Connection code <b>141G</b> between components <b>645</b> and <b>1519</b>.</li></ul> <p>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> <p>If the fault is still present, contact the Techline.</p> |

|              |  |
|--------------|--|
| AFTER REPAIR | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
|--------------|--|

|       |                                     |
|-------|-------------------------------------|
| ET085 | <u>HAZARD WARNING LIGHTS BUTTON</u> |
|-------|-------------------------------------|

|       |  |
|-------|--|
| NOTES | No faults should be present or stored.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
|-------|--|

ET085 is **Absent** with button pressed.

Check the **F16 15A** fuse of the passenger compartment fuse and relay box on the left-hand side of the centre console.  
Replace it if necessary.

Check the door/warning switch connector (e.g.: connector properly connected, tabs bent, broken, oxidised).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the PE2 and PE1 connectors (e.g. connector properly connected, tabs bent, broken, oxidised).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check for **+ 12 V** on connection **LPG** of component **1391**.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check **the insulation and continuity** of the following connections:

- Connection code **64F**.
- Connection code **64Q** between components **645** and **1391**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Check the following connections on component **1391** (button **pressed**):

- Connection code **64F**.
- Connection code **64Q**.

If there is **insulation**, replace the button.  
If there is **continuity**, contact the techline.

|              |   |
|--------------|---|
| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|--------------|---|

**ET085**  
**CONTINUED**

**NOTES**

No faults should be present or stored.

**ET085** is **Present** with button pressed.

Check the door/warning switch connector (e.g.: connector properly connected, tabs bent, broken, oxidised).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the PE2 and PE1 connectors (e.g. connector properly connected, tabs bent, broken, oxidised).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check **the insulation and continuity** of the following connections:

- Connection code **64F**.
- Connection code **64Q** between components **645** and **1391**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Check the following connections on component **1391** (button **pressed**):

- Connection code **64F**.
- Connection code **64Q**.

If there is **insulation**, replace the button.

If there is **continuity**, contact the techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

|       |  |
|-------|--|
| ET087 | <u>ONE-TOUCH WINDOW CONTROL/SR.* AUTHORISATION</u> |
|-------|--|

|       |  |
|-------|--|
| NOTES | No faults should be present or stored.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
|-------|--|

ET087 is **Active** and one or more one touch windows are not operating.

Check for **earth** on connection **21K** of window winder connector concerned.  
Is there an **earth**?

|    |  |
|----|--|
| NO | <p>Check for <b>earth</b> at the output of component <b>645</b> on connection <b>21K</b>.<br/>If there is no <b>earth</b>, contact Techline.</p> <p>If <b>earth</b> is present, check the <b>continuity and insulation</b> of the following connection:</p> <ul style="list-style-type: none"><li>● Connection code <b>21K</b>.<br/>Between components <b>645</b> and <b>201</b>.<br/>Between components <b>645</b> and <b>202</b>.<br/>Between components <b>645</b> and <b>203</b>.<br/>Between components <b>645</b> and <b>204</b>.<br/>Between components <b>645</b> and <b>304</b>.</li></ul> <p>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
|----|--|

|     |  |
|-----|--|
| YES | Run complete fault finding on the electric window motor. |
|-----|--|

\*SR: sunroof.

|              |   |
|--------------|---|
| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|--------------|---|

ET087  
CONTINUED

**ET087** is **Inactive** and one or more one touch windows are not operating.

Check that configuration **LC070 ONE-TOUCH WINDOW(S)/SR.\*** is **WITH**.

If **LC070** is **WITHOUT**, configure using **CF173 ONE-TOUCH WINDOW(S)/SR.\*** (can be configured during **configuration of the UCH** using the **SC008 UCH TYPE** command).

Run command **AC025 One touch window/SR.\* authorisation** and check for **earth** on connection **21K** of the window winder concerned.

Is there an earth?

**YES**

Operating conditions:

Door open if fault, check the doors.

+ accessories level power supply raised at least once.

**NO**

Run complete fault finding on the electric window motor.

\*SR: sunroof.

**AFTER REPAIR**

Carry out another fault finding check on the system.

Clear the stored faults.

Deal with any other faults.

|                |  |
|----------------|--|
| ET088<br>ET090 | <u>SOURCE OF DEADLOCK ACTIVATION</u><br><u>SOURCE OF DEADLOCK DEACTIVATION</u> |
|----------------|--|

|              |  |
|--------------|--|
| <b>NOTES</b> | No faults should be present or stored. |
|--------------|--|

Enables determination of what component is the source of the last locking or unlocking operation.

**ET088.**

**CARD:** upon pressing the card for the second time.

**HANDS-FREE:** on pressing the door handle button for the second time.

**FAULT FINDING:** using the **diagnostic tool, with the ignition on** and running command **AC004 Central locking of doors and boot**.

**ET090.**

**CPE\*:** on pressing the locking/unlocking button.

**CARD:** press on card button.

**HANDS-FREE:** placing a hand in the handle.

**FAULT FINDING:** using the **diagnostic tool, with the ignition on** and running command **AC005 Central door unlocking**.

**+ after ignition feed:** no deadlocking at this power supply level.

\*CPE: Electric central door locking.

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|       |   |
|-------|---|
| ET096 | <u>WIPER STALK INTERMITTENT SPEED RING POSITION</u> |
|-------|---|

|              |  |
|--------------|--|
| <b>NOTES</b> | No faults should be present or stored.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
|--------------|--|

ET096 is **Level 1** but with speed *level 2 requested*.

Check the operation of the following statuses:

**ET083 Left-hand direction indicator request:** Set the lighting stalk to the left-hand direction indicator.

**ET077 Wiper stalk position:** Set the windscreen wiper stalk to the low speed position.

Check in the following table and apply the fault finding procedure according to the result obtained.

|  | Result 1 | Result 2  | Result 3 | Result 4                                  |
|--|----------|-----------|----------|---|
| <b>ET083 Left-hand direction indicator request</b> | Present  | Absent    | Absent   | Present                                   |
| <b>ET077 Wiper stalk position</b>                  | Off      | Low speed | Off      | Low speed                                 |
|  |          |           |          | <b>Change the steering column control</b> |

|          |  |
|----------|--|
| Result 1 | <p>Check the <b>continuity and insulation</b> of the following connection:</p> <ul style="list-style-type: none"> <li>● Connection code <b>141K</b> between components <b>645</b> and <b>1519</b>.</li> </ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
|----------|--|

|                     |  |
|---------------------|--|
| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
|---------------------|--|



**ET096**  
**CONTINUED 1**

Result 2

Check the **continuity and insulation** of the following connection:

- Connection code **141H** between components **645** and **1519**.

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

Result 3

Check **the continuity and insulation of the following connections**:

- Connection code **141H**.
- Connection code **141K** between components **645** and **1519**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

**ET096**  
**CONTINUED 2**

**ET096** is **Level 1** but with speed **level 3** requested.

Check the operation of the following statuses:

**ET083 Left-hand direction indicator request:** Set the lighting stalk to the left-hand direction indicator.

**ET077 Wiper stalk position:** Set the windscreen wiper stalk to the low speed position.

Check in the following table and apply the fault finding procedure according to the result obtained.

|  | Result 1  | Result 2   | Result 3  | Result 4                                  |
|--|-----------|------------|-----------|---|
| <b>ET083 Left-hand direction indicator request</b> | Present   | Absent     | Absent    | Present                                   |
| <b>ET077 Wiper stalk position at High speed</b>    | Low speed | High speed | Low speed | High speed                                |
|  |           |            |           | <b>Change the steering column control</b> |

Result 1

Check the **continuity and insulation** of the following connection:

- Connection code **141H** between components **645** and **1519**.

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

Result 2

Check the **continuity and insulation** of the following connection:

- Connection code **141L** between components **645** and **1519**.

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

Result 3

Check **the continuity and insulation** of the following connections:

- Connection code **141N**.
- Connection code **141L** between components **645** and **1519**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.

Clear the stored faults.

Deal with any other faults.

|                      |  |
|----------------------|--|
| ET096<br>CONTINUED 3 |  |
|----------------------|--|

|              |  |
|--------------|--|
| <b>NOTES</b> | No faults should be present or stored. |
|--------------|--|

**ET096** is **Level 1** but with speed **level 4** requested.

Check the operation of the following statuses:

**ET077 Wiper stalk position:** set the windscreen wiper stalk to high speed.

**ET081 Lighting stalk position:** set the lighting stalk to main beam headlights position.

Check in the following table and apply the fault finding procedure according to the result obtained.

|  | Result 1          | Result 2  | Result 3          | Result 4                                  |
|--|-------------------|-----------|-------------------|---|
| <b>ET077 Wiper stalk position at high speed</b>                  | High speed        | Low speed | Low speed         | High speed                                |
| <b>ET081 Lighting stalk in the main beam headlights position</b> | Dipped headlights | Main beam | Dipped headlights | Main beam                                 |
|  |                   |           |                   | <b>Change the steering column control</b> |

|          |  |
|----------|--|
| Result 1 | <p>Check the <b>continuity and insulation</b> of the following connection:</p> <ul style="list-style-type: none"> <li>● Connection code <b>141H</b> between components <b>645</b> and <b>1519</b>.</li> </ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
|----------|--|

|                     |  |
|---------------------|--|
| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
|---------------------|--|

ET096  
CONTINUED 4

Result 2

Check the **continuity and insulation** of the following connection:

- Connection code **141K** between components **645** and **1519**.

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

Result 3

Check **the continuity and insulation** of the following connections:

- Connection code **141H**.
- Connection code **141K** between components **645** and **1519**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

|              |  |
|--------------|--|
| <b>ET097</b> | <u>REAR SCREEN WIPER PARK POSITION</u> |
|--------------|--|

|              |  |
|--------------|--|
| <b>NOTES</b> | No faults should be present or stored.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
|--------------|--|

**ET097 is Absent.**

Check the condition and connection of the rear screen wiper connector (tabs bent, broken, etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the condition and connection of the PE2 connector of the UCH (tabs bent, broken).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **insulation and continuity** of the following connection:  
● Connection code **36C** between components **645** and **211**.  
If the connection is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Check the **continuity** of the **earth** on connection **MZ** of component **211**.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the rear screen wiper motor.  
Check fitting.  
If everything is OK, replace the wiper motor.

If the fault is still present, contact the Techline.

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|              |                             |
|--------------|-----------------------------|
| <b>ET098</b> | <u>TRIP COMPUTER BUTTON</u> |
|--------------|-----------------------------|

|              |   |
|--------------|---|
| <b>NOTES</b> | <p><b>No faults should be present or stored.</b></p> <p>This status must change to Pressed when the button is pressed.</p> <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
|--------------|---|

**ET098** is **Released** with the button pressed.

Check the operation of the following statuses:

**ET082 Rear fog light request:** Set the lighting stalk to the rear fog light position.

**ET081 Lighting stalk position:** Set the lighting stalk to dipped headlights position.

Check in the following table and apply the fault finding procedure according to the result obtained.

|   | Result 1 | Result 2          | Result 3 | Result 4                                  |
|---|----------|-------------------|----------|---|
| <b>ET082 Rear fog lights request</b>                | Present  | Absent            | Absent   | Present                                   |
| <b>ET081 Dipped headlights wiper stalk position</b> | Off      | Dipped headlights | Off      | Dipped headlights                         |
|   |          |                   |          | <b>Change the steering column control</b> |

|                 |  |
|-----------------|--|
| <b>Result 1</b> | <p>Check the <b>continuity and insulation</b> of the following connection:</p> <ul style="list-style-type: none"> <li>● Connection code <b>141K</b> between components <b>645</b> and <b>1519</b>.</li> </ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
|                 | If the fault is still present, contact the Techline.   |

|                     |  |
|---------------------|--|
| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
|---------------------|--|

**ET098**  
**CONTINUED**

Result 2

Check **the continuity and insulation** of the following connections:

- Connection code **141D** between components **645** and **1519**.

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

If the fault is still present, contact the Techline.

Result 3

Check **the continuity and insulation** of the following connections:

- Connection code **141K**.
- Connection code **141D** between components **645** and **1519**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

|              |   |
|--------------|---|
| <b>ET108</b> | <u>AUTOMATIC GEARBOX LEVER POSITION</u> |
|--------------|---|

|              |  |
|--------------|--|
| <b>NOTES</b> | No faults should be present or stored. |
|--------------|--|

**ABSENT**, no automatic gearbox.  
**NOT IN NEUTRAL**, with a gear shift to position D.  
**NEUTRAL**, gear selector lever on position N.  
**REVERSE**, gear selector lever on position R.  
**P**, gear selector lever on position P.  
If there is an incorrect position, run fault finding on the automatic gearbox.  
If the fault is still present, contact Techline.

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|



|              |                             |
|--------------|-----------------------------|
| <b>ET109</b> | <u>REVERSE GEAR ENGAGED</u> |
|--------------|-----------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | No faults should be present or stored. |
|--------------|--|

**ET109** is **NO** when reverse gear is engaged.

Run complete fault finding on the Protection and Switching Unit.

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|       |   |
|-------|---|
| ET110 | <u>UCH REQUEST TO INJECTION COMPUTER OR PROTECTION AND SWITCHING UNIT</u> |
|-------|---|

|              |  |
|--------------|--|
| <b>NOTES</b> | No faults should be present or stored. |
|--------------|--|

This status gives information concerning the type of request made by the UCH to these computers.

**"ENGINE STOP"**: when an engine stop is requested.

**"INACTIVE"**: without action on the vehicle.

**" + AFTER IGNITION FEED"**: on pressing the start button for more than **5 seconds**.

**"START"**: when starting is requested.

If the status does not correspond to the current user request, carry out a test of the multiplex network.

If the fault is still present, contact Techline.

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|       |                                 |
|-------|---------------------------------|
| ET111 | <u>FRONT FOG LIGHTS REQUEST</u> |
|-------|---------------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | No faults should be present or stored.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
|--------------|--|

ET111 is **Absent** with the stalk in front fog lights position.

Check the operation of the following statuses:

**ET083 Left-hand direction indicator request:** Set the control stalk to the left-hand indicator.

**ET080 Rear screen wiper request:** Set control stalk to rear screen wiper request.

Check in the following table and apply the fault finding procedure according to the result obtained.

|  | Result 1 | Result 2 | Result 3 | Result 4                                  |
|--|----------|----------|----------|---|
| <b>ET083 Left-hand direction indicator request</b> | Present  | Absent   | Absent   | Present                                   |
| <b>ET080 Rear screen wiper request</b>             | Absent   | Present  | Absent   | Present                                   |
|  |          |          |          | <b>Change the steering column control</b> |

|          |  |
|----------|--|
| Result 1 | <p>Check the <b>continuity and insulation</b> of the following connection:</p> <ul style="list-style-type: none"> <li>● Connection code <b>141K</b> between components <b>645</b> and <b>1519</b>.</li> </ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
|----------|--|

|                     |  |
|---------------------|--|
| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
|---------------------|--|

ET111  
CONTINUED

Result 2

Check the **continuity and insulation** of the following connection:

- Connection code **141D** between components **645** and **1519**.

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

Result 3

Check **the continuity and insulation** of the following connections:

- Connection code **141K**.
- Connection code **141D** between components **645** and **1519**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

|       |                                  |
|-------|----------------------------------|
| ET112 | <u>INTERIOR LIGHTING CONTROL</u> |
|-------|----------------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | No faults should be present or stored.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
|--------------|--|

**ET112** is **Inactive** but the interior lights are operating.

Check whether the footwell/floor switches operate correctly; if **YES**, contact the Techline.

If **NO**, check the **earth** on connection **13AC** of component **645**, if there is an earth, check **the continuity and insulation** of the wiring harness between the UCH and the switch connectors (see wiring diagram).

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

If the fault is still present, replace the faulty switch.

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|       |                                  |
|-------|----------------------------------|
| ET113 | <u>AUTOMATIC LIGHTING BUTTON</u> |
|-------|----------------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | No faults should be present or stored.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
|--------------|--|

|  |
|--|
| ET113 Released with one press on the button. |
|--|

Check the operation of the following statuses:

**ET083 Left-hand direction indicator request:** Set the control stalk to the left-hand indicator.

**ET096 Windscreen wiper stalk intermittent speed ring position:** Set the stalk to the rear fog light position.  
Check in the following table and apply the fault finding procedure according to the result obtained.

|   | Result 1 | Result 2 | Result 3 | Result 4                           |
|---|----------|----------|----------|------------------------------------|
| ET083 Left-hand direction indicator request       | Present  | Absent   | Absent   | Present                            |
| ET096 Windscreen wiper intermittent ring position | 4        | 1        | 4        | 1                                  |
|   |          |          |          | Change the steering column control |

|          |  |
|----------|--|
| Result 1 | <p>Check the <b>continuity and insulation</b> of the following connection:</p> <ul style="list-style-type: none"> <li>● Connection code <b>141L</b> between components <b>645</b> and <b>1519</b>.</li> </ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
|----------|--|

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

**ET113**  
**CONTINUED**

Result 2

Check the **continuity and insulation** of the following connection:

- Connection code **141M** between components **645** and **1519**.

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

Result 3

Check **the continuity and insulation** of the following connections:

- Connection code **141M**.
- Connection code **141C** between components **645** and **1519**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

|              |                                     |
|--------------|-------------------------------------|
| <b>ET114</b> | <u>WIPER REQUEST BY RAIN SENSOR</u> |
|--------------|-------------------------------------|

|              |   |
|--------------|---|
| <b>NOTES</b> | <p><b>No faults should be present or stored.</b></p> <p>Make sure that the vehicle is fitted with the rain and light sensor.</p> <p>The status should change to <b>ACTIVE</b> if there is any water on the windscreen on the sensor position.</p> <p>Make sure that the other positions of the wiper control are working properly.</p> <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
|--------------|---|

|   |
|---|
| <p>Check the condition and connection of the rain and light sensor connector (tabs broken, bent, oxidised).</p> <p>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check the <b>+ 12 V</b> APC on connection <b>BPT</b> of component <b>1415</b>.</p> <p>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>If the <b>+ 12 V</b> feed is not correct, check <b>the insulation, continuity and the absence of interference resistance</b> of the following connection:</p> <ul style="list-style-type: none"> <li>● Connection code <b>BPT</b> between components <b>645</b> and <b>1415</b>.</li> </ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>If the <b>+ 12 V</b> feed is not correct for vehicles manufactured after June 2005, check <b>the insulation, continuity and the absence of interference resistance</b> on the following connection:</p> <ul style="list-style-type: none"> <li>● Connection code <b>BPT</b> between component <b>645</b> and fuse <b>F5F (7.5A)</b> (on the Protection and Switching Unit).</li> </ul>   |
| <p>Check for <b>earth</b> on the <b>MAM</b> connection of component <b>1415</b>.</p> <p>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check the condition and connection of the UCH connector (tabs broken, bent, oxidised).</p> <p>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check <b>the insulation, continuity and the absence of interference resistance</b> on the following connection:</p> <ul style="list-style-type: none"> <li>● Connection code <b>14S</b> between components <b>645</b> and <b>1415</b>.</li> </ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p>   |
| <p>Check configuration <b>LC044 Rain/light sensor</b>.</p>  |
| <p>If the fault is still present, contact Techline.</p>   |

|                     |  |
|---------------------|--|
| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
|---------------------|--|



|       |  |
|-------|--|
| ET115 | <u>REQUEST FROM LIGHT SENSOR TO SWITCH ON HEADLIGHTS</u> |
|-------|--|

|              |   |
|--------------|---|
| <b>NOTES</b> | <p><b>No faults should be present or stored.</b></p> <p>Make sure that the vehicle is fitted with the rain and light sensor.</p> <p>The status should change to <b>ACTIVE</b> when the sensor is hidden from the surrounding light by placing a thumb over it or in darkness.</p> <p>Make sure that the other lighting control positions are working properly.</p> <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
|--------------|---|

Check the condition and connection of the rain and light sensor connector (tabs broken, bent, oxidised).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **+ 12 V** APC on connection **BPT** of component **1415**.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

If the **+ 12 V** feed is not correct, check **the insulation, continuity and the absence of interference resistance** of the following connection:

- Connection code **BPT** between components **645** and **1415**.

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

If the **+ 12 V** feed is not correct for vehicles manufactured after June 2005, check **the insulation, continuity and the absence of interference resistance** on the following connection:

- Connection code **BPT** between component **645** and fuse **F5F (7.5A)** (on the Protection and Switching Unit).

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

|                     |  |
|---------------------|--|
| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
|---------------------|--|

ET115  
CONTINUED

Check for **earth** on the **MAM** connection of component **1415**.

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

Check the condition and connection of the UCH connector (tabs broken, bent, oxidised).

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

Check **the insulation, continuity and the absence of interference resistance** on the following connection:

- Connection code **14S** between components **645** and **1415**.

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

Check configuration **LC044 Rain/light sensor**.

If the fault is still present, contact Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

|                |   |
|----------------|---|
| ET159<br>ET160 | <u>REAR LEFT-HAND DOOR CHILD SAFETY LOCK</u><br><u>REAR RIGHT-HAND DOOR CHILD SAFETY LOCK</u> |
|----------------|---|

|              |  |
|--------------|--|
| <b>NOTES</b> | No faults should be present or stored.   |
|              | Check that configuration <b>LC035 Child safety lock</b> is <b>WITH</b> , if not perform configuration using specific command <b>SC016 Child safety lock</b> (see <b>Configurations and programming</b> ). Status only visible if <b>Vdiag 4C, 4D, 4F and 50 UCH</b> .<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |

**IMPORTANT**

After disconnecting the battery, there may be an inconsistency between a request on the switch and the status of one or two lock(s).

In this case, deactivate and reactivate the switch until the warning light comes on when the switch is pressed.

Check the condition and connection of the lock connector (broken, bent, oxidised tabs).

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

Check the condition and connection of the PP2 connector of the UCH (tabs broken, bent, oxidised).

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

Check for **earth** on connection **MZ** of component **139** or on connection **MAQ** of component **138**.

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

Check the **insulation, continuity and the absence of interference resistance** on the following connections:

- Connection code **87A** between components **645** and **139**.
- Connection code **87B** between components **645** and **138**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Replace the faulty lock.

If the fault is still present, contact Techline.

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

UCH\_V44\_ET159/UCH\_V48\_ET159/UCH\_V4C\_ET159/UCH\_V4D\_ET159/  
UCH\_V4F\_ET159/UCH\_V50\_ET159/UCH\_V44\_ET160/UCH\_V48\_ET160/  
UCH\_V4C\_ET160/UCH\_V4D\_ET160/UCH\_V4F\_ET160/UCH\_V50\_ET160

|              |               |
|--------------|---------------|
| <b>ET169</b> | <u>Engine</u> |
|--------------|---------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | No faults should be present or stored. |
|--------------|--|

|   |
|---|
| In the event of an inconsistency, test the multiplex network (see <b>88B, Multiplexing</b> ).   |
| Run fault finding on the injection system (see <b>13B, Diesel injection</b> , or see <b>17B, Petrol injection</b> or <b>17C, Gas injection</b> ). |
| If the fault is still present, contact Techline.  |

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|              |                                   |
|--------------|-----------------------------------|
| <b>ET229</b> | <u>INJECTION IMMOBILISER CODE</u> |
|--------------|-----------------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | <b>No faults should be present or stored.</b>  |
|              | Apply the checks only if the status remains <b>INCORRECT</b> after the ignition is switched off and back on. |

|                  |  |
|------------------|--|
| <b>INCORRECT</b> | Try to start the vehicle, ensuring that the steering column lock unlocks properly and that the <b>+ after ignition feed</b> has been established on the vehicle using <b>ET014 Control power level</b> . |
|                  | First check the operation of status <b>ET046 Engine immobiliser</b> .  |
|                  | Carry out a multiplex network test.  |
|                  | Run fault finding on the injection system.   |
|                  | If the fault is still present, contact the Techline.   |

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|       |                          |
|-------|--------------------------|
| ET230 | <u>CHILD SAFETY LOCK</u> |
|-------|--------------------------|

|       |  |
|-------|--|
| NOTES | No faults should be present or stored. |
|-------|--|

ET230 is **Inactive** but the child safety lock switch has been pressed.

Verify that **ET233 Childproof lock switch** is **Pressed**.

If **Inactive**, refer to interpretation of **ET233**.

If **Press**, check using configuration reading **LC035 Childproof locks** that the UCH is correctly configured as **WITH childproof locks**.

If **WITHOUT**, configuration **WITH child safety lock** is carried out with special command **SC016 Child safety lock** (V4C, V4D, V4F and V50).

If **WITH**, check that all the doors are correctly closed, using the following statuses:

**ET053: Driver's door**

**ET042: Passenger door**

**ET051: Rear left-hand door**

**ET052: Rear right-hand door**

If the fault is still present, contact Techline.

|              |   |
|--------------|---|
| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|--------------|---|

|              |                               |
|--------------|-------------------------------|
| <b>ET233</b> | <u>CHILDPROOF LOCK SWITCH</u> |
|--------------|-------------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | No faults should be present or stored.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
|--------------|--|

|  |
|--|
| <p>Check the condition and connection of the PE1 connector of the UCH (tabs broken, bent, oxidised).<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check the condition and connection of the child safety lock switch connector (bent, oxidised, broken tabs).<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check for an <b>earth</b> on connection <b>MAM</b> of component <b>135</b>.<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check the <b>insulation, continuity and the absence of interference resistance</b> on the following connection:<br/>● Connection code <b>20AL</b> between components <b>645</b> and <b>135</b>.<br/>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>Check the <b>insulation</b> between connections <b>20AL</b> and <b>MAM</b> of component <b>135</b> (Released position).<br/>Check the <b>continuity</b> between connections <b>20AL</b> and <b>MAM</b> of component <b>135</b> (Pressed position).<br/>Replace the switch if necessary.</p>   |
| <p>If the fault is still present, contact Techline.</p>  |

|                     |  |
|---------------------|--|
| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
|---------------------|--|

| Tool parameter | Diagnostic tool title                       |
|----------------|---|
| PR001          | Battery voltage                             |
| PR002          | External temperature                        |
| PR003          | Front left-hand wheel pressure              |
| PR004          | Front right-hand wheel pressure             |
| PR005          | Rear right-hand wheel pressure              |
| PR006          | Rear left-hand wheel pressure               |
| PR008          | Vehicle speed                               |
| PR009          | Front wheel low speed recommended pressure  |
| PR010          | Rear wheel low speed recommended pressure   |
| PR011          | Rear wheels high-speed recommended pressure |
| PR012          | Front wheel high speed recommended pressure |
| PR013          | Number of cards programmed                  |
| PR014          | Left/right pressure difference threshold    |
| PR015          | Low under-inflation threshold               |
| PR017          | Cold over-inflation threshold               |
| PR018          | Warm over-inflation threshold               |
| PR019          | Front left-hand tyre temperature            |
| PR020          | Front right-hand tyre temperature           |
| PR021          | Rear right-hand tyre temperature            |
| PR022          | Rear left-hand tyre temperature             |
| PR023          | Heat difference threshold between wheels    |
| PR059          | Puncture report threshold                   |



|              |                        |
|--------------|------------------------|
| <b>PR001</b> | <u>BATTERY VOLTAGE</u> |
|--------------|------------------------|

|              |   |
|--------------|---|
| <b>NOTES</b> | Check that the battery terminals are correctly tightened. |
|--------------|---|

Check the consistency between the battery voltage measurement from the multimeter and the value of **PR004**

**Battery voltage.**  
Engine stopped: **11 V < X < 13.5 V**.  
Engine running: **10.5 V < X < 16 V**.  
If the voltage values are not consistent (greater than **0.3 V** difference between the 2 values), check the connection between the **+ battery feed** and the Protection and Switching Unit.  
If the values are consistent, run fault finding on the battery and charging circuit (see **Technical Note 6014A, Checking the charging circuit, 16A, Starting - Charging**).

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|              |                             |
|--------------|-----------------------------|
| <b>PR002</b> | <u>EXTERNAL TEMPERATURE</u> |
|--------------|-----------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
|--------------|--|

Check the temperature sensor connector (e.g.: connector incorrectly connected, pins bent, broken, oxidised, etc.). If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the UCH connector (e.g.: connector incorrectly connected, pins bent, broken, oxidised, etc.). If the connector is faulty and if there is a repair method (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **continuity and insulation** of the following connections:

- Connection code **47C**.
- Connection code **47D**.

Between components **645** and **245**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Measure the sensor resistance on **tracks 1 and 2**.

| Approximate temperature in °C | Sensor resistance in Ω |
|-------------------------------|------------------------|
| Between 0 and 5               | Between 5400 and 6200  |
| Between 11 and 15             | Between 3700 and 4400  |
| Between 21 and 25             | Between 2500 and 3000  |
| Between 31 and 35             | Between 1700 and 2100  |

Replace the sensor if necessary.

If the fault is still present, contact the Techline.

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|                                  |  |
|----------------------------------|--|
| PR003<br>PR004<br>PR005<br>PR006 | <u>FRONT LEFT-HAND WHEEL TYRE PRESSURE</u><br><u>FRONT RIGHT-HAND WHEEL TYRE PRESSURE</u><br><u>REAR RIGHT-HAND WHEEL TYRE PRESSURE</u><br><u>REAR LEFT-HAND WHEEL TYRE PRESSURE</u> |
|----------------------------------|--|

|       |   |
|-------|---|
| NOTES | <p><b>There must be no faults present.</b></p> <p>Carry out this fault finding procedure after detecting a discrepancy in the parameter displays.</p> |
|-------|---|

**When communication is established, the default value of the parameters is displayed (0 bar). By creating a leak or using a road test, force each valve to transmit to discover the actual pressure levels measured by the sensors during the fault finding procedure.**

In all cases, compare whether the pressures displayed on the **diagnostic tool** correctly match the readings on the pressure gauge (to within **0.2 bar**).

If the readings do not correspond, you may encounter two possible scenarios:

**1st case:** The parameters still display **0 bar**.  
This means that the wheel valve codes do not correspond to the wheel set programmed into the UCH. (When the UCH receives the valve codes, it will not recognise them because they do not correspond to the wheel set codes already programmed, which are the only ones it will recognise). To rectify this:  
Start the programming procedure using command **SC002 Program the 4 valve codes** (see **Configurations and programming**).

**2nd case:** Parameters **PR003** to **PR006** display incorrect values (other than **0 bar**).  
If the pressures differ, there is a fault on the valve. Replace the faulty valve. Follow programming procedure: **SC002** (see **Configurations and programming**).  
After programming, repeat the fault finding procedure from the beginning.

|              |                                  |
|--------------|----------------------------------|
| AFTER REPAIR | Repeat the check from the start. |
|--------------|----------------------------------|

UCH\_V44\_PR003/UCH\_V48\_PR003/UCH\_V4C\_PR003/UCH\_V4D\_PR003/UCH\_V4F\_PR003/UCH\_V50\_PR003/UCH\_V44\_PR004/  
UCH\_V48\_PR004/UCH\_V4C\_PR004/UCH\_V4D\_PR004/UCH\_V4F\_PR004/UCH\_V50\_PR004/UCH\_V44\_PR005/UCH\_V48\_PR005/  
UCH\_V4C\_PR005/UCH\_V4D\_PR005/UCH\_V4F\_PR005/UCH\_V50\_PR005/UCH\_V44\_PR006/UCH\_V48\_PR006/UCH\_V4C\_PR006/  
UCH\_V4D\_PR006/UCH\_V4F\_PR006/UCH\_V50\_PR006

|              |                      |
|--------------|----------------------|
| <b>PR008</b> | <u>VEHICLE SPEED</u> |
|--------------|----------------------|

|              |       |
|--------------|-------|
| <b>NOTES</b> | None. |
|--------------|-------|

Run complete fault finding on the ABS (See section **38C Anti-lock braking system**) and on the Protection and Switching Unit (see section **87B Passenger compartment connection unit**).

If the fault is still present, contact the Techline.

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|       |   |
|-------|---|
| PR009 | <u>FR* WHEEL LOW SPEED REC* PRESSURE</u>  |
| PR010 | <u>RR* WHEEL LOW SPEED REC* PRESSURE</u>  |
| PR011 | <u>RR* WHEEL HIGH SPEED REC* PRESSURE</u> |
| PR012 | <u>FR* WHEEL HIGH SPEED REC* PRESSURE</u> |

|       |   |
|-------|---|
| NOTES | <p><b>There must be no present or stored faults.</b></p> <p>Carry out this fault finding procedure after detecting a discrepancy between the pressures recommended by the manufacturer and those stored in the UCH.</p> <p><b>Warning:</b></p> <p>Use <b>Workshop Repair Manual 364 (Mégane II) or 370 (Scénic II)</b> or refer to the pressure label attached to the driver's door to obtain the recommended pressures for the tyres <b>actually installed on the vehicle</b>.</p> |
|-------|---|

|   |
|---|
| <p>If, after comparing with the manufacturer's data (see <b>MR 364 (Mégane II) or MR 370 (Scénic II), 35A</b>), the recommended pressures stored in the UCH do not conform, reprogram the recommended pressures using command <b>VP005 Enter recommended pressures</b> (see <b>Configurations and programming</b>).</p> <p>If the recommended pressures cannot be entered properly, contact Techline.</p> |
|---|

- \* FR: Front
- \* RR: Rear

|              |                                  |
|--------------|----------------------------------|
| AFTER REPAIR | Repeat the check from the start. |
|--------------|----------------------------------|

UCH\_V44\_PR009/UCH\_V48\_PR009/UCH\_V4C\_PR009/UCH\_V4D\_PR009/UCH\_V4F\_PR009/UCH\_V50\_PR009/UCH\_V44\_PR010/  
UCH\_V48\_PR010/UCH\_V4C\_PR010/UCH\_V4D\_PR010/UCH\_V4F\_PR010/UCH\_V50\_PR010/UCH\_V44\_PR011/UCH\_V48\_PR011/  
UCH\_V4C\_PR011/UCH\_V4D\_PR011/UCH\_V4F\_PR011/UCH\_V50\_PR011/UCH\_V44\_PR012/UCH\_V48\_PR012/UCH\_V4C\_PR012/  
UCH\_V4D\_PR012/UCH\_V4F\_PR012/UCH\_V50\_PR012

# PASSENGER COMPARTMENT CONNECTION UNIT

## Fault finding - Command summary table

**87B**

| Tool command | Diagnostic tool title                           | Vdiag                                       |
|--------------|---|---|
| <b>AC003</b> | Immobiliser warning light                       | <b>V44, V48,<br/>V4C, V4D,<br/>V4F, V50</b> |
| <b>AC004</b> | Central door locking                            |   |
| <b>AC005</b> | Central door unlocking                          |   |
| <b>AC006</b> | Driver's door unlocking                         |   |
| <b>AC007</b> | Rear screen wiper                               |   |
| <b>AC008</b> | Front fog lights                                |   |
| <b>AC009</b> | Rear fog lights                                 |   |
| <b>AC015</b> | Air conditioning button indicator light         |   |
| <b>AC016</b> | RCH* 1 relay                                    |   |
| <b>AC017</b> | RCH* 2 relay                                    |   |
| <b>AC018</b> | RCH* 3 relay                                    |   |
| <b>AC019</b> | Heated rear screen indicator light              |   |
| <b>AC020</b> | CPE* button indicator light                     |   |
| <b>AC021</b> | Interior lights                                 |   |
| <b>AC022</b> | Left-hand direction indicator                   |   |
| <b>AC023</b> | Right-hand direction indicator                  |   |
| <b>AC024</b> | Card reader lighting                            |   |
| <b>AC025</b> | One-touch window control/SR.* authorisation     |   |
| <b>AC026</b> | Start button lighting                           |   |
| <b>AC027</b> | Footwell lights                                 |   |
| <b>AC030</b> | Headlight washer relay 1 (only if Vdiag 44 UPC) |   |
| <b>AC031</b> | Headlight washer relay 2 (only if Vdiag 44 UPC) |   |
| <b>AC032</b> | Driver's side external aerial testing           |   |
| <b>AC033</b> | Passenger's side external aerial testing        |   |
| <b>AC034</b> | Boot external aerial test                       |   |
| <b>AC036</b> | Internal aerial test                            |   |
| <b>AC037</b> | Transmitter aerial fault finding                |   |
| <b>AC076</b> | Child safety lock indicator light               |   |

\*RCH: Passenger Compartment Heating Resistor

\*CPE: Electric central door locking

\*SR.: Sunroof

# PASSENGER COMPARTMENT CONNECTION UNIT Fault finding - Command summary table

**87B**

| Special commands | Description                                | Vdiag                                       |
|------------------|--|---|
| <b>SC001</b>     | Reading the valve set and the stored codes | <b>V44, V48,<br/>V4C, V4D,<br/>V4F, V50</b> |
| <b>SC002</b>     | Programming the 4 valve codes              |   |
| <b>SC003</b>     | Spare                                      |   |
| <b>SC004</b>     | UCH programming                            |   |
| <b>SC005</b>     | Card check                                 |   |
| <b>SC006</b>     | Card allocation                            |   |
| <b>SC008</b>     | Type of UCH                                |   |
| <b>SC016</b>     | Child safety lock                          | <b>V4C, V4D,<br/>V4F, V50</b>               |

| Settings     | Description                           | Vdiag                                       |
|--------------|---------------------------------------|---|
| <b>VP004</b> | Enter VIN                             | <b>V44, V48,<br/>V4C, V4D,<br/>V4F, V50</b> |
| <b>VP005</b> | Entering recommended pressures        |   |
| <b>VP016</b> | New vehicle storage mode deactivation | <b>V4F, V50</b>                             |

|              |                                    |
|--------------|------------------------------------|
| <b>AC003</b> | <u>IMMOBILISER INDICATOR LIGHT</u> |
|--------------|------------------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | <p><b>No faults should be present or stored.</b></p> <p>The instrument panel must be detected as present on the multiplex network.</p> <p>This command is for testing whether the immobiliser warning light is working.</p> <p>The command lasts <b>10 seconds</b>.</p> <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
|--------------|--|

The immobiliser indicator light does not come on when the command is performed.

Check the condition and connection of the instrument panel connector.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

With the command running, check for **earth** on connection **88T** of component **427**.  
If okay, replace the instrument panel.

Check the condition and connection of connector PE2 on the UCH  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **insulation and continuity** of the following connection:  

- Connection code **20W** between components **645** and **427**.

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

If the fault is still present, contact Techline.

|                     |  |
|---------------------|--|
| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
|---------------------|--|



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|-------|----------------------------|
| AC004 | <u>LOCK DOORS AND BOOT</u> |
|-------|----------------------------|

|       |  |
|-------|--|
| NOTES | <p><b>No faults should be present or stored.</b></p> <p>This command is for testing locking relay operation.</p> <p>Note:</p> <p>The driver's door circuit is shared with the fuel tank flap circuit.</p> <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
|-------|--|

One or more doors do not lock when the command is activated.

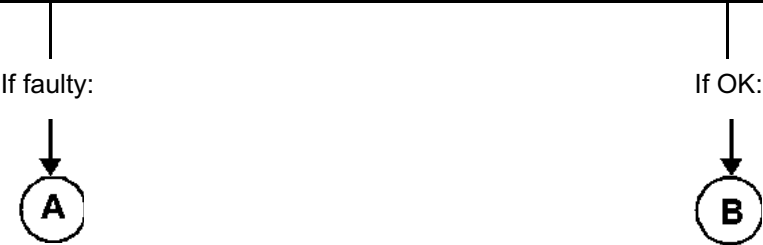
Check the condition and connection of the PP2 connector on the UCH.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the condition and connection of the connector on the faulty lock(s).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check for **earth** on the following connections:

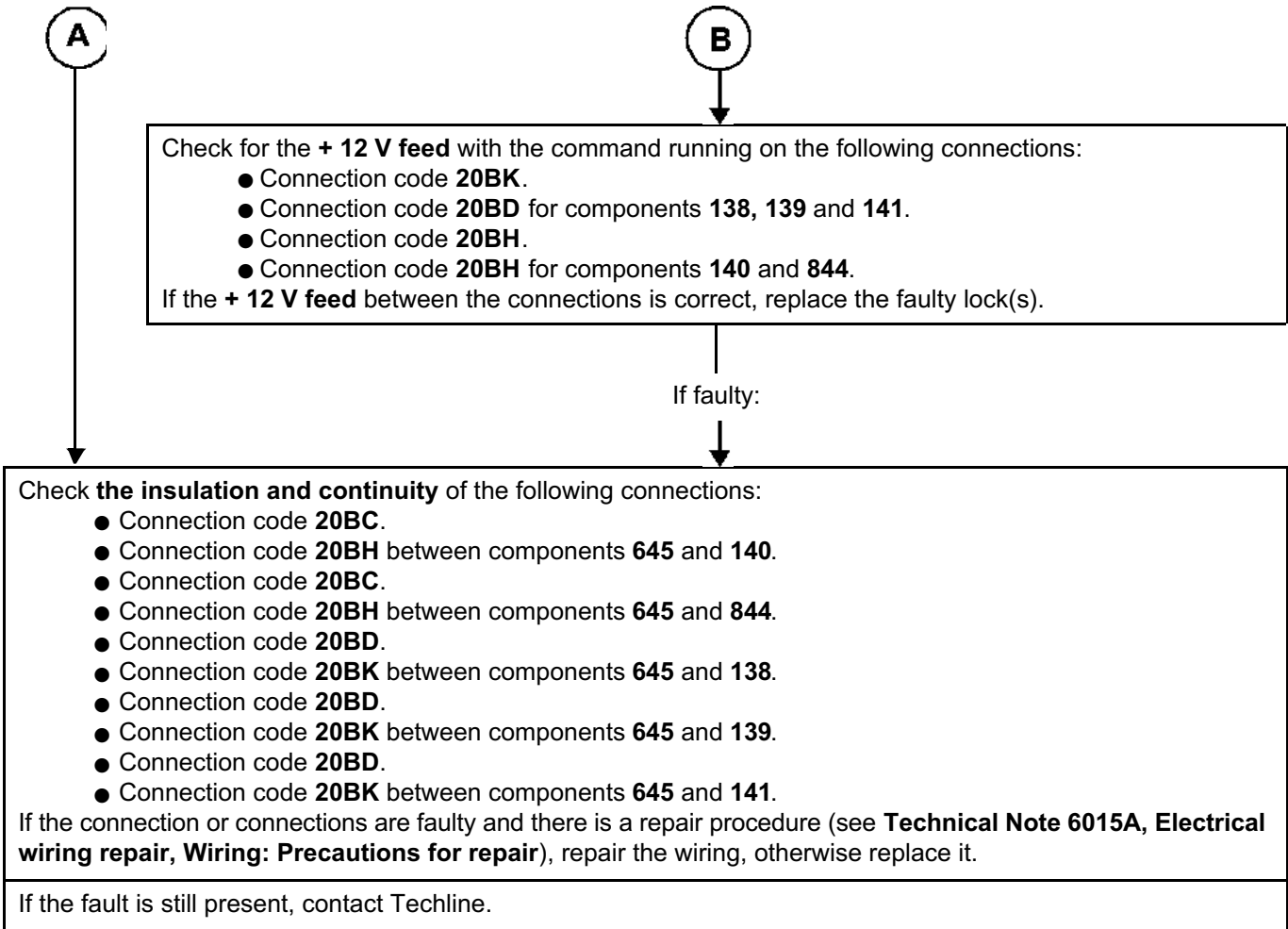
- Connection code **MAM**.
- Connection code **87H** of component **140**.
- Connection code **MZ**.
- Connection code **87A** of component **139**.
- Connection code **MAN**.
- Connection code **87G** of component **141**.
- Connection code **MAQ**.
- Connection code **87B** of component **138**.
- Connection code **20BC**.
- Connection code **20BH** of component **844**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.



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| AFTER REPAIR | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
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| AC004<br>CONTINUED |  |
|--------------------|--|



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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| AC005<br>AC006 | <u>UNLOCK DOORS AND BOOT</u><br><u>DRIVER'S DOOR UNLOCKING</u> |
|----------------|--|

|       |   |
|-------|---|
| NOTES | <p><b>No faults should be present or stored.</b></p> <p>This command is for testing unlocking relay operation.</p> <p>The driver's door circuit is shared with the fuel tank flap circuit.</p> <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
|-------|---|

One or more doors do not unlock when the commands are activated.

Check the condition and connection of the PP2 connector on the UCH.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the condition and connection of the connector on the faulty lock(s).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check for earth on:

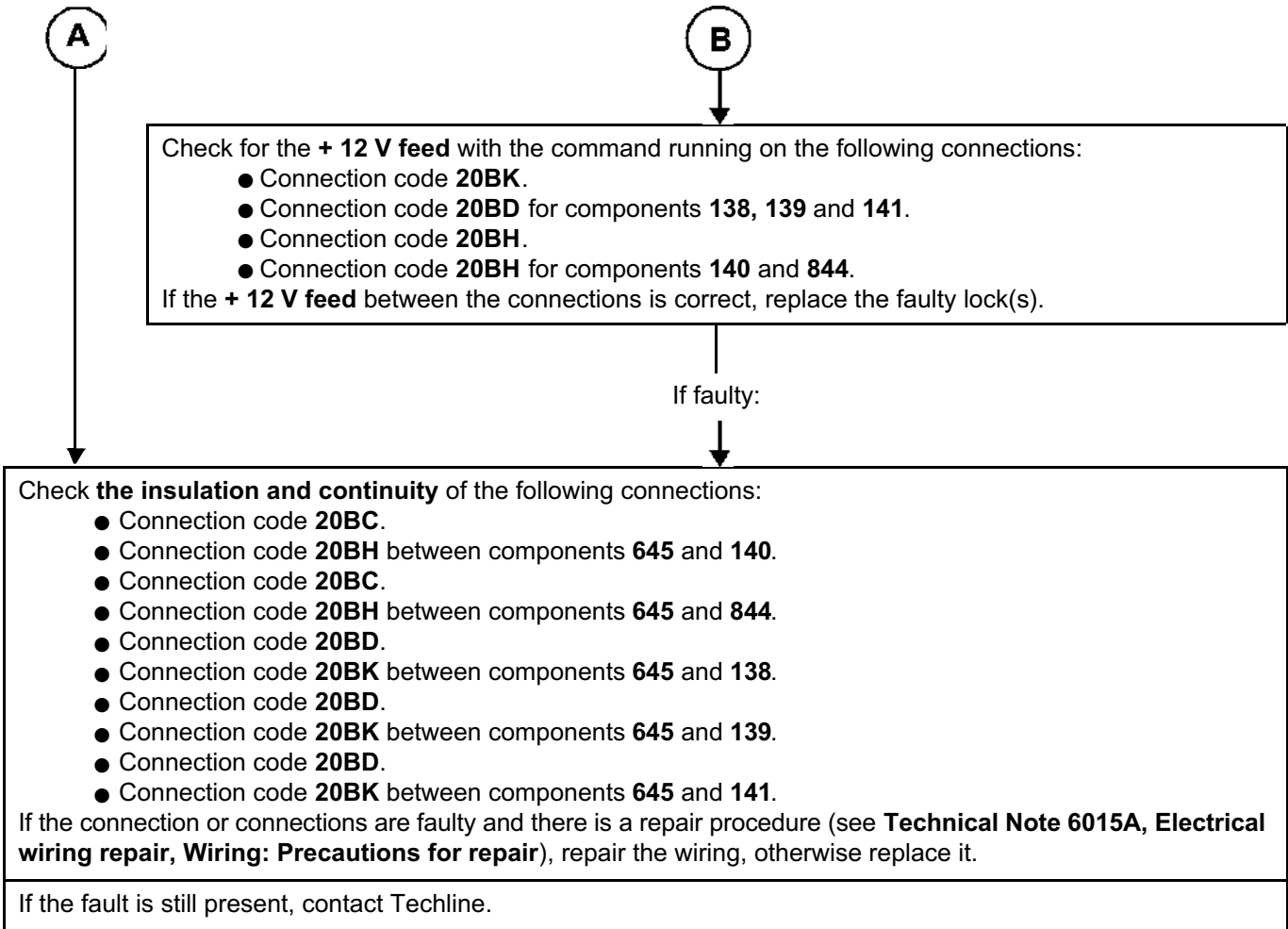
- Connection code **MAM**.  
● Connection code **87H**.  
Of component **140**.
- Connection code **MZ**.  
● Connection code **87A**.  
Of component **139**.
- Connection code **MAN**.  
● Connection code **87G**.  
Of component **141**.
- Connection code **MAQ**.  
● Connection code **87B**.  
Of component **138**.
- Connection code **20BC**.  
● Connection code **20BH**.  
Of component **140**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.



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| AFTER REPAIR | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
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|---------------------------------|--|
| AC005<br>AC006<br><br>CONTINUED |  |
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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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|--------------|--------------------------|
| <b>AC007</b> | <u>REAR SCREEN WIPER</u> |
|--------------|--------------------------|

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| <b>NOTES</b> | No faults should be present or stored.<br>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II. |
|--------------|--|

The rear screen wiper does not operate when the command is activated.

Check the condition and connection of the rear screen wiper motor connector.

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

Check for **earth** on connection **MZ** of component **211**.

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

With the command running, check for **+ 12 V feed** on connection **36A** of component **211**.

If everything is correct, replace the rear screen wiper motor.

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

Check the condition and connection of connector PE3 on the UCH.

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

Check **the insulation and continuity** of the following connections:

- Connection code **36A**.
- Connection code **36C** between components **645** and **211**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact Techline.

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>AC008</b> | <u>FRONT FOG LIGHTS</u> |
|--------------|-------------------------|

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| <b>NOTES</b> | <p>Check:</p> <ul style="list-style-type: none"> <li>– the condition and connection of the front fog lights fuse,</li> <li>– the condition of the bulbs.</li> </ul> <p><b>Replace the bulbs if necessary.</b><br/><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
|--------------|---|

The rear screen wiper does not operate when the command is activated.

Check the condition and connection of connector PPA on the UPC (Vdiag 44) or connector AN on the UPC (Vdiag 48 or above).

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

Check the condition and connection of the bulb connectors.

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

Check for **earth** on **R9** connection then check the connections of the bulb connectors.

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

Check for **+ 12 V** on the fog light connectors they are being controlled by command **AC004**.

If the **+ 12 V** on the connectors is correct, replace the bulb(s).

Check **the insulation and continuity** of the following connections:

- Connection code **8F** between components **176** and **1337**.
- Connection code **8E** between components **177** and **1337**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact Techline.

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| AC009 | <u>REAR FOG LIGHTS</u> |
|-------|------------------------|

|       |  |
|-------|--|
| NOTES | <p><b>No faults should be present or stored.</b></p> <p>This command is for testing operation of the rear fog lights.</p> <p>Check the bulbs.</p> <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
|-------|--|

Left-hand drive

|   |
|---|
| <p>Check the condition and connection of the connector for each rear light.</p> <p>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check for <b>earth</b> on connection <b>MZ</b> on component <b>173</b>.</p> <p>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>With the command running, check for <b>+ 12 V feed</b> on connection <b>9P</b> of component <b>173</b>.</p> <p>If the <b>+ 12 V feed</b> is correct, check the bulbs again and if the bulbs still do not work, replace the rear light.</p>   |
| <p>Check the condition and connection of UCH connector <b>PP3</b>.</p> <p>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check the <b>insulation and continuity</b> of the following connection:</p> <ul style="list-style-type: none"> <li>● Connection code <b>9P</b> between components <b>645</b> and <b>173</b>.</li> </ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>If the fault is still present, contact Techline.</p>   |

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| AFTER REPAIR | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
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| AC009<br>CONTINUED |  |
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Right-hand drive

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| Check the condition and connection of the connector for each rear light.<br>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.   |
| Check for <b>earth</b> on connection <b>MAQ</b> on component <b>172</b> .<br>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.  |
| With the command running, check for <b>+ 12 V feed</b> on connection <b>9P</b> of component <b>172</b> .<br>If the <b>+ 12 V feed</b> is correct, check the bulbs again and if the bulbs still do not work, replace the rear light.   |
| Check the condition and connection of UCH connector <b>PP3</b> .<br>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.   |
| Check the <b>insulation and continuity</b> of the following connection:<br>● Connection code <b>9P</b> between components <b>645</b> and <b>172</b> .<br>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it. |
| If the fault is still present, contact Techline.  |

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| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>AC015</b> | <u>AIR-CONDITIONING BUTTON INDICATOR LIGHT</u><br><u>Manual air conditioning only</u> |
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| <b>NOTES</b> | <p><b>No faults should be present or stored.</b></p> <p>This command is for testing operation of the air-conditioning indicator light. Apply the after ignition feed, and the air conditioning control panel should light up. The command lasts <b>7 seconds</b>.</p> <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
|--------------|--|

The indicator light does not light up when the command is activated.

Check the condition and connection of the heater control panel connector.

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

Check for **earth** on connection **NAM** of component **316**.

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

With the command running, check for **+ 12 V feed** on connection **38ES** of component **316**.

If OK, replace the control panel.

Check the condition and connection of connector PE2 on the UCH

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

Check the **insulation and continuity** of the following connection:

- Connection code **38ES** between components **645** and **319**.
- Connection code **NAM** between component **319** and **earth**.

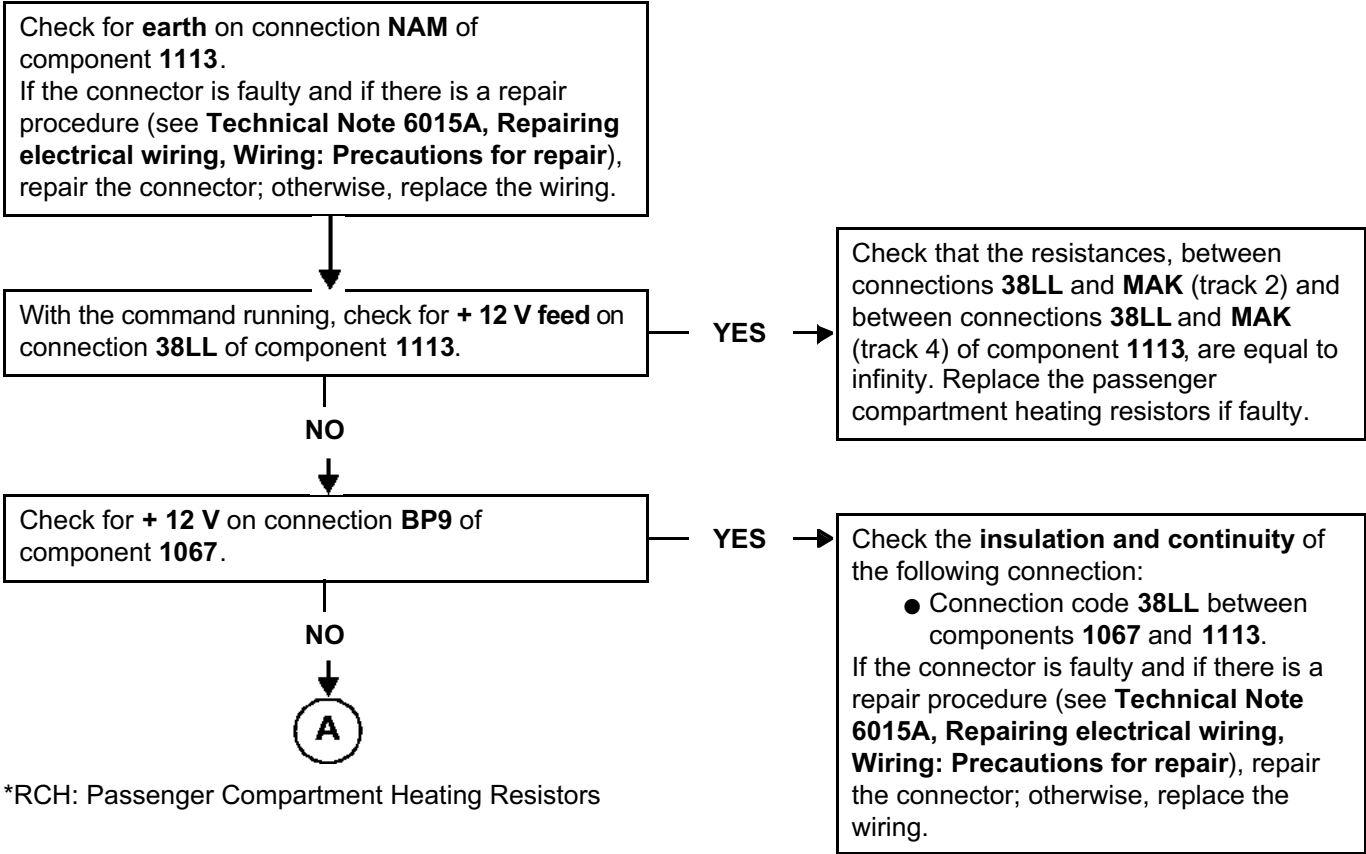
If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact Techline.

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
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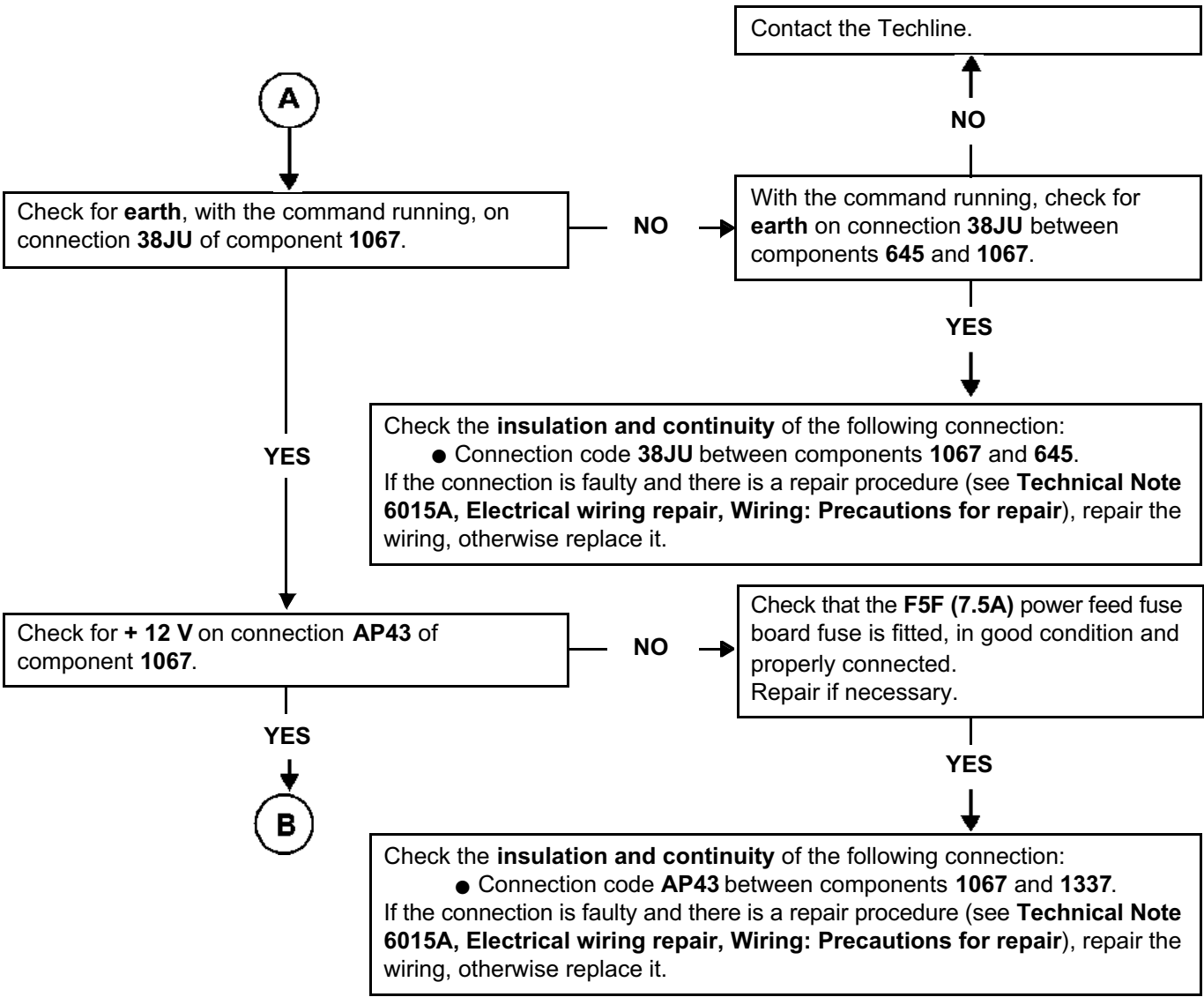
|       |                     |
|-------|---------------------|
| AC016 | <u>RCH* 1 RELAY</u> |
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| NOTES | <p>Check that the vehicle is fitted with passenger compartment heating resistors. No faults should be present or stored.</p> <p>This command is for testing the operation of the passenger compartment heating resistors.</p> <p>The command lasts <b>7 seconds</b>.</p> <p>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b>.</p> |
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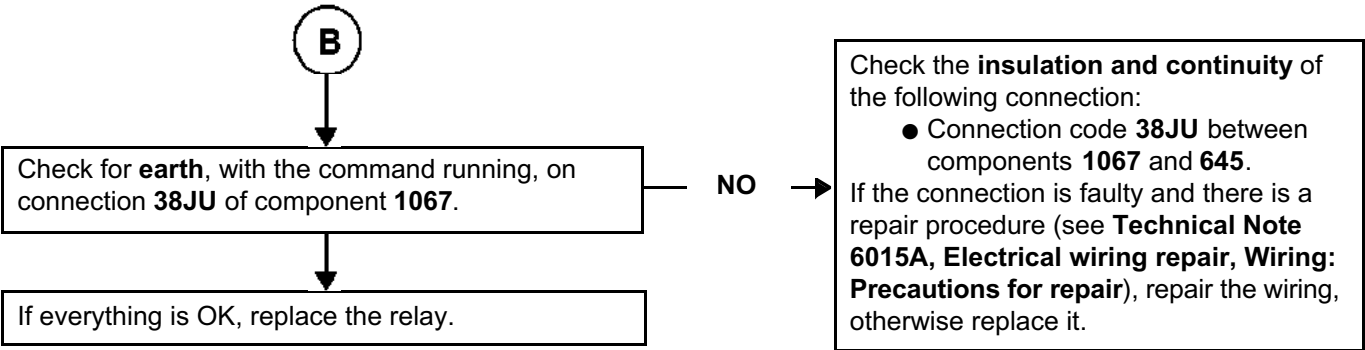
|              |  |
|--------------|--|
| AFTER REPAIR | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
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| AC016<br>CONTINUED 1 |  |
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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| AC016<br>CONTINUED 2 |  |
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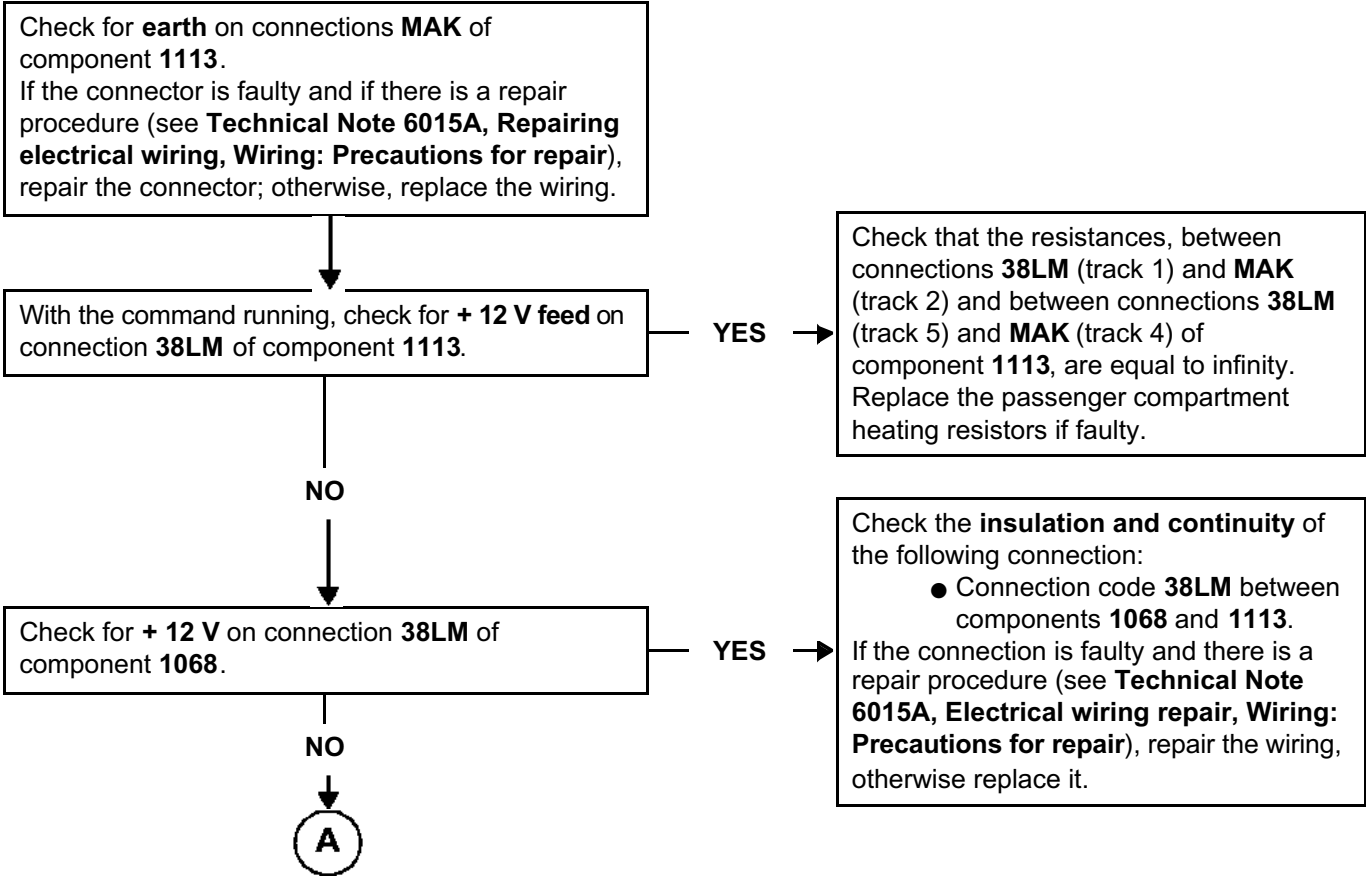


\*RCH: Passenger Compartment Heating Resistors

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| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| AC017 | <u>RCH* 2 RELAY</u> |
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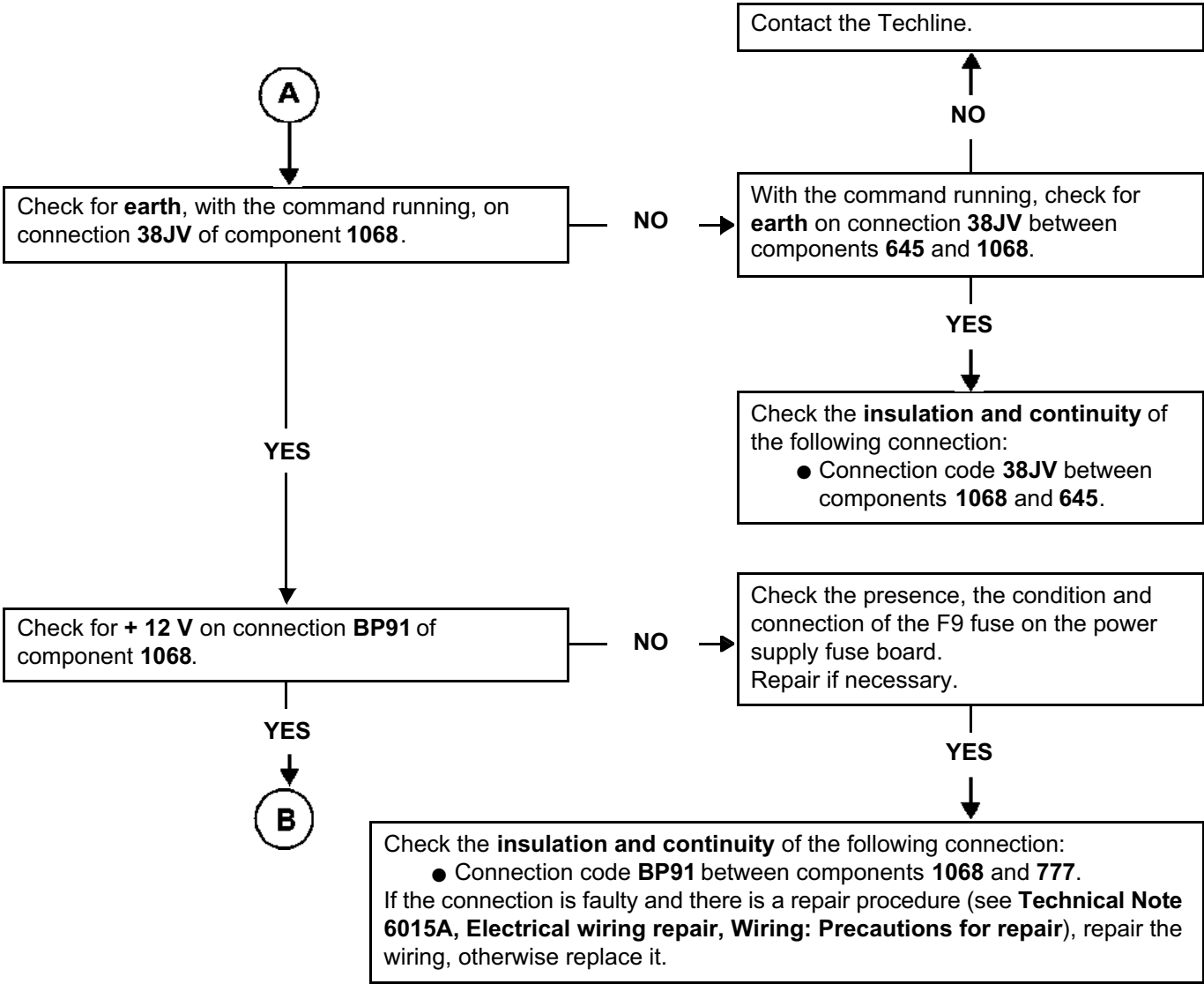
|       |   |
|-------|---|
| NOTES | <p>Check that the vehicle is fitted with passenger compartment heating resistors. No faults should be present or stored.</p> <p>This command is for testing the operation of the passenger compartment heating resistors.</p> <p>The command lasts <b>7 seconds</b>.</p> <p>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b>.</p> |
|-------|---|



\*RCH: Passenger Compartment Heating Resistors

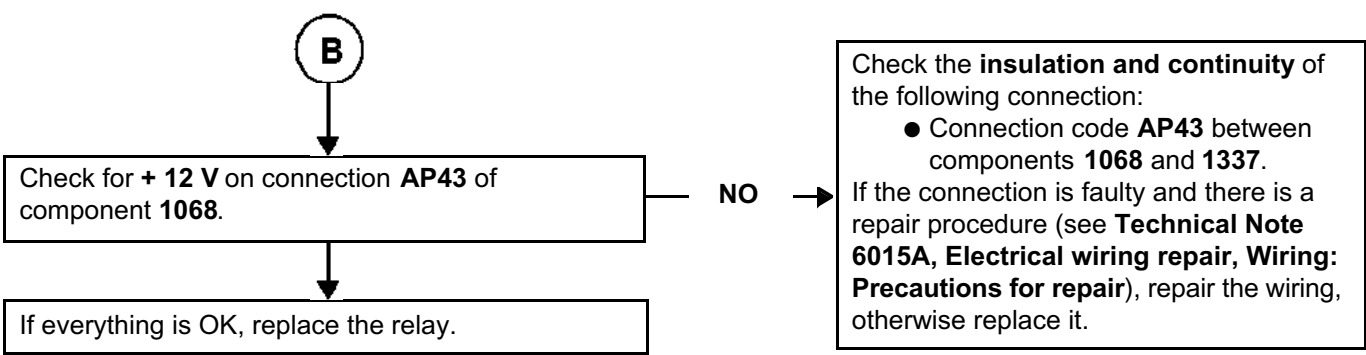
|              |  |
|--------------|--|
| AFTER REPAIR | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
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| AC017<br>CONTINUED 1 |  |
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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| AC017<br>CONTINUED 2 |  |
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\*RCH: Passenger Compartment Heating Resistors

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| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|--------------|---|

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|--------------|---|
| <b>AC019</b> | <u>HEATED REAR SCREEN INDICATOR LIGHT</u><br><u>Except with climate control</u> |
|--------------|---|

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|--------------|---|
| <b>NOTES</b> | <p><b>No faults should be present or stored.</b></p> <p>This command is for testing operation of the heated rear screen indicator light.<br/>Apply after ignition feed.</p> <p>The command lasts <b>7 seconds</b>.</p> <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
|--------------|---|

The heated rear screen indicator light does not light up when the command is activated.

Check the condition and connection of the heater control panel connector.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check for **earth** on connection **NAM** of component **319**.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

With the command running, check for **+ 12 V feed** on connection **15A** of component **316**.  
If OK, replace the control panel.

Check the condition and connection of connector PE2 on the UCH  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **insulation and continuity** of the following connection:  

- Connection code **15A** between components **645** and **319**.

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

If the fault is still present, contact Techline.

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
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| AC020 | <u>CPE* BUTTON INDICATOR</u> |
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|-------|---|
| NOTES | <p><b>No faults should be present or stored.</b></p> <p>This command is used to check whether the button has a power supply.<br/>The command lasts <b>7 seconds</b>.</p> <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
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|---|
| The <b>central door locking</b> button light does not light up when the command is performed. |
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|---|
| <p>Check the connection and condition of the <b>central door locking button connector</b>.<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check for an <b>earth</b> on connection <b>MAM</b> of component <b>1391</b>.<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>With the command running, check for <b>+ 12 V feed</b> on connection <b>20M</b> of component <b>1391</b>.<br/>If OK, replace the button.</p>   |
| <p>Check the condition and connection of connector PE1 on the UCH.<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check <b>the insulation and continuity</b> of the following connections:</p> <ul style="list-style-type: none"><li>● Connection code <b>20M</b>.</li><li>● Connection code <b>20AW</b> between components <b>645</b> and <b>1391</b>.</li></ul> <p>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>If the fault is still present, contact Techline.</p>   |

\*CPE: Electric central door locking

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| AFTER REPAIR | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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|--------------|------------------------|
| <b>AC021</b> | <u>INTERIOR LIGHTS</u> |
|--------------|------------------------|

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| <b>NOTES</b> | <p><b>No faults should be present or stored.</b></p> <p>This command is for testing interior lights operation.</p> <p>Check the bulbs.</p> <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
|--------------|---|

The interior lights do not light when the command is activated.

Check the condition and connection of the interior lights connectors.

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

Check for **earth** on connection **MAM** of components **213** and **300**.

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

With the command running, check for **+ 12 V feed** on connection **BPT** of components **213** and **300**.

If OK, check the bulbs again, and if still not OK replace the interior light(s).

Check the condition and connection of the PP3 connector on the UCH.

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

Check the **insulation and continuity** of the following connection:

- Connection code **13E**.  
Between components **645** and **213**.  
Between components **645** and **300**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
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|-------|--------------------------------------|
| AC022 | <u>Left-hand direction indicator</u> |
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| NOTES | <p><b>No faults should be present or stored.</b><br/>This command is for testing direction indicator operation.<br/>Apply <b>after ignition feed</b>.<br/><b>Check the bulbs.</b><br/><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
|-------|---|

The direction indicators do not light when the command is activated.

Check the condition and connection of the connectors for the left-hand headlight, the left-hand repeater and the rear left-hand light.

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

Check for **earth** on the following connections:

- Connection code **MAS**.  
Between component **227** and **earth**.  
Between component **268** and **earth**.
- Connection code **MZ** between component **173** and **earth**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Check for the **+ 12 V feed** with the command running on the following connections:

- Connection code **64C**.  
Between component **227** and **earth**.  
Between component **173** and **earth**.
- Connection code **64V** between component **268** and **earth**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the **+ 12 V feed** is correct, check the bulbs again and if the bulbs still do not work, replace the rear light(s).

Check the condition and connection of the PP3 connector on the UCH.

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

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| AFTER REPAIR | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| AC022<br>CONTINUED |  |
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| <p>Check <b>the insulation and continuity</b> of the following connections:</p> <ul style="list-style-type: none"><li>● Connection code <b>64C</b>.<br/>Between components <b>645</b> and <b>173</b>.<br/>Between components <b>645</b> and <b>227</b>.</li></ul> <p>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |  |
| If the fault is still present, contact Techline.   |  |

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| <b>AC023</b> | <u>RIGHT-HAND DIRECTION INDICATOR</u> |
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| <b>NOTES</b> | <p><b>No faults should be present or stored.</b><br/>This command is for testing direction indicator operation.<br/>Apply after ignition feed.<br/><b>Check the bulbs.</b><br/><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
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The direction indicators do not light when the command is activated.

Check the condition and connection of the connectors for the right-hand headlight, the right-hand repeater and the rear right-hand light.

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

Check for **earth** on the following connections:

- Connection code **MAS**.  
Between component **226** and **earth**.  
Between component **267** and **earth**.
- Connection code **MAQ** between component **172** and **earth**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Check for the **+ 12 V feed** with the command running on the following connections:

- Connection code **64D**.  
Between component **226** and **earth**.  
Between component **172** and **earth**.
- Connection code **64U** between component **267** and **earth**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the **+ 12 V feed** is correct, check the bulbs again and if the bulbs still do not work, replace the rear light(s).

Check the condition and connection of the PP3 connector on the UCH.

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

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| AC023<br>CONTINUED |  |
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| <p>Check <b>the insulation and continuity</b> of the following connections:</p> <ul style="list-style-type: none"><li>● Connection code <b>64D</b>.<br/>Between components <b>645</b> and <b>172</b>.<br/>Between components <b>645</b> and <b>226</b>.</li></ul> <p>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |  |
| If the fault is still present, contact Techline.   |  |

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| AFTER REPAIR | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| AC024 | <u>CARD READER LIGHT</u> |
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| NOTES | <p>No faults should be present or stored.</p> <p>This command is for testing card reader operation.</p> <p>The command lasts <b>7 seconds</b>.</p> <p>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b>.</p> |
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The card reader light does not light up when the command is activated.

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| <p>Check the condition and connection of the card reader connector.</p> <p>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p> |
| <p>Check for <b>earth</b> on connection <b>NAM</b> of component <b>1088</b>.</p>  |

If OK:



If faulty:

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| <p>Check the condition and connection of connector PE2 on the UCH</p> <p>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check the <b>insulation and continuity</b> of the following connection:</p> <ul style="list-style-type: none"><li>● Connection code <b>26BK</b> between components <b>645</b> and <b>1082</b>.</li></ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>If the fault is still present, contact Techline.</p>  |

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| AFTER REPAIR | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
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| AC024<br>CONTINUED |  |
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| With the command running, check for <b>+ 12 V feed</b> on connection <b>26BC</b> of component <b>1082</b> .<br>If OK, replace the card reader.   |
| Check the condition and connection of connector PE1 on the UCH.<br>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.   |
| Check the <b>insulation and continuity</b> of the following connection:<br>● Connection code <b>26BC</b> between components <b>645</b> and <b>1082</b> .<br>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it. |
| If the fault is still present, contact Techline.   |

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| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| <b>AC025</b> | <u>ONE-TOUCH WINDOW CONTROL/SR* AUTHORISATION</u> |
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| <b>NOTES</b> | <p><b>No faults should be present or stored.</b></p> <p>This command can activate operation of the electric window motors after replacement of the UCH or a harmless loss of enabling.</p> <p>The command lasts <b>7 seconds</b>.</p> |
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After activation, take a reading of the **ET087 One-touch window/sunroof\* authorisation** status to verify a change of status.

If there is a fault, see the procedure for this status.

\*SR.: sunroof

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
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| AC026 | <u>START BUTTON LIGHTING</u> |
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| NOTES | <p><b>No faults should be present or stored.</b></p> <p>This command is for testing operation of the start button.</p> <p>The command lasts <b>7 seconds</b>.</p> <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
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The button light does not light up when the command is activated.

Check the connection of the start button connector.

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

Check for an **earth** on connection **MAM** of component **1087**.

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

With the command running, check for **+ 12 V** on connection **26M** of component **1087**.

If ok, replace the start button.

Check the condition and connection of connector PE1 on the UCH.

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

Check the **insulation and continuity** of the following connection:

- Connection code **26M** between components **645** and **1082**.

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

If the fault is still present, contact the Techline.

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| AFTER REPAIR | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
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| AC027 | <u>FOOTWELL LIGHTS</u> |
|-------|------------------------|

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| NOTES | <p>No faults should be present or stored.</p> <p>This command is for testing footwell/floor lights operation.</p> <p>Check the bulbs.</p> <p>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
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| <p>Check the condition and connection of the footwell lighting connectors.'</p> <p>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p> |
| <p>Check for <b>+ 12 V</b> on connection <b>BPT2</b> of components <b>1118, 1119, 1120, 1121.</b></p>   |

If OK:



If faulty:

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| <p>Check the condition and connection of the PP3 connector on the UCH.</p> <p>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check the <b>insulation and continuity</b> of the following connection:</p> <ul style="list-style-type: none"><li>● Connection code <b>BPT2</b>.</li><li>Between components <b>645</b> and <b>1118</b>.</li><li>Between components <b>645</b> and <b>1119</b>.</li><li>Between components <b>645</b> and <b>1120</b>.</li><li>Between components <b>645</b> and <b>1121</b>.</li></ul> <p>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> <p>If the fault is still present, contact Techline.</p> |

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| AFTER REPAIR | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
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| AC027<br>CONTINUED |  |
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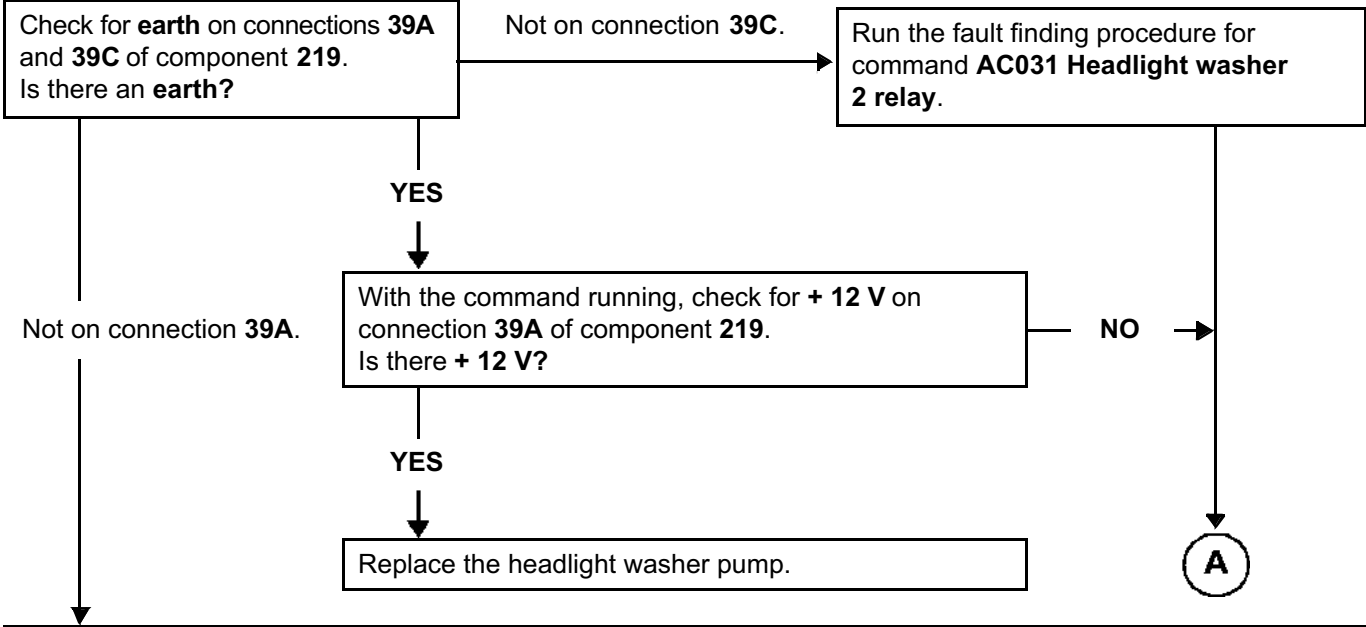


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| With the command running, check for <b>earth</b> on connection <b>13AC</b> between components <b>1118, 1119, 1120, 1121</b> . If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.   |
| Check the condition and connection of the PP3 connector on the UCH. If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.   |
| Check the <b>insulation and continuity</b> of the following connection: <ul style="list-style-type: none"><li>● Connection code <b>13C</b>.<ul style="list-style-type: none"><li>Between components <b>645</b> and <b>1118</b>.</li><li>Between components <b>645</b> and <b>1119</b>.</li><li>Between components <b>645</b> and <b>1120</b>.</li><li>Between components <b>645</b> and <b>1121</b>.</li></ul></li></ul> If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it.<br>If the fault is still present, contact Techline. |

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| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| AC030 | <u>HEADLIGHT WASHER 1 RELAY</u><br><u>(ONLY IF VDIAG 44 UPC)</u> |
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| NOTES | <p>No faults should be present or stored.<br/>This command is for testing headlight washer 1 operation.<br/>The command lasts <b>3 seconds</b>.<br/>Use <b>Wiring Diagrams Technical Note</b> for MEGANE II or SCENIC II.</p> |
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| <p>Check the condition and connection of the headlight washer relay 1 connector.<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check for an <b>earth</b> on connection <b>MAS</b> of component <b>753</b>.<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check the <b>continuity and insulation</b> of the following connection:<br/>● Connection code <b>39A</b> between components <b>753</b> and <b>219</b>.<br/>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>If everything is OK, replace the relay.</p>  |

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| AFTER REPAIR | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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| AC030<br>CONTINUED |  |
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| Check the condition and connection of headlight washer relay 1.<br>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.                             |
| Check for <b>+ 12 V</b> on connections <b>39G</b> and <b>BP32</b> of component <b>753</b> .<br>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring. |
| With the command running, check for <b>earth</b> on connection <b>39G</b> of component <b>753</b> .<br>Is there an <b>earth</b> ?  |

YES

NO

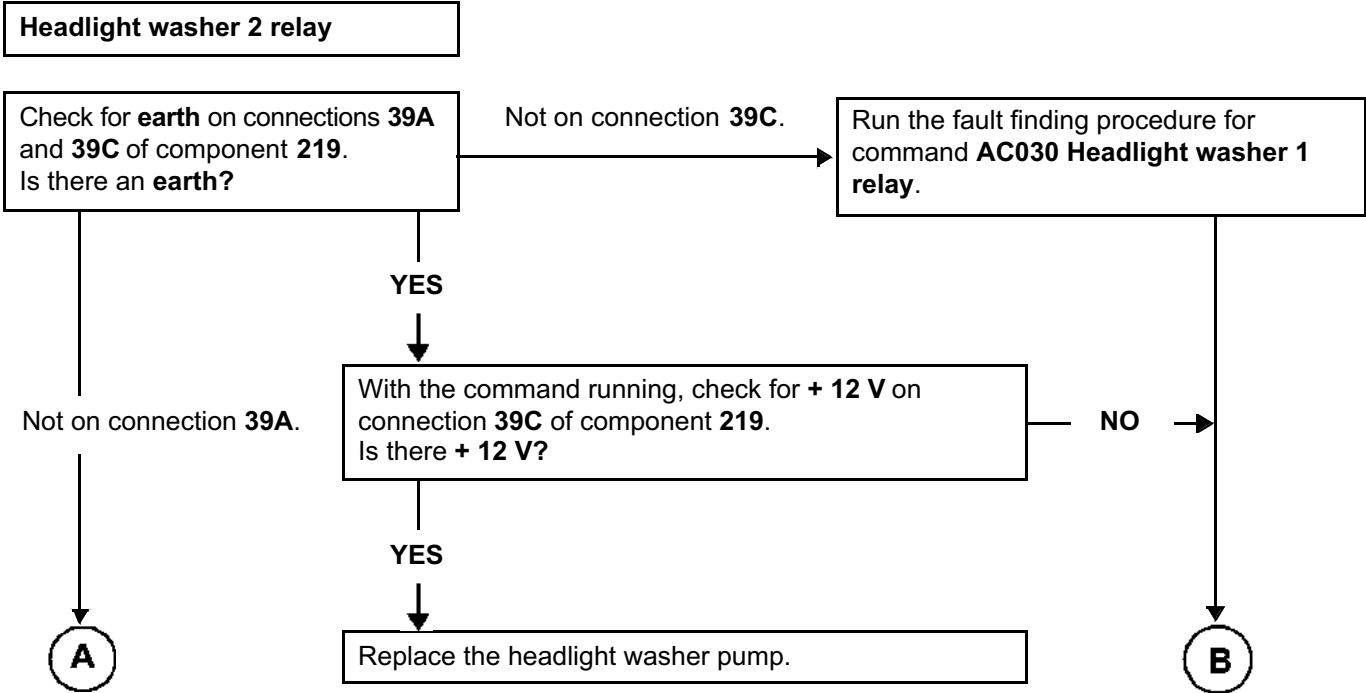
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| Check the condition and connection of connector PE3 on the UCH.<br>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.   |
| Check the <b>insulation and continuity</b> of the following connection:<br>● Connection code <b>SP2</b> between components <b>753</b> and <b>260</b> .<br>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it. |
| If the fault is still present, contact Techline.   |

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| Check the <b>continuity and insulation</b> of the following connection:<br>● Connection code <b>39A</b> between components <b>753</b> and <b>219</b> .<br>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it. |
| If everything is OK, replace the relay.  |

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| AFTER REPAIR | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| AC031 | <u>HEADLIGHT WASHER RELAY 2</u><br><u>(ONLY IF VDIAG 44 UPC)</u> |
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| NOTES | <p><b>No faults should be present or stored.</b></p> <p>This command is used to test the operation of headlight washer 2 or for locking the glovebox if the vehicle is fitted with one of these functions: This command is only active for UPC Vdiag 44 (see <b>System operation</b>).</p> <p><b>The command lasts 3 seconds.</b></p> <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
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| AFTER REPAIR | <p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults.</p> <p>Deal with any other faults.</p> |
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| AC031<br>CONTINUED 1 |  |
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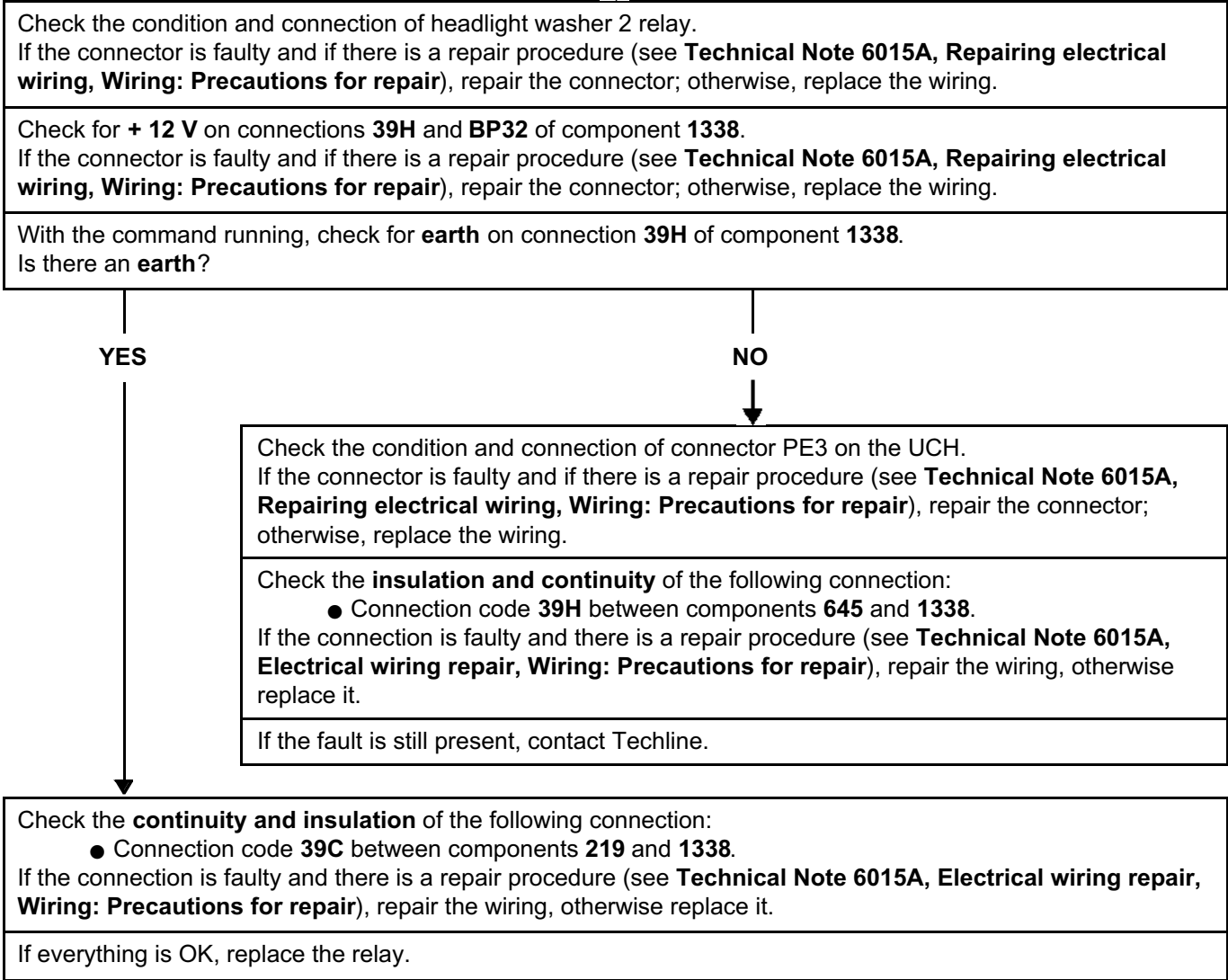


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|---|
| Check the condition and connection of the headlight washer 2 relay connector.<br>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.  |
| Check for an <b>earth</b> on connection <b>MAS</b> of component <b>1338</b> .<br>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b> ), repair the connector; otherwise, replace the wiring.  |
| Check the <b>continuity and insulation</b> of the following connection:<br>● Connection code <b>39C</b> between components <b>219</b> and <b>1338</b> .<br>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it. |
| If everything is OK, replace the relay.   |

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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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| AC031<br>CONTINUED 2 |  |
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| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
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AC031  
CONTINUED 3

Glovebox locking

If after command **AC031**, the glovebox does not unlock:

Check for **+ 12 V** on connection **20BL** of component **1490** during command **AC031 Headlight washer 2 relay**.

If there is no **12 V**, check the following connection:

- Connection code **20BL** between components **645** and **1490**.

If there is **+ 12 V**, check the following connection:

- Connection code **20BC** between components **645** and **1490**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

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| <b>AC032</b> | <u>DRIVER'S SIDE EXTERNAL AERIAL TEST</u> |
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| <b>NOTES</b> | <p>Before performing this command, it is essential to perform command <b>AC037 Transmitter aerial diagnostic</b> to ensure there is no aerial fault.<br/>There must be no present or stored faults.<br/>This command is for checking the hands-free access zones around the vehicle and functions even if the hands-free card does not belong to the vehicle.</p> |
|              | <p><b>Special note:</b><br/>This command is for testing correct operation of the driver-side external aerials.<br/>This command takes <b>1 minute</b>.<br/>View the flashing of the card reader.<br/><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p>  |

**Front door**

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| <p>Check the condition and connection of the aerial connector (bent, broken tabs, etc.).<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check the condition and connection of the PE3 connector of the UCH (tabs bent, broken, etc.).<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check <b>the insulation and continuity</b> of the following connections to <b>+ 12 V</b> and to <b>earth</b>:</p> <ul style="list-style-type: none"> <li>● Connection code <b>26AA</b>.</li> <li>● Connection code <b>26AB</b> between components <b>645</b> and <b>1374</b>.</li> </ul> <p>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>If the fault is still present, contact Techline.</p>  |

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| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
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AC032  
CONTINUED

Rear door if LC122 "REAR ACCESS AERIAL" = "WITH"

Check the condition and connection of the aerial connector (bent, broken tabs, etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the condition and connection of the PE3 connector of the UCH (tabs bent, broken, etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check **the insulation and continuity** of the following connections:

- Connection code **26AG**.
- Connection code **26AH**

Between components **645 and 1376**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Replace the aerial if necessary.

If the fault is still present, contact Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

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| <b>AC033</b> | <u>PASSENGER SIDE EXTERNAL AERIAL TEST</u> |
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|              |   |
|--------------|---|
| <b>NOTES</b> | <p>Before performing this command, it is essential to perform command <b>AC037 Transmitter aerial diagnostic</b> to ensure there is no aerial fault.<br/>There must be no present or stored faults.<br/>This command is for checking the hands-free access zones around the vehicle and functions even if the hands-free card does not belong to the vehicle.</p> |
|              | <p><b>Special note:</b><br/>This command is for testing correct operation of the passenger-side external aerials.<br/>If the range exceeds <b>1.50 m</b>, check that there is no short circuit to earth on the aerials.<br/>This command takes <b>1 minute</b>.<br/>View the flashing of the card reader.</p>   |

**Front door**

Check the condition and connection of the aerial connector (bent, broken tabs, etc.).

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

Check the condition and connection of the PE3 connector of the UCH (tabs bent, broken, etc.).

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

Check **the insulation and continuity** of the following connections to **+ 12 V** and to **earth**:

- Connection code **26AC**.
- Connection code **26AD** between components **645** and **1375**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact Techline.

|                     |  |
|---------------------|--|
| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
|---------------------|--|

AC033  
CONTINUED

Rear door if LC122 "REAR ACCESS AERIAL" = "WITH"

Check the condition and connection of the aerial connector (bent, broken tabs, etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the condition and connection of the **PE3** connector of the UCH (tabs bent, broken, etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check **the insulation and continuity** of the following connections to **+ 12 V** and to **earth**:

- Connection code **26AK**.
- Connection code **26AL** between components **645** and **1377**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Replace the aerial if necessary.

If the fault is still present, contact Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

|              |                                  |
|--------------|----------------------------------|
| <b>AC034</b> | <u>BOOT EXTERNAL AERIAL TEST</u> |
|--------------|----------------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | <p>Before performing this command, it is essential to perform command <b>AC037 Transmitter aerial diagnostic</b> to ensure there is no aerial fault.<br/>There must be no present or stored faults.<br/>This command is for checking the hands-free boot access zone and works even if the hands-free card does not belong to the vehicle.</p>                                       |
|              | <p><b>Special note:</b><br/>This command is for testing correct operation of the external aerial on the boot side.<br/>If the range exceeds <b>1.50 m</b>, check that there is no short circuit to the aerial earth.<br/>This command takes <b>1 minute</b>.<br/>View the flashing of the card reader.<br/><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |

|  |
|--|
| <p>Check the condition and connection of the aerial connector (bent, broken tabs, etc.).<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check the condition and connection of the PE3 connector of the UCH (tabs bent, broken, etc.).<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check <b>the insulation and continuity</b> of the following connections to <b>+ 12 V</b> and to <b>earth</b>:</p> <ul style="list-style-type: none"> <li>● Connection code <b>26AM</b>.</li> <li>● Connection code <b>26AN</b> between components <b>645</b> and <b>1378</b>.</li> </ul> <p>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>If the fault is still present, contact Techline.</p>  |

|                     |  |
|---------------------|--|
| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
|---------------------|--|

|              |                                |
|--------------|--------------------------------|
| <b>AC036</b> | <u>INTERNAL AERIAL TESTING</u> |
|--------------|--------------------------------|

|              |   |
|--------------|---|
| <b>NOTES</b> | <p>Before performing this command, it is essential to perform command <b>AC037 Transmitter aerial diagnostic</b> to ensure there is no aerial fault.<br/>There must be no present or stored faults.<br/>This command is for checking the hands-free access zones around the vehicle and functions even if the hands-free card does not belong to the vehicle.</p> |
|              | <p><b>Special note:</b><br/>This command is for testing correct operation of the internal aerials.<br/>This command takes <b>1 minute</b>.<br/>View the flashing of the card reader.<br/><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p>  |

FRONT INTERNAL AERIAL

|  |
|--|
| <p>Check the condition and connection of the aerial connector (bent, broken tabs, etc.).<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>  |
| <p>Check the condition and connection of the <b>PE3</b> connector of the UCH (tabs bent, broken, etc.).<br/>If the connector is faulty and if there is a repair procedure (see <b>Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair</b>), repair the connector; otherwise, replace the wiring.</p>   |
| <p>Check <b>the insulation and continuity</b> of the following connections to <b>+ 12 V</b> and to <b>earth</b>:</p> <ul style="list-style-type: none"> <li>● Connection code <b>26AT</b>.</li> <li>● Connection code <b>26AU</b> between components <b>645</b> and <b>1396</b>.</li> </ul> <p>If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the wiring, otherwise replace it.</p> |
| <p>Replace the aerial if necessary.</p>  |
| <p>If the fault is still present, contact Techline.</p>  |

|                     |  |
|---------------------|--|
| <b>AFTER REPAIR</b> | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
|---------------------|--|



AC036  
CONTINUED 1

BOOT INTERNAL AERIAL

Check the condition and connection of the aerial connector (bent, broken tabs, etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the condition and connection of the PE3 connector of the UCH (tabs bent, broken, etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check **the insulation and continuity** of the following connections to **+ 12 V** and to **earth**:

- Connection code **26AV**.
- Connection code **26AW** between components **645 and 1397**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Replace the aerial if necessary.

If the fault is still present, contact Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

AC036  
CONTINUED 2

CENTRE INTERNAL AERIAL

Check the condition and connection of the aerial connector (bent, broken tabs, etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the condition and connection of the PE3 connector of the UCH (tabs bent, broken, etc.).  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check **the insulation and continuity** of the following connections to **+ 12 V** and to **earth**:

- Connection code **26AX**.
- Connection code **26AY** between components **645** and **1398**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Replace the aerial if necessary.

If the fault is still present, contact Techline.

**AFTER REPAIR**

Carry out another fault finding check on the system.  
Clear the stored faults.  
Deal with any other faults.

|              |   |
|--------------|---|
| <b>AC037</b> | <u>TRANSMITTER AERIAL FAULT FINDING</u> |
|--------------|---|

|              |  |
|--------------|--|
| <b>NOTES</b> | <b>No faults should be present or stored.</b>  |
|              | <b>Special note:</b><br>This command is used to run fault finding on the internal and external transmitter aerals on open circuit or short circuit to <b>+ 12 V</b> .<br>This command takes <b>1 minute</b> .<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |

After activating the command, perform fault reading.  
If one (or more) fault(s) concerning the aerals appear(s), refer to the processing of this (these) fault(s).

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out another fault finding check on the system.<br>Clear the stored faults.<br>Deal with any other faults. |
|---------------------|---|

|       |  |
|-------|--|
| AC076 | <u>CHILD SAFETY LOCK INDICATOR LIGHT</u> |
|-------|--|

|       |   |
|-------|---|
| NOTES | <p><b>No faults should be present or stored.</b></p> <p>This command is for testing child safety lock indicator light operation.<br/>The command lasts <b>7 seconds</b>.</p> <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
|-------|---|

The child safety lock switch light does not light up when the command is activated.

Check the condition and connection of the child safety lock switch connector.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check for **+ 12 V** on connection **BPT** of component **135**.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the condition and connection of **connector PE1 on the UCH**  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check the **insulation and continuity** of the following connection:  
● Connection code **20T** between components **645 and 135**.  
If the connection is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact Techline.

|              |  |
|--------------|--|
| AFTER REPAIR | <p>Carry out another fault finding check on the system.<br/>Clear the stored faults.<br/>Deal with any other faults.</p> |
|--------------|--|

|       |  |
|-------|--|
| NOTES | Only consult these customer complaints after a complete check using the <b>diagnostic tool</b> . |
|-------|--|

|                               |      |
|-------------------------------|------|
| NO DIALOGUE WITH THE COMPUTER | ALP1 |
|-------------------------------|------|

|   |      |
|---|------|
| LIGHTING  |      |
| NO REAR FOG LIGHTS                                | ALP2 |
| NO RIGHT-HAND DIRECTION INDICATOR                 | ALP3 |
| NO LEFT-HAND DIRECTION INDICATOR                  | ALP4 |
| NO SIDE LIGHTS (LIGHTS WITHOUT XENON BULB)        | ALP5 |
| NO DIPPED BEAM LIGHTS (LIGHTS WITHOUT XENON BULB) | ALP6 |
| NO MAIN BEAM LIGHTS (LIGHTS WITHOUT XENON BULB)   | ALP7 |
| NO FRONT FOG LIGHTS                               | ALP8 |

WIPERS, WASHERS

|   |        |
|---|--------|
| NO REAR SCREEN WIPER                        | ALP9   |
| NO FIXED PARK POSITION FOR REAR WIPER       | ALP10  |
| NO WINDSCREEN WIPER PARK POSITION           | ALP11  |
| NO WINDSCREEN WIPER                         | ALP12  |
| NO FRONT AND REAR SCREEN WASHER             | ALP 13 |
| NO HEADLIGHT WASHERS (ONLY IF VDIAG 44 UPC) | ALP14  |

ELECTRIC WINDOWS

|  |  |       |
|--|--|-------|
|  | PASSENGER WINDOW DOES NOT OPERATE (DRIVER AND PASSENGER ELECTRIC WINDOWS)                            | ALP15 |
|  | PASSENGER WINDOW DOES NOT OPERATE (DRIVER AND PASSENGER ONE TOUCH ELECTRIC WINDOWS)                  | ALP16 |
|  | PASSENGER WINDOW DOES NOT OPERATE (DRIVER ONE TOUCH ELECTRIC WINDOWS AND PASSENGER ELECTRIC WINDOWS) | ALP17 |
|  | DRIVER WINDOW DOES NOT OPERATE (DRIVER AND PASSENGER ELECTRIC WINDOWS)                               | ALP18 |
|  | DRIVER WINDOW DOES NOT OPERATE (DRIVER AND PASSENGER ONE TOUCH ELECTRIC WINDOWS)                     | ALP19 |
|  | DRIVER WINDOW DOES NOT OPERATE (DRIVER ONE TOUCH ELECTRIC WINDOWS AND PASSENGER ELECTRIC WINDOW)     | ALP20 |
|  | REAR LEFT-HAND WINDOW DOES NOT OPERATE (REAR ONE TOUCH ELECTRIC WINDOWS)                             | ALP21 |
|  | REAR RIGHT-HAND WINDOW DOES NOT OPERATE (REAR ONE TOUCH ELECTRIC WINDOWS)                            | ALP22 |
|  | WINDOWS DO NOT OPERATE (DRIVER AND PASSENGER ELECTRIC WINDOWS)                                       | ALP23 |

**OPENING ELEMENTS**

|  |       |
|--|-------|
| NO SUNROOF OPENING AND CLOSING   | ALP24 |
| NO SUNROOF OPENING POSITION 1, 2 or 3  | ALP25 |
| THE SUNROOF IS DIFFICULT TO CLOSE OR THE ANTI-PINCH IS TRIGGERED WITHOUT ANY APPARENT OBSTACLE | ALP26 |
| FAULT LOCKING/UNLOCKING USING CARD BUTTON  | ALP27 |
| TAILGATE LOCKING/UNLOCKING FAULT VIA CARD BUTTON   | ALP28 |
| BOOT OPENING FAULT<br>(NOT HANDS-FREE)   | ALP29 |
| REAR SCREEN OPENING FAULT<br>(NOT HANDS-FREE)  | ALP30 |
| FUEL TANK FLAP LOCKING / UNLOCKING FAULT   | ALP31 |
| UNLOCKING FAULT IN HANDS-FREE MODE   | ALP32 |
| LOCKING FAULT IN HANDS-FREE MODE   | ALP33 |
| HANDS-FREE BOOT UNLOCKING FAULT  | ALP34 |
| FAULT OPENING THE REAR SCREEN IN HANDS-FREE MODE   | ALP35 |
| FAULT LOCKING/UNLOCKING ONE OR MORE DOORS  | ALP36 |
| RENAULT ANTI-INTRUDER DEVICE OPERATION FAULT (RAID*)   | ALP37 |
| WINDOWS FAIL TO CLOSE AFTER TWO ATTEMPTS TO LOCK   | ALP38 |

\*RAID: Renault Anti-Intruder Device



ANTITHEFT AND STARTING RECORDED FAULTS

|   |       |
|---|-------|
| NO + ACCESSORIES FEED   | ALP39 |
| FORCED AFTER-IGNITION FEED FAILS  | ALP40 |
| THE VEHICLE DOES NOT START AND THE AFTER IGNITION FEED FAILS, CARD IN THE CARD READER                                   | ALP41 |
| THE VEHICLE DOES NOT START, THE AFTER IGNITION FEED FAILS IN HANDS-FREE MODE BUT WORKS WITH THE CARD IN THE CARD READER | ALP42 |
| THE VEHICLE FAILS TO START AND GOES INTO AFTER IGNITION FEED  | ALP43 |
| THE STARTER BRIEFLY RUNS BUT THE VEHICLE FAILS TO START AND GOES INTO AFTER IGNITION FEED                               | ALP44 |
| IMPOSSIBLE TO SHUT OFF ENGINE   | ALP45 |
| STEERING COLUMN LOCK DOES NOT LOCK  | ALP46 |
| STEERING COLUMN LOCK DOES NOT UNLOCK  | ALP47 |
| STARTING ERRATIC  | ALP48 |

DOOR MIRRORS

- NO FOLDING-IN OR FOLDING-OUT OF ONE OR MORE DOOR MIRRORS ALP49
- CANNOT ADJUST ONE OF THE TWO DOOR MIRRORS ALP50

SUPPLY

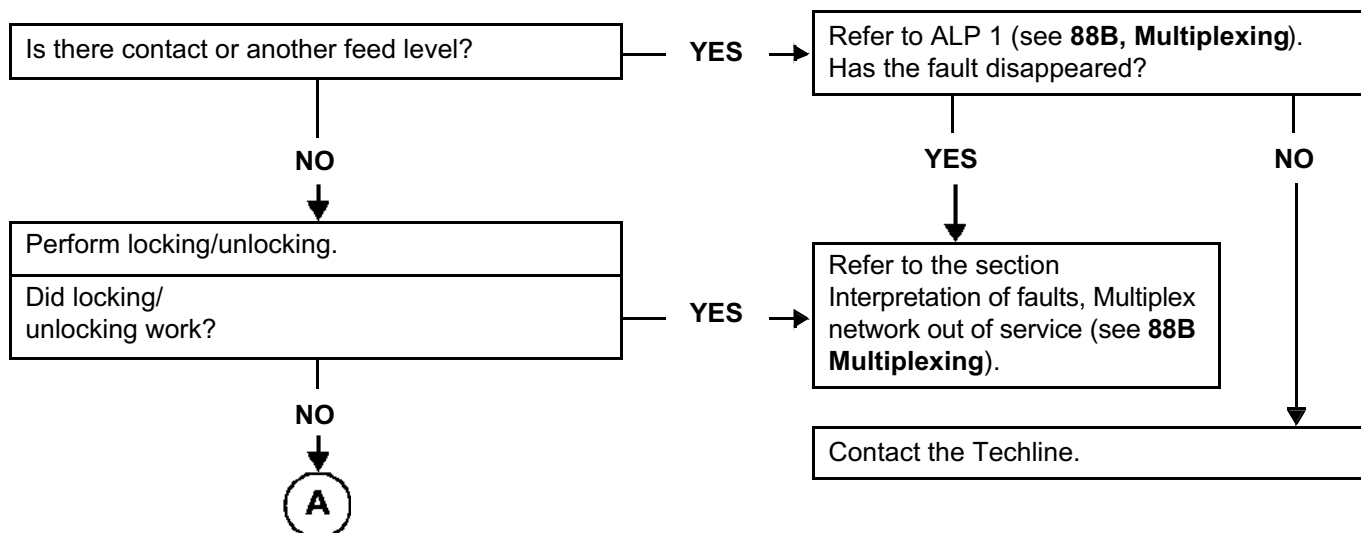
- + AFTER IGNITION FEED REMAINS BLOCKED ALP51

TYRE PRESSURE MONITOR

|  |  |       |
|--|--|-------|
|  | "ADJUST TYRE PRESSURE" MESSAGE APPEARS (WHEEL CONCERNED IS HIGHLIGHTED ON THE DISPLAY) | ALP52 |
|  | "ADJUST TYRE PRESSURE" MESSAGE APPEARS (2 WHEELS BECOME HIGHLIGHTED ON THE DISPLAY)    | ALP53 |
|  | "TYRE SENSOR FAULT" MESSAGE APPEARS (WHEEL WARNING LIGHT DISAPPEARS)                   | ALP54 |
|  | "TYRE SENSOR FAULT" MESSAGE APPEARS (4 WHEEL WARNING LIGHTS DISAPPEAR)                 | ALP55 |
|  | "PUNCTURE: CHANGE WHEEL" MESSAGE APPEARS (THE WHEEL IS HIGHLIGHTED ON THE DISPLAY)     | ALP56 |

|      |                               |
|------|-------------------------------|
| ALP1 | No dialogue with the computer |
|------|-------------------------------|

|              |  |
|--------------|--|
| <b>NOTES</b> | <p>Check the condition and connection of the battery connections.</p> <p>Check the condition of the power fuses on the battery's positive terminal.</p> <p>Check the battery voltage.</p> <p>Repair if necessary.</p> <p><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
|--------------|--|



|                            |   |
|----------------------------|---|
| <b><i>AFTER REPAIR</i></b> | Carry out a complete check using the <b>diagnostic tool</b> . |
|----------------------------|---|

|                   |  |
|-------------------|--|
| ALP1<br>CONTINUED |  |
|-------------------|--|



Check the condition and connection of **connector PP1** of the UCH.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check for **earth** on connection **MAM** on the **PP3 connector** of component **645**.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

Check for **+ 12 V** on the following connections of the **PP1 connector**:

- Connection code **BPS1** of component **645**.
- Connection code **BP77** of component **645**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.  
Are the power supplies correct?

YES  
↓

Repair the faulty connections and fuses up to the battery, checking the passenger compartment relay and fuse boxes and the power supply fuse board.

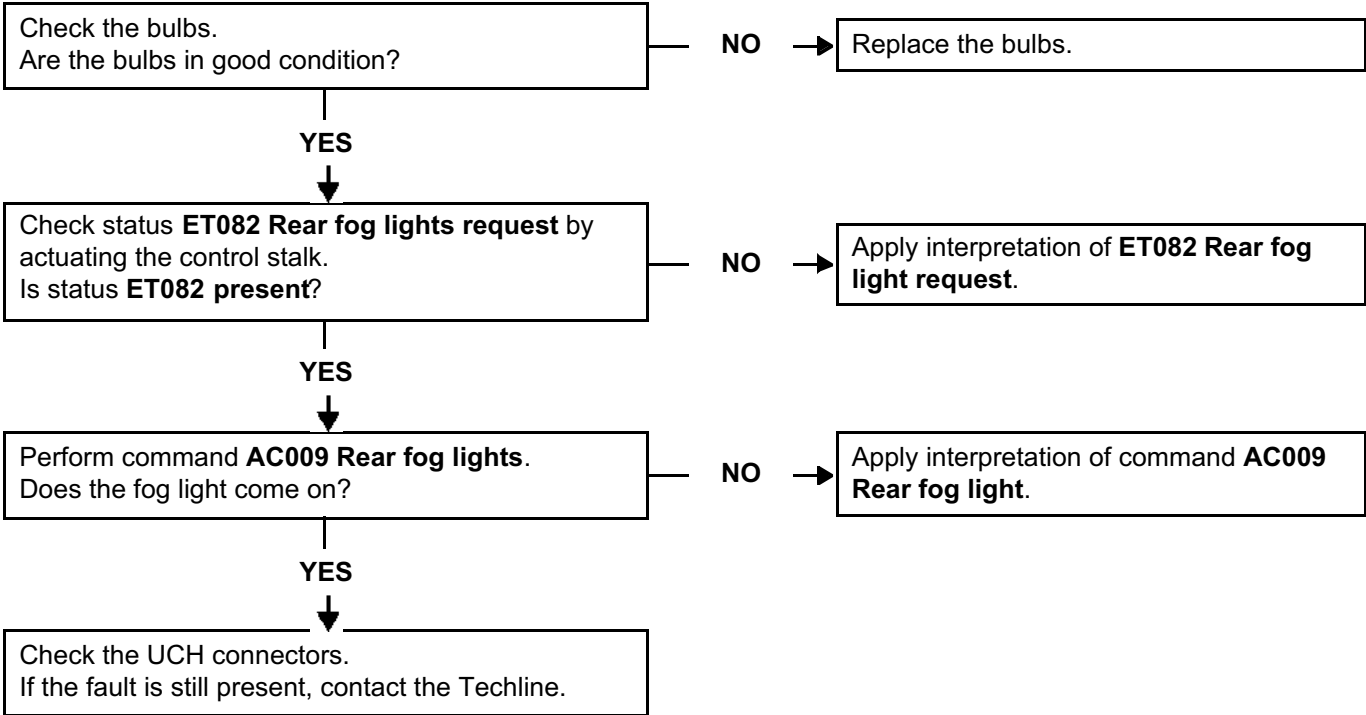
NO  
↓

Contact the Techline.

|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

|      |                    |
|------|--------------------|
| ALP2 | No rear fog lights |
|------|--------------------|

|       |  |
|-------|--|
| NOTES | Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b> . |
|-------|--|



|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

**ALP3**

**NO RIGHT-HAND DIRECTION INDICATOR**

**NOTES**

Only check this customer complaint after performing a complete check with the **diagnostic tool**.

Check the bulbs.  
Are the bulbs in good condition?

**NO**

→ Replace the bulbs.

**YES**

Check the **+ 12 V** supply and earth on the bulb connectors (see interpretation of **DF012 Right-hand direction indicator circuit**).  
Is there a supply?

**YES**

Verify that there is no corrosion on the connector.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

**NO**

Check status **ET084 Right-hand direction indicator request** by actuating the control stalk.  
Is status **ET084** present?

**NO**

→ Apply interpretation of status **ET084 Right-hand indicator request**.

**YES**

Perform command **AC023 Right-hand direction indicator**.  
Does the right-hand direction indicator come on?

**NO**

→ Apply interpretation of command **AC023 Right-hand direction indicator**.

**YES**

Check the UCH connectors.  
If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out a complete check using the **diagnostic tool**.

**ALP4**

**No left-hand direction indicator**

**NOTES**

Only check this customer complaint after performing a complete check with the **diagnostic tool**.

Check the bulbs.  
Are the bulbs in good condition?

**NO**

→ Replace the bulbs.

**YES**

Check the **+ 12 V** supply and **earth** on the headlight connectors (see interpretation of **DF013 Left-hand direction indicator circuit**).  
Is there a supply?

**YES**

Verify that there is no corrosion on the connector.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

**NO**

Check status **ET083 Left-hand direction indicator request** by moving the control stalk.  
Is status **ET083** present?

**NO**

→ Apply interpretation of status **ET083 Left-hand direction indicator request**.

**YES**

Perform command **AC022 Left-hand direction indicator**.  
Does the left-hand direction indicator come on?

**NO**

→ Apply interpretation of command **AC022 Left-hand direction indicator**.

**YES**

Check the UCH connectors.  
If the fault is still present, contact the Techline.

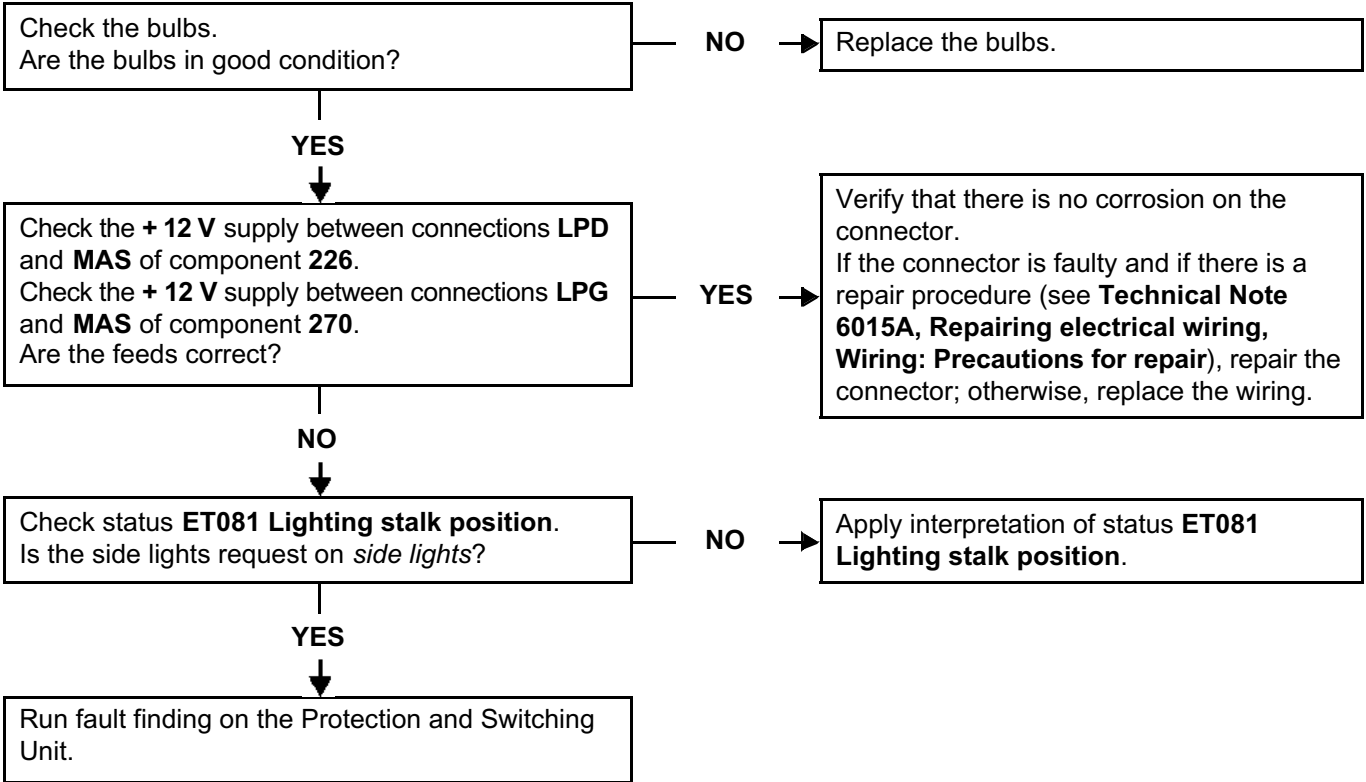
**AFTER REPAIR**

Carry out a complete check using the **diagnostic tool**.



|      |   |
|------|---|
| ALP5 | No side lights<br>(Lights without xenon bulb) |
|------|---|

|       |  |
|-------|--|
| NOTES | Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b> .<br>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b> . |
|-------|--|



|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

**ALP6**

**No Dipped Headlights**  
(Lights without xenon bulb)

**NOTES**

Only check this customer complaint after performing a complete check with the **diagnostic tool**.  
**Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.**

Check the bulbs.  
Are the bulbs in good condition?

**NO**

→ Replace the bulbs.

**YES**

Check the **+ 12 V** supply between connections **RPG** and **MAS** of component **270**.  
Check the **+ 12 V** supply between connections **RPD** and **MAS** of component **270**.  
If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.  
Are the feeds correct?

**YES**

→ Verify that there is no corrosion on the connector.  
Repair if necessary.

**NO**

Check status **ET081 Lighting stalk position**.  
Is the dipped beam headlight request on *dipped beam*?

**NO**

→ Apply interpretation of status **ET081 Lighting stalk position**.

**YES**

Run fault finding on the Protection and Switching Unit and check the dipped headlight **F8C** fuses (Vdiag 44 UPC) and **F3** and **F4** fuses (Vdiag 48 or above UPC) on the UPC.

**AFTER REPAIR**

Carry out a complete check using the **diagnostic tool**.

**ALP7**

**No main beam headlights**  
(Lights without xenon bulb)

**NOTES**

Only check this customer complaint after performing a complete check with the **diagnostic tool**.  
**Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.**

Check the bulbs.  
Are the bulbs in good condition?

**NO**

→ Replace the bulbs.

**YES**

Check the **+ 12 V** supply on connection **RPD** of component **226** and on connection **RPG** of component **227**.  
Check for **earth** on connection **MAS** of components **226** and **227**.  
If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.  
Are the feeds correct?

**YES**

→ Verify that there is no corrosion on the connector.  
Repair if necessary.

**NO**

Check status **ET081 Lighting stalk position**.  
Does the side light request occur on *main beam*?

**NO**

→ Apply interpretation of status **ET081 Lighting stalk position**.

**YES**

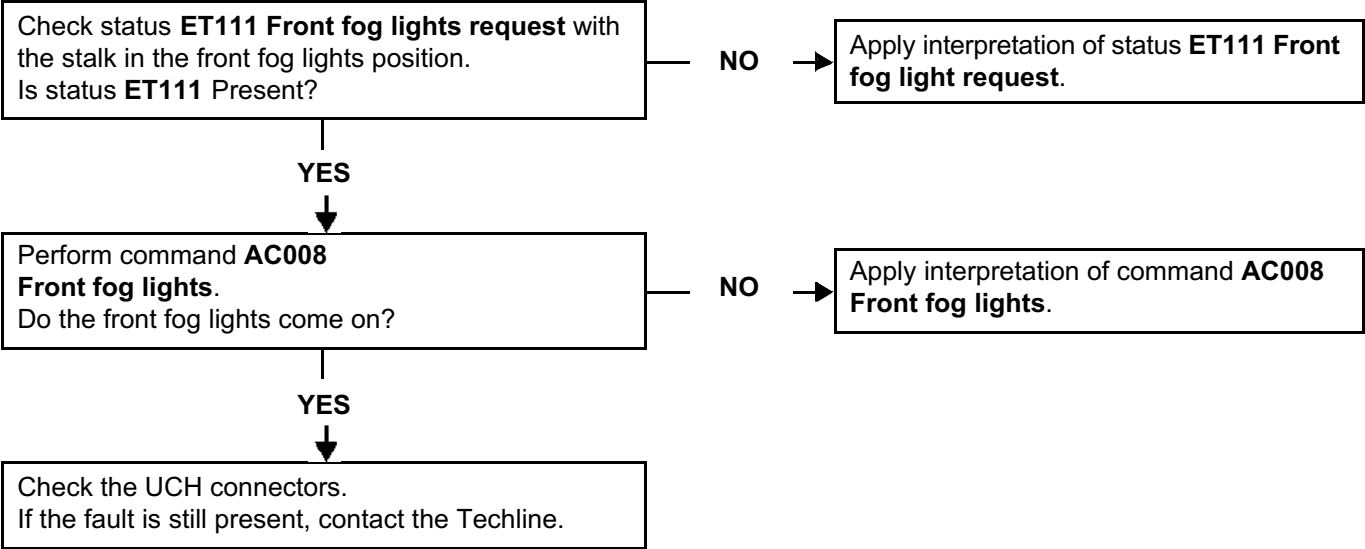
Run fault finding on the Protection and Switching Unit.  
Check the **F8A** and **F8B fuses** (Vdiag 44 UPC) and **F6** and **F7 fuses** (Vdiag 48 or above UPC).

**AFTER REPAIR**

Carry out a complete check using the **diagnostic tool**.

|      |                     |
|------|---------------------|
| ALP8 | No front fog lights |
|------|---------------------|

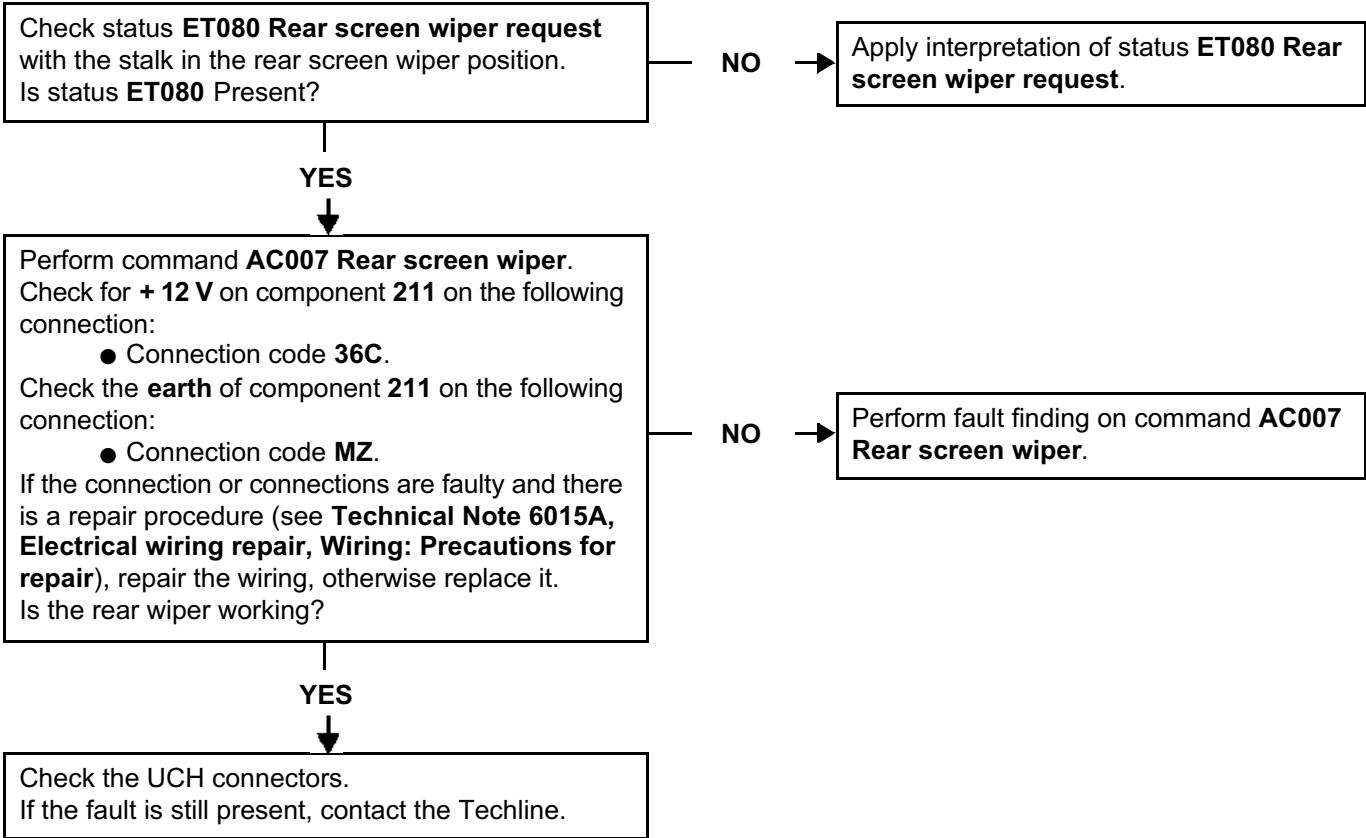
|       |  |
|-------|--|
| NOTES | Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b> . |
|-------|--|



|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

|      |                      |
|------|----------------------|
| ALP9 | No rear screen wiper |
|------|----------------------|

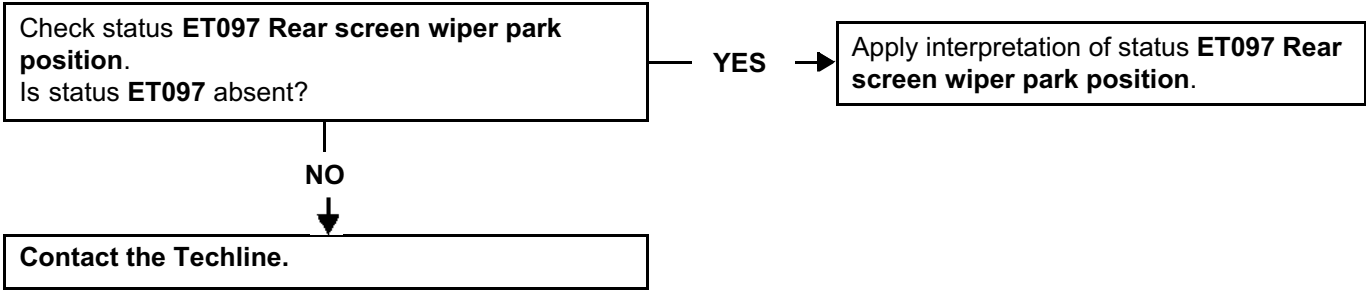
|       |  |
|-------|--|
| NOTES | Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b> .<br>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b> . |
|-------|--|



|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

|       |                       |
|-------|-----------------------|
| ALP10 | No rear park position |
|-------|-----------------------|

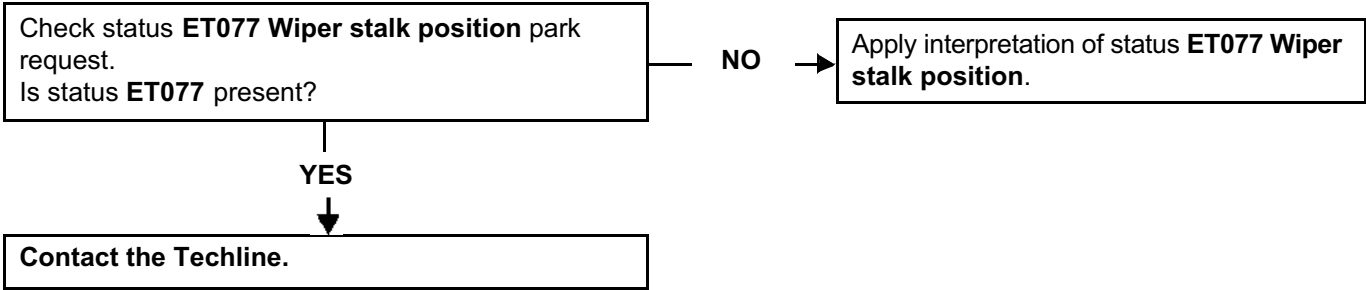
|       |  |
|-------|--|
| NOTES | Only check this customer complaint after performing a complete check with the diagnostic tool. |
|-------|--|



|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the diagnostic tool. |
|--------------|---|

|       |                                   |
|-------|-----------------------------------|
| ALP11 | No windscreen wiper park position |
|-------|-----------------------------------|

|       |  |
|-------|--|
| NOTES | Only check this customer complaint after performing a complete check with the diagnostic tool. |
|-------|--|



|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the diagnostic tool. |
|--------------|---|

|              |                            |
|--------------|----------------------------|
| <b>ALP12</b> | <b>No windscreen wiper</b> |
|--------------|----------------------------|

|              |   |
|--------------|---|
| <b>NOTES</b> | Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b> .<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |
|--------------|---|

|   |
|---|
| Check the condition of the windscreen wiper motor connections ( <b>with battery disconnected</b> ) and the UPC connections.   |
| Check the <b>condition of the connections and the absence of interference resistance</b> on the following connections: <ul style="list-style-type: none"><li>● Connection code <b>14L</b>.</li><li>● Connection code <b>14K</b>.</li><li>● Connection code <b>14M</b> between components <b>645</b> and <b>1337</b>.</li></ul> If the connection or connections are faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it. |
| Check for an <b>earth</b> on connection <b>MAS</b> of component <b>212</b> .<br>If the connection is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the wiring, otherwise replace it.  |
| <b>If the fault is still present, contact the Techline.</b>   |

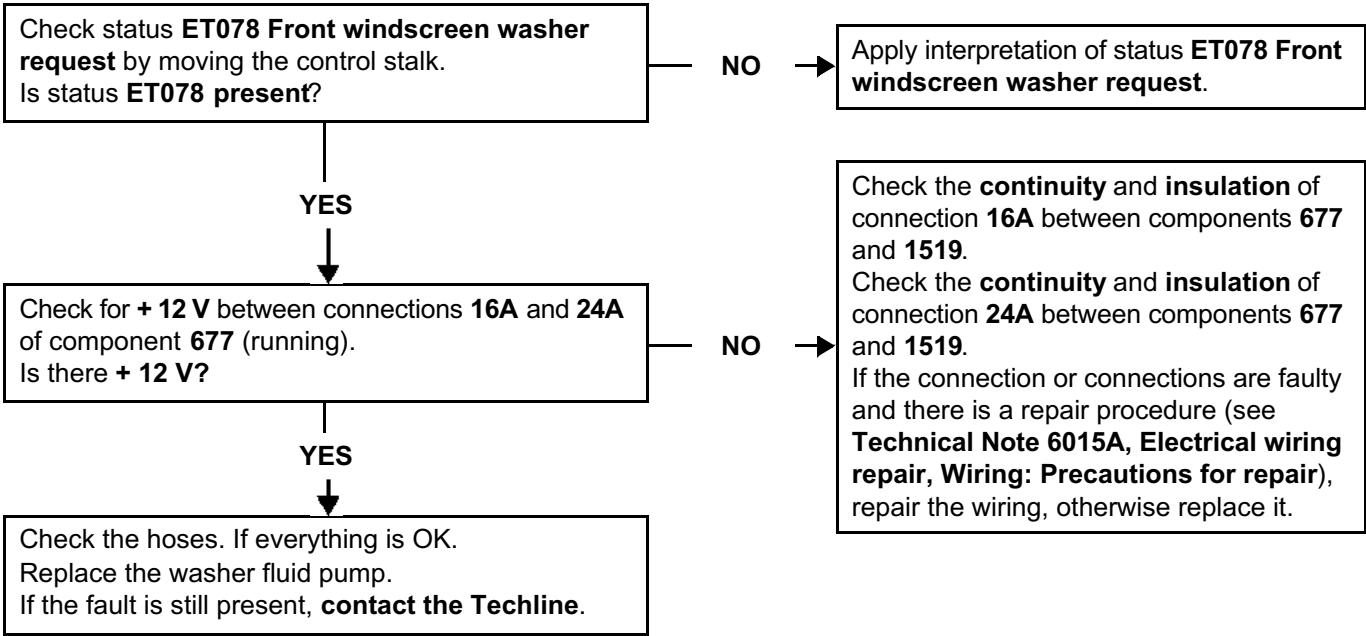
|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out a complete check using the <b>diagnostic tool</b> . |
|---------------------|---|



|       |                                 |
|-------|---------------------------------|
| ALP13 | No front and rear screen washer |
|-------|---------------------------------|

|       |  |
|-------|--|
| NOTES | Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b> .<br>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b> . |
|-------|--|

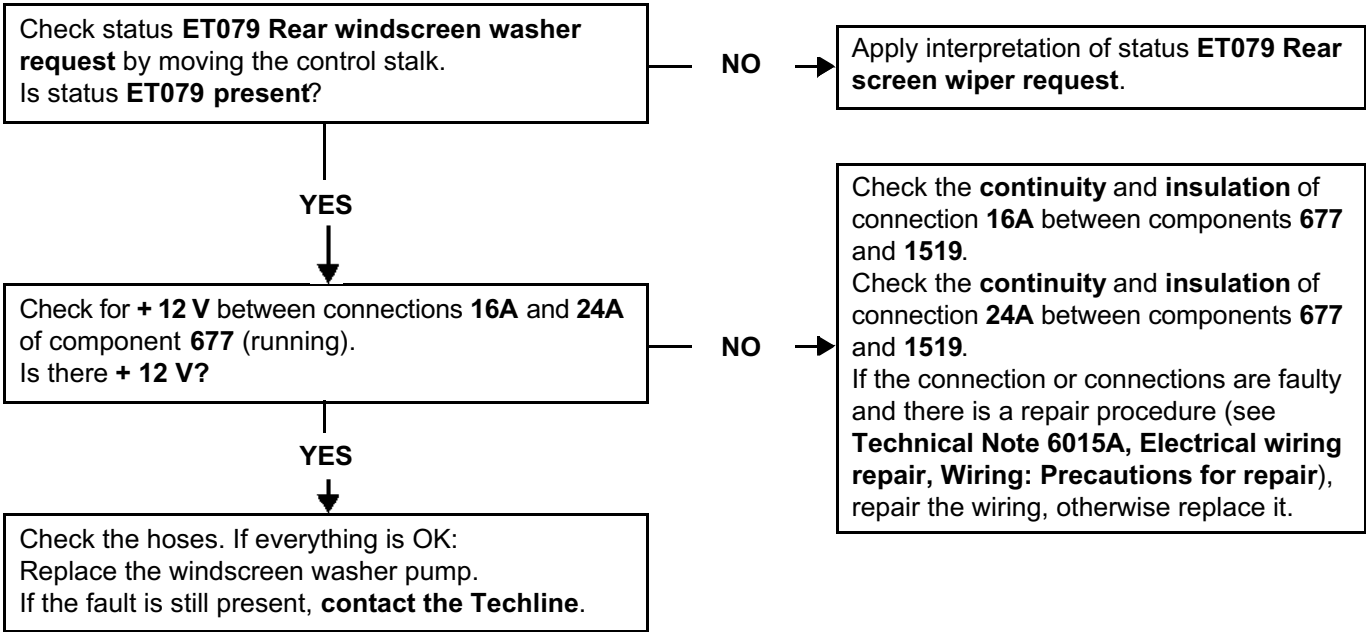
Windscreen washer



|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

|                    |  |
|--------------------|--|
| ALP13<br>CONTINUED |  |
|--------------------|--|

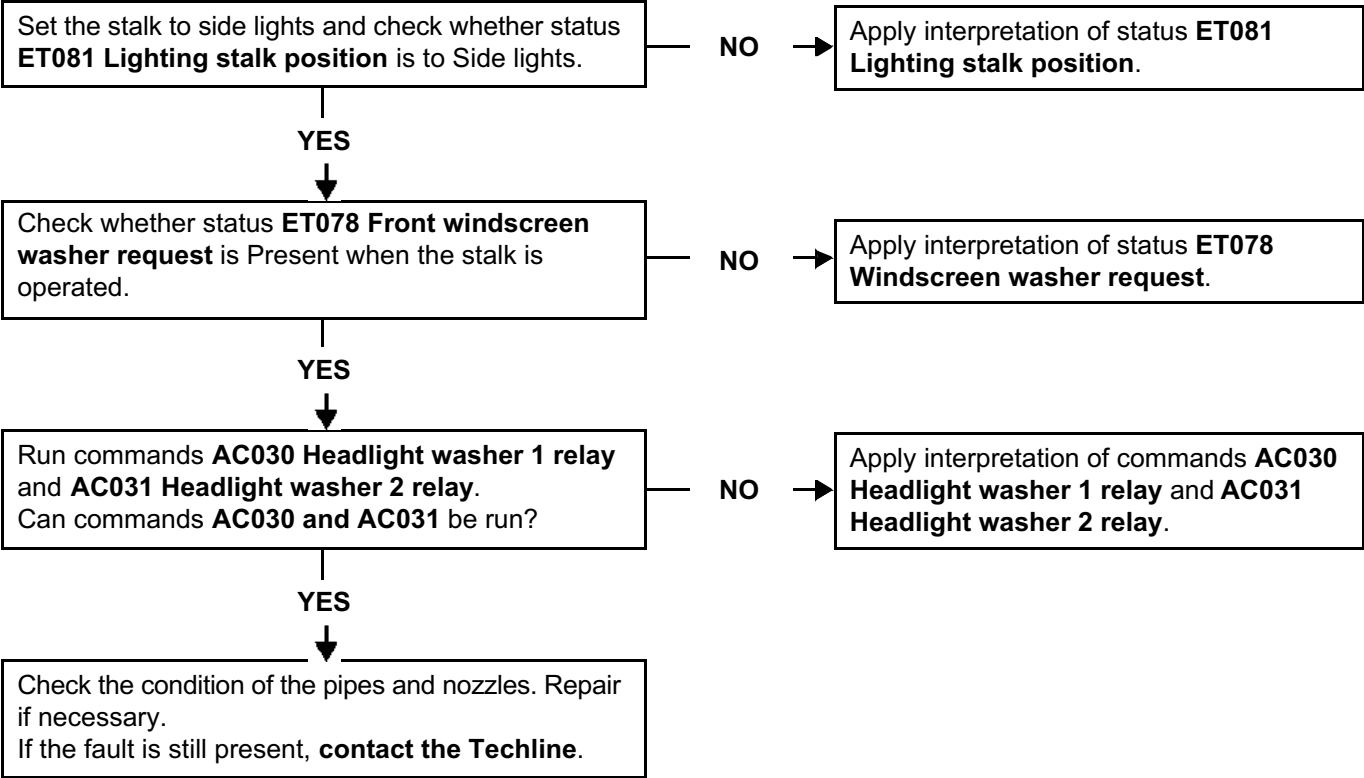
Rear screen washer



|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

|       |  |
|-------|--|
| ALP14 | No headlight washers<br>(Only if VDIAG 44 UPC) |
|-------|--|

|       |  |
|-------|--|
| NOTES | Only check this customer complaint after performing a complete check with the diagnostic tool. |
|-------|--|

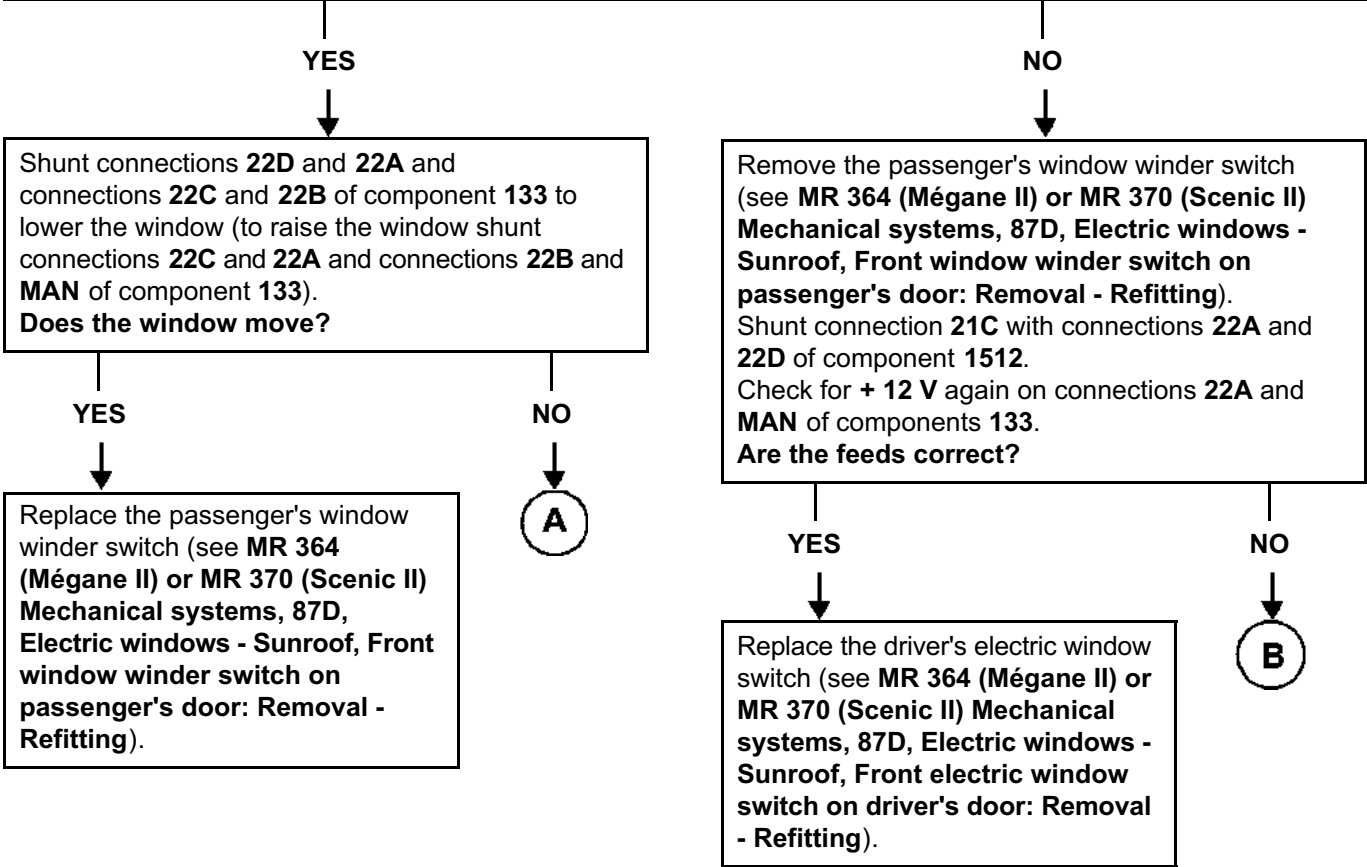


|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the diagnostic tool. |
|--------------|---|

|       |  |
|-------|--|
| ALP15 | No passenger window operation<br>(Driver and passenger electric windows) |
|-------|--|

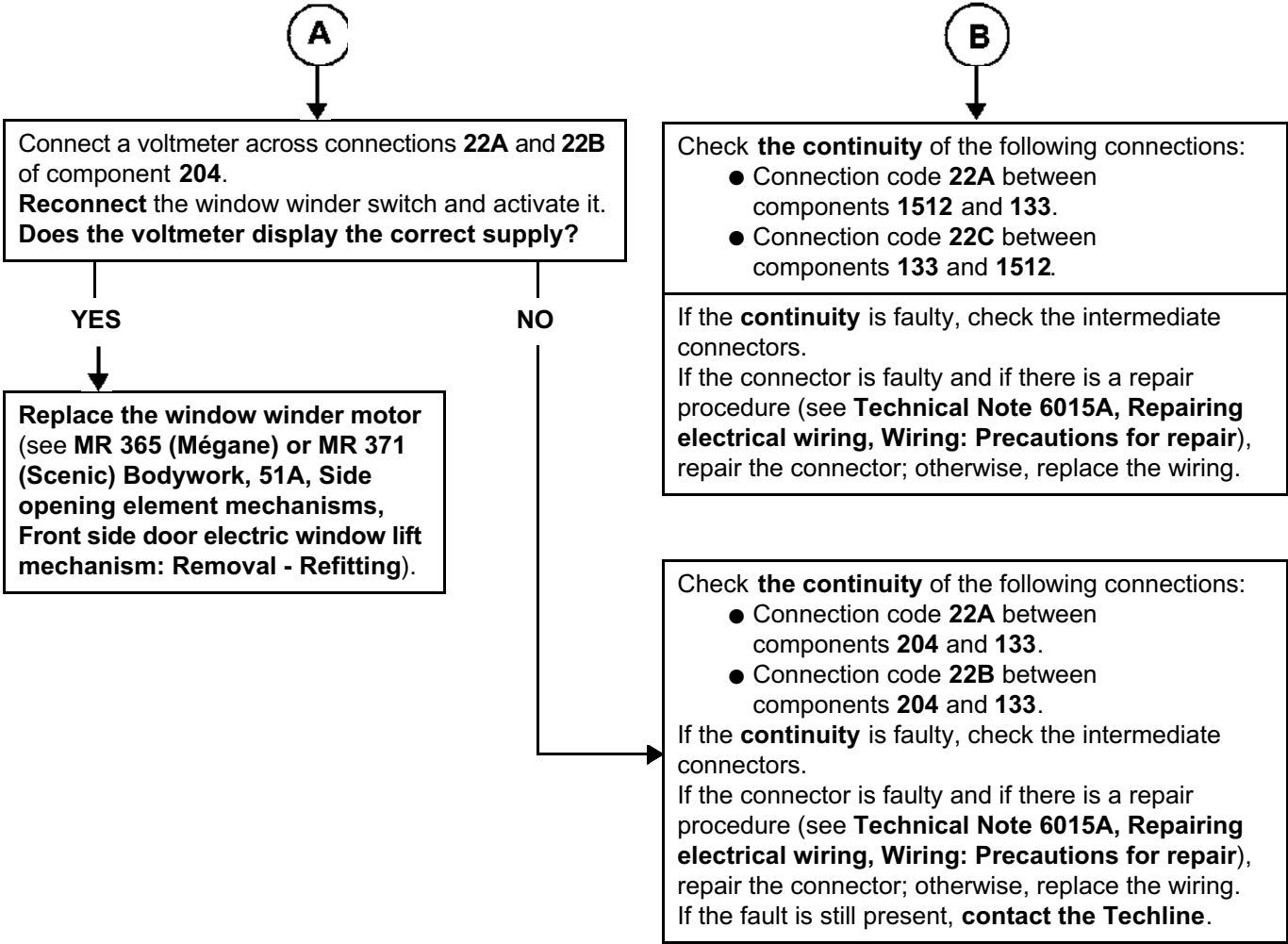
|       |   |
|-------|---|
| NOTES | Use the Wiring Diagram Technical Note and a multimeter.<br>Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b> .<br>For vehicles with <b>Mégane II phase 2 bodywork</b> , see <b>87D Electric windows - Sunroof, Fault finding chart</b> .<br>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b> . |
|-------|---|

|   |
|---|
| Remove the passenger's window winder switch (see <b>MR 364 (Mégane II) or MR 370 (Scenic II) Mechanical systems, 87D, Electric windows - Sunroof, Front window winder switch on passenger's door: Removal - Refitting</b> ) and disconnect its connector.<br>Check for <b>+ 12 V</b> on connections <b>22A</b> and <b>MAN</b> of component <b>133</b> . |
| Are the feeds correct?  |



|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

|                    |  |
|--------------------|--|
| ALP15<br>CONTINUED |  |
|--------------------|--|



|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the diagnostic tool. |
|--------------|---|

**ALP16**

**No passenger window operation**  
(Driver and passenger one-touch electric windows)

**NOTES**

Use the Wiring Diagram Technical Note and a multimeter.  
Only check this customer complaint after performing a complete check with the **diagnostic tool**.  
For vehicles with **Mégane II phase 2 bodywork**, see **87D Electric windows - Sunroof, Fault finding chart**.  
Use **Wiring Diagrams Technical Note** for MEGANE II or SCENIC II.

Remove the passenger's window winder switch (see **MR 364 (Mégane II) or MR 370 (Scenic II) Mechanical systems, 87D, Electric windows - Sunroof, Front window winder switch on passenger's door: Removal - Refitting**) and disconnect its connector.

Shunt connections **22A** and **MAN** of component **133** to lower the window and to raise the window shunt connections **22B** and **MAN** of component **133**.

**Does the window move?**

**YES**

Replace the passenger's window winder switch (see **MR 364 (Mégane II) or MR 370 (Scenic II) Mechanical systems, 87D, Electric windows - Sunroof, Front window winder switch on passenger's door: Removal - Refitting**).

Check that the right-hand dashboard cross member earth is in good condition and correctly secured to the chassis.  
If the **earth** is not in good condition, clean and retighten the terminal.  
If the **earth** is faulty, replace the wiring.

Check **the continuity** of the following connection:

- Connection code **BP70** between components **204** and **260**.

Check the intermediate connectors and the fuse if there is a **continuity or supply** fault.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

**NO**

Check for **earth** on connection **MAN** of component **204**.  
**Is the earth correct?**

**NO**

**YES**

Connect a voltmeter across connections **BP70** and **MAN** of component **204**.  
**Does the voltmeter display the correct supply?**

**NO**

**YES**

**A**

**AFTER REPAIR**

Carry out a complete check using the **diagnostic tool**.

**ALP16**  
**CONTINUED**

**NOTES**

Use the Wiring Diagram Technical Note and a multimeter.  
Only check this customer complaint after performing a complete check with the **diagnostic tool**.  
**Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.**

**A**

Using a multimeter, check for **+ 12 V** between connections **BP70** and **21K** of component **204**.  
**Is the voltage approximately 12 V?**

**NO**

Check **the continuity** on the following connection:

- Connection code **21K** between components **645** and **204**.

If one **continuity** is poor, check the intermediate connectors.

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

**YES**

Using a multimeter, check for **+ 12 V** between connections **22A** and **22B** of component **133**.  
**Is the voltage approximately 12 V?**

**NO**

Check **the continuity** of the following connections:

- Connection code **22A**.
- Connection code **22B** between components **204** and **133**.

**Is the continuity of the connections correct?**

**YES**

**NO**

**Replace the window winder motor (see MR 365 (Mégane) or MR 371 (Scenic) Bodywork, 51A, Side opening element mechanisms, Front side door electric window lift mechanism: Removal - Refitting).**

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.  
If the fault is still present, **contact the Techline**.

**AFTER REPAIR**

Carry out a complete check using the **diagnostic tool**.

|              |  |
|--------------|--|
| <b>ALP17</b> | <b>No passenger window operation</b><br>(Driver's one-touch electric window and passenger electric window) |
|--------------|--|

|              |   |
|--------------|---|
| <b>NOTES</b> | <p>Use the Wiring Diagram Technical Note and a multimeter.<br/>Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b>.<br/>For vehicles with <b>Mégane II phase 2 bodywork</b>, see <b>87D Electric windows - Sunroof, Fault finding chart</b>.<br/>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b>.</p> |
|--------------|---|

Remove the passenger's window winder switch (see **MR 364 (Mégane II) or MR 370 (Scenic II) Mechanical systems, 87D, Electric windows - Sunroof, Front window winder switch on passenger's door: Removal - Refitting**) and disconnect its connector. Check for **+ 12 V** on connections **22D** and **22C** of component **133**.  
**Are the feeds correct?**

**YES**

**NO**

Shunt connections **22C** and **22B** of component **133** and shunt connections **22D** and **22A** of component **133** to lower the window (to raise the window, shunt connections **22D** and **22B** of component **133** and connections **22C** and **MAN** of component **133**).  
**Does the window move?**

**YES**

**NO**

Replace the passenger's window winder switch (see **MR 364 (Mégane II) or MR 370 (Scenic II) Mechanical systems, 87D, Electric windows - Sunroof, Front window winder switch on passenger's door: Removal - Refitting**).

**A**

Remove the passenger's window winder switch (see **MR 364 (Mégane II) or MR 370 (Scenic II) Mechanical systems, 87D, Electric windows - Sunroof, Front window winder switch on passenger's door: Removal - Refitting**) and disconnect its connector. Check for **+ 12 V** on connection **22C** of component **1512**.  
**Is the feed correct?**

**YES**

**NO**

**B**

Check **the continuity** on the following connection:

- Connection code **A1** between components **260** and **1512**.

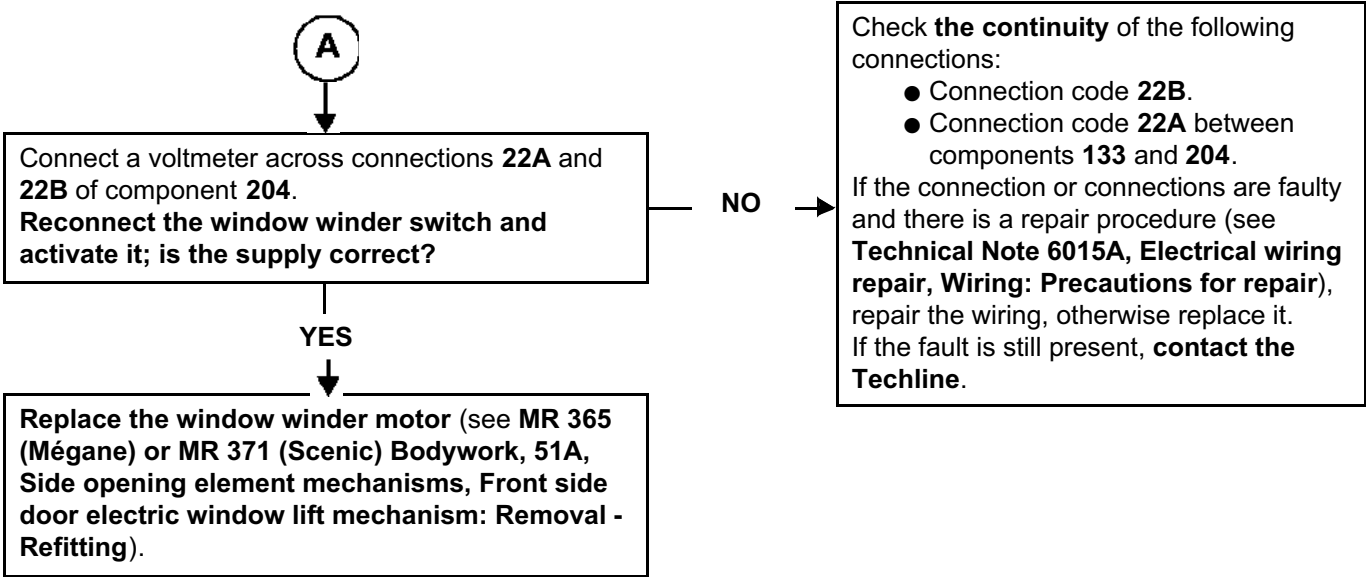
If there is poor **continuity**, check the intermediate connector.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.

**AFTER REPAIR**

Carry out a complete check using the **diagnostic tool**.

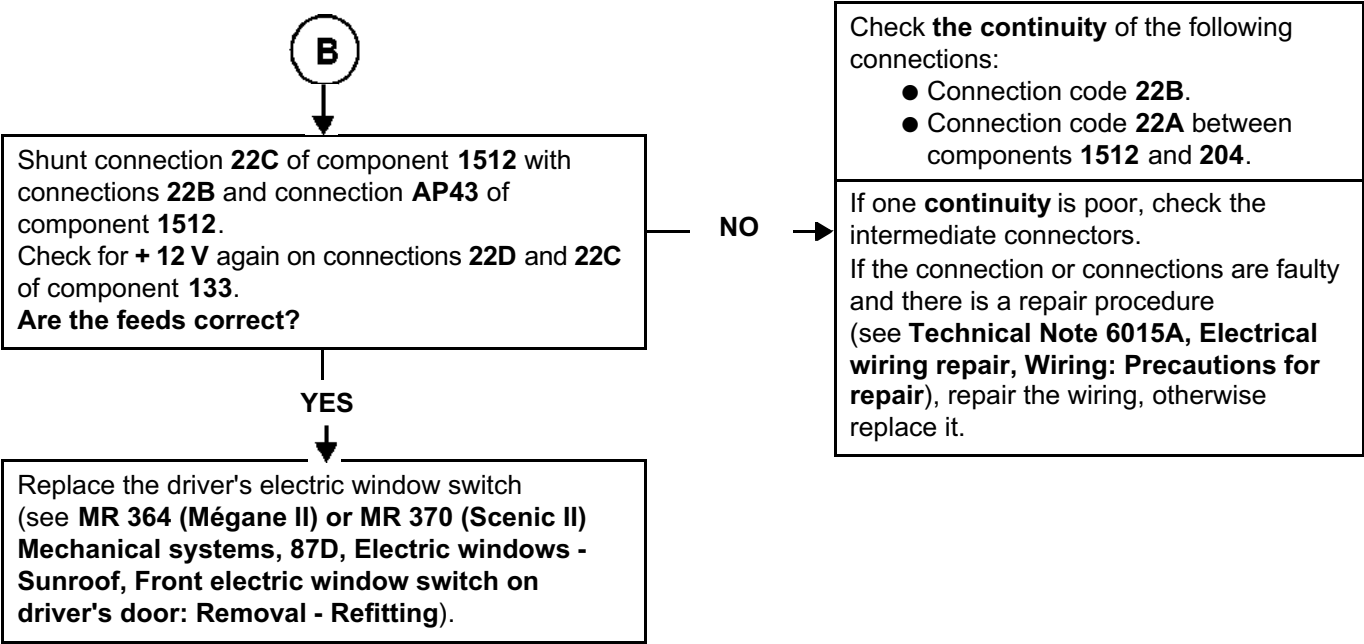


|                      |  |
|----------------------|--|
| ALP17<br>CONTINUED 1 |  |
|----------------------|--|



|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

|                      |  |
|----------------------|--|
| ALP17<br>CONTINUED 2 |  |
|----------------------|--|



|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

|              |  |
|--------------|--|
| <b>ALP18</b> | <b>No driver's window operation</b><br>(Driver and passenger electric windows) |
|--------------|--|

|              |   |
|--------------|---|
| <b>NOTES</b> | <p>Use the Wiring Diagram Technical Note and a multimeter.<br/>Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b>.<br/>For vehicles with <b>Mégane II phase 2 bodywork</b>, see <b>87D Electric windows - Sunroof, Fault finding chart</b>.<br/>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b>.</p> |
|--------------|---|

Remove the driver's window winder switch (see **MR 364 (Mégane II) or MR 370 (Scenic) Mechanical systems, 87D, Electric windows - Sunroof, Front window winder switch on driver's door: Removal - Refitting**) and disconnect its connector.

Check for **+ 12 V** on connection **21C** of component **1512**.

**Is the feed correct?**

**YES**

**NO**

Shunt **track 5** of the **white** driver's electric window switch connector with **track 5** of the **black** driver's electric window switch connector and shunt connections **21E** and **MAM** of component **1512** to lower the window (to raise the window, shunt **track 5** of the **white** driver's electric window switch connector with **track 4** of the **white** driver's electric window switch connector and shunt connections **21C** and **MAM** of component **1512**).  
**Does the window move?**

Check that the left-hand dashboard cross member earth is in good condition and correctly secured to the chassis. If the **earth** is not in good condition, clean and retighten the terminal.  
If the **earth** is faulty, replace the wiring.

**NO**



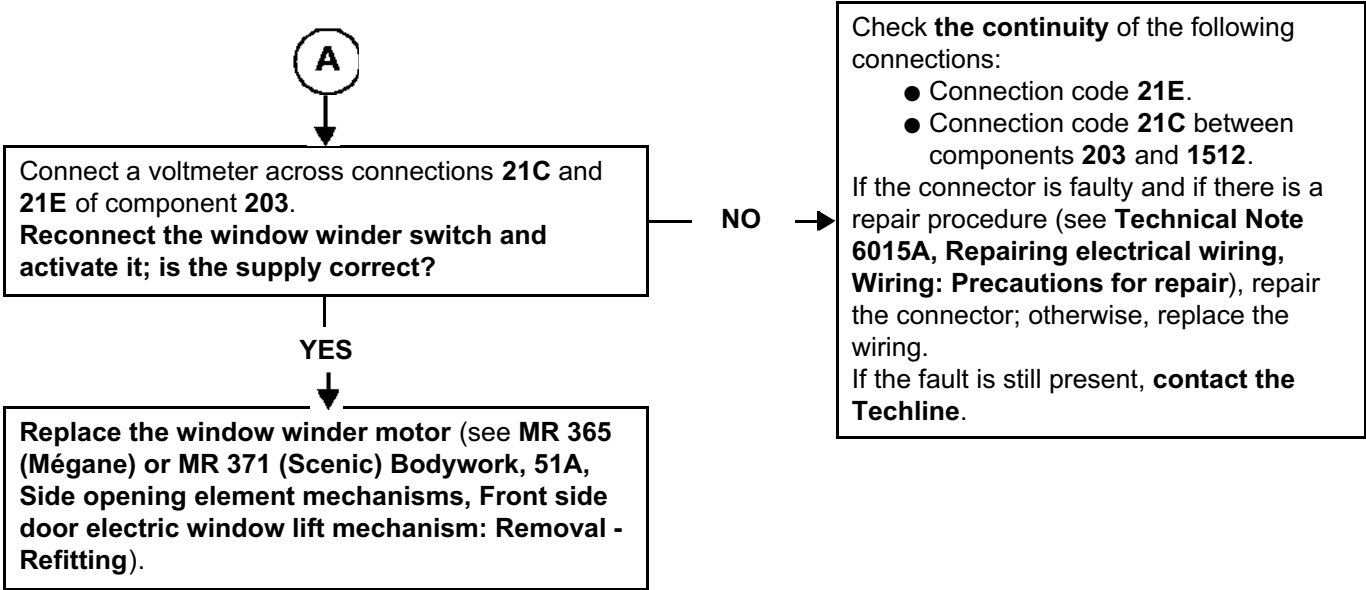
**YES**

Replace the driver's electric window switch (see **MR 364 (Mégane II) or MR 370 (Scenic II) Mechanical systems, 87D, Electric windows - Sunroof, Front electric window switch on driver's door: Removal - Refitting**).

**AFTER REPAIR**

Carry out a complete check using the **diagnostic tool**.

|                    |  |
|--------------------|--|
| ALP18<br>CONTINUED |  |
|--------------------|--|



|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the diagnostic tool. |
|--------------|---|

|       |   |
|-------|---|
| ALP19 | No driver's window operation<br>(Driver and passenger one-touch electric windows) |
|-------|---|

|       |   |
|-------|---|
| NOTES | Use the Wiring Diagram Technical Note and a multimeter.<br>Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b> .<br>For vehicles with <b>Mégane II phase 2 bodywork</b> , see <b>87D Electric windows - Sunroof, Fault finding chart</b> .<br>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b> . |
|-------|---|

Remove the driver's window winder switch (see **MR 364 (Mégane II) or MR 370 (Scenic II) Mechanical systems, 87D, Electric windows - Sunroof, Front window winder switch on driver's door: Removal - Refitting**) and disconnect its connector.  
Shunt connection **21E** of component **1512** with connection **MAS** of component **1512** to lower the window (to raise the window, shunt connection **21C** of component **1512** with connection **MAS** of component **1512**).  
**Does the window move?**

YES



NO



Replace the driver's electric window switch (see **MR 364 (Mégane II) or MR 370 (Scenic II) Mechanical systems, 87D, Electric windows - Sunroof, Front electric window switch on driver's door: Removal - Refitting**).

|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

**ALP19**  
**CONTINUED 1**

**A**

Check for **earth** on connection **MAS** of  
component **1512**.  
**Is the earth correct?**

**NO**

**YES**

Check that the left-hand dashboard cross member  
**earth** is in good condition and correctly secured to  
the chassis.  
If the **earth** is not in good condition, clean and  
retighten the terminal. If the **earth** is faulty, replace  
the wiring.

Check the **continuity** on the following connection:

- Connection code **BP55** between  
components **203** and **260**.

If the **continuity** is faulty, check the intermediate  
connector.  
If the connector is faulty and if there is a repair  
procedure (see **Technical Note 6015A, Repairing  
electrical wiring, Wiring: Precautions for repair**),  
repair the connector; otherwise, replace the wiring.

**NO**

**NO**

Check for **earth** on connection **22D** of  
component **1512**.  
**Is the earth correct?**

**YES**

Check for **+ 12 V** on connection **BP55** of  
component **1512**.  
**Is the feed correct?**

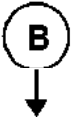
**YES**

**B**

**AFTER REPAIR**

Carry out a complete check using the **diagnostic tool**.

|                      |  |
|----------------------|--|
| ALP19<br>CONTINUED 2 |  |
|----------------------|--|



Check for + 12 V on connection 21E of component 1512.  
Is the feed correct?

YES

NO

Check for + 12 V between connection 21K and BP55  
of component 1512.  
Is the feed correct?

YES

NO

Replace the window winder motor  
(see MR 365 (Mégane) or MR 371  
(Scenic) Bodywork, 51A, Side  
opening element mechanisms, Front  
side door electric window lift  
mechanism: Removal - Refitting).

Check the continuity on the following connection:  
● Connection code 21K.  
Between components 203 and 645.  
In the event of a continuity fault, check 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.

Check the continuity of the following connections:  
● Connection code 21E.  
● Connection code 21C.  
Between components 203 and 1512.  
If the connector is faulty and if there is a repair  
procedure (see Technical Note 6015A, Repairing  
electrical wiring, Wiring: Precautions for repair),  
repair the connector; otherwise, replace the wiring.  
Is the continuity good?

YES

NO

Replace the window winder motor  
(see MR 365 (Mégane) or MR 371  
(Scenic) Bodywork, 51A, Side  
opening element mechanisms, Front  
side door electric window lift  
mechanism: Removal - Refitting).

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

|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the diagnostic tool. |
|--------------|---|

|              |   |
|--------------|---|
| <b>ALP20</b> | <b>No driver's window operation</b><br>(Driver's one-touch electric window and passenger electric window) |
|--------------|---|

|              |   |
|--------------|---|
| <b>NOTES</b> | Use the Wiring Diagram Technical Note and a multimeter.<br>Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b> .<br>For vehicles with <b>Mégane II phase 2 bodywork</b> , see <b>87D Electric windows - Sunroof, Fault finding chart</b> .<br>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b> . |
|--------------|---|

Remove the driver's window winder switch (see **MR 364 (Mégane II) or MR 370 (Scenic) Mechanical systems, 87D, Electric windows - Sunroof, Front window winder switch on driver's door: Removal - Refitting**) and disconnect its connector.

Shunt connections **21E** and **MAS** of component **1512** to lower the window (to raise the window, shunt connections **21C** and **MAS** of component **1512**).

**Does the window move?**

YES



Replace the driver's electric window switch (see **MR 364 (Mégane II) or MR 370 (Scenic II) Mechanical systems, 87D, Electric windows - Sunroof, Front electric window switch on driver's door: Removal - Refitting**).

NO



|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out a complete check using the <b>diagnostic tool</b> . |
|---------------------|---|



**ALP20**  
**CONTINUED 1**

**A**

Check for **earth** on connection **MAS** of  
component **1512**.  
**Is the earth correct?**

**NO**

**YES**

Check that the left-hand dashboard cross member  
**earth** is in good condition and correctly secured to  
the chassis.  
If the **earth** is not in good condition, clean and  
retighten the terminal. If the earth is faulty, replace  
the wiring.

Check **the continuity** on the following connection:

- Connection code **BP55** between  
components **203** and **260**.

If the continuity is faulty, check the intermediate  
connector.  
If the connector is faulty and if there is a repair  
procedure (see **Technical Note 6015A, Repairing  
electrical wiring, Wiring: Precautions for repair**),  
repair the connector; otherwise, replace the wiring.

**NO**

Check for **earth** on connection **MAS** of  
component **152**.  
**Is the earth correct?**

**YES**

**NO**

Check for **+ 12 V** on connection **BP55** of  
component **203**.  
**Is the feed correct?**

**YES**

**B**

**AFTER REPAIR**

Carry out a complete check using the **diagnostic tool**.

|                      |  |
|----------------------|--|
| ALP20<br>CONTINUED 2 |  |
|----------------------|--|



Check for **+ 12 V** on connection **21E** of component **1512** and on connection **21C** of component **1512**.  
**Is the feed correct?**

YES

NO

Check for **+ 12 V** between connections **BP55** and **21K** of component **1512**.  
**Is the feed correct?**

YES

NO

Replace the window winder motor  
(see **MR 365 (Mégane)** or **MR 371 (Scenic) Bodywork, 51A, Side opening element mechanisms, Front side door electric window lift mechanism: Removal - Refitting**).

Check **the continuity** on the following connection:  
● Connection code **21K** between components **203** and **645**.  
In the event of a **continuity** fault, check 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.

Check **the continuity** of the following connections:  
● Connection code **21E**.  
● Connection code **21C** between components **203** and **1512**.  
**Is the continuity good?**

YES

NO

Replace the window winder motor  
(see **MR 365 (Mégane)** or **MR 371 (Scenic) Bodywork, 51A, Side opening element mechanisms, Front side door electric window lift mechanism: Removal - Refitting**).

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

|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

|       |   |
|-------|---|
| ALP21 | Rear left-hand window does not operate<br>(Rear one-touch electric windows) |
|-------|---|

|       |   |
|-------|---|
| NOTES | Use the Wiring Diagram Technical Note and a multimeter.<br>Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b> .<br>For vehicles with <b>Mégane II phase 2 bodywork</b> , see <b>87D Electric windows - Sunroof, Fault finding chart</b> .<br>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b> . |
|-------|---|

Remove the rear left-hand window winder switch (see **MR 364 (Mégane) or MR 370 (Scenic) Mechanical systems, 87D, Electric windows - Sunroof, Rear window winder switch: Removal - Refitting**) and disconnect its connector.  
Shunt connections **20AL** and **23C** of component **131** to lower the window (to raise the window, shunt connections **23D** and **20AL** of component **131**).  
**Does the window move?**

NO

YES

Remove the rear left-hand door trim (see **MR 365 (Mégane) or MR 371 (Scenic) Bodywork, 72A, Side opening trims, Rear side door trim: Removal - Refitting**) and disconnect the connectors from the LH rear window winder and from the LH rear window winder switch.  
Check **the continuity** of the following connections:  
● Connection code **23D**.  
● Connection code **23C** between components **131** and **202**.  
**Is the continuity good?**

Replace the rear left-hand window winder switch (see **MR 364 (Mégane) or MR 370 (Scenic) Mechanical systems, 87D, Electric windows - Sunroof, Rear window winder switch on rear door: Removal - Refitting**).

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

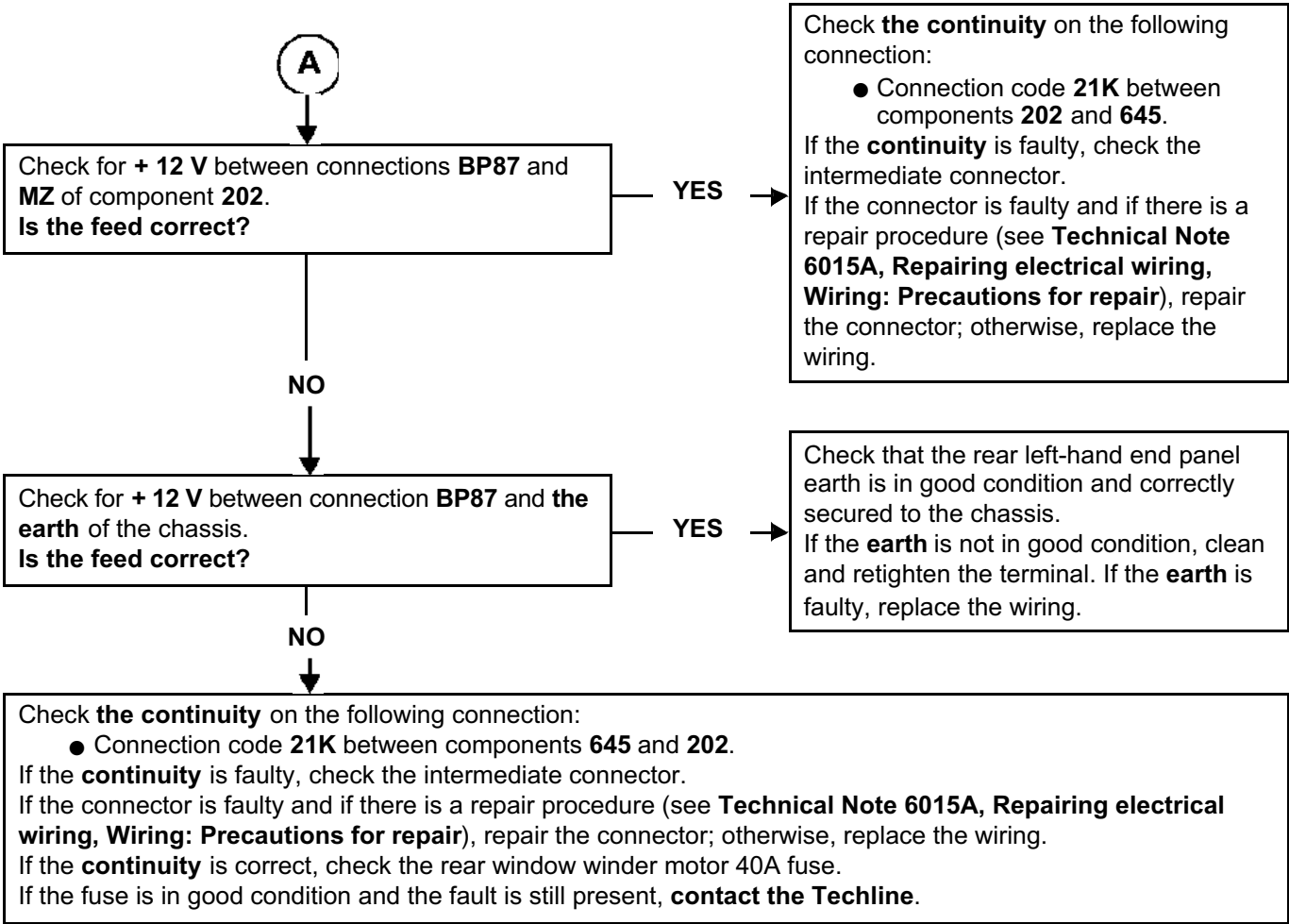
YES



|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

|                    |  |
|--------------------|--|
| ALP21<br>CONTINUED |  |
|--------------------|--|

|       |   |
|-------|---|
| NOTES | Use the Wiring Diagram Technical Note and a multimeter.<br>Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b> .<br>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b> . |
|-------|---|



|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

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|-------|--|
| ALP22 | Rear right-hand window does not operate<br>(Rear one-touch electric windows) |
|-------|--|

|       |   |
|-------|---|
| NOTES | Use the Wiring Diagram Technical Note and a multimeter.<br>Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b> .<br>For vehicles with <b>Mégane II phase 2 bodywork</b> , see <b>87D Electric windows - Sunroof, Fault finding chart</b> .<br>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b> . |
|-------|---|

Remove the rear right-hand window winder switch (see **MR 364 (Mégane) or MR 370 (Scenic) Mechanical systems, 87D, Electric windows - Sunroof, Rear window winder switch: Removal - Refitting**) and disconnect its connector.  
Shunt connections **20AL** and **23A** of component **132** to lower the window (to raise the window, shunt connections **23B** and **20AL** of component **131**).  
**Does the window move?**

NO

YES

Remove the rear right-hand door trim (see **MR 365 (Mégane) or MR 371 (Scenic) Bodywork, 72A, Side opening trims, Rear side door trim: Removal - Refitting**) and disconnect the connectors from the RH rear window winder and from the RH rear window winder switch.  
Check the **continuity** of the following connections:

- Connection code **23B**.
- Connection code **23A** between components **130** and **201**.

**Is the continuity good?**

Replace the rear left-hand window winder switch (see **MR 364 (Mégane) or MR 370 (Scenic) Mechanical systems, 87D, Electric windows - Sunroof, Rear window winder switch on rear door: Removal - Refitting**).

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

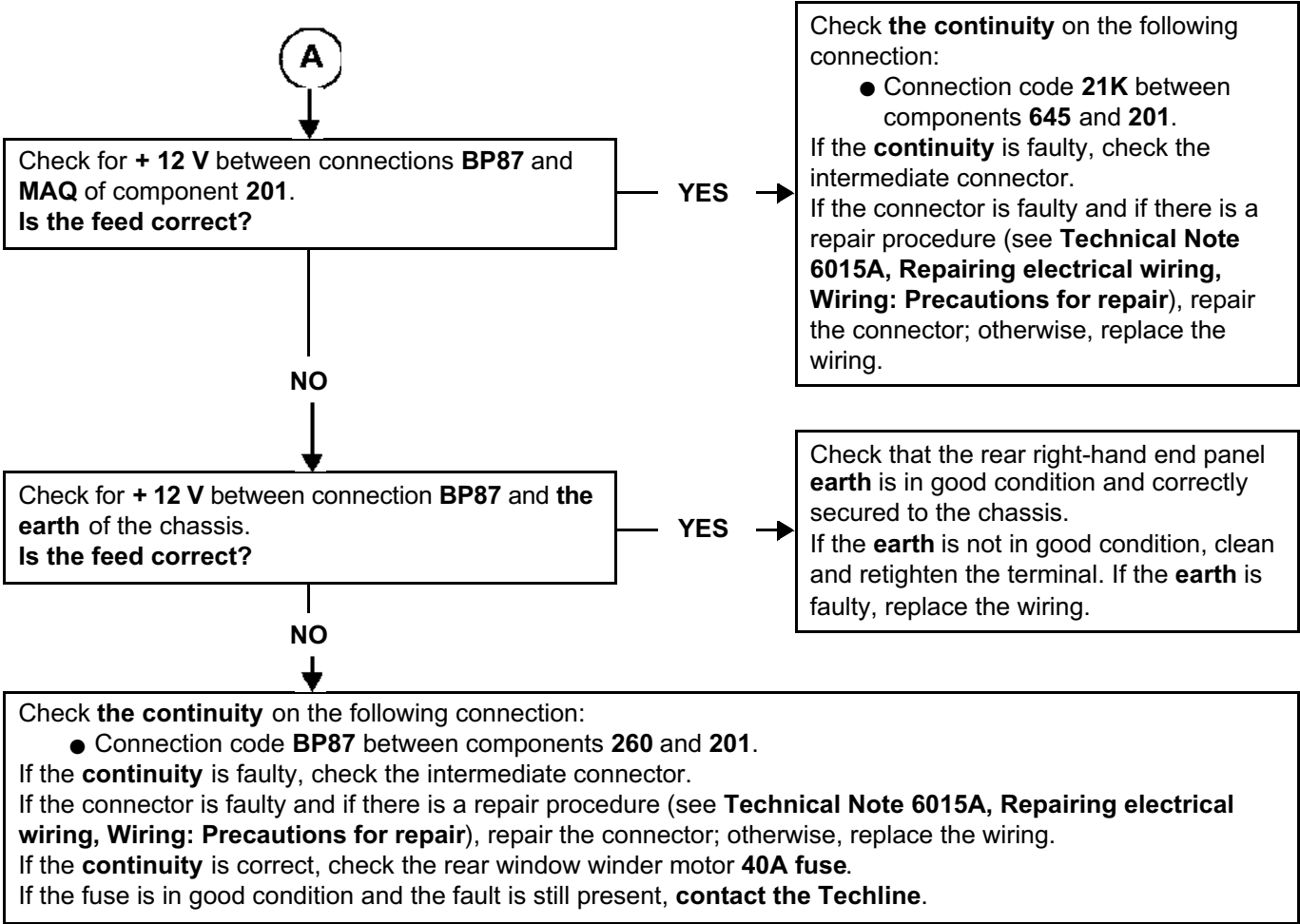
YES



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|--------------|---|
| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

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|--------------------|--|
| ALP22<br>CONTINUED |  |
|--------------------|--|

|       |   |
|-------|---|
| NOTES | Use the Wiring Diagram Technical Note and a multimeter.<br>Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b> .<br>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b> . |
|-------|---|



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| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

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|--------------|--|
| <b>ALP23</b> | <b>No electric window operation</b><br>(Driver's and passengers' electric windows) |
|--------------|--|

|              |   |
|--------------|---|
| <b>NOTES</b> | <p>Use the Wiring Diagram Technical Note and a multimeter.<br/>Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b>.<br/>For vehicles with <b>Mégane II phase 2 bodywork</b>, see <b>87D Electric windows - Sunroof, Fault finding chart</b>.<br/>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b>.</p> |
|--------------|---|

Remove the driver's window winder switch (see **MR 364 (Mégane) or MR 370 (Scenic) Mechanical systems, 87D, Electric windows - Sunroof, Front window winder switch on driver's door: Removal - Refitting**) and disconnect its connector.

Check for **+ 12 V** between **track 5** of the driver's window winder switch white connector and **track 4** of the driver's window winder black connector.

**Is the feed correct?**

**YES**

**NO**

Replace the driver's electric window switch (see **MR 364 (Mégane) or MR 370 (Scenic) Mechanical systems, 87D, Electric windows - Sunroof, Front electric window switch on driver's door: Removal - Refitting**).

Check for **+ 12 V** between connection **track 5** of the driver's window winder switch white connector and the **chassis earth**.  
**Is the feed correct?**

**YES**

**NO**

Check that the left-hand dashboard cross member earth is in good condition and secured correctly. If the **earth** is not in good condition, clean and retighten the terminal. If the earth is faulty, replace the wiring.  
If the fault is still present, **contact the Techline**.

Check **the continuity** on the following connection:  
● Connection code **21K** between components **203** and **645**.  
If the **continuity** is faulty, check the intermediate connector.  
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A, Repairing electrical wiring, Wiring: Precautions for repair**), repair the connector; otherwise, replace the wiring.  
If the fault is still present, **contact the Techline**.

**AFTER REPAIR**

Carry out a complete check using the **diagnostic tool**.

**ALP24**

**NO SUNROOF OPENING AND CLOSING**

**NOTES**

Only consult this customer complaint after a complete check with the **diagnostic tool**.  
For vehicles with **Mégane II phase 2 bodywork**, see **87D Electric windows - Sunroof, Fault finding chart**.  
**Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.**

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

**NO**

Modify the configuration  
(see **Configurations and programming**).

**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**

**A**

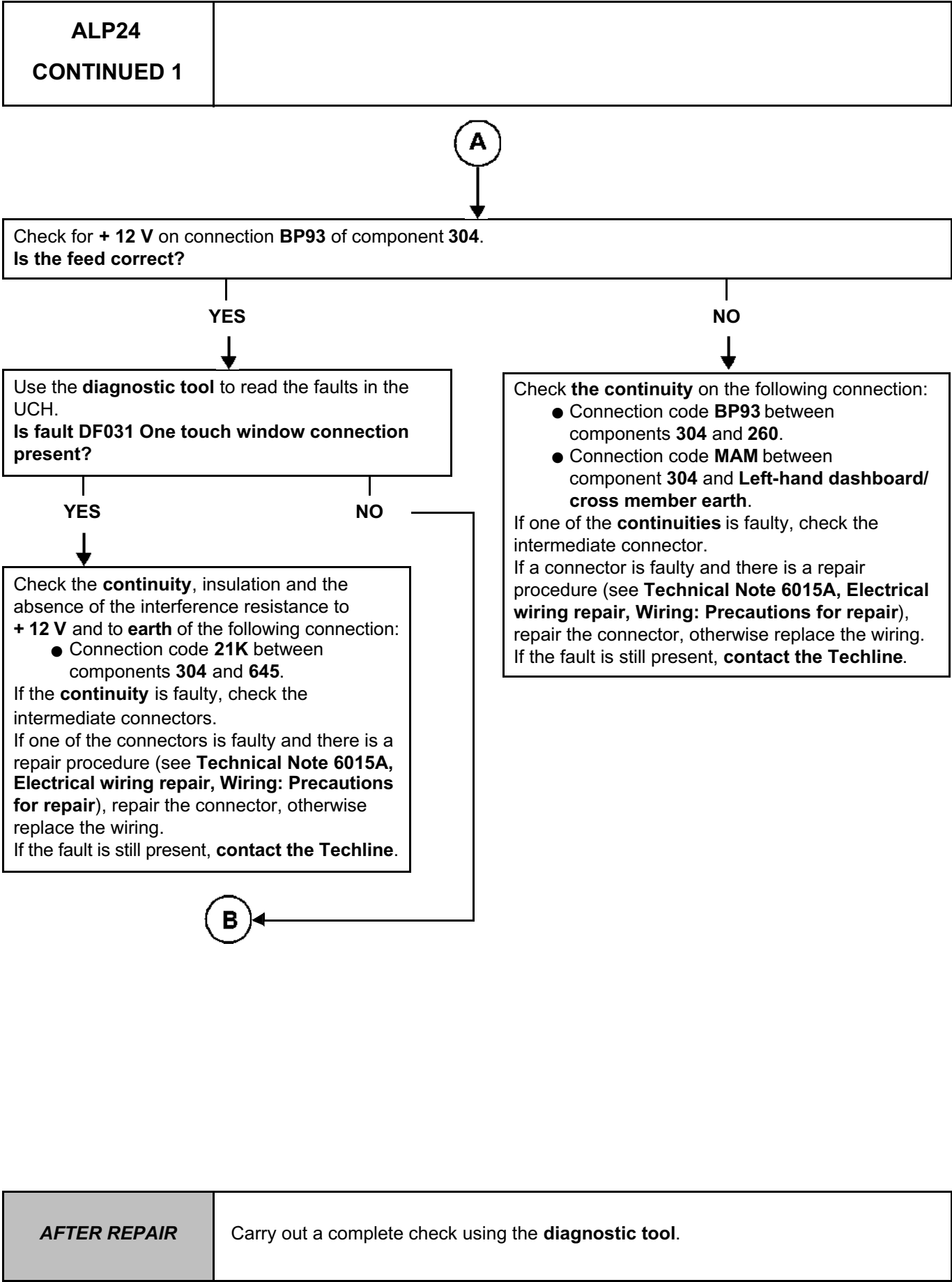
**YES**

See **ALP26**.

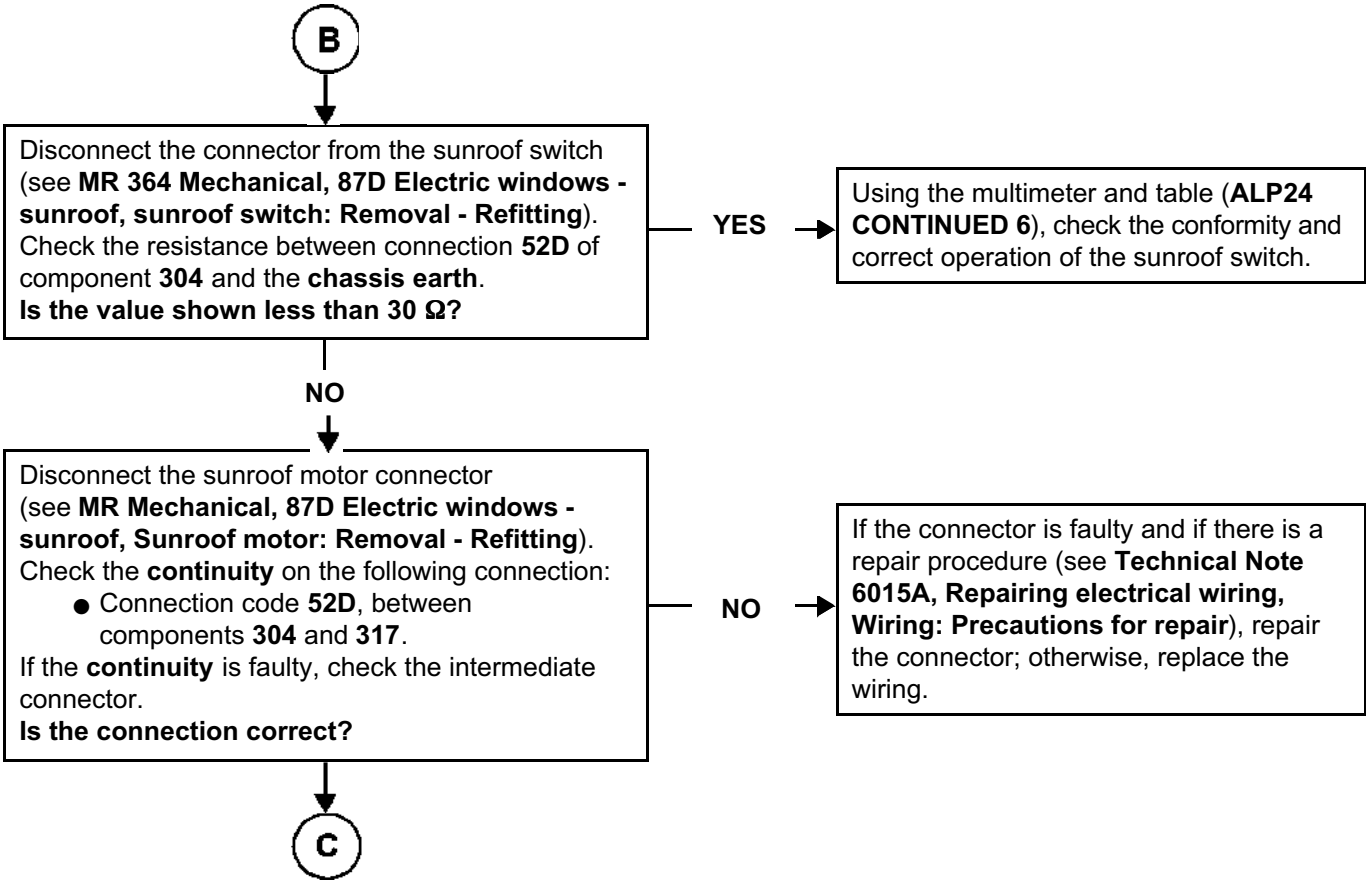
**AFTER REPAIR**

Carry out a complete check using the **diagnostic tool**.





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| ALP24<br>CONTINUED 2 |  |
|----------------------|--|



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| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
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| ALP24<br>CONTINUED 3 |  |
|----------------------|--|



Disconnect the black connector from the sunroof motor.  
Using a multimeter, check for + 12 V between connections **BP93** and **MAM** of component **304**.  
**Is the feed correct?**

YES  
↓

Replace the sunroof motor (see **87D Electric windows - sunroof: Removal - Refitting**).

NO  
↓

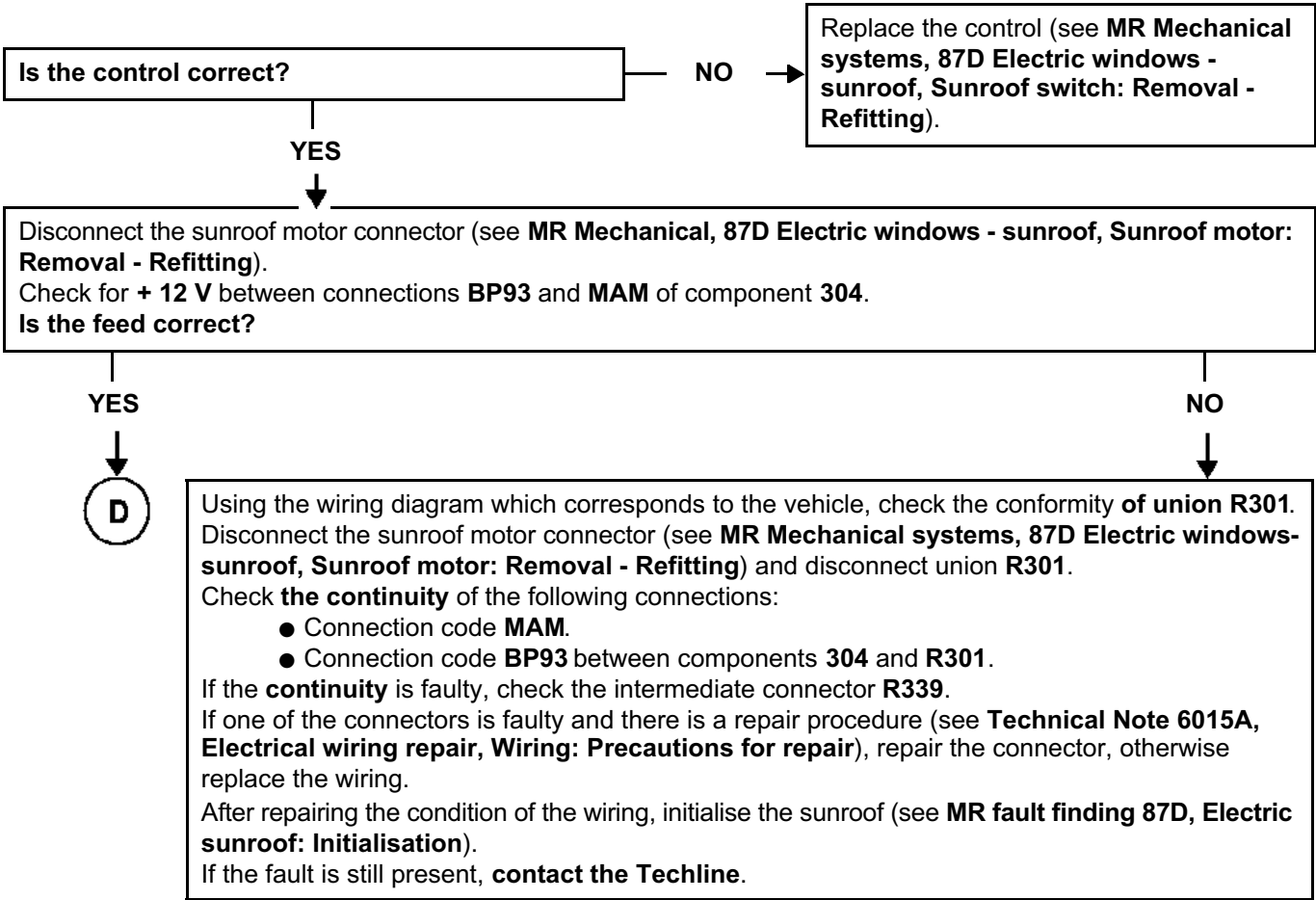
Using the wiring diagram which corresponds to the vehicle, check the conformity of union **R301**.  
Disconnect the sunroof motor connector (see **MR Mechanical systems, 87D Electric windows-sunroof, Sunroof motor: Removal - Refitting**) and disconnect union **R301**.  
Check the **continuity** of the following connections:

- Connection code **MAM**.
- Connection code **BP93** between components **304** and **R301**.

If the **continuity** is faulty, check the intermediate connector **R339**.  
If one of the connectors is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.  
After repairing the condition of the wiring, initialise the sunroof (see **MR fault finding 87D, Electric sunroof: Initialisation**).  
If the fault is still present, **contact the Techline**.

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| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
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| ALP24<br>CONTINUED 4 |  |
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| AFTER REPAIR | Carry out a complete check using the diagnostic tool. |
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| ALP24<br>CONTINUED 5 |  |
|----------------------|--|



Check using **status ET087 Sunroof/one touch window authorisation** that authorisation for the UCH to open the sunroof is **ACTIVE**.  
Disconnect the sunroof motor connector (see **MR Mechanical, 87D Electric windows - sunroof, Sunroof motor: Removal - Refitting**).  
Check for **+ 12 V** between connections **BP93** and **21K** of component **304**.  
**Is the feed correct?**

NO  
↓

Disconnect the sunroof motor connector (see **MR Mechanical systems, 87D Electric windows-sunroof, Sunroof motor: Removal - Refitting**) and disconnect union **R301**.  
Check **the continuity** on the following connection:  
● Connection code **21K** between components **304** and **645**.  
If the **continuity** is faulty, use the wiring diagram corresponding to the vehicle to check intermediate connectors **R339** and **R301**.  
If one of the connectors is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.  
After repairing the condition of the wiring, initialise the sunroof (see **MR fault finding 87D, Electric sunroof: Initialisation**).  
If the fault is still present, **contact the Techline**.

YES  
↓  
E

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|--------------|---|
| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
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|----------------------|--|
| ALP24<br>CONTINUED 6 |  |
|----------------------|--|



Check **the continuity and insulation** of the following connections:

- Connection code **52J**.
- Connection code **52H**.
- Connection code 52G between components **304** and **R301**.

If the **continuity** is faulty, use the wiring diagram corresponding to the vehicle to check the conformity of intermediate connector **R339**.

If one of the connectors is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.

After repairing the condition of the wiring, initialise the sunroof (see **MR fault finding 87D, Electric sunroof: Initialisation**).

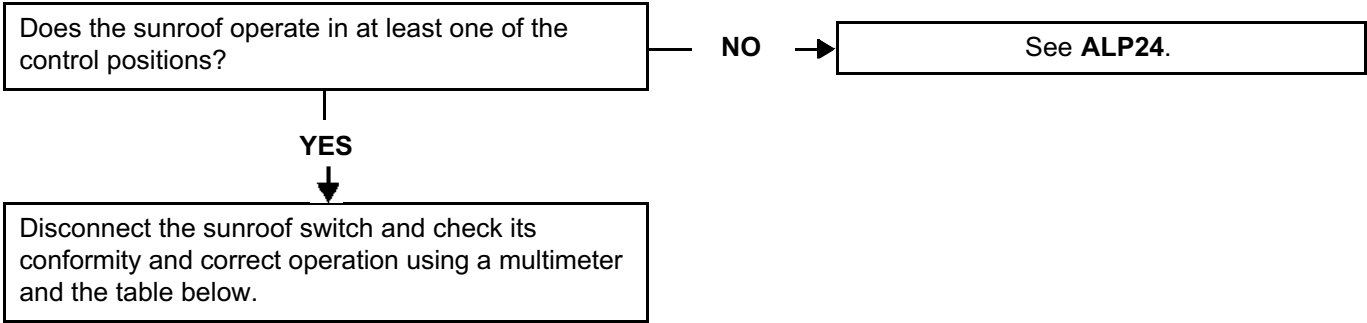
If the **continuity** and insulation of the following connections are correct: Replace the sunroof motor (see **87D Electric windows - sunroof: Removal - Refitting**).

| Control position   | Connections 52D and 52H | Connections 52D and 52J | Connections 52D and 52G |
|--------------------|-------------------------|-------------------------|-------------------------|
| Closed             | 100 Ω Max.              | 100 Ω Max.              | Infinite                |
| Tilt position      | Infinite                | 100 Ω Max.              | Infinite                |
| Sliding position 1 | Infinite                | 100 Ω Max.              | 100 Ω Max.              |
| Sliding position 2 | Infinite                | Infinite                | 100 Ω Max.              |
| Sliding position 3 | 100 Ω Max.              | Infinite                | 100 Ω Max.              |
| Pressed            | 100 Ω Max.              | 100 Ω Max.              | 100 Ω Max.              |

|              |   |
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| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

|       |                                       |
|-------|---------------------------------------|
| ALP25 | No sunroof opening position 1, 2 or 3 |
|-------|---------------------------------------|

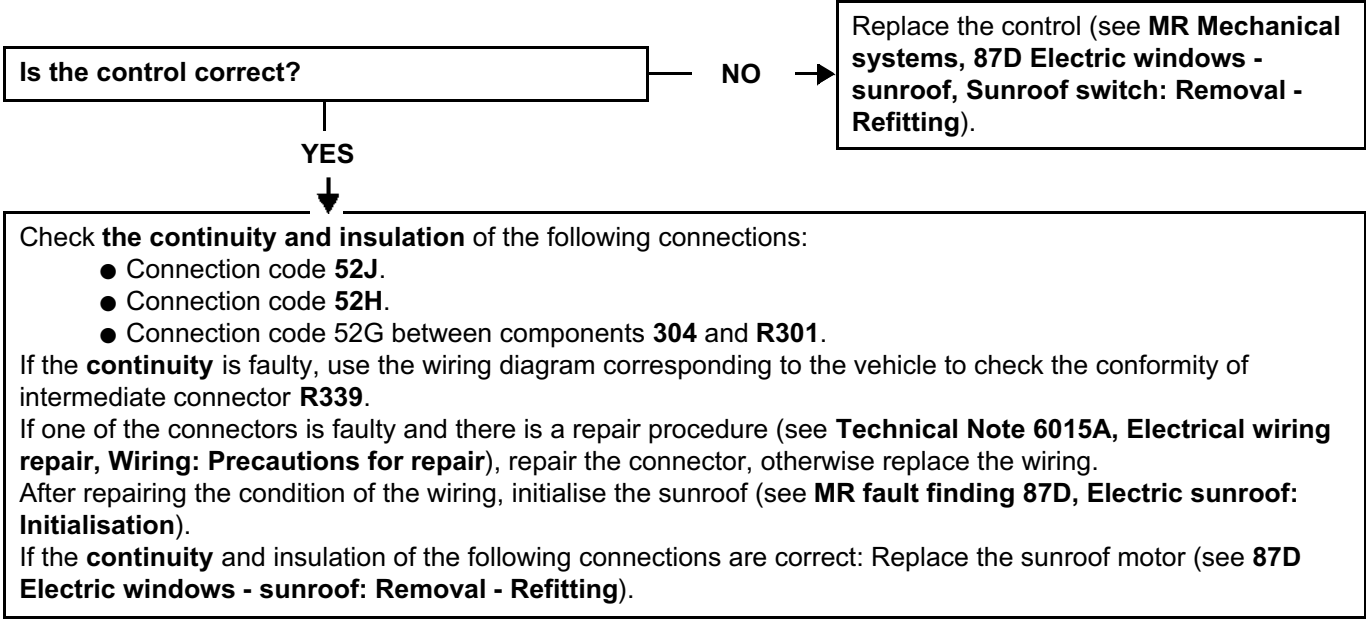
|       |  |
|-------|--|
| NOTES | Only consult this customer complaint after a complete check with the <b>diagnostic tool</b> .<br>For vehicles with <b>Mégane II phase 2 bodywork</b> , (see <b>87D Electric windows - Sunroof, Fault finding chart</b> ).<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |
|-------|--|



| Control position   | Connections 52D and 52H | Connections 52D and 52J | Connections 52D and 52G |
|--------------------|-------------------------|-------------------------|-------------------------|
| Closed             | 100 Ω Max.              | 100 Ω Max.              | Infinite                |
| Tilt position      | Infinite                | 100 Ω Max.              | Infinite                |
| Sliding position 1 | Infinite                | 100 Ω Max.              | 100 Ω Max.              |
| Sliding position 2 | Infinite                | Infinite                | 100 Ω Max.              |
| Sliding position 3 | 100 Ω Max.              | Infinite                | 100 Ω Max.              |
| Pressed            | 100 Ω Max.              | 100 Ω Max.              | 100 Ω Max.              |

|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
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|--------------------|--|
| ALP25<br>CONTINUED |  |
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|              |   |
|--------------|---|
| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
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**ALP26**

**The sunroof is difficult to close or the anti-pinch is triggered without any apparent obstacles**

**NOTES**

Only check this customer complaint after performing a complete check with the **diagnostic tool**.  
For vehicles with **Mégane II phase 2 bodywork**, (see **MR 366, Fault finding, 87D Electric windows - Sunroof, Fault finding chart**).  
Use **Wiring Diagrams Technical Note for MEGANE II or SCENIC II**.

Initialise the sunroof (see **MR fault finding 87D Electric sunroof: Initialisation**).  
**Has the fault been solved?**

**YES**

**End of fault finding.**

**NO**

Open the sunroof fully (if not possible, see **Defect mode and safe mode**).  
Remove the sunroof motor (see **MR 364 Mechanical, 87D Electric windows - Sunroof, Sunroof motor: Removal - Refitting**).  
Slide the moving panel of the sunroof manually.  
**Does the moving panel slide without a point of resistance?**

**NO**

**YES**

Remove the moving sunroof panel (see **MR Bodywork, 52A, Non-side opening element mechanisms, Mobile sunroof panel: Removal - Refitting**).  
Visually check that no foreign bodies (sand, leaves, etc.) are present in the rails.  
**Are there any foreign bodies in the rails?**

**YES**

**NO**

**A**

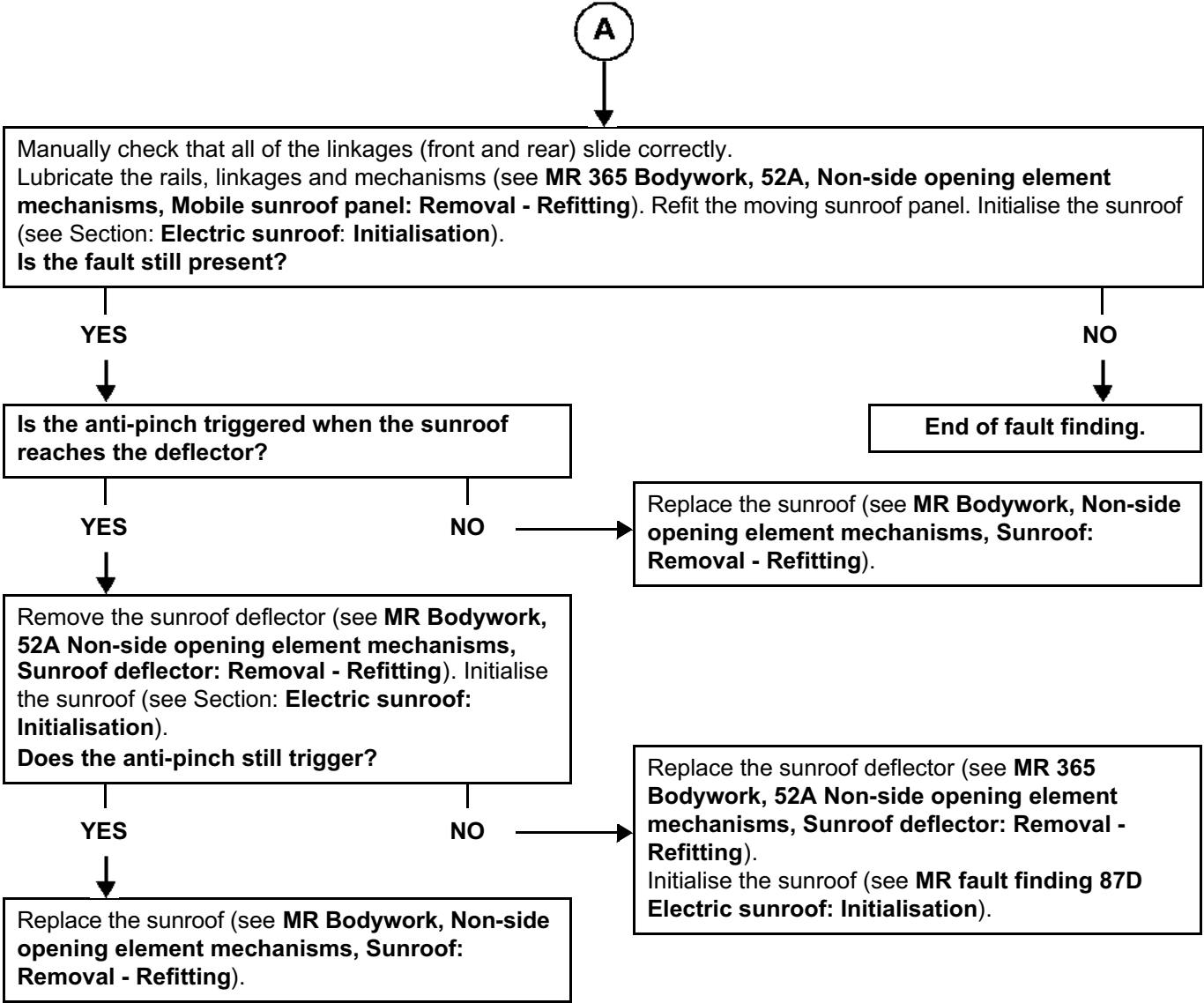
Replace the sunroof motor (see **87D Electric windows - Sunroof: Removal - Refitting**).

Clean the mechanism and the rails with an air gun. Refit the sunroof mobile panel (see **MR 365 Bodywork, 52A, Non-side opening element mechanisms, Moving sunroof panel: Removal - Refitting**).  
Initialise the sunroof (see **MR fault finding 87D Electric sunroof: Initialisation**).

**AFTER REPAIR**

Carry out a complete check using the **diagnostic tool**.

|                    |  |
|--------------------|--|
| ALP26<br>CONTINUED |  |
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| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
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|--------------|---|
| <b>ALP27</b> | <b>Locking/unlocking fault when pressing card button.</b> |
|--------------|---|

|              |   |
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| <b>NOTES</b> | <p>Check that there is no APC or card in the card reader.</p> <p>Check that no opening element is detected as open by the UCH (look at the symbol on the instrument panel).</p> <p>First carry out a function fault finding check.</p> <p>Test with the other card.</p> <p><b>Check the condition of the battery</b> (inserted the wrong way round, flat, incorrect model).</p> |
|--------------|---|

If the fault is still present after having carried out a test with the other card, it could be that:

- There may be radiofrequency interference in the area (**ET066 Card button press received** is **NO** for both cards). Move the vehicle to try again.
- The UCH which has just been replaced does not have the correct part number (external or internal UCH aerial). Use the correct UCH part number.
- If the vehicle is a Scenic II fitted with a tyre pressure monitoring system, check that the external UCH aerial is connected correctly.
- Check that the UCH for the vehicle is not blank. Check that the UCH on the vehicle has not been used on another vehicle.

Check that statuses **ET066 Card button press received** and **ET067 Card button press recognised** are **YES** after pressing the card's lock or unlock button.  
If not, apply the fault finding procedures for those statuses.

Check that statuses **ET066 Card button press received** and **ET067 Card button press recognised** are **YES** after pressing the card's lock or unlock button.  
If not, apply the fault finding procedures for those statuses.

Check that status **ET014 Control power level** is not **APC**.  
If not, apply the fault finding procedures for this status.

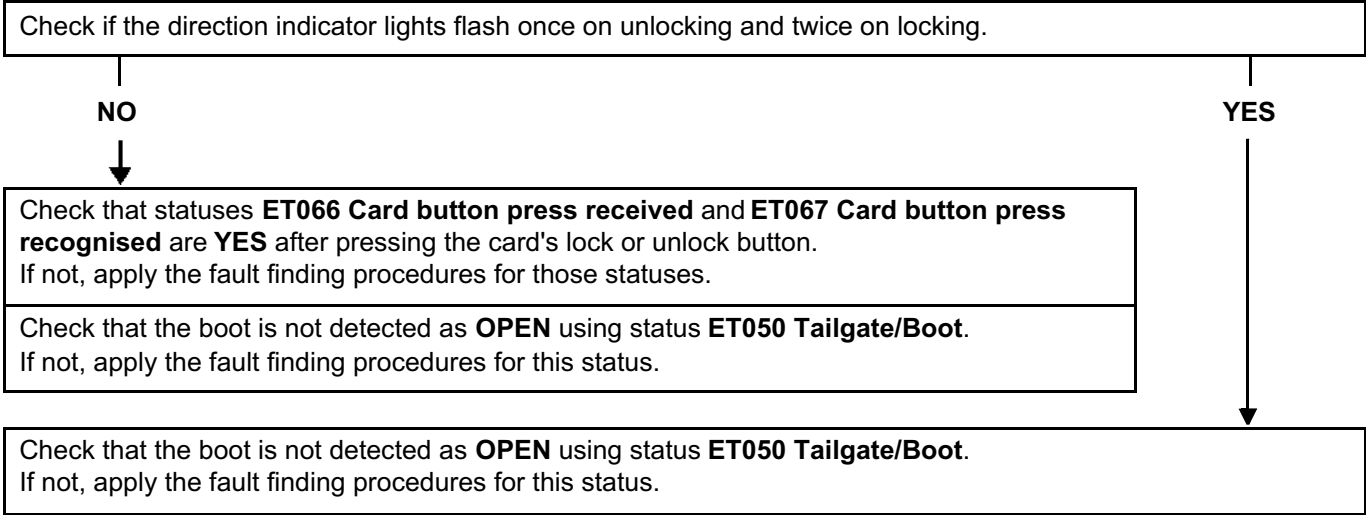
Check that statuses **ET041 Opening rear screen**, **ET042 Passenger's door**, **ET050 Tailgate/Boot**, **ET051 Rear left-hand door**, **ET052 Rear left-hand door** and **ET053 Driver's door** are **CLOSED**.  
If not, apply the fault finding procedures for those statuses.

If the fault is still present, contact Techline.

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|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out a complete check using the <b>diagnostic tool</b> . |
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|-------|--|
| ALP28 | Fault locking/unlocking boot via card button |
|-------|--|

|       |  |
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| NOTES | Check that there is no APC or card in the card reader.<br>First carry out a function fault finding check.<br>Test with the other card.<br><b>Check the condition of the batteries.</b> |
|-------|--|



|              |   |
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| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

|              |  |
|--------------|--|
| <b>ALP29</b> | <b>Boot opening fault (not hands-free)</b> |
|--------------|--|

|              |   |
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| <b>NOTES</b> | First carry out a function fault finding check.<br><b>The vehicle or boot must be unlocked.</b> |
|--------------|---|

Check that status **ET061 Open tailgate request** becomes **PRESENT** after pressing the boot opening button.  
If not, apply the fault finding procedures for this status.

Check that the boot is not detected as **OPEN** using status **ET050 Tailgate/Boot**.  
If not, apply the fault finding procedures for this status.

If the fault is still present, contact Techline.

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| <b>AFTER REPAIR</b> | Carry out a complete check using the <b>diagnostic tool</b> . |
|---------------------|---|

|       |  |
|-------|--|
| ALP30 | Opening rear screen fault (not hands-free) |
|-------|--|

|       |   |
|-------|---|
| NOTES | First carry out a function fault finding check.<br><b>The vehicle or boot must be unlocked.</b> |
|-------|---|

Make sure status **ET062 Open rear screen request** becomes **PRESENT** when the rear screen opening button is pressed.

If not, apply the fault finding procedures for this status.

Check that the tailgate is not detected as **OPEN** using status **ET041 Opening rear screen**.

If not, apply the fault finding procedures for this status.

If the fault is still present, contact Techline.

|              |   |
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| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
|--------------|---|

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|--------------|---|
| <b>ALP31</b> | <b>Fault locking/unlocking the fuel filler flap</b> |
|--------------|---|

|              |  |
|--------------|--|
| <b>NOTES</b> | First carry out a function fault finding check.<br><b>The locking/unlocking should function on the driver's door. Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |
|--------------|--|

With the flap open, try locking and unlocking to make sure the lock bolt slides properly.  
If the locking finger slides correctly, check that the flap is correctly positioned in relation to the movement of the locking finger.

Check the condition and connection of the fuel filler flap lock connector.

Check for the **earth** on both connections of the flap lock connector.

Check while:

Locking, for **earth** on connection **20BH** of component **844** and for **+ 12 V** on connection **20BC** of component **844**.

Unlocking, for **earth** on connection **20BC** of component **844** and for **+ 12 V** on connection **20BH** of component **844**.

If correct, replace the fuel filler flap lock.

Check **the insulation and continuity** of the following connections:

- Connection code **20BH**.

- Connection code **20BC**.

Between components **844** and **645**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact Techline.

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out a complete check using the <b>diagnostic tool</b> . |
|---------------------|---|

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|--------------|---|
| <b>ALP32</b> | <b>Unlocking fault in hands-free mode</b> |
|--------------|---|

|              |   |
|--------------|---|
| <b>NOTES</b> | <p>Check that there is no after ignition feed.<br/>Conduct the tests with the other cards allocated to the vehicle.<br/>First carry out a function fault finding check.<br/>Carry out a conformity check before using this procedure.</p> |
|--------------|---|

|   |
|---|
| <p>The card may be inhibited: unlock the vehicle by pressing the card button and check to see if the hands-free unlocking fault is still present.<br/>If the fault only affects one card, replace the faulty card.</p>  |
| <p>If the unlocking fault in hands-free mode affects all the cards:<br/>Check that the optical sensors are receiving power by checking status <b>ET054 Optical sensors supplied</b>.<br/>Unless the vehicle has not been unlocked for over <b>72 hours</b>, pulling the handle activates it.<br/>If not, apply the fault finding procedures for this status.</p>  |
| <p>Check that statuses <b>ET055</b>, <b>ET056</b> or <b>ET057</b> become active when a hand is passed in front of the corresponding sensor.<br/>Test on all the doors.<br/>If any status fails to change, apply the fault finding procedure associated with that status.<br/>Note:<br/>One of these statuses becomes active if the vehicle has not been unlocked for <b>72 hours</b> and the corresponding door handle is pulled.</p> |
| <p>Make sure that the cards belong to the vehicle and are properly configured by running command <b>SC005 Check card</b>.<br/>If the cards belong to the vehicle but have a faulty configuration, program the cards.</p>  |
| <p>Run command <b>AC037 Transmitter aerial fault finding</b> and see if a fault appears.<br/>In the event of a present or stored fault, refer to the procedure for this fault.</p>  |

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out a complete check using the <b>diagnostic tool</b> . |
|---------------------|---|



|                                  |  |
|----------------------------------|--|
| <b>ALP32</b><br><b>CONTINUED</b> |  |
|----------------------------------|--|

Run the following commands and check the card coverage zone on each side of the vehicle:

**AC032 Driver's side external aerial test**

**AC033 Passenger's side external aerial test**

The card reader starts to flash as soon as a card is detected in the coverage zone.

The maximum distance from the vehicle is **1.5 m**.

If not correct, apply the fault finding procedure associated with each command.

**IMPORTANT**

This mode enables a Mégane hands-free card to be detected in the coverage zone of the vehicle or that of another vehicle.

Check that none of the locking buttons on the door handles are jammed, press and check statuses **ET058 Locking buttons on handles on driver's side** and **ET059 Locking buttons on handles on passenger's side**.

Configure the UCH in **hands-free function** (see **Configurations and programming**).

If the fault is still present, contact Techline.

|                     |   |
|---------------------|---|
| <b>AFTER REPAIR</b> | Carry out a complete check using the <b>diagnostic tool</b> . |
|---------------------|---|

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|--------------|---|
| <b>ALP33</b> | <b>Locking fault in hands-free mode</b> |
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| <b>NOTES</b> | <p>Check that there is no APC or card in the card reader.<br/>Conduct the tests with the other cards allocated to the vehicle.<br/>First carry out a function fault finding check.<br/>Make sure all the doors are fully closed (check that the interior lights are off or switch on the ignition to check that no door is open from the instrument panel symbol).<br/>Visually check that the lock buttons are not stuck in the down position.<br/>Check that one of the cards has not been disabled (locked in the vehicle), activate the <b>+ after ignition feed with this card and attempt to unlock again with it.</b></p> |
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| If the fault only affects one card, replace the faulty card.   |
| <p>Make sure statuses <b>ET058</b>, <b>ET059</b> and <b>ET060</b> indicating a press on the lock button for each door or the boot become active when the button is pressed.<br/>Test all the lock buttons.<br/>See the section for dealing with the status(es) concerned.</p>  |
| <p>Make sure that the cards belong to the vehicle and are properly configured by running command <b>SC005 Check card</b>.<br/>If the cards belong to the vehicle but have a faulty configuration, program the cards.</p>   |
| <p>Run command <b>AC037 Transmitter aerial fault finding</b> and see if a fault appears.<br/>In the event of a present or stored fault, refer to the procedure for it.</p>   |
| <p>Run the following commands and check the card coverage zone on each side of the vehicle:<br/><b>AC032 Driver's side external aerial test</b><br/><b>AC033 Passenger's side external aerial test</b><br/><b>AC034 Boot external aerial test.</b><br/>The card reader starts to flash as soon as a card is detected in the coverage zone.<br/>The maximum distance from the vehicle is <b>1.5 m</b>.<br/>If not correct, apply the fault finding procedure associated with each command.<br/><b>This mode enables a Mégane hands-free card to be detected in the coverage zone of the vehicle or that of another vehicle.</b></p> |
| Configure the UCH in <b>hands-free function</b> (see <b>Configurations and programming</b> ).  |
| If the fault is still present, contact Techline.   |

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| <b>AFTER REPAIR</b> | Carry out a complete check using the <b>diagnostic tool</b> . |
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UCH\_V44\_ALP33/UCH\_V48\_ALP33/UCH\_V4C\_ALP33/  
UCH\_V4D\_ALP33/UCH\_V4F\_ALP33/UCH\_V50\_ALP33

**ALP34**

**Fault opening the boot in hands-free mode**

**NOTES**

First carry out a function fault finding check.  
Vehicle **locked**.  
**Test with the other card.**  
**Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.**

Check that status **ET061 Open tailgate request** becomes PRESENT after pressing the tailgate opening button.  
If not, apply the fault finding procedures for this status.

When the tailgate unlocking button is pressed, if the card is present and recognised, the direction indicator lights should flash to indicate that the tailgate is being unlocked.

**NO**



**YES**

Check the condition and connection of the tailgate lock connector.  
If one of the connectors is faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.

Check for **earth** on connection **MZ** of component **1322**.

Check, when pressing on the opening button, for **+ 12 V** on connection **20S** of component **1322**.  
If correct, replace the tailgate lock.

If the fault is still present, contact Techline.

**AFTER REPAIR**

Carry out a complete check using the **diagnostic tool**.

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| ALP34<br>CONTINUED 1 |  |
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| Make sure that the cards belong to the vehicle and are properly configured by running command <b>SC005 Check card</b> .<br>If the cards belong to the vehicle but have a faulty configuration, program the cards.   |
| Run command <b>AC037 Transmitter aerial fault finding</b> and see if a fault appears.<br>In the event of a present or stored fault, refer to the procedure for this fault.  |
| Run command <b>AC034 Boot external aerial test</b> and check the card coverage zone.<br>The card reader starts to flash as soon as a card is detected in the coverage zone.<br>The maximum distance from the vehicle is <b>1.5 m</b> .<br>If not correct, use the fault finding procedure associated with each command.<br><b>This mode enables a Mégane hands-free card to be detected in the coverage zone of the vehicle or that of another vehicle.</b> |
| If all is correct, reprogram the card(s).<br>If the system does not work, replace the cards.  |
| If the fault is still present, contact Techline.  |

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| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
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| <b>ALP34</b><br><b>CONTINUED 2</b> |  |
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| <b>NOTES</b> | Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b> .<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |
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| Check that status <b>ET061 Open tailgate request</b> becomes PRESENT after pressing the tailgate opening button.<br>If not correct, use the fault finding procedure associated with this status.  |
| Check, using status <b>ET050 Opening rear screen</b> that the tailgate is not considered OPEN.<br>If not, apply the fault finding procedures for this status.   |
| Check the condition and connection of the boot lock connector.<br>If one of the connectors is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the connector, otherwise replace the wiring.            |
| Check for <b>earth</b> on connection <b>MZ</b> of component <b>1322</b> .<br>If one of the connectors is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the connector, otherwise replace the wiring. |
| Check, when pressing on the opening button, for <b>+ 12 V</b> on connection <b>20S</b> of component <b>1322</b> .<br>If correct, replace the tailgate lock.   |
| If the fault is still present, contact Techline.  |

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| <b>AFTER REPAIR</b> | Carry out a complete check using the <b>diagnostic tool</b> . |
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| ALP35 | Fault opening the rear screen in hands-free mode |
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| NOTES | First carry out a function fault finding check.<br>Vehicle <b>locked</b> .<br><b>Test with the other card.</b><br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |
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| Make sure status <b>ET062 Open rear screen request</b> becomes PRESENT when the tailgate opening button is pressed.<br>If not, apply the fault finding procedures for this status. |
| When the rear screen opening button is pressed, if the card is present and recognised, the direction indicator lights should flash to indicate that the boot is being unlocked.    |

NO



YES



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| Check the connection and condition of the rear screen lock connector.<br>Repair if necessary.  |
| Check for <b>earth</b> on connection <b>MZ</b> of component <b>1322</b> .<br>Repair if necessary.  |
| Check, when pressing on the opening button, for <b>+ 12 V</b> on connection <b>20S</b> of component <b>1322</b> .<br>If correct, replace the rear screen lock. |
| If the fault is still present, contact Techline.   |

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| AFTER REPAIR | Carry out a complete check using the <b>diagnostic tool</b> . |
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ALP35  
CONTINUED 1

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Make sure that the cards belong to the vehicle and are properly configured by running command **SC005 Check card**.

If the cards belong to the vehicle but have a faulty configuration, program the cards.

Run command **AC037 Transmitter aerial fault finding** and see if a fault appears.

In the event of a present or stored fault, refer to the procedure for this fault.

Run command **AC034 Boot external aerial test** and check the card coverage zone.

The card reader starts to flash as soon as a card is detected in the coverage zone.

The maximum distance from the vehicle is **1.5 m**.

If not, apply the fault finding procedure for this command.

**This mode enables a Mégane hands-free card to be detected in the coverage zone of the vehicle or that of another vehicle.**

If all is correct, reprogram the card(s).

If the system still does not work, replace the cards.

If the fault is still present, contact Techline.

**AFTER REPAIR**

Carry out a complete check using the **diagnostic tool**.

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| <b>ALP35</b><br><b>CONTINUED 2</b> |  |
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| <b>NOTES</b> | Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b> .<br><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b> |
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| Make sure status <b>ET061 Open rear screen request</b> becomes PRESENT when the tailgate opening button is pressed.<br>If not correct, use the fault finding procedure associated with this status.   |
| Check, using status <b>ET050 Opening rear screen</b> that the tailgate is not considered OPEN.<br>If not, apply the fault finding procedures for this status.   |
| Check the connection and condition of the rear screen lock connector.<br>If one of the connectors is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the connector, otherwise replace the wiring.     |
| Check for <b>earth</b> on connection <b>MZ</b> of component <b>1322</b> .<br>If one of the connectors is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b> ), repair the connector, otherwise replace the wiring. |
| Check, when pressing on the opening button, for <b>+ 12 V</b> on connection <b>20S</b> of component <b>1322</b> .<br>If correct, replace the boot lock.   |
| If the fault is still present, contact Techline.  |

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| <b>AFTER REPAIR</b> | Carry out a complete check using the <b>diagnostic tool</b> . |
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| <b>ALP36</b> | <b>Door(s) locking/unlocking fault</b> |
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| <b>NOTES</b> | First carry out a function fault finding check.<br>Check whether configuration <b>LC029 Selective unlocking of opening elements</b> is WITH.<br>Reconfigure using command <b>CF036 Selective opening of opening elements</b> , if <b>necessary</b> . |
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| To confirm the fault, use commands and <b>AC004 Central door locking</b> , <b>AC005 Central door unlocking</b> and <b>AC006 Unlocking by driver</b> .<br>Apply the fault finding procedure associated with these commands. |
| If the fault is still present, contact the Techline.   |

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| <b>AFTER REPAIR</b> | Carry out a complete check with the <b>diagnostic tool</b> . |
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| <b>ALP37</b> | <b>Renault Anti-Intruder Device operation fault (RAID*)</b> |
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| <b>NOTES</b> | <p>First carry out a function fault finding check.</p> <p>Check that the Automatic locking when driving function is active using status <b>ET043 RAID* function authorised by CPE*</b>.</p> <p>Make sure no door is detected open by the UCH.</p> <p>Check the consistency of the vehicle speed signal.</p> <p>Check for faults in the ABS system.</p> <p><b>Check for faults in the airbag system.</b></p> |
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If the fault is still present, contact the Techline.

\*RAID: Renault Anti-Intruder Device.

\*CPE: Electric central door locking.

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| <b>AFTER REPAIR</b> | Carry out a complete check with the <b>diagnostic tool</b> . |
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UCH\_V44\_ALP37/UCH\_V48\_ALP37/UCH\_V4C\_ALP37/  
UCH\_V4D\_ALP37/UCH\_V4F\_ALP37/UCH\_V50\_ALP37

**ALP38**

**Windows fail to close after two locking requests**

**NOTES**

Make sure the vehicle is indeed equipped with a sequential-control window lift.  
Make sure status **ET087 One-touch electric window authorisation** is ACTIVE.  
**See the treatment for this status if necessary.**

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out a complete check with the **diagnostic tool**.

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| <b>ALP39</b> | <b>Accessories feed not activated</b> |
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| <b>NOTES</b> | <p>Check the voltage of the battery.<br/>Start the fault finding procedure with the ignition off and the vehicle locked.<br/>When the vehicle is unlocked, the instrument panel should light up for a moment.<br/>If not, carry out fault finding on the multiplex network and instrument panel.<br/><b>Use Wiring Diagrams Technical Note for MEGANE II or SCENIC II.</b></p> |
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| <p>The vehicle should switch to timed power (approximately <b>20 minutes</b>) after the driver's door is opened (<b>ET053 Driver's door</b>).</p> <p>If the timed supply is not triggered, try by:</p> <ul style="list-style-type: none"><li>– pressing the Start button (<b>ET070 Start button</b>), or</li><li>– turning on the hazard warning lights (<b>ET085 "Hazard warning lights button"</b>), or</li><li>– switching on the side lights (<b>ET081 Lighting switch position</b>).</li></ul> <p>If correct, run status fault finding for the faulty component.<br/>If not correct, apply <b>ALP No dialogue with the UCH</b>.</p> |
| <p>The vehicle goes into accessories feed mode when the Start button is pressed (timed power active).<br/>If it does not conform, check the operation of the Start button using status <b>ET070 Start button</b> and apply the fault finding procedure associated with this status if necessary.<br/>If the Start button operates correctly, use the fault finding procedure for status <b>ET075 + accessories feed present</b>.</p>   |
| <p>Run fault finding and check the condition of the connectors of the <b>+ battery housing</b> (Power fuses), of the <b>power board</b> (maxi fuses), of the <b>Protection and Switching Unit (UPC)</b>, of the <b>Passenger Compartment Fuse and Relay Box</b>, of the <b>Passenger Compartment Fuse and Relay Box option</b>, and of the <b>relay boards</b>.</p>  |
| <p>Check the condition and connection of the <b>connectors</b> on the <b>UCH</b> and the <b>connectors on the UPC</b>.<br/>Check for <b>+ 12 V</b> on connections <b>BTP</b> and <b>13AC</b> of component <b>645</b>.<br/>Check for <b>earth</b> on connections <b>13E</b> and <b>NAM</b> of component <b>645</b>.<br/>If one of the connectors is faulty and there is a repair procedure (see <b>Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair</b>), repair the connector, otherwise replace the wiring.</p>   |
| <p>If the fault is still present, contact the Techline.</p>  |

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| <b>AFTER REPAIR</b> | Carry out a complete check with the <b>diagnostic tool</b> . |
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| <b>ALP40</b> | <b>Forced after-ignition feed fails</b> |
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| <b>NOTES</b> | <p>Check the voltage of the battery.<br/>Carry out a fault finding procedure on the function.<br/>Test with the other card.<br/>Switching to + accessories feed should work.<br/>If not deal with <b>ALP39 Accessories feed not activated</b> first.<br/>It can be checked while trying to activate after ignition feed if the verlog indicator light:</p> <ul style="list-style-type: none"><li>– Remains on, meaning that the steering lock is not recognised.</li><li>– Remains on for <b>3 seconds</b> and flashes at <b>4 Hz</b>, meaning the card is not recognised.</li></ul> <p><b>Review of the procedure for forcing after ignition feed:</b><br/>+ accessories supply off, card in the card reader, starting conditions not met and <b>after pressing and holding the Start button (approximately 5 seconds)</b>.</p> |
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Make sure that there is no Insert card message on the instrument panel.  
Check that status **ET008 Blank UCH** is NO.  
Refer to the procedure for this status if necessary (**Blank UCH**).

Check that status **ET110 UCH request to UPC or injection** becomes **+ after ignition feed** after a request for forced after ignition.  
If everything is correct, run fault finding on the UPC.

Make sure the steering column lock functions properly by checking in particular that:

- statuses:
- **ET071 Steering column lock blank** is NO.
- **ET072 Steering column lock** is UNLOCKED.
- **ET073 Steering column lock sensor signal** is UNLOCKED.

See the procedure for these statuses if necessary.

If the fault is still present, contact the Techline.

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| <b>AFTER REPAIR</b> | Carry out a complete check with the <b>diagnostic tool</b> . |
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| <b>ALP41</b> | <b>The vehicle does not start and the after ignition feed fails with the card in the card reader</b> |
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| <b>NOTES</b> | <p>Check the voltage of the battery.<br/>First carry out a function fault finding check.<br/>Switching to + accessories feed should work.<br/>If not deal with <b>ALP39 Accessories feed not activated</b> first.<br/>Check that the start-up conditions are met:<br/>It can be checked while attempting to start if the immobiliser warning light:<br/>– Remains on, meaning that the steering lock is not recognised.<br/>– Remains on for <b>3 seconds</b> and flashes at <b>4 Hz</b>, meaning the card is not recognised.<br/><b>It can also be checked while trying to start; if the Start button flashes, the card has not been detected or recognised.</b></p> |
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| <p>If the message "Insert card" is displayed on the instrument panel.<br/>Insert the card in the card reader and run the special command <b>SC005 Check card</b>:</p> <p>If the message "The inserted card cannot be detected or is not fully inserted into the card reader.<br/>Check the card and the condition of the card reader. If the fault is still present, consult the fault finding for the customer complaint in the fault finding manual (ALP41 for MEGANE II and ALP21 for CLIO III)" appears, try one of the other vehicle's cards or a card from another MEGANE II vehicle.<br/>– If the message appears again, apply the fault finding procedure for <b>DEF014 Card reader circuit CC.0</b>.<br/>– If the message has disappeared and the result of the test is accessible, replace the defective card.</p> <p>Check that status <b>ET120 Card recognised by vehicle</b> is definitely YES:</p> <p>If <b>ET120 Card recognised by vehicle</b> is NO, the card does not belong to the vehicle or is damaged.<br/>Check that status <b>ET012 Card allocated to vehicle</b> is definitely YES:</p> <p>If <b>ET012 Card allocated to vehicle</b> is NO, the card is no longer allocated to the vehicle: re-allocate the vehicle's cards using the special command <b>SC006 Card allocation</b>.<br/>If the fault is still present, contact the Techline.</p> |
| <p>If the message "Insert card" is not displayed on the instrument panel.<br/>Make sure statuses:<br/>– <b>ET008 Blank central unit</b> is NO.<br/>– <b>ET071 Steering column lock blank</b> is NO<br/>See the procedure for these statuses if necessary.</p> <p>Check that status <b>ET110 UCH request to injection or UPC</b> becomes START after a starting request is made when the start conditions are met.<br/>If everything is correct, run fault finding on the UPC.</p>   |
| <p>If the fault is still present, contact the Techline.</p>   |

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| <b>AFTER REPAIR</b> | Carry out a complete check with the <b>diagnostic tool</b> . |
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| <b>ALP42</b> | <b>The vehicle does not start, the after ignition feed fails in hands-free mode but works with the card in the card reader</b> |
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| <b>NOTES</b> | <p>First carry out a function fault finding check.<br/>Test with the other card.<br/>Switching to + accessories feed should work.<br/>If not deal with <b>ALP39 Accessories feed not activated</b> first.<br/>Check that the start-up conditions are met:<br/>Check that the tailgate is detected as closed by the UCH using status <b>ET050 Tailgate/Boot</b>.<br/><b>Carry out the tests with the other cards allocated to the vehicle.</b></p> |
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| The card may be inhibited or the vehicle was not unlocked electrically: unlock by pressing the card button and check if the hands-free starting fault is still present.   |
| <p>If the hands-free starting fault affects only one card:<br/>Check that the card battery has been inserted the right way round. If the battery is flat or an incorrect model is being used, replace the battery. If not, replace the faulty card.</p>   |
| <p>If the hands-free starting fault affects every card:<br/>Make sure the UCH is properly configured for hands-free operation. Reconfigure if necessary.</p>  |
| <p>Make sure that the cards belong to the vehicle and are properly configured by running command <b>SC005 Check card</b>.<br/>If the cards belong to the vehicle but are incorrectly configured, program the cards.</p>   |
| <p>Run command <b>AC037 Transmitter aerial fault finding</b> and see if a fault appears.<br/>In the event of a present or stored fault, refer to the procedure for it.</p>  |
| <p>If the vehicle is fitted with a tyre pressure monitor (Scénic II only), check that the external UCH aerial is correctly connected.</p>   |
| <p>Run command <b>AC036 Interior aerial test</b> and check the card coverage zone.<br/>The card reader starts to flash as soon as a card is detected in the coverage zone.<br/>The card should not be detected by the internal aerials when it is outside the vehicle.<br/>If not correct, apply the relevant fault finding procedure for each command.<br/><b>This mode allows of a Mégane hands-free type card to be detected as present, but not recognised.</b></p> |
| <p>Check the part number of the UCH and that it is hands-free.<br/>If the fault is still present, contact the Techline.</p>   |

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| <b>AFTER REPAIR</b> | Carry out a complete check with the <b>diagnostic tool</b> . |
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**ALP43**

**The vehicle fails to start and goes into after ignition feed**

**NOTES**

Check the voltage of the battery.  
Carry out a fault finding procedure on the function.  
Make sure the start-up conditions are met (no gear engaged).  
The engine immobiliser warning light can be used to check if the injection is still protected (lit continuously).  
**Check the conformity of the antitheft and starting components.**

Check that status **ET110 UCH request to injection or UPC** is **START** if the start-up conditions are met when the start button is pressed.  
If there is a fault, see the procedure for this status.



If everything is ok, run fault finding on the ignition circuit in the Protection and Switching Unit.



If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out a complete check with the **diagnostic tool**.



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| <b>ALP44</b> | <b>The starter briefly runs but the vehicle fails to start and goes into<br/>after ignition feed</b> |
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| <b>NOTES</b> | Carry out a fault finding procedure on the function.<br>Check the conformity of the antitheft and starting components.<br>The engine immobiliser warning light can be used to see if the injection is still protected<br>(if it remains on). |
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If the fault is still present, contact the Techline.

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| <b>AFTER REPAIR</b> | Carry out a complete check with the <b>diagnostic tool</b> . |
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**ALP45**

**Impossible to stop engine**

**NOTES**

Only check this customer complaint after performing a complete check with the **diagnostic tool**.

Check whether the engine switches off if the Start button is pressed twice.  
If it does, make sure the card is not considered absent by the UCH, particularly by checking for messages on the instrument panel.



Check that the button presses are detected correctly by the UCH using status **ET070 Start button**.  
If not, see the procedure for dealing with this status.



Check that status **ET110 UCH request to injection or UPC** is STOP when the button is pressed.  
If there is a fault, see the procedure for this status.



Check the consistency of parameter **PR008 Vehicle speed** with the vehicle stationary.  
If not, run fault finding on the ABS.  
If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out a complete check with the **diagnostic tool**.

**ALP46**

**Steering lock fails**

**NOTES**

Check for any faults on the steering lock.  
Check the battery voltage. It should be between **9 V and 16 V**.  
Check the validity of parameter **PR008 "Vehicle speed"**.  
Check for any faults in the **Airbag** computer (impact detected) and ABS/ESP computers.  
**Reminder:** In hands-free mode, the steering column lock is locked as soon as the ignition is switched off.  
With the card in the reader, the steering column lock is locked after the ignition is switched off as soon as the **card is removed from the reader**.

The conditions for a drop in **+ after ignition feed** without the steering column locking are:

- the card is present in the card reader,
- over **20 minutes** passing with the card in the card reader after the engine has stopped,
- the vehicle speed is not zero,
- power being requested by the steering column lock too frequently.

With regard to vehicles fitted with UCH computer Vdiag 4F or above:

- the Renault card is removed from the card reader when the vehicle is in forced **+ after ignition feed**,
  - 3 mins have elapsed following a starting failure due to an engaged gear,
  - the Renault card is removed from the card reader following a starting failure due to an engaged gear,
  - a front door is open following a starting failure due to an engaged gear and the card is not in the reader.
- Check that these conditions are not present.



Check the consistency of statuses **ET072 Steering column lock** and **ET073 Steering column lock signal**.

In the event of a fault, see the procedure for these statuses in the UCH section.

Check that the steering column lock belongs to the vehicle using status **ET248 Steering column lock immobiliser code**.

If the fault is still present, contact the Techline.

**AFTER REPAIR**

Carry out a complete check with the **diagnostic tool**.

**ALP47**

**Steering column lock does not unlock**

**NOTES**

- The immobiliser warning light flashes normally,
- the card reader does not flash,
- there is a message on the instrument panel Column not unlocked or Turn steering wheel + Start.

Check that the steering column is not under any mechanical stress (e.g.: wheel(s) jammed against pavement). If the steering column is under stress, try to start the vehicle again by lifting the steering column (and pulling the card out of the reader if a message requests this).



Check the consistency of statuses **ET072 Steering column lock** and **ET073 Steering column lock signal**. In the event of a fault, see the procedure for these statuses in the UCH section. Check that the steering column lock belongs to the vehicle using status **ET248 Steering column lock immobiliser code**.



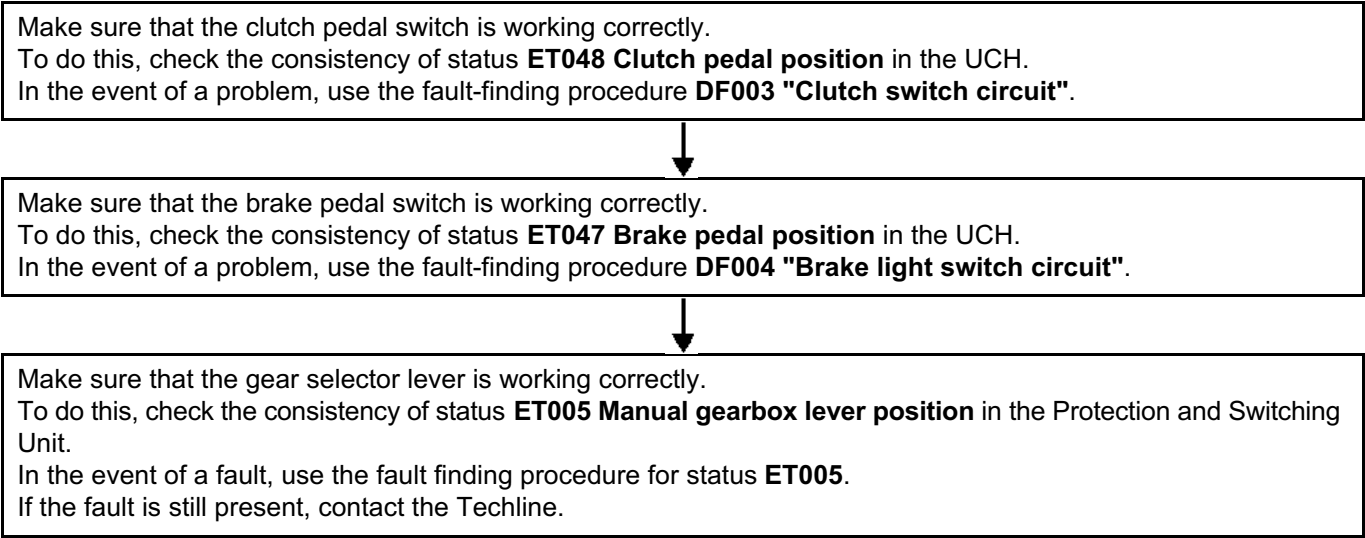
If the fault is still present, contact the Techline.

**AFTER REPAIR**

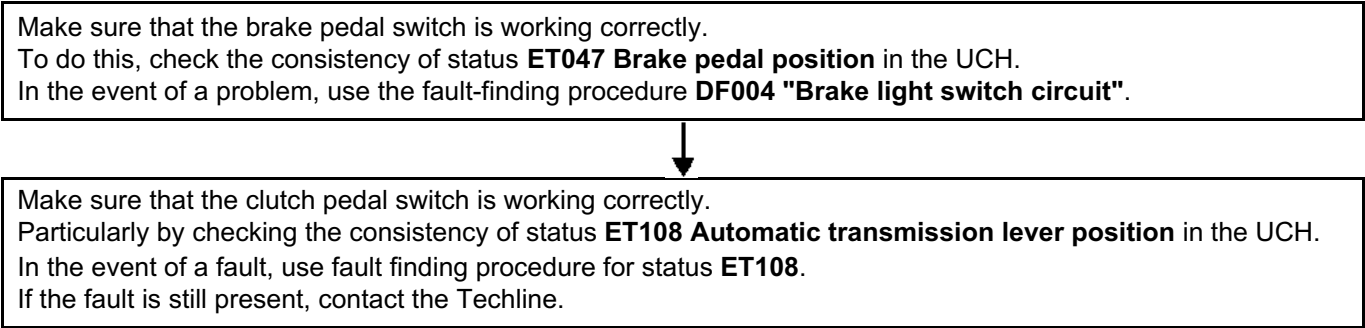
Carry out a complete check with the **diagnostic tool**.

|       |   |
|-------|---|
| ALP48 | Erratic starting  |
| NOTES | Only consult this customer complaint after a complete check with the diagnostic tool. |

Manual gearbox



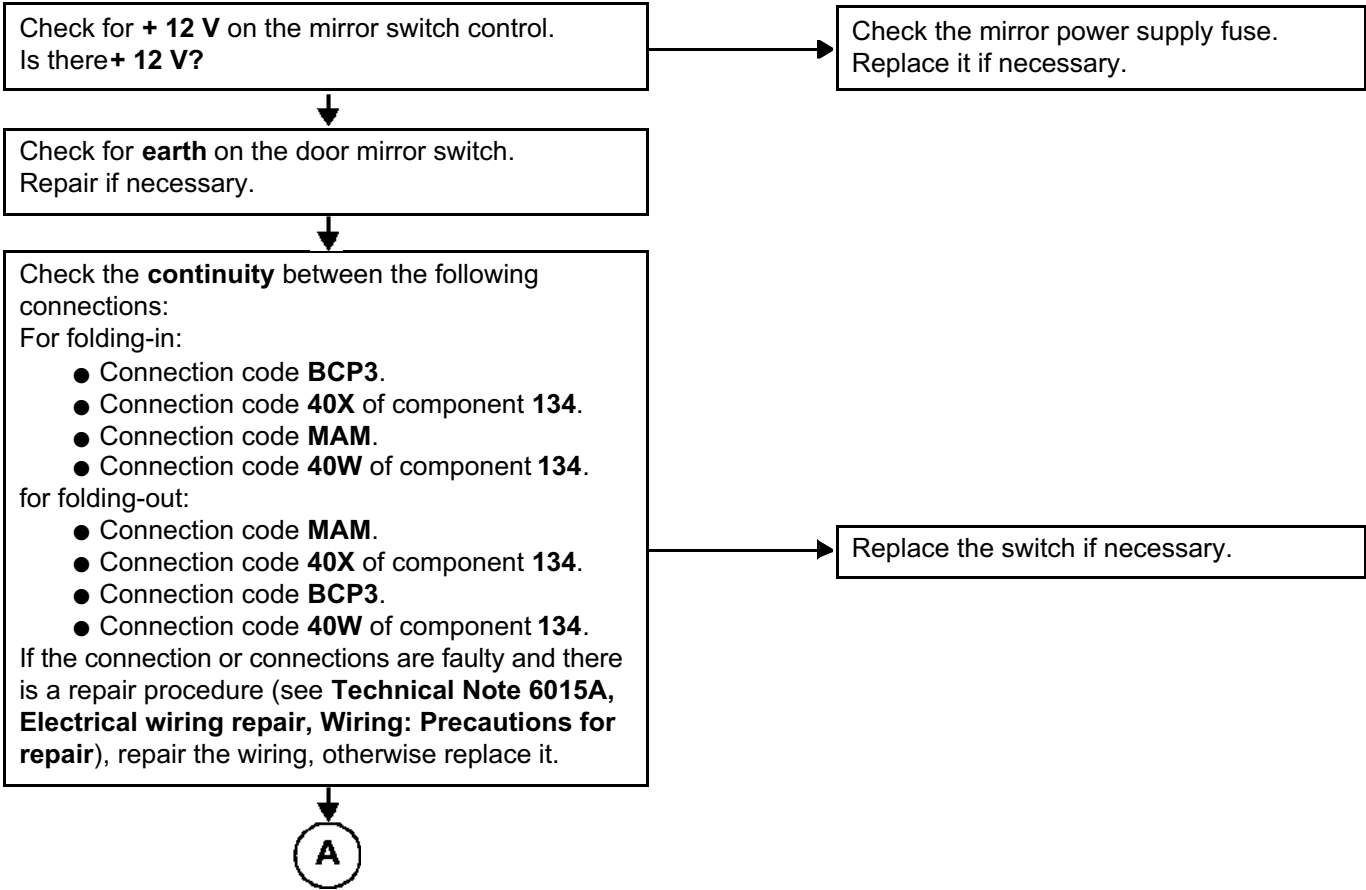
Automatic gearbox



|              |  |
|--------------|--|
| AFTER REPAIR | Carry out a complete check with the diagnostic tool. |
|--------------|--|

|       |  |
|-------|--|
| ALP49 | No folding-in or folding-out of one or more door mirrors |
|-------|--|

|       |  |
|-------|--|
| NOTES | Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b> .<br>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b> . |
|-------|--|



|              |  |
|--------------|--|
| AFTER REPAIR | Carry out a complete check with the <b>diagnostic tool</b> . |
|--------------|--|

|                    |  |
|--------------------|--|
| ALP49<br>CONTINUED |  |
|--------------------|--|



Check **the continuity and insulation** of the following connections:

- Connection code **40W**.
- Connection code **40X** between components **134** and **239**.
- Connection code **40W**.
- Connection code **40X** of component **134** and **240**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.



If the fault is still present, replace the door mirror(s).

|              |  |
|--------------|--|
| AFTER REPAIR | Carry out a complete check with the <b>diagnostic tool</b> . |
|--------------|--|

|       |   |
|-------|---|
| ALP50 | Cannot adjust one of the two door mirrors |
|-------|---|

|       |  |
|-------|--|
| NOTES | Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b> .<br>Use <b>Wiring Diagrams Technical Note for MEGANE II or SCENIC II</b> . |
|-------|--|

Non-retractable door mirror.  
Left-hand door mirror.



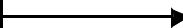
Check the **continuity** between the following connections:

Tilt up:

- Connection code **40C**.
- Connection code **BCP3** of component **134**.
- Connection code **MAM**.
- Connection code **40E** of component **134**.

Tilt down:

- Connection code **40C**.
- Connection code **MAM** of component **134**.
- Connection code **BCP3**.
- Connection code **40E** of component **134**.



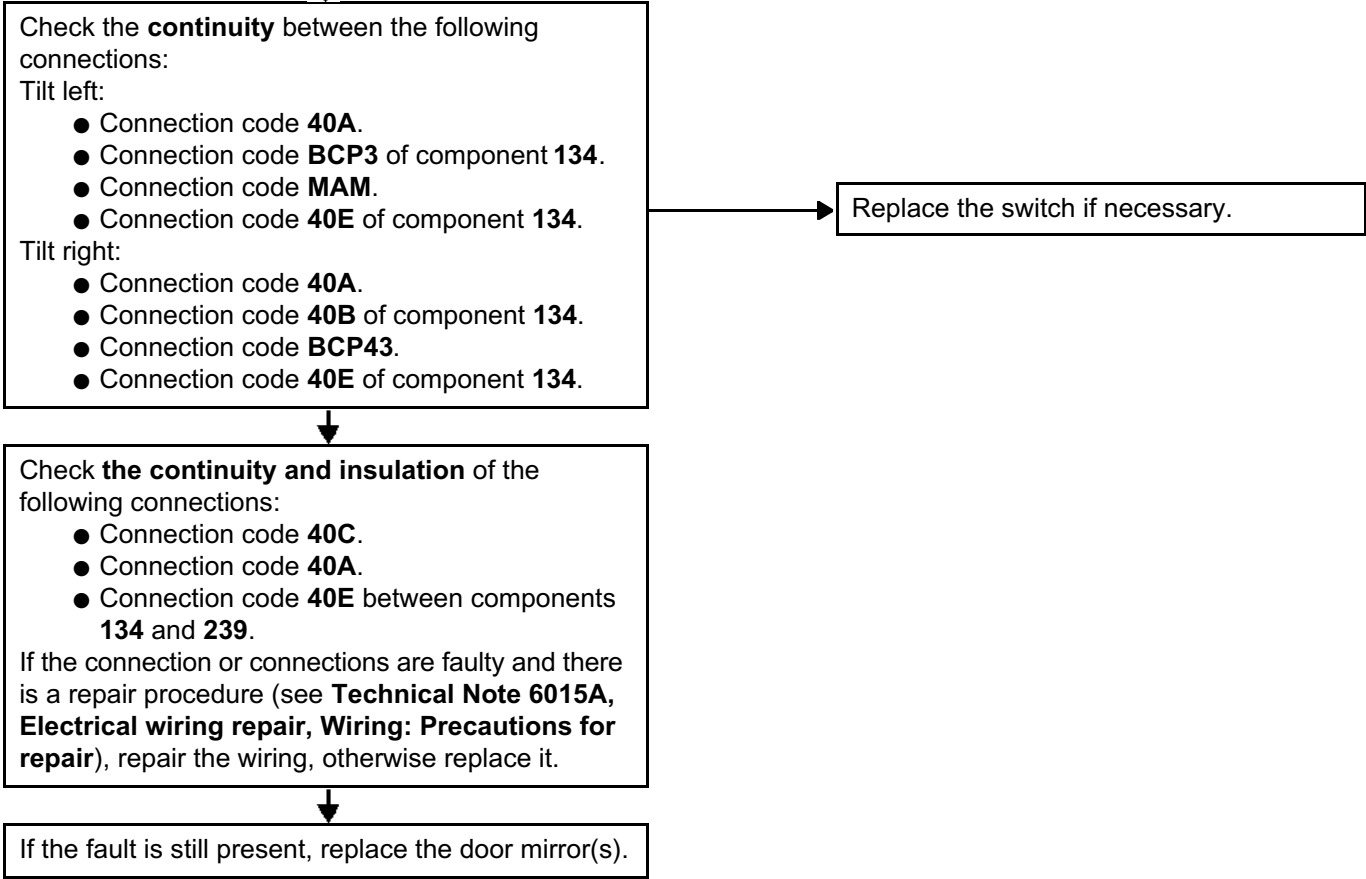
Replace the switch if necessary.



|              |  |
|--------------|--|
| AFTER REPAIR | Carry out a complete check with the <b>diagnostic tool</b> . |
|--------------|--|



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|----------------------|--|
| ALP50<br>CONTINUED 1 |  |
|----------------------|--|



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| AFTER REPAIR | Carry out a complete check with the <b>diagnostic tool</b> . |
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| ALP50<br>CONTINUED 2 |  |
|----------------------|--|

Non-retractable door mirror. Right-hand door mirror.

Check the **continuity** between the following connections:

Tilt up:

- Connection code **40B**.
- Connection code **BCP3** of component **134**.
- Connection code **MAM**.
- Connection code **40E** of component **134**.

Tilt down:

- Connection code **40B**.
- Connection code **MAM** of component **134**.
- Connection code **BCP3**.
- Connection code **40E** of component **134**.

Tilt left:

- Connection code **40D**.
- Connection code **BCP3** of component **134**.
- Connection code **MAM**.
- Connection code **40E** of component **134**.

Tilt right:

- Connection code **40D**.
- Connection code **MAM** of component **134**.
- Connection code **BCP43**.
- Connection code **40E** of component **134**.

Replace the switch if necessary.

B

|              |  |
|--------------|--|
| AFTER REPAIR | Carry out a complete check with the <b>diagnostic tool</b> . |
|--------------|--|

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|----------------------|--|
| ALP50<br>CONTINUED 3 |  |
|----------------------|--|



Check **the continuity and insulation** of the following connections:

- Connection code **40B**.
- Connection code **40D**.
- Connection code **40E** between components **134** and **240**.

If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

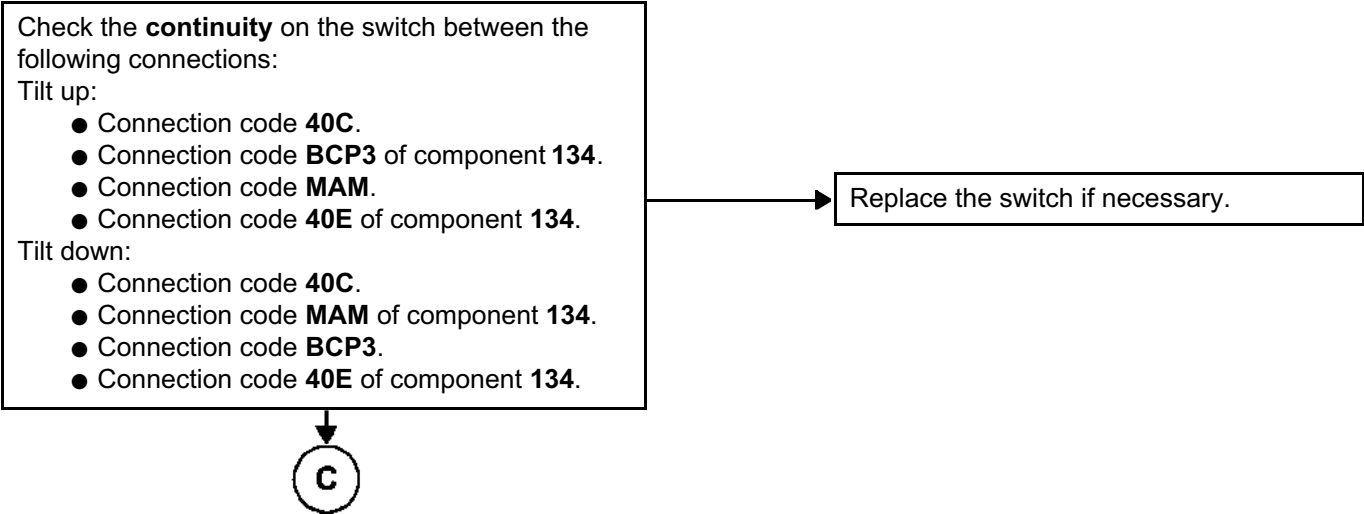


If the fault is still present, replace the door mirror(s).

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|---------------------|--|
| <b>AFTER REPAIR</b> | Carry out a complete check with the <b>diagnostic tool</b> . |
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| ALP50<br>CONTINUED 4 |  |
|----------------------|--|

Retractable door mirror. Left-hand door mirror.



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| AFTER REPAIR | Carry out a complete check with the <b>diagnostic tool</b> . |
|--------------|--|

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|----------------------|--|
| ALP50<br>CONTINUED 5 |  |
|----------------------|--|



Check the **continuity** on the switch between the following connections:  
Tilt left:

- Connection code **40A**.
- Connection code **BCP3** of component **134**.
- Connection code **MAM**.
- Connection code **40E** of component **134**.

Tilt right:

- Connection code **40A**.
- Connection code **MAM** of component **134**.
- Connection code **BCP43**.
- Connection code **40E** of component **134**.

Replace the switch if necessary.

Check **the continuity and insulation** of the following connections:

- Connection code **40C**.
- Connection code **40A**.
- Connection code **40E** between components **134** and **239**.

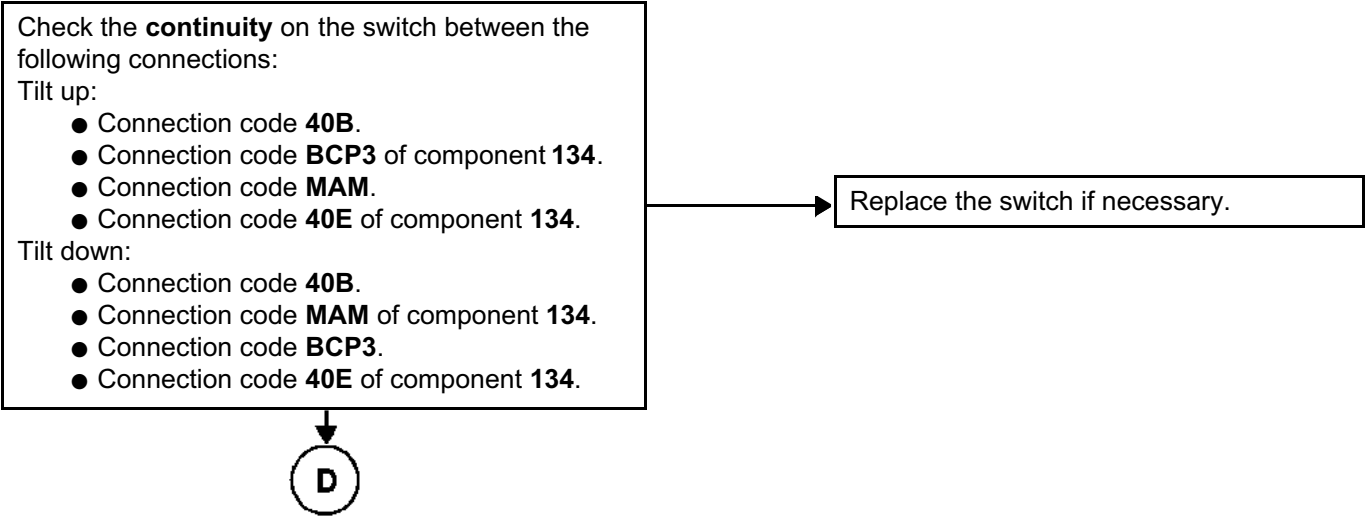
If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Replace the door mirror.

|              |  |
|--------------|--|
| AFTER REPAIR | Carry out a complete check with the <b>diagnostic tool</b> . |
|--------------|--|

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|----------------------|--|
| ALP50<br>CONTINUED 6 |  |
|----------------------|--|

Retractable door mirror. Right-hand door mirror.



|              |  |
|--------------|--|
| AFTER REPAIR | Carry out a complete check with the <b>diagnostic tool</b> . |
|--------------|--|

|                      |  |
|----------------------|--|
| ALP50<br>CONTINUED 7 |  |
|----------------------|--|



Check the **continuity** on the switch between the following connections:

Tilt left:

- Connection code **40D**.
- Connection code **BCP3** of component **134**.
- Connection code **MAM**.
- Connection code **40E** of component **134**.

Tilt right:

- Connection code **40D**.
- Connection code **MAM** of component **134**.
- Connection code **BCP3**.
- Connection code **40E** of component **134**.

Replace the switch if necessary.

Check **the continuity and insulation** of the following connections:

- Connection code **40C**.
- Connection code **40D**.
- Connection code **40B** between components **134** and **240**.

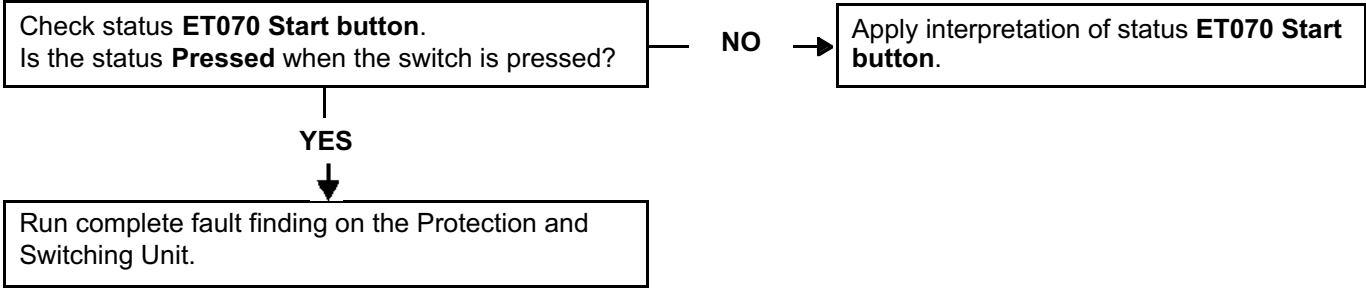
If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, replace the door mirror(s).

|              |  |
|--------------|--|
| AFTER REPAIR | Carry out a complete check with the <b>diagnostic tool</b> . |
|--------------|--|

|       |                                       |
|-------|---------------------------------------|
| ALP51 | + after ignition feed remains blocked |
|-------|---------------------------------------|

|       |  |
|-------|--|
| NOTES | Only check this customer complaint after performing a complete check with the <b>diagnostic tool</b> . |
|-------|--|



|              |  |
|--------------|--|
| AFTER REPAIR | Carry out a complete check with the <b>diagnostic tool</b> . |
|--------------|--|



**ALP 52**

**"Adjust tyre pressure" message appears  
(the wheel concerned is highlighted on the display)**

**Note:** In **Vdiag 44** vehicles, the Service warning light comes on with the instrument panel message.

**NOTES**

Check that all the faulty tyres are fitted with tyre pressure monitor valves.

Make sure the tyre has the recommended pressure specified on the label or in the driver's handbook (not under- or over-inflated).

**Are the tyres at the recommended pressures?**

NO

Readjust the tyre inflation pressure.

YES

Read the pressures in **PR003** to **PR006**.

**Do PR003 to PR006 match the readings taken with the pressure gauge (to within 0.2 bar)?**

YES

Read the recommended pressures in the UCH (**PR009** to **PR012**)

**Do the values of these parameters match the manufacturer's recommended pressures?**

NO

Write the recommended pressures with command **VP005 Enter recommended pressures**.

NO

**A**

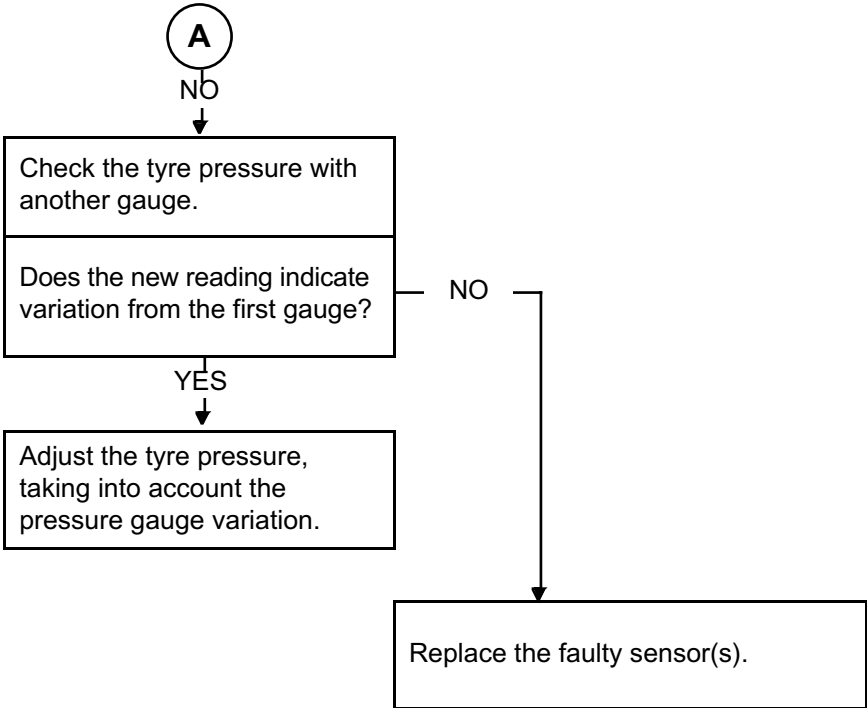
YES

Program the four valve codes and reinstall the coloured rings in the position indicated on the label on the driver's side.

**AFTER REPAIR**

Carry out a complete check with the **diagnostic tool**.

|                     |  |
|---------------------|--|
| ALP 52<br>CONTINUED |  |
|---------------------|--|



|              |  |
|--------------|--|
| AFTER REPAIR | Carry out a complete check with the <b>diagnostic tool</b> . |
|--------------|--|

**ALP 53**

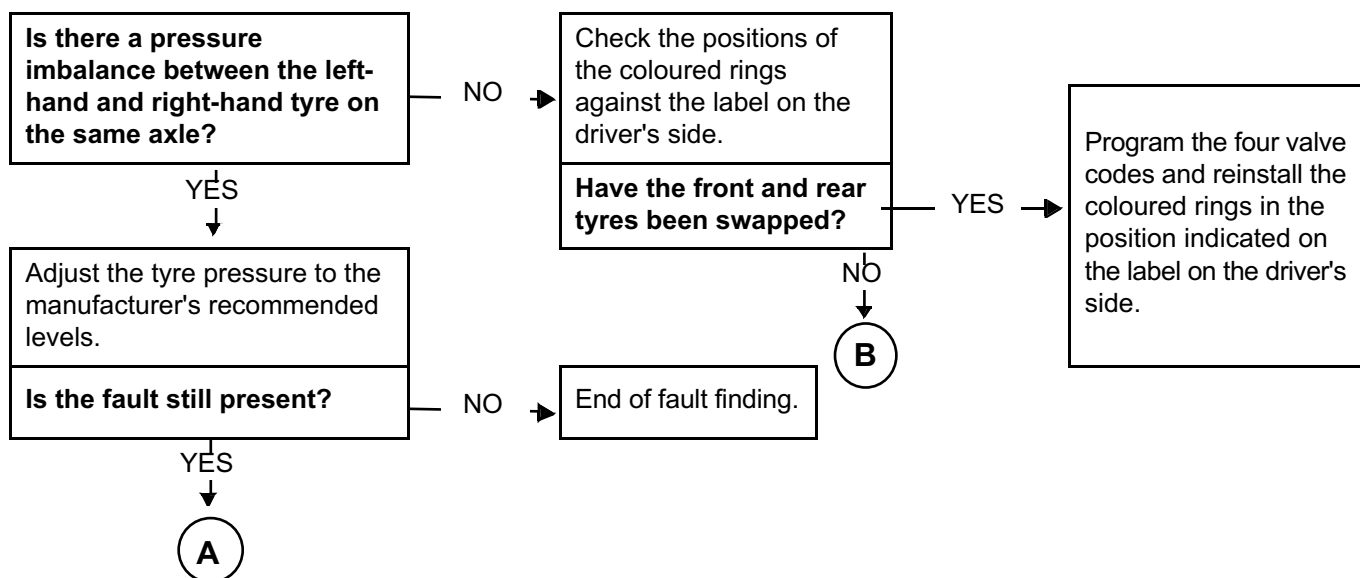
**"Adjust tyre pressure" message appears  
(2 wheels are highlighted on the display)**

**Note:**

In **Vdiag 44** vehicles, the Service warning light comes on with the instrument panel message.

**NOTES**

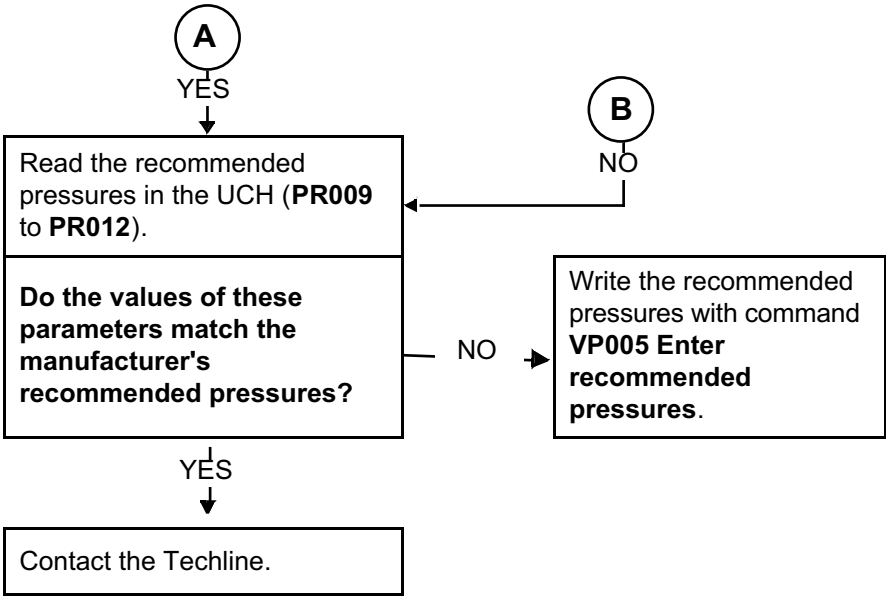
Check that all the faulty tyres are fitted with tyre pressure monitor valves.



**AFTER REPAIR**

Carry out a complete check with the **diagnostic tool**.

|                     |  |
|---------------------|--|
| ALP 53<br>CONTINUED |  |
|---------------------|--|



|                     |  |
|---------------------|--|
| <b>AFTER REPAIR</b> | Carry out a complete check with the <b>diagnostic tool</b> . |
|---------------------|--|

**ALP 54**

**"Tyre sensor fault" message appears  
(wheel warning light disappears)**

**NOTES**

Check that all the faulty tyres are fitted with tyre pressure monitor valves.

**Has one of the wheels been  
replaced with the spare?**

YES →

Perform the necessary  
work on the wheel with a  
tyre pressure monitor  
valve, then reinstall it on  
the vehicle.

NO

Program the four valve codes with  
command **SC002 Program the 4  
valve codes.**

**Did the programming procedure  
go properly?**

NO

YES

End of fault  
finding.

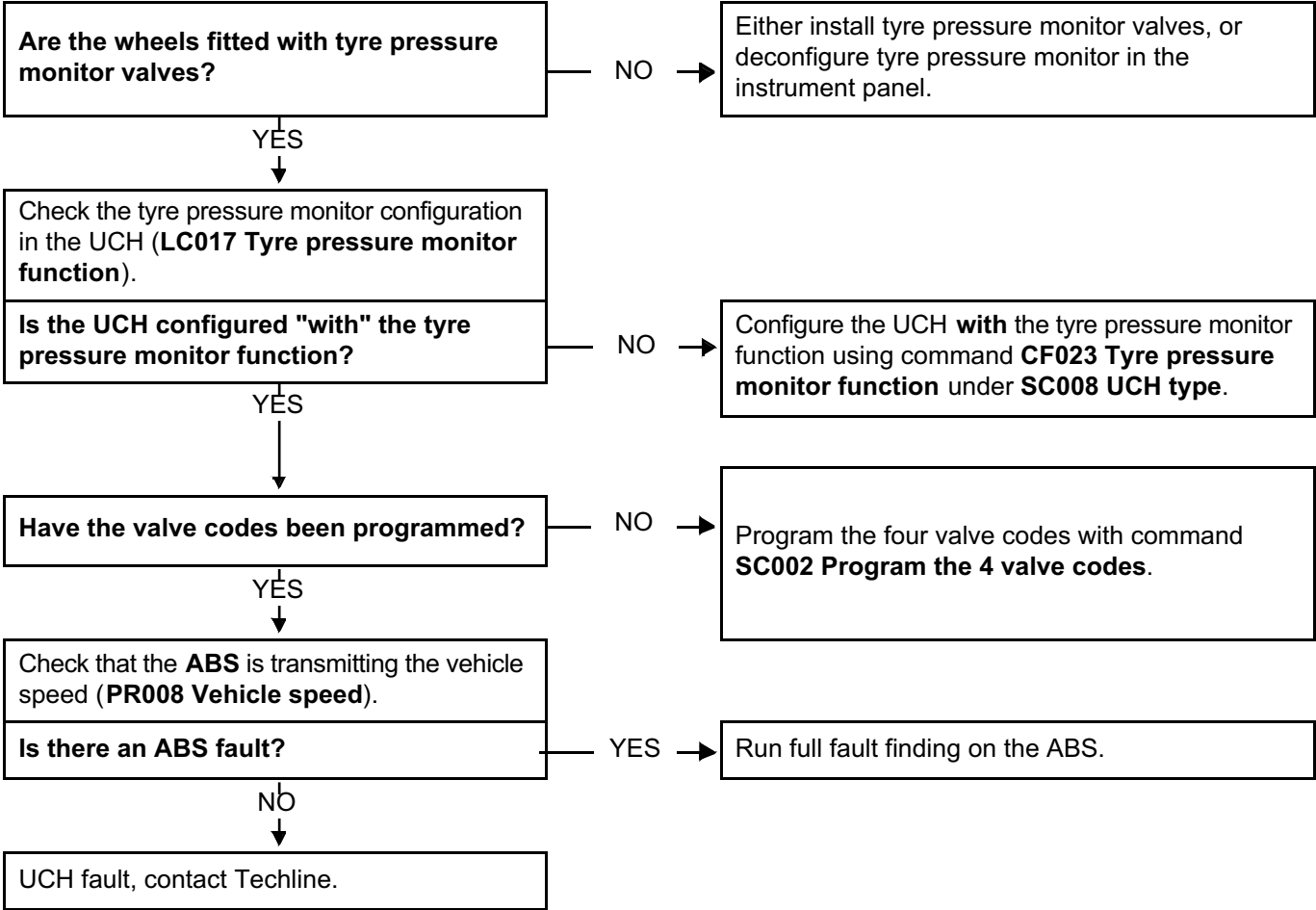
Replace the faulty valve.

**AFTER REPAIR**

Carry out a complete check with the **diagnostic tool**.

|        |   |
|--------|---|
| ALP 55 | "Tyre sensor fault" message appears<br>(4 wheel warning lights disappear) |
|--------|---|

|       |   |
|-------|---|
| NOTES | Check that all the faulty tyres are fitted with tyre pressure monitor valves. |
|-------|---|



|              |  |
|--------------|--|
| AFTER REPAIR | Carry out a complete check with the <b>diagnostic tool</b> . |
|--------------|--|

**ALP 56**

**"Stop! Tyre puncture" message appears  
(the wheel is highlighted on the display)**

**NOTES**

None.

**Is the tyre punctured?**

YES →

Repair the tyre.

NO  
↓

Check the pressure in all 4 tyres with a pressure gauge (problem: severe under-inflation).

**Is the pressure correct?**

NO →

Make sure the valve seal is not damaged.

YES  
↓

Read the recommended pressures in the UCH (PR009 to PR012).

**Do the values of these parameters match the manufacturer's recommended pressures?**

NO  
↓

Write the recommended pressures with command **VP005**  
**Enter recommended pressures.**

YES  
↓

Contact the Techline.

Check that the sealing nut on the valve is one for valves installed on the **Mégane II** or **Scénic II**, and not one for a **Laguna II**, **Vel Satis** or **Espace IV**.

After all these checks, if the message still appears on the instrument panel, contact Techline.

**AFTER REPAIR**

Carry out a complete check with the **diagnostic tool**.