

MEGANE

8 Electrical equipment

87E

RETRACTABLE ROOF

UCT

Vdiag No: 04

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V1

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 method applicable to all computers with the following characteristics:

Vehicle(s): MEGANE II	Computer name: Roof Control Unit
Function concerned: Retractable roof Roll-hoops	Vdiag No.: 04

2. PREREQUISITES FOR FAULT FINDING

Documentation type:

Fault finding procedures (this manual):

- Assisted fault finding (integrated into the diagnostic tool), paper version (Workshop Repair Manual or Technical Note) and Dialogys.

Wiring Diagrams:

- Visu-Schéma (CD-ROM), paper.

Type of diagnostic tools:

- CLIP

Special tooling required:

SPECIAL TOOLING REQUIRED	
Diagnostic tool	
Multimeter	
Elé. 1681	Universal bornier

3. REMINDERS

Fault finding procedure

To run fault finding on the vehicle computers, switch on the ignition.

Depending on the type of vehicle equipment, proceed as follows:

For vehicles with key-operated/radio frequency remote control, use the key to switch on the ignition.

For vehicles with Renault cards,

- insert the vehicle card in the card reader,
- press and hold the start button (+5 seconds) outside starting conditions, connect **the diagnostic tool**, and carry out the desired operations.

To cut off **+ after ignition feed**, proceed as follows:

For vehicles with radio frequency remote control/key, use the key to switch off the ignition.

For vehicles with Renault cards,

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

Ensure that the forced **+ after ignition feed** has been cut off by checking that the computer warning 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 considered when the **diagnostic tool** is used after the **+ after ignition feed** is switched on (without any action on the system components).

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

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

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

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

- the electrical lines which correspond to the fault,
- the connectors for these lines (for oxidation, bent pins, etc.),
- the resistance of the component detected as faulty,
- the condition of the wires (melted or split insulation, wear).

Conformity check

The aim of the conformity check is to check the statuses and parameters that do not produce a fault display on **the diagnostic tool** when they are 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 features 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.

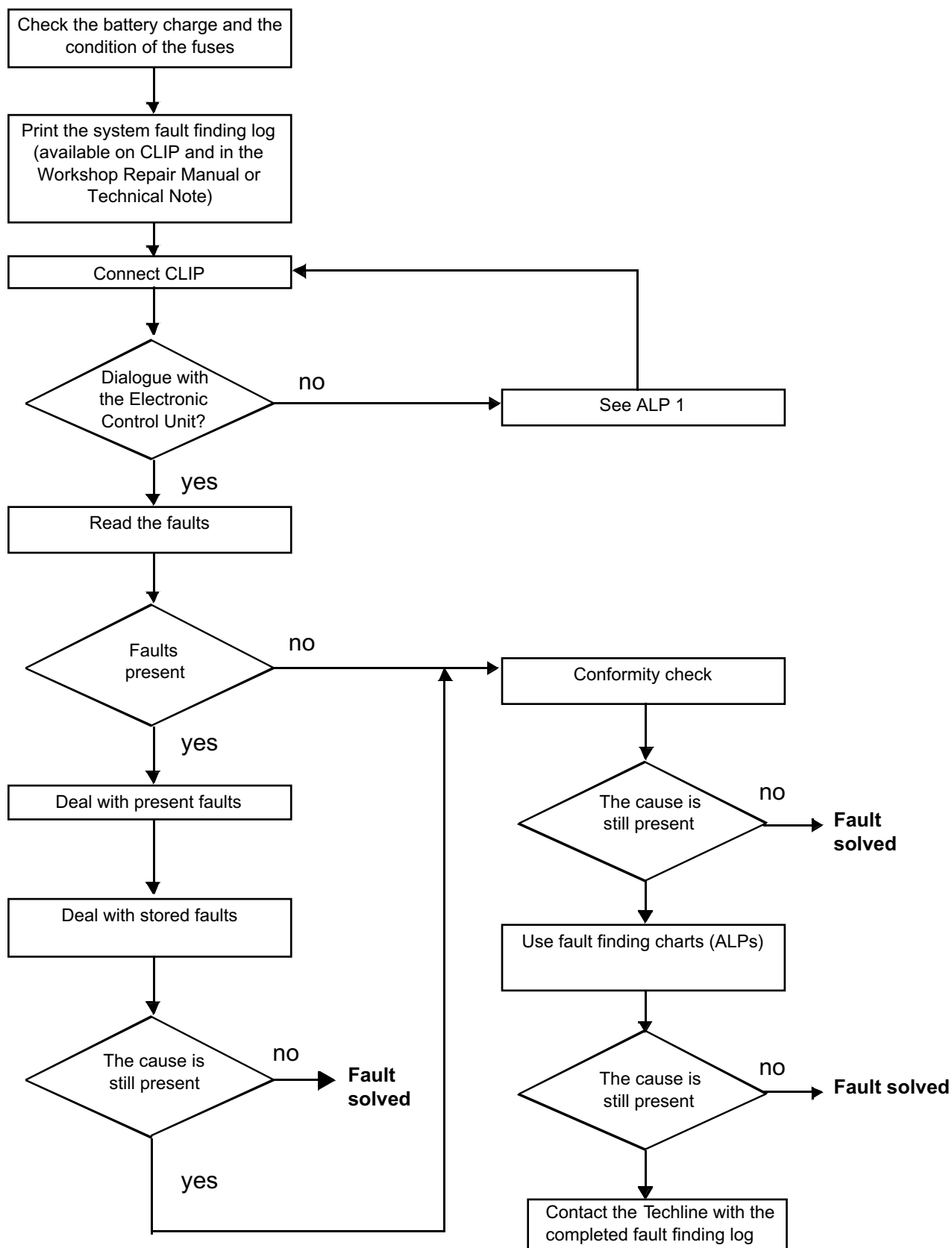
Customer complaints - Fault finding chart

If the **diagnostic tool** check is in order, but the customer complaint is still present, the fault should be dealt with as a **customer complaint**.

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

4. FAULT FINDING PROCEDURE

Retractable roof:



4. FAULT FINDING PROCEDURE (continued)

4.1 Wiring check

Fault finding problems

Disconnecting the connectors and/or manipulating the wiring 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, 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.

Checking earth insulation

This check is carried out by measuring the voltage (multimeter in voltmeter mode) between the suspect connection and the **12 V** or **5 V**. The correct measured value is **0 V**.

Checking insulation against + 12 V or + 5 V

This check is carried out by measuring the voltage (multimeter in voltmeter mode) between the suspect connection and the earth. In the first instance, the earth may be taken on the chassis. The correct measured value should be **0 V**.

Continuity check

A continuity check is carried out by measuring the resistance (multimeter in ohmmeter mode), with the connectors disconnected at both ends. The expected result is: **1 Ω \pm 1 Ω** for each connection. The line must be fully checked, and the intermediate connections are only included in the method if this saves time during the fault finding procedure. The continuity check on the multiplex lines must be carried out on both wires. The measured value should be **1 Ω \pm 1 Ω** .

Checking the supply

This check may be carried out using a test light (**21 W** or **5 W** depending on the maximum authorised load)

4.2 Connector check

Note:

Carry out each requested check visually. Do not remove a connector if it is not required.

Note:

Repeated connections and disconnections alter the functionality of the connectors and increase the risk of poor electrical contact. Limit the number of connections/disconnections as much as possible.

Note:

The check is carried out on the 2 parts of the connection. There may be two types of connection:

- Connector/Connector.
- Connector/Device.

1. Visual inspection of the connection:

- Check that the connector is connected correctly and that the male and female parts of the connection are correctly coupled.

2. Visual inspection of the area around the connection:

- Check the condition of the mounting (pin, strap, adhesive tape, etc.) if the connectors are attached to the vehicle.
- Check that there is no damage to the wiring trim (sheath, foam, adhesive tape, etc.) near the wiring.
- Check that there is no damage to the electrical wires at the connector outputs, in particular on the insulating material (wear, cuts, burns, etc.).

Disconnect the connector to continue the checks.

3. Visual inspection of the plastic casing:

- Check that there is no mechanical damage (casing crushed, split, broken, etc.), in particular to the fragile components (lever, lock, sockets, etc.).
- Check that there is no heat damage (casing melted, darker, deformed, etc.).
- Check that there are no stains (grease, mud, liquid, etc.).

4. Visual inspection of the metal contacts:

(The female contact is called CLIP. The male contact is called TAB).

- Check that there are no bent contacts (the contact is not inserted correctly and can come out of the back of the connector). The contact comes out of the connector when the wire is gently pulled.
- Check that there is no damage (folded tabs, clips open too wide, blackened or melted contact, etc.).
- Check that there is no oxidation on the metal contacts.

5. Visual inspection of the sealing:

(Only for watertight connectors)

Check for the seal on the connection (between the 2 parts of the connection).

- Check the seal at the back of the connectors:
 - For unit seals (1 for each wire), check that the unit seals are present on each electrical wire and that they are correctly positioned in the opening (level with the housing). Check that plugs are present on openings which are not used.
 - For a grommet seal (one seal which covers the entire internal surface of the connector), check that the seal is present.
 - For gel seals, check for gel in all of the sockets without removing the excess or any protruding sections (it does not matter if there is gel on the contacts).
 - For hotmelt sealing (heat-shrink sheath with glue), check that the sheath has contracted correctly on the rear of the connectors and the electrical wires, and that the hardened glue comes out of the side of the wire.
- Check that there is no damage to any of the seals (cuts, burns, significant deformation, etc.).

If a fault is detected, consult **Technical Note 6015A, Repairing electrical wiring**.

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 fault finding procedure, ensures a record is kept of the procedure carried out. It is an essential document when consulting the manufacturer.

IT IS THEREFORE MANDATORY TO FILL OUT A FAULT FINDING LOG EACH TIME FAULT FINDING IS CARRIED OUT.

You will always be asked for this report:

- 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 applied during work on any component to prevent any material damage or personal injury:

- Make sure the battery is properly charged to avoid damaging the computers if there is a low charge.
- Use the appropriate tools.

7. KEY TO ABBREVIATIONS

- **ALP**: Fault Finding Chart
- **BFR**: Relay and Fuse Box
- **CC**: Short circuit
- **CO**: Open circuit
- **UCT**: Roof Control Unit

I. LIST OF COMPONENTS

Right-hand retractable roof locking switch
Left-hand retractable roof locking switch
Boot partition switch
Retractable roof computer
Hydraulic solenoid valve
Position sensor on the retractable roof hydraulic cylinder
Position sensor on the boot lid hydraulic cylinder
Hydraulic pump relay
Automatic roll-hoop computer
Automatic roll-hoop

II. LOCATION OF COMPONENTS

To locate components relating to the retractable roof and the roll-hoops of **Megane II**, consult **MR 364, Mechanical, 87E, Retractable Roof** and **MR 365, Bodywork, 59A, Safety accessories, Roll-hoop: Removal - Refitting**.

RETRACTABLE ROOF

Fault finding – Role of components

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Right-hand retractable roof locking switch

Located on the top right-hand section of the windscreen frame, this indicates the roof locking status to the retractable roof computer.

Left-hand retractable roof locking switch

Located on the top left-hand section of the windscreen frame, this indicates the roof locking status to the retractable roof computer.

Boot partition switch

Located in the luggage compartment, this indicates the status of the boot partition flap to the retractable roof computer.

Retractable roof computer

This receives and interprets the different data transmitted by all of the sensors in order to check that the system operates correctly.

Hydraulic solenoid valve

Actuator which controls the hydraulic cylinder supply.

Position sensor on the retractable roof hydraulic cylinder

Indicates the position of the retractable roof to the retractable roof computer.

Position sensor on the boot lid hydraulic cylinder

Indicates the position of the boot lid to the computer.

Hydraulic pump relay

Controls the hydraulic pump supply.

Automatic roll-hoop computer

Controls the triggering of the roll-hoops.

Automatic roll-hoops

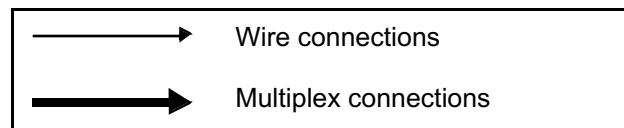
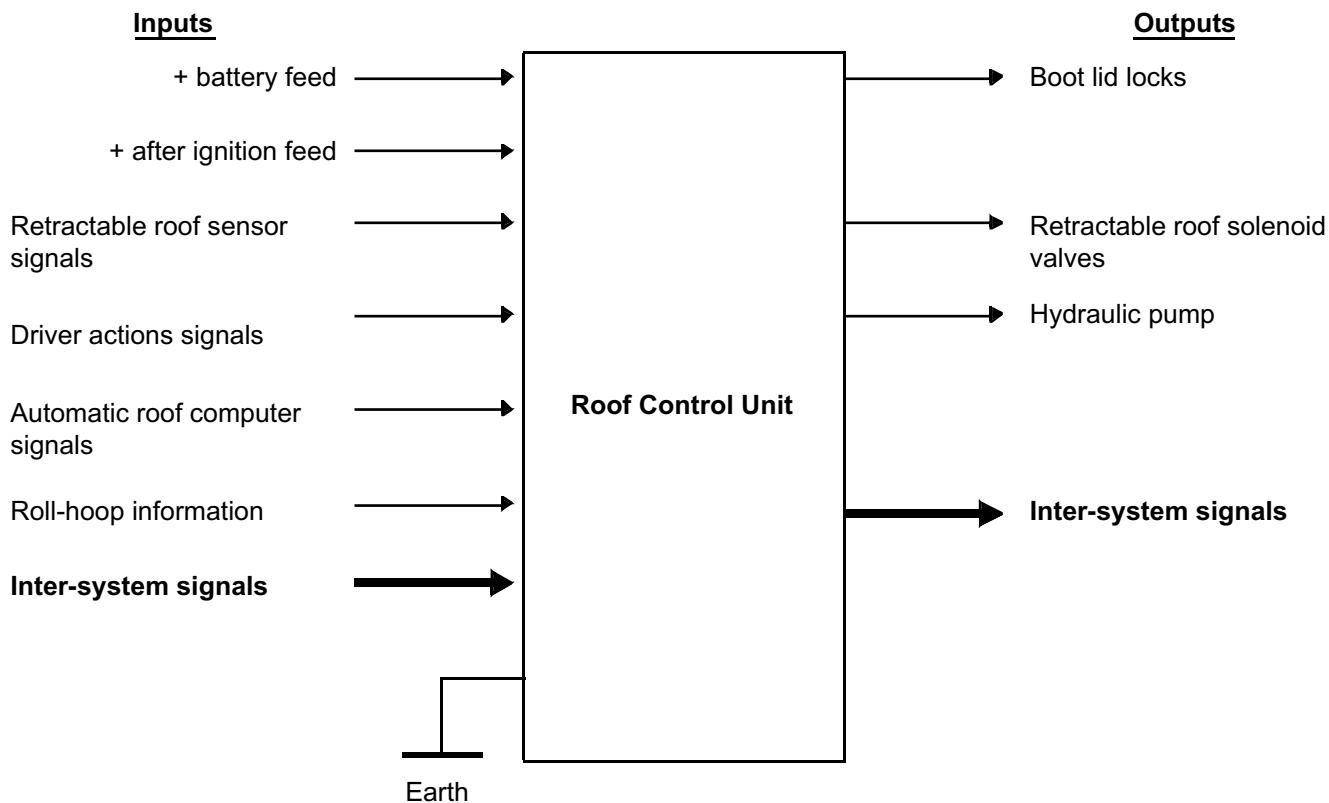
The purpose of the two hoops is to prevent injury to the vehicle occupants if the vehicle rolls over.

RETRACTABLE ROOF

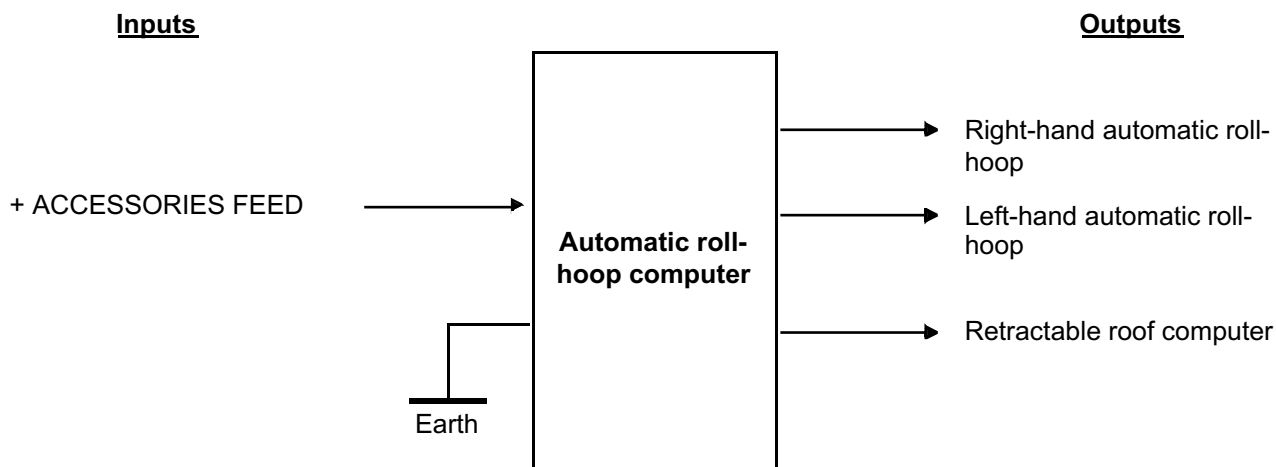
Fault finding – Operating diagram

87E

I. Retractable roof computer



II. Automatic roll-hoop computer



RETRACTABLE ROOF:

The **MEGANE II** retractable roof is automatic and is controlled by a switch on the centre console. The Roof Control Unit (computer) controls the pump assembly and boot lid locks. The time required to open or close the roof is approximately **22 seconds** in addition to the time required to lower and raise the 4 electric windows.

Roof operating conditions

- Speed < **2 mph (3 km/h)**
- + after ignition feed.
- Boot partition fitted
- Boot lid closed
- Roll hoops not deployed

ROLL HOOPS:

The purpose of the two hoops is to prevent injury to the vehicle occupants if the vehicle rolls over. The computer with integrated roll over sensor measures the angle of incline of the vehicle and deploys the hoops if the vehicle rolls over.

Safe modes

Safe mode may be caused by opening and closing the roof with too little time between each operation (protecting the hydraulic pump from overheating). In this case, leave the system to cool down for **30 minutes**.

Error messages

- "REFER TO THE ROOF HANDBOOK"
- "CHECK ROOF" + "service" indicator light
- "CHECK HOOPS" + "service" indicator light
- "STOP ROOF MOVEMENT"
- Buzzer
- if the roof is not properly closed or incorrectly fitted.
- if one of the conditions is not fulfilled: boot partition not fitted, **V > 2 mph (3 km/h)**, roll hoops deployed or boot lid not closed.

Instrument panel messages and warning lights on strategy

Messages	Indicator lights:	Type of fault
CHECK HOOPS	Service	At least one roll-hoop is deployed or has a fault.

SETTINGS**VP002: Enter VIN.**

This command permits manual entry of the vehicle's VIN into the computer. Use this command each time the computer is replaced. The VIN number is inscribed on the manufacturer's plate.

Procedure for writing the VIN

- Establish dialogue with the navigation computer.
- Select the **Repair mode** menu.
- Select the **Other parameters** menu.
- Select line **VP002**.
- Enter the VIN.
- Exit fault finding mode.
- Switch off the ignition.
- Wait for the end of power latch.
- Read the VIN in the **Identification** menu for confirmation using **ID009 VIN Code**.

CF001 Safety roll-hoops

This configuration is used to configure the retractable roof computer with automatic roll-hoops or with fixed roll-hoops depending on the vehicle equipment.

The computer will take account of the information relating to the hoops or otherwise.

The default configuration for a new computer is **Automatic** roll hoops present.

Procedure for writing the CF001:

- Switch on the ignition.
- Select the **Repair mode** menu.
- Select the **Write configuration** menu.
- Select line **CF001**.
- Select from the dropdown menu: **Automatic** or **Fixed** depending on the vehicle equipment.
- Confirm the selection.

Make sure the configuration has been properly stored by checking the "**Read configuration**" menu line **LC001 "Roll-hoops"**.

Read configuration LC001:

- Select the menu **repair mode**.
- Select the "**Read configuration**" menu.
- Select line **LC001**.
- Read configuration: **Automatic / Fixed**.

If necessary, configure with commands **CF001**.

RETRACTABLE ROOF

To remove and refit the retractable roof computer, refer to the repair manual (see **MR 364, Mechanical, 87E, Retractable roof, Computer: Removal - Refitting**).

After replacing the computer, configure **CF001 Safety roll-hoops** and parameter **VP002 Enter VIN**, described in section **Configurations and programming**.

AUTOMATIC ROLL-HOOPS

Replacing the computer:

The automatic roll-hoop computer is located behind the rear bench seat.

IMPORTANT

Do not supply power to the computer once it is screwed to the vehicle partition panel.

If a computer is supplied in another position, it automatically causes a permanent internal fault and the computer will then have to be replaced

When replacing the automatic roll-hoop computer: see **MR 364, Mechanical, 87E, Retractable roof, Roll-hoop computer: Removal - Refitting**.

Replacing an automatic roll-hoop

WARNING

If there is an internal or external fault, the computer remains operational: risk of deploying the roll-hoop when carrying out an operation with the power on.

Never put your head above the roll-hoop.

When replacing an automatic roll-hoop: see **MR 365, Bodywork, 59A, Roll-hoop, Removal - Refitting**.

RETRACTABLE ROOF

Fault finding – Fault summary table

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Tool fault	Associated DTC	Diagnostic tool title
DF001	9031	Computer fault
DF002	9030	Computer fault
DF003	9032	Computer feed voltage
DF004	9033	Computer feed voltage
DF005	9093	Solenoid valve control circuit
DF006	9094	Hydraulic pump control circuit
DF007	9090	Invalid roof position
DF008	9095	Left-hand boot lock relay circuit
DF009	9096	Right-hand boot lock relay circuit
DF011	90A7	Boot partition switch circuit
DF012	90A3	Left-hand boot lock switch circuit
DF013	90A4	Right-hand boot lock switch circuit
DF015	90A6	Electric window down control circuit
DF016	90A5	Electric window up control circuit
DF017	9097	Solenoid valve circuit 1
DF018	9098	Solenoid valve circuit 2
DF024	90A1	Sunroof switch locked
DF025	9081	Hydraulic pump activation time too long
DF026	9080	Solenoid valves activation time too long
DF027	9083	Electric window switch permanent support
DF028	9082	Retractable roof switch permanent support
DF085	90AB	Defect mode
DF086	9091	Roof position sensor
DF087	9040	Boot unlocking (opening phase)
DF089	90AA	Roll-hoop computer circuit
DF090	9041	Boot/roof unlocking (opening phase)
DF091	9042	Boot/roof unlocking (opening phase)
DF092	9043	Boot/roof unlocking (opening phase)

RETRACTABLE ROOF

Fault finding – Fault summary table

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Tool fault	Associated DTC	Diagnostic tool title
DF093	9044	Boot/roof unlocking (opening phase)
DF094	9045	Boot/roof unlocking (opening phase)
DF095	9046	Boot opening (opening phase)
DF096	9047	Boot opening (opening phase)
DF097	9048	Boot opening (opening phase)
DF098	9049	Roof opening (opening phase)
DF099	904A	Roof opening (opening phase)
DF101	904B	Boot closing (opening phase)
DF102	904C	Boot closing (opening phase)
DF103	904D	Boot closing (opening phase)
DF104	904E	Boot closing (opening phase)
DF106	9060	Boot unlocking (closing phase)
DF107	9061	Boot unlocking (closing phase)
DF108	9062	Boot unlocking (closing phase)
DF109	9063	Boot opening (closing phase)
DF115	9066	Boot closing (closing phase)
DF116	9067	Boot closing (closing phase)
DF117	9068	Boot closing (closing phase)
DF118	9069	Boot closing (closing phase)
DF119	906A	Boot/roof locking (closing phase)
DF120	906B	Boot/roof locking (closing phase)
DF121	906C	Boot/roof locking (closing phase)
DF122	906D	Boot/roof locking (closing phase)
DF123	906E	Boot/roof locking (closing phase)

Tool fault	Associated DTC	Diagnostic tool title
DF124	90A9	Roll-hoop switch
DF125	90A8	Roll-hoop switch
DF126	90A0	Roof switch circuit closed
DF131	9092	Boot position sensor
DF132	9064	Roof closing (closing phase)
DF133	9065	Roof closing (closing phase)
DF136	90A2	Roll-hoop switch

DF001 PRESENT OR STORED	COMPUTER FAULT 1. DEF: Configuration/Initialisation
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NOTES	Conditions for applying the fault finding procedure to stored faults: Apply this fault finding procedure if the fault appears as present or stored again after: – clearing the fault and switching the ignition off then back on.
	Use the Technical Note Wiring Diagram for MEGANE II .

<p>Check that the earth, connection NE, of the retractable roof computer, component code 1476, located on the rear left-hand side of the vehicle is correct.</p> <p>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 the wiring.</p>
<p>Check that fuses 1G (15A) and 1O (15A) in the passenger compartment fuse and relay box are in good condition, component code 260.</p>
<p>With the ignition on, check for +12 V on connections SP16 and BP12 of component 260.</p> <p>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.</p> <p>Run fault finding on the UCH*, component code 645, if there is no + 12 V on connection SP16 (see 87B, Passenger compartment connection unit).</p> <p>Run fault finding on the power supply fuse board, component code 777, if there is no + 12 V on connection BP12.</p>
<p>Disconnect the retractable roof computer, component code 1476.</p> <p>Check the condition and cleanliness of the contacts.</p> <p>If the connectors are 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.</p>
<p>Check the insulation, continuity and the absence of interference resistance of the following connections:</p> <ul style="list-style-type: none"> – SP2 between components 1476 and 260. – BP32 between components 1476 and 260. <p>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.</p>
<p>If the fault persists, contact your Techline.</p>

* UCH: Passenger Compartment Control Unit

AFTER REPAIR	<p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults using command RZ001 Fault memory.</p> <p>Deal with any other faults.</p>
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DF002 PRESENT OR STORED	COMPUTER FAULT 1. DEF: Configuration/Initialisation
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NOTES	Conditions for applying the fault finding procedure to stored faults: Apply this fault finding procedure if the fault appears as present or stored again after: – clearing the fault and switching the ignition off then back on.
	Use the Technical Note Wiring Diagram for MEGANE II .

<p>Check that the earth, connection NE, of the retractable roof computer, component code 1476, located on the rear left-hand side of the vehicle is correct.</p> <p>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 the wiring.</p>
<p>Check that fuses 1G (15A) and 1O (15A) in the passenger compartment fuse and relay box are in good condition, component code 260.</p>
<p>With the ignition on, check for +12 V on connections SP16 and BP12 of component 260.</p> <p>Run fault finding on the UCH*, component code 645, if there is no + 12 V on connection SP16 (see 87B, Passenger compartment connection unit).</p> <p>Run fault finding on the power supply fuse board, component code 777, if there is no + 12 V on connection BP12.</p>
<p>Disconnect the retractable roof computer, component code 1476.</p> <p>Check the condition and cleanliness of the contacts.</p> <p>If the connectors are 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.</p>
<p>Check the insulation, continuity and the absence of interference resistance of the following connections:</p> <ul style="list-style-type: none"> – SP2 between components 1476 and 260. – BP32 between components 1476 and 260. <p>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.</p>
<p>If the fault persists, contact your Techline.</p>

AFTER REPAIR	<p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults using command RZ001 Fault memory.</p> <p>Deal with any other faults.</p>
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF003 PRESENT OR STORED	COMPUTER SUPPLY VOLTAGE 1. DEF: Feed voltage too low
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is declared present when the supply voltage is below 8.5 V .
	Use the Technical Note Wiring Diagram for MEGANE II .

The computer supply voltage must be between: 9.5 V < X < 15.5 V . Use parameter PR001 Computer supply voltage to check that the voltage is not below: X < 8.5 V .
Check the battery and perform an alternator supply test (see 16A, Starting, Charging).
Check that the earth, connection NE , of the retractable roof computer, component code 1476 , located on the rear left-hand side of the vehicle is correct. 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 the wiring.
Check that fuses 1G (15A) and 1O (15A) in the passenger compartment fuse and relay box are in good condition, component code 260 .
With the ignition on, check for +12 V on connections SP16 and BP12 of component 260 . Run fault finding on the UCH* , component code 645 , if there is no + 12 V on connection SP16 (see 87B, Passenger compartment connection unit). Run fault finding on the power supply fuse board, component code 777 , if there is no + 12 V on connection BP12 .
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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 another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF003 CONTINUED

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

- **SP2** between components **1476** and **260**.
- **BP32** between components **1476** and **260**.

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 these connections are not correct, disconnect connector **R2** (dashboard/rear left-hand).

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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 persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF004 PRESENT OR STORED	COMPUTER SUPPLY VOLTAGE 1. DEF: Supply voltage too high
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is declared present when the supply voltage is above 16.5 V .
	Use the Technical Note Wiring Diagram for MEGANE II .

<p>The computer supply voltage must be between: 9.5 V < X < 15.5 V. Use parameter PR001 Computer supply voltage to check that the voltage is not above: X < 16.5 V.</p>
Check the battery and perform an alternator supply test (see 16A, Starting, Charging).
<p>Check that the earth, connection NE, of the retractable roof computer, component code 1476, located on the rear left-hand side of the vehicle is correct. 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 the wiring.</p>
Check that fuses 1G (15A) and 1O (15A) in the passenger compartment fuse and relay box are in good condition, component code 260 .
<p>Disconnect the retractable roof computer, component code 1476. Check the condition and cleanliness of the contacts. If the connectors are 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.</p>
<p>Check the insulation, continuity and the absence of interference resistance of the following connections:</p> <ul style="list-style-type: none"> – SP2 between components 1476 and 260. – BP32 between components 1476 and 260. <p>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.</p>

AFTER REPAIR	<p>Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory. Deal with any other faults.</p>
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UCT_V04_DF004

DF004
CONTINUED

Disconnect connector **R2** (dashboard/rear left-hand).
Check the **condition** and **cleanliness** of the contacts.
If the connectors are 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 persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF005 PRESENT OR STORED	SOLENOID VALVE CONTROL CIRCUIT CO.0: Open circuit or short circuit to earth
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is declared present after opening or closing the retractable roof.
	Use the Technical Note Wiring Diagram for MEGANE II .

<p>Check the condition and connection of the connectors of the rigid roof solenoid valve, components 1485 and the boot lid solenoid valve, component code 1484.</p> <p>If the connectors are 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.</p>
<p>Disconnect the retractable roof computer, component code 1476.</p> <p>Check the condition and cleanliness of the contacts.</p> <p>If the connectors are 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.</p>
<p>Check the insulation, continuity and the absence of interference resistance of the following connections:</p> <ul style="list-style-type: none"> – 33B between components 1476 and 1485. – 33A between components 1476 and 1484. <p>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.</p>
<p>Check the condition and connection of connector R327 as well as the wiring harness between the solenoid valves, component code 1484 and 1485 and the retractable roof computer, component code 1476.</p> <p>If the connectors are 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.</p>
<p>If the fault persists, contact your Techline.</p>

AFTER REPAIR	<p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults using command RZ001 Fault memory.</p> <p>Deal with any other faults.</p>
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DF006 PRESENT OR STORED	HYDRAULIC PUMP CONTROL CIRCUIT CO.0: Open circuit or short circuit to earth
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is declared present after opening or closing the retractable roof.
	Use the Technical Note Wiring Diagram for MEGANE II .

Check the condition, connection and operation of the hydraulic pump relay, component code 1487 . If the connectors are 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 MY of the hydraulic pump relay, component code 1487 . 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 the wiring.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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 of the following connections: – 33D between components 1476 and 1487 . – BP51 between components 260 and 1487 – 33H between components 1486 and 1487 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.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF006 CONTINUED

Measure the resistance of the relay coil between connections **33D** and **33G** of the hydraulic pump relay, component code **1487**.

Replace the relay if the coil resistance is not between: **$58.5 \Omega < X < 71.5 \Omega$**
(see **MR 364, Mechanical, 87E, Retractable roof - Hydraulic pump relay, Removal - Refitting**).

Perform the following checks on the hydraulic pump relay, component code **1487**:

Relay in rest position:—the insulation between connections **BP51** and **33H**,
— the continuity and absence of interference resistance between connections **33H** and **MY**.

If one of the checks is not correct, replace the hydraulic pump relay, component code **1487** if it is not correct (see **MR 364, Mechanical, 87E, Retractable roof - Hydraulic pump relay, Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF007 PRESENT OR STORED	<u>INVALID ROOF POSITION</u> 1. DEF: Inconsistency
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is declared present after opening or closing the retractable roof.
	Deal with the other faults first. Read the ET033 Position status to see the position of the retractable roof.

Check the cleanliness and condition of the right-hand and left-hand boot locks, component code 1477 and 1478 . Check that nothing is hindering the operation of the right and left-hand boot locks. Perform the necessary repairs (see MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable boot lid locking: Removal - Refitting).
Check the cleanliness and condition of the 2 sensors on the windscreen pillar, component code 1480 and 1481 . Check that nothing inhibits operation of the two sensors. Perform the necessary repairs (see MR 364, Mechanical, 87E, Retractable roof, Retractable roof locking switch: Removal - Refitting).
Check the cleanliness and condition of the sensor on the boot hydraulic cylinder, component code 1488 . Perform the necessary repairs (see MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting).
Check the cleanliness and condition of the sensor on the roof hydraulic cylinder, component code 1489 . Perform the necessary repairs (see MR 364, Mechanical, 87E, Retractable roof, Position sensor on retractable roof hydraulic cylinder: Removal - Refitting).
If the fault is still present, proceed to the conformity check.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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DF008 PRESENT OR STORED	<u>LEFT-HAND BOOT LOCK RELAY CIRCUIT</u> 1. DEF: Permanent low level 2. DEF: Permanent high signal CO.1: Open circuit or short circuit to +12 V
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is declared present after opening or closing the retractable roof.
	Use the Technical Note Wiring Diagram for MEGANE II .

<p>Check that the connector on the left-hand boot lock, component code 1478 is correctly connected. If the connectors are 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.</p>
<p>Check for earth on connection MZ of component 1478. 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 the wiring.</p>
<p>Disconnect the retractable roof computer, component code 1476. Check the condition and cleanliness of the contacts. If the connectors are 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.</p>
<p>Check the insulation, continuity and absence of interference resistance on the following connection:</p> <ul style="list-style-type: none"> – 33N between components 1476 and 1478. – 33L between components 1476 and 1478. – 33AD between components 1476 and 1478. <p>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.</p>
<p>If the fault is still present, replace the lock (see MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable boot lid locking: Removal - Refitting).</p>
<p>If the fault persists, contact your Techline.</p>

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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DF009 PRESENT OR STORED	RIGHT-HAND BOOT LOCK RELAY CIRCUIT 1. DEF: Permanent low level 2. DEF: Permanent high signal CO.1: Open circuit or short circuit to +12 V
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is declared present after opening or closing the retractable roof.
	Use the Technical Note Wiring Diagram for MEGANE II .

<p>Check that the connector on the right-hand boot lock, component code 1477 is correctly connected. If the connectors are 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.</p>
<p>Check for earth on connection MAQ of component 1477. 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 the wiring.</p>
<p>Disconnect the retractable roof computer, component code 1476. Check the condition and cleanliness of the contacts. If the connectors are 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.</p>
<p>Check the insulation, continuity and the absence of interference resistance on the following connection:</p> <ul style="list-style-type: none"> – 33M between components 1476 and 1477. – 33K between components 1476 and 1477. – 33AD between components 1476 and 1477. <p>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.</p>
<p>If the fault is still present, replace the lock (see MR 364, Mechanical, 87E, Retractable roof, Boot locks: Removal - Refitting)</p>

AFTER REPAIR	<p>Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory. Deal with any other faults.</p>
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF011 PRESENT OR STORED	<u>BOOT PARTITION SWITCH CIRCUIT</u> CC.1: Short circuit to + 12 V
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NOTES	Conditions for applying the fault finding procedure to stored faults: To change a stored fault to a present fault, put the boot partition in place and then remove it.
	Check correct functioning of status ET017 Boot partition compared to the position of the boot partition.
	Use the Technical Note Wiring Diagram for MEGANE II .

Check that the boot partition switch operates freely.

Check the **condition** and **connection** of the boot partition switch, component code **1479**.

If the connectors are 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.

Disconnect the connector of the retractable roof computer, component code **1476**.

If the connectors are 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:

- **33S** between components **1476** and **1479**.
- **33AD** between components **1476** and **1479**.

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, replace the boot partition switch (see **MR 364, Mechanical, 87E, Retractable roof, Boot partition switch: Removal - Refitting**).

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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UCT_V04_DF011

DF012 DF013 PRESENT OR STORED	<u>LEFT-HAND BOOT LOCK SWITCH CIRCUIT</u> <u>RIGHT-HAND BOOT LOCK SWITCH CIRCUIT</u> CC.1: Short circuit to + 12 V
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following the opening and closing of the boot lid locks.
	Check correct functioning of status ET015 Right-hand boot lock and ET016 Left-hand boot lock compared to the positions of the locks.
	Use the Technical Note Wiring Diagram for MEGANE II .

Check the condition and connection of the connectors of the right-hand boot lock, component code 1477 and of the left-hand boot lock, component code 1478 . If the connectors are 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 1478 or on connection MAQ of component 1477 . 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.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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 of the following connections: – 33N between components 1476 and 1478 . – 33M between components 1476 and 1477 . – 33AD between components 1476 and 1478 – 33AD between components 1476 and 1477 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, replace the faulty lock (see MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting).

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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DF015 PRESENT OR STORED	<u>ELECTRIC WINDOW DOWN SWITCH CIRCUIT</u> CC.1: Short circuit to + 12 V
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the electric windows control switch in the opening and closing directions.
	Use the Technical Note Wiring Diagram for MEGANE II .

<p>Check the condition and connection of the electric window control connector, component code 854. If the connectors are 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.</p>
<p>Check for earth on connection MAM of component 854. 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 the wiring.</p>
<p>Perform the following checks:</p> <ul style="list-style-type: none"> – switch in rest position: insulation between connections 33T and 33AB of component 854. – switch in the down position: the continuity and absence of interference resistance of connections 33T and 33AB of component 854. <p>If one of the checks is not correct, replace the switch (see MR 364, Mechanical, 87D, Retractable roof, Electric window switches: Removal - Refitting)</p>
<p>Disconnect the retractable roof computer, component code 1476. Check the condition and cleanliness of the contacts. If the connectors are 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.</p>
<p>Check the insulation, continuity and the absence of interference resistance on the following connection:</p> <ul style="list-style-type: none"> – 33T between components 1476 and 854. – 33AB between components 1476 and 854. <p>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 the wiring.</p>
<p>Activate command AC004 "Lower electric windows". In the event of a fault, apply command interpretation AC004.</p>

AFTER REPAIR	<p>Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory. Deal with any other faults.</p>
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DF016 PRESENT OR STORED	<u>ELECTRIC WINDOW UP SWITCH CIRCUIT</u> CC.1: Short circuit to + 12 V
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the electric windows control switch in the opening and closing directions.
	Use the Technical Note Wiring Diagram for MEGANE II .

Check the condition and connection of the electric window control connector, component code 854 . If the connectors are 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 component 854 . 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 the wiring.
Perform the following checks: – switch in rest position: insulation between connections 33U and 33AB of component 854 . – switch in the down position: the continuity and absence of interference resistance of connections 33T and 33AB of component 854 . If one of the checks is not correct, replace the switch (see MR 364, Mechanical, 87D, Retractable roof, Electric window switches: Removal - Refitting)
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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: – 33U between components 1476 and 854 . – 33AB between components 1476 and 854 . 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 the wiring.
Activate command AC005 "Raise electric windows" . In the event of a fault, apply command interpretation AC005 .

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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DF017 PRESENT OR STORED	SOLENOID VALVE CIRCUIT 1 1. DEF: Permanent low level 2. DEF: Permanent high signal
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the electric windows control switch in the opening and closing directions.
	Check for the correct functioning of status ET018 Solenoid valve 1 in relation to the position of the retractable roof.
	Use the Technical Note Wiring Diagram for MEGANE II .

Check the condition and connection of the roof solenoid valve connector, component code 1485 . If the connectors are 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.
Only open the boot lid with the retractable roof switch (preferably starting from the roof closed position). Disconnect both solenoid valves (retractable roof and boot lid). Check that the voltage across the terminals of the roof solenoid valve connector, component code 1485 when pressing the retractable roof switch is 12 V . If the check is not correct, carry out the necessary repairs. If the connectors are 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 of the following connections: – 33B between components 1476 and 1485 . – 33C between components 1476 and 1485 . 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.
Measure the resistance at the terminals of the solenoid valve, component code 1485 . Replace the solenoid valve if its resistance is not between: 13.5 Ω < X < 16.5 Ω (see MR 364, Mechanical, 87E, Retractable roof, Hydraulic solenoid valve, Removal - Refitting)
Reconnect the solenoid valve.
If the fault persists, contact your Techline.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF018 PRESENT OR STORED	<u>SOLENOID VALVE CIRCUIT 2</u> 1. DEF: Permanent low level 2. DEF: Permanent high signal
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is declared present after opening or closing the retractable roof.
	Check for the correct functioning of status ET019 Solenoid valve 2 in relation to the position of the boot lid.
	Use the Technical Note Wiring Diagram for MEGANE II .

Check the condition and connection of the boot lid solenoid valve control connector, component code 1484 . If the connectors are 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.
Only open the boot lid with the retracable roof switch (preferably starting from the roof closed position). Disconnect both solenoid valves (retractable roof and boot lid). Check that the voltage across the terminals of the boot lid solenoid valve connector, component code 1484 when pressing the retractable roof switch is 12 V . If the check is not correct, carry out the necessary repairs. If the connectors are 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 of the following connections: – 33A between components 1476 and 1484 . – 33C between components 1476 and 1484 . 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.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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DF018
CONTINUED

Measure the resistance at the terminals of the solenoid valve, component code **1484**
Replace the solenoid valve if its resistance is not between: **$13.5\ \Omega < X < 16.5\ \Omega$**

Reconnect the solenoid valve.

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF024 PRESENT OR STORED	<u>ROOF LOCKED SWITCH</u> CC.1: Short circuit to + 12 V
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is declared present after opening or closing the retractable roof.
	Check for the correct functioning of status ET024 Roof locked in relation to the position of the retractable roof.
	Use the Technical Note Wiring Diagram for MEGANE II .

Note:

These switches are located on the right-hand and left-hand side of the windscreen frame.

Check the **condition** and **connection** of the "roof locked" right-hand position switch, component code **1480** and of the "roof locked" left-hand position switch, component code **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.
- **33AC** between components **1476** and **1481**.

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, replace the "roof locked" position switch concerned (see **MR 364, Mechanical, 87E, Retractable roof, Retractable roof locking switch: Removal - Refitting**)

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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DF025 PRESENT OR STORED	<u>HYDRAULIC PUMP ACTIVATION TIME TOO LONG</u>
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NOTES	The pump operating time, before overheating, is limited to 180 seconds . Deal with DF006 Hydraulic pump control first if it is present.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present after opening or closing the retractable roof.
	Use the Technical Note Wiring Diagram for MEGANE II .

<p>Check the condition and connection of connector R327 between the retractable roof computer, component code 1476 and the hydraulic pump relay, component code 1487.</p> <p>If the connectors are 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.</p>
<p>Check for earth on connection MY of the hydraulic pump, component code 1486 and the hydraulic pump relay, component code 1487.</p> <p>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 the wiring.</p>
<p>Disconnect the retractable roof computer, component code 1476.</p> <p>Check the condition and cleanliness of the contacts.</p> <p>If the connectors are 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.</p>
<p>Check the insulation, continuity and the absence of interference resistance on the following connection:</p> <ul style="list-style-type: none"> – BP51 between components 260 and 1487. – 33H between components 1486 and 1487. – MY between components 260 and 1487. – MY between components 260 and 1486. – 33B between components 1476 and 1487. – 33G between components 1476 and 1487. <p>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 the wiring.</p>

AFTER REPAIR	<p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults using command RZ001 Fault memory.</p> <p>Deal with any other faults.</p>
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**DF025
CONTINUED**

Check the **condition** of the wiring harness between connection **R327** and the pump electric motor, component code **1486**.

If the connectors are 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 hydraulic pump relay (see **MR 364, Mechanical, 87E, Retractable roof - Hydraulic pump relay: Removal - Refitting**).

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF026 PRESENT OR STORED	<u>SOLENOID VALVE ACTIVATION TIME TOO LONG</u>
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NOTES	The solenoid valve operating time, before overheating, is limited to 600 seconds .
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present after opening or closing the retractable roof.
	Use the Technical Note Wiring Diagram for MEGANE II .

<p>Check the condition and connection of the connectors of the roof solenoid valves, component code 1485 and the boot lid solenoid valve, component code 1484.</p> <p>If the connectors are 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.</p>
<p>Disconnect the retractable roof computer, component code 1476.</p> <p>Check the condition and cleanliness of the contacts.</p> <p>If the connectors are 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.</p>
<p>Check the insulation, continuity and the absence of interference resistance on the following connections:</p> <ul style="list-style-type: none">– 33B between components 1476 and 1485.– 33A between components 1476 and 1484.– 33C between components 1476 and 1485.– 33C between components 1476 and 1484. <p>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.</p>
<p>Check the condition and connection of connector R327 as well as the wiring harness between the roof solenoid valve, component code 1485, the boot lid solenoid valve, component code 1484 and the roof computer, component code 1476.</p> <p>If the connector or connectors are 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</p>
<p>If the fault persists, contact your Techline.</p>

AFTER REPAIR	<p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults using command RZ001 Fault memory.</p> <p>Deal with any other faults.</p>
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF027 PRESENT OR STORED	<u>ELECTRIC WINDOW SWITCH PERMANENT SUPPORT</u>
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the electric windows control switch in the opening and closing directions.
	Check that status ET002 Electric windows switch functions correctly in relation to the position of the switch.
	Use the Technical Note Wiring Diagram for MEGANE II .

Check that the electric window switch, component code **854**, operates correctly in both the up and down direction. If **ET002** does not operate correctly, consult the interpretation of status **ET002**.

Check the **condition** and **connection** of the electric window control connector, component code **854**. If the connectors are 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 component 854. 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 the wiring.

Check the **conformity** of the switch, component code **854**:

- switch in rest position: insulation between connections **33AB** and **33T** and between connections **33AB** and **33U**
- switch in the down position: continuity and absence of interference resistance between connections **33AB** and **33T**
- switch in the up position: continuity and absence of interference resistance between connections **33AB** and **33U**

If the check is not correct, replace the switch (see **MR 364, Mechanical, 87D, Retractable roof, Electric window switches: Removal - Refitting**).

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF027 CONTINUED

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33U** between components **1476** and **854**.
- **33T** between components **1476** and **854**.
- **33AB** between components **1476** and **854**.

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, replace the switch (see **MR 364, Mechanical, 87D, Retractable roof, Electric window switches: Removal - Refitting**).

AFTER REPAIR

Carry out another fault finding check on the system.

Clear the **stored** faults using command **RZ001 Fault memory**.

Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF028 PRESENT OR STORED	<u>RETRACTABLE ROOF SWITCH PERMANENTLY PRESSED</u>
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NOTES	<p>Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the opening and closing directions. Check that status ET001 Retractable roof switch functions correctly in relation to the position of the switch.</p>
	Use the Technical Note Wiring Diagram for MEGANE II .

Check that the retractable roof control switch, component code 1482 , operates correctly both opening and closing the roof. If status ET001 does not operate correctly, consult the interpretation of status ET001 .
Check the condition and connection of the retractable roof control connector, component code 1482 . If the connectors are 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 component 1482 . 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 the wiring.
<p>Check the conformity of the switch 1482:</p> <ul style="list-style-type: none"> – switch in rest position: insulation between connections 33AB and 33W and between connections 33AB and 33V – switch in the down position: continuity and absence of interference resistance between connections 33AB and 33W – switch in the up position: continuity and absence of interference resistance between connections 33AB and 33V <p>If the check is not correct, replace the switch (see MR 364, Mechanical, 87E, Retractable roof - Retractable roof switch: Removal - Refitting).</p>

AFTER REPAIR	<p>Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory. Deal with any other faults.</p>
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UCT_V04_DF028

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF028 CONTINUED

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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:

- **33V** between components **1476** and **1482**.
- **33W** between components **1476** and **1482**.
- **33AB** between components **1476** and **1482**.

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, replace the switch (see **MR 364, Mechanical, 87E, Retractable roof - Retractable roof switch: Removal - Refitting**).

AFTER REPAIR

Carry out another fault finding check on the system.

Clear the **stored** faults using command **RZ001 Fault memory**.

Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

<p>DF085 PRESENT OR STORED</p>	<p><u>DEFECT MODE</u></p>
<p>NOTES</p>	<p>Conditions for applying the fault finding procedure to stored faults: Clear the stored faults. Completely open and close the roof. If the fault does not recur, <i>end the fault finding procedure.</i> Note: Defect mode allows you to close the roof in semi-automatic mode.</p>
<p>Check the cleanliness and condition of the right-hand and left-hand boot locks, component code 1477 and 1478. Check that nothing is hindering the operation of the right and left-hand boot locks. Perform the necessary repairs (see MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable boot lid locking: Removal - Refitting).</p>	
<p>Check the cleanliness and condition of the 2 sensors on the windscreen pillar, component code 1480 and 1481. Check that nothing inhibits operation of the two sensors. Perform the necessary repairs (see MR 364, Mechanical, 87E, Retractable roof, Retractable roof locking switch: Removal - Refitting).</p>	
<p>Check the cleanliness and condition of the sensor on the boot hydraulic cylinder, component code 1488. Perform the necessary repairs (see MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting).</p>	
<p>Check the cleanliness and condition of the sensor on the roof hydraulic cylinder, component code 1489. Perform the necessary repairs (see MR 364, Mechanical, 87E, Retractable roof, Position sensor on retractable roof hydraulic cylinder: Removal - Refitting).</p>	
<p>If the fault is still present, proceed to the conformity check.</p>	

<p>AFTER REPAIR</p>	<p>Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory. Deal with any other faults.</p>
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UCT_V04_DF085

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF086 PRESENT OR STORED	ROOF POSITION SENSOR CO.0: Open circuit or short circuit to earth CC.1: Short circuit to +12 V
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the opening and closing directions.
	Check status ET028 Roof position sensor is functioning correctly in relation to the position of the roof.
	Use the Technical Note Wiring Diagram for MEGANE II .

Check the **cleanliness** and **condition** of the sensor on the roof hydraulic cylinder, component code **1489**.
Check that there are no metal objects on the hydraulic cylinder or on the sensor.
Perform the necessary repairs (see **MR 364, Mechanical, 87E, Retractable roof - Position sensor on roof hydraulic cylinder: Removal - Refitting**).

Check the **condition** and **connection** of the roof position sensor connector, component code **1489**.
Repair if necessary (see **MR 364, Mechanical, 87E, Retractable roof - Position sensor on roof hydraulic cylinder: Removal - Refitting**).

Disconnect the retractable roof computer, component code **1476**.
Check the **condition** and **cleanliness** of the contacts.
If the connectors are 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 another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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UCT_V04_DF086

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF086 CONTINUED

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

- **33Y** between components **1476** and **1489**.
- **33Z** between components **1476** and **1489**.

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 that status **ET007 Retractable roof** changes correctly according to the roof position.

If this is not the case, replace the sensor. (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on roof hydraulic cylinder: Removal – Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF087 PRESENT OR STORED	<u>BOOT UNLOCKING (OPENING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present after opening the retractable roof.
	Use the Technical Note Wiring Diagram for MEGANE II .

LEFT-HAND AND RIGHT-HAND BOOT LOCKS

Check the condition , position and operation of the left-hand and right-hand boot locks, component codes 1478 and 1477 .
Check the condition and connection of the connectors of the left-hand and right-hand boot locks, component codes 1478 and 1477 . If the connectors are 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 connections MZ and MAQ of components 1478 and 1477 . 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 the wiring.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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 another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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UCT_V04_DF087

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF087 CONTINUED 1

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

- **33N** between components **1476** and **1478**.
- **33M** between components **1476** and **1477**.
- **33AD** between components **1476** and **1477**.

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 faulty lock(s) (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF087 CONTINUED 2

LEFT-HAND AND RIGHT-HAND "ROOF LOCKED" SENSORS

Note:

These switches are located on the right-hand and left-hand side of the windscreen frame.

Check the **condition** and **connection** of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**.

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.

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.

Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.

Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.

Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.

Clear the **stored** faults using command **RZ001 Fault memory**.

Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF089 PRESENT OR STORED	ROLL-HOOP COMPUTER CIRCUIT 1. DEF: Inconsistent data.
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is declared present after the faults have been cleared and + after ignition feed switched on.
	Use the Technical Note Wiring Diagram for MEGANE II .

Check the connection and condition of the safety roll-hoop computer connector, component code 1545 , behind the rear bench seat. If the connectors are 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 retractable roof computer connector, component code 1545 . If the connectors are 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 1545 . 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 the wiring.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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: – 162A between components 1476 and 1545 . 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 the wiring.
Run fault finding on the safety roll-hoops computer (see ALP9 Message "Check roll-hoops", Fault finding chart).
If the fault persists, contact your Techline.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

<p>DF090 PRESENT OR STORED</p>	<p><u>ROOF/BOOT UNLOCKING (OPENING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.</p>
<p>NOTES</p>	<p>Check that nothing is hindering roof operation. Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the opening direction.</p>
	<p>Use the Technical Note Wiring Diagram for MEGANE II.</p>

RIGHT-HAND BOOT LOCK

<p>Check the condition, position and operation of the right-hand boot lock, component code 1477.</p>
<p>Check the condition and connection of the right-hand boot lock connector, component code 1477. If the connectors are 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.</p>
<p>Check for earth on connections MAQ of component 1477. 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 the wiring.</p>
<p>Disconnect the retractable roof computer, component code 1476. Check the condition and cleanliness of the contacts. If the connectors are 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.</p>

<p>AFTER REPAIR</p>	<p>Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory. Deal with any other faults.</p>
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UCT_V04_DF090

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF090
CONTINUED 1

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

- **33M** between components **1476** and **1477**.
- **33K** between components **1476** and **1477**.
- **33AD** between components **1476** and **1477**.

If the 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.

Replace the lock (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF090
CONTINUED 2

LEFT-HAND AND RIGHT-HAND "ROOF LOCKED" SENSORS

Note:

These switches are located on the right-hand and left-hand sides of the windscreen frame, component codes **1480** and **1481**.

Check the **condition** and **connection** of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.

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.

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.

Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.

Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.

Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF090
CONTINUED 3

BOOT POSITION SENSOR

Check the **cleanliness** and **condition** of the sensor on the boot hydraulic cylinder, component code **1488**.
Perform the necessary repairs (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting**).

Check the **condition** and **connection** of the boot position sensor connector, component code **1488**.
If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.
Check the **condition** and **cleanliness** of the contacts.
If the connectors are 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** of the following connections:
– **33X** between components **1476** and **1488**.
– **33AA** between components **1476** and **1488**.

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 that status ET029 Boot position sensor changes correctly according to the boot position.
If this is not the case, replace the sensor on the boot hydraulic cylinder (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

<p>DF091 PRESENT OR STORED</p>	<p><u>ROOF/BOOT UNLOCKING (OPENING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.</p>
<p>NOTES</p>	<p>Check that nothing is hindering roof operation. Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the opening direction.</p>
	<p>Use the Technical Note Wiring Diagram for MEGANE II.</p>

LEFT-HAND BOOT LOCK

<p>Check the condition, position and operation of the left-hand boot lock, component code 1478.</p>
<p>Check the condition and connection of the left-hand boot lock connector, component code 1478. If the connectors are 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.</p>
<p>Check for earth on connection MZ of component 1478. 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 the wiring.</p>
<p>Disconnect the retractable roof computer, component code 1476. Check the condition and cleanliness of the contacts. If the connectors are 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.</p>

<p>AFTER REPAIR</p>	<p>Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory. Deal with any other faults.</p>
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UCT_V04_DF091

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF091 CONTINUED 1

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

- **33N** between components **1476** and **1478**
- **33AD** between components **1476** and **1478**
- **33L** between components **1476** and **1478**

If the 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.

Replace the faulty lock (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF091
CONTINUED 2

LEFT-HAND AND RIGHT-HAND "ROOF LOCKED" SENSORS

Note:

These switches are located on the right-hand and left-hand sides of the windscreen frame, component codes **1480** and **1481**.

Check the **condition** and **connection** of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.

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.

Roof not locked, check the insulation between connections **33AC** and **33P** of component **1480**.

Roof not locked, check the insulation between connections **33AC** and **33R** of component **1481**.

Roof locked, check the continuity between connections **33AC** and **33P** of component **1480**.

Roof locked, check the continuity between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.

Clear the **stored** faults using command **RZ001 Fault memory**.

Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF091
CONTINUED 3

BOOT POSITION SENSOR

Check the **cleanliness** and **condition** of the sensor on the boot hydraulic cylinder, component code **1488**.
Perform the necessary repairs (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting**).

Check the **condition** and **connection** of the boot position sensor connector, component code **1488**.
If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.
Check the **condition** and **cleanliness** of the contacts.
If the connectors are 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:
– **33X** between components **1476** and **1488**.
– **33AA** between components **1476** and **1488**.

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 that status **ET029 Boot position sensor** changes correctly according to the boot position.
If this is not the case, replace the sensor on the boot hydraulic cylinder (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

<p>DF092 PRESENT OR STORED</p>	<p><u>ROOF/BOOT UNLOCKING (OPENING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.</p>
<p>NOTES</p>	<p>Check that nothing is hindering roof operation. Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the opening direction.</p>
	<p>Use the Technical Note Wiring Diagram for MEGANE II.</p>

LEFT-HAND AND RIGHT-HAND BOOT LOCK

<p>Check the condition, position and operation of the left-hand and right-hand boot locks, component codes 1478 and 1477.</p>
<p>Check the condition and connection of the left-hand and right-hand boot lock connectors. If the connectors are 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.</p>
<p>Check for earth on connections MZ and MAQ of components 1478 and 1477. 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 the wiring.</p>
<p>Disconnect the retractable roof computer, component code 1476. Check the condition and cleanliness of the contacts. If the connectors are 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.</p>
<p>Check the insulation, continuity and the absence of interference resistance of the following connections:</p> <ul style="list-style-type: none"> – 33N between components 1476 and 1478 – 33M between components 1476 and 1477 – 33AD between components 1476 and 1477 – 33AD between components 1476 and 1478 <p>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.</p>
<p>Replace the faulty lock(s) (see MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting).</p>

<p>AFTER REPAIR</p>	<p>Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory. Deal with any other faults.</p>
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

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DF092 CONTINUED 1

LEFT-HAND AND RIGHT-HAND "ROOF LOCKED" SENSORS

Note:

These switches are located on the right-hand and left-hand side of the windscreen frame.

Check the **condition** and **connection** of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.

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.

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.

Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.

Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.

Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.

Clear the **stored** faults using command **RZ001 Fault memory**.

Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

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DF092
CONTINUED 2

BOOT POSITION SENSOR

Check the **cleanliness** and **condition** of the sensor on the boot hydraulic cylinder, component code **1488**.
Perform the necessary repairs (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting**).

Check the **condition** and **connection** of the boot position sensor connector, component code **1488**.
If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.
Check the **condition** and **cleanliness** of the contacts.
If the connectors are 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** of the following connections:
– **33X** between components **1476** and **1488**.
– **33AA** between components **1476** and **1488**.

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 that status **ET029 Boot position sensor** changes correctly according to the boot position.
If this is not the case, replace the sensor on the boot hydraulic cylinder (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

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DF093 PRESENT OR STORED	<u>ROOF/BOOT UNLOCKING (OPENING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the opening direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

RIGHT-HAND BOOT LOCK

Check the condition , position and operation of the right-hand boot lock, component code 1477 .
Check the condition and connection of the right-hand boot lock connector, component code 1477 . If the connectors are 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 connections MAQ of component 1477 . 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 the wiring.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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 another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

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DF093
CONTINUED 1

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

- **33M** between components **1476** and **1477**.
- **33K** between components **1476** and **1477**.
- **33AD** between components **1476** and **1477**.

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 lock (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

DF093 CONTINUED 2

RIGHT-HAND AND LEFT-HAND "ROOF LOCKED" SENSOR

Note:

These switches are located on the windscreen frame on the right-hand and left-hand sides, component codes **1480** and **1481**.

Check the **condition** and **connection** of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.

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.

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.

Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.

Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.

Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.

Clear the **stored** faults using command **RZ001 Fault memory**.

Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF093
CONTINUED 3

BOOT POSITION SENSOR

Check the **cleanliness** and **condition** of the sensor on the boot hydraulic cylinder, component code **1488**.
Perform the necessary repairs (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting**).

Check the **connection** and **condition** of the boot position sensor connector, component code **1488**.
If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.
Check the condition and cleanliness of the contacts.
If the connectors are 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** of the following connections:
– **33X** between components **1476** and **1488**.
– **33AA** between components **1476** and **1488**

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 that status **ET029 Boot position sensor** changes correctly according to the boot position.
If this is not the case, replace the sensor (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

DF094 PRESENT OR STORED	ROOF/BOOT UNLOCKING (OPENING PHASE) 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation. Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the opening direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

LEFT-HAND BOOT LOCK

Check the condition , position and operation of the left-hand boot lock, component code 1478 .
Check the condition and connection of the left-hand boot lock connector, component code 1478 . If the connectors are 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 1478 . 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 the wiring.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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 of the following connections: – 33N between components 1476 and 1478 . – 33AD between components 1476 and 1478 . – 33L between components 1476 and 1478 . 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 faulty lock (see MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting).
If the fault persists, contact your Techline.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

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DF094
CONTINUED 1

LEFT-HAND AND RIGHT-HAND "ROOF LOCKED" SENSORS

Note:

These switches are located on the windscreen frame on the right-hand and left-hand sides, component codes **1480** and **1481**.

Check the **condition** and **connection** of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.

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.

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.

Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.

Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.

Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.

Clear the **stored** faults using command **RZ001 Fault memory**.

Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF094
CONTINUED 2

BOOT POSITION SENSOR

Check the **cleanliness** and **condition** of the sensor on the boot hydraulic cylinder, component code **1488**.
Perform the necessary repairs (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting**).

Check the **connection** and **condition** of the boot position sensor connector, component code **1488**.
If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.
Check the **condition** and **cleanliness** of the contacts.
If the connectors are 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** of the following connections:
– **33X** between components **1476** and **1488**.
– **33AA** between components **1476** and **1488**.

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 that status **ET029 Boot position sensor** changes correctly according to the boot position.
If this is not the case, replace the sensor on the boot hydraulic cylinder (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

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DF095 PRESENT OR STORED	<u>BOOT OPENING (OPENING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation. Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the opening direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

BOOT POSITION SENSOR

Check the cleanliness and condition of the sensor on the boot hydraulic cylinder, component code 1488 . Perform the necessary repairs (see MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting).
Check the connection and condition of the boot position sensor connector, component code 1488 . If the connectors are 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.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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 of the following connections: – 33X between components 1476 and 1488 . – 33AA between components 1476 and 1488 . 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 that status ET029 Boot position sensor changes correctly according to the boot position. If this is not the case, replace the sensor on the boot hydraulic cylinder (see MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting).
If the fault persists, contact your Techline.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

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DF096 PRESENT OR STORED	<u>BOOT OPENING (OPENING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the opening direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

LEFT-HAND AND RIGHT-HAND "ROOF LOCKED" SENSORS

Note:

These switches are located on the windscreen frame on the right-hand and left-hand sides, component codes **1480** and **1481**.

Check the **condition** and **connection** of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**
- **33AC** between components **1476** and **1480**

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.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF096
CONTINUED 1

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.
Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.
Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.
Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

DF096 CONTINUED 2

BOOT POSITION SENSOR

Check the **cleanliness** and **condition** of the sensor on the boot hydraulic cylinder, component code **1488**.
Perform the necessary repairs (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting**).

Check the **connection** and **condition** of the boot position sensor connector, component code **1488**.
If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.
Check the **condition** and **cleanliness** of the contacts.
If the connectors are 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** of the following connections:
– **33X** between components **1476** and **1488**.
– **33AA** between components **1476** and **1488**.

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 that status **ET029 Boot position sensor** changes correctly according to the boot position.
If this is not the case, replace the sensor on the boot hydraulic cylinder (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

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<p>DF097 PRESENT OR STORED</p>	<p><u>BOOT OPENING (OPENING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.</p>
<p>NOTES</p>	<p>Check that nothing is hindering roof operation.</p>
	<p>Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the opening direction.</p>
	<p>Use the Technical Note Wiring Diagram for MEGANE II.</p>

LEFT-HAND AND RIGHT-HAND "ROOF LOCKED" SENSORS

Note:

These switches are located on the windscreen frame on the right-hand and left-hand sides, component codes **1480** and **1481**.

Check the condition and connection of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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.

<p>AFTER REPAIR</p>	<p>Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory. Deal with any other faults.</p>
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

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DF097 CONTINUED

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

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.

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.

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.

Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.

Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.

Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

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DF098 PRESENT OR STORED	ROOF OPENING (OPENING PHASE) 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the opening direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

RIGHT-HAND AND LEFT-HAND "ROOF UNLOCKED" SENSOR

Note:

These switches are located on the windscreen frame on the right-hand and left-hand sides, component codes **1480** and **1481**.

Check the **condition** and **connection** of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.

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.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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UCT_V04_DF098

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF098 CONTINUED

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.
Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.
Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.
Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

ROOF POSITION SENSOR

Check the **cleanliness** and **condition** of the sensor on the roof hydraulic cylinder, component code **1489**.
Check that there are no metal objects on the hydraulic cylinder or on the sensor.
Perform the necessary repairs (see **MR 364, Mechanical, 87E, Retractable roof - Position sensor on roof hydraulic cylinder: Removal - Refitting**).

Check the **connection** and **condition** of the roof position sensor connector, component code **1489**.
Repair if necessary (see **MR 364, Mechanical, 87E, Retractable roof - Position sensor on roof hydraulic cylinder: Removal - Refitting**).

Disconnect the retractable roof computer, component code **1476**.
Check the **condition** and **cleanliness** of the contacts.
If the connectors are 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** of the following connections:
– **33Y** between components **1476** and **1489**.
– **33Z** between components **1476** and **1489**.

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 that status **ET007 Retractable roof** changes correctly according to the roof position.
If this is not the case, replace the sensor (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on roof hydraulic cylinder: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF099 PRESENT OR STORED	<u>ROOF OPENING (OPENING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the opening direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

RIGHT-HAND AND LEFT-HAND "ROOF UNLOCKED" SENSOR

Note:

These switches are located on the windscreen frame on the right-hand and left-hand sides, component codes **1480** and **1481**.

Check the **condition** and **connection** of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.

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.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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UCT_V04_DF099

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

**DF099
CONTINUED**

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.
Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.
Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.
Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

ROOF POSITION SENSOR

Check the **cleanliness** and **condition** of the sensor on the roof hydraulic cylinder, component code **1489**.
Check that there are no metal objects on the hydraulic cylinder or on the sensor.
Perform the necessary repairs (see **MR 364, Mechanical, 87E, Retractable roof - Position sensor on roof hydraulic cylinder: Removal - Refitting**).

Check the **connection** and **condition** of the roof position sensor connector, component code 1489.
Repair if necessary (see **MR 364, Mechanical, 87E, Retractable roof - Position sensor on roof hydraulic cylinder: Removal - Refitting**).

Disconnect the retractable roof computer, component code **1476**.
Check the **condition** and **cleanliness** of the contacts.
If the connectors are 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:
– **33Y** between components **1476** and **1489**.
– **33Z** between components **1476** and **1489**.

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 that status **ET007 Retractable roof** changes correctly according to the roof position.
If this is not the case, replace the sensor (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on roof hydraulic cylinder: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF101 PRESENT OR STORED	<u>BOOT CLOSING (OPENING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the opening direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

BOOT POSITION SENSOR

Check the cleanliness and condition of the sensor on the boot hydraulic cylinder, component code 1488. Perform the necessary repairs (see MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting).
Check the connection and condition of the boot position sensor connector, component code 1488 . If the connectors are 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.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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 of the following connections: – 33X between components 1476 and 1488 . – 33AA between components 1476 and 1488 . 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.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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UCT_V04_DF101

**DF101
CONTINUED**

Check that status **ET029 Boot position sensor** changes correctly according to the boot position.
If this is not the case, replace the sensor on the boot hydraulic cylinder (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF102 PRESENT OR STORED	<u>BOOT CLOSING (OPENING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the opening direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

LEFT-HAND AND RIGHT-HAND BOOT LOCKS

Check the condition , position and operation of the left-hand and right-hand boot locks, component codes 1478 and 1477 .
Check the condition and connection of the left-hand and right-hand boot lock connectors. If the connectors are 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 connections MZ and MAQ of components 1478 and 1477 . 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 the wiring.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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 another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF102 CONTINUED

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

- **33N** between components **1476** and **1478**.
- **33M** between components **1476** and **1477**.
- **33AD** between components **1476** and **1477**.
- **33AD** between components **1476** and **1478**.

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 faulty lock(s) (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF103 PRESENT OR STORED	<u>BOOT CLOSING (OPENING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the opening direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

LEFT-HAND BOOT LOCK

Check the condition , position and operation of the left-hand boot lock, component code 1478 .
Check the condition and connection of the left-hand boot lock connector, component code 1478 . If the connectors are 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 1478 . 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 the wiring.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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 of the following connections: – 33N between components 1476 and 1478 . – 33AD between components 1476 and 1478 . – 33L between components 1476 and 1478 . 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.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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**DF103
CONTINUED**

Replace the faulty lock (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF104 PRESENT OR STORED	<u>BOOT CLOSING (OPENING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the opening direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

RIGHT-HAND BOOT LOCK

Check the condition , position and operation of the right-hand boot lock, component code 1477 .
Check the condition and connection of the right-hand boot lock connector, component code 1477 . If the connectors are 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 connections MAQ of component 1477 . 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 the wiring.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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 of the following connections: – 33M between components 1476 and 1477 . – 33K between components 1476 and 1477 . – 33AD between components 1476 and 1477 . 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.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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UCT_V04_DF104

**DF104
CONTINUED**

Replace the lock (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF106 PRESENT OR STORED	<u>BOOT UNLOCKING (CLOSING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the closing direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

LEFT-HAND AND RIGHT-HAND BOOT LOCKS

Check the condition , position and operation of the left-hand and right-hand boot locks, component codes 1478 and 1477 .
Check the condition and operation of the left and right-hand boot locks. If the connectors are 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 connections MZ and MAQ of components 1478 and 1477 . 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 the wiring.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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 another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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UCT_V04_DF106

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF106 CONTINUED

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

- **33N** between components 1476 and **1478**.
- **33M** between components 1476 and **1477**.
- **33AD** between components 1476 and **1477**.
- **33AD** between components 1476 and **1478**.

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 faulty lock(s) (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF107 PRESENT OR STORED	<u>BOOT UNLOCKING (CLOSING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the closing direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

LEFT-HAND BOOT LOCK

Check the condition, position and operation of the left-hand boot lock, component code 1478 .
Check the condition and connection of the left-hand boot lock connector, component code 1478 . If the connectors are 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 1478 . 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 the wiring.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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: – 33N between components 1476 and 1478 . – 33AD between components 1476 and 1478 . – 33L between components 1476 and 1478 . 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.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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**DF107
CONTINUED**

Replace the faulty lock (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF108 PRESENT OR STORED	<u>BOOT UNLOCKING (CLOSING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the closing direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

RIGHT-HAND BOOT LOCK

Check the condition , position and operation of the right-hand boot lock, component code 1477 .
Check the condition and connection of the right-hand boot lock connector, component code 1477 . If the connectors are 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 connections MAQ of component 1477 . 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 the wiring.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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 of the following connections: – 33M between components 1476 and 1477 . – 33K between components 1476 and 1477 . – 33AD between components 1476 and 1477 . 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.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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UCT_V04_DF108

**DF108
CONTINUED**

Replace the lock (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF109 PRESENT OR STORED	<u>BOOT OPENING (CLOSING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the closing direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

BOOT POSITION SENSOR

Check the cleanliness and condition of the sensor on the boot hydraulic cylinder, component code 1488 . Perform the necessary repairs (see MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting).
Check the connection and condition of the boot position sensor connector, component code 1488 . If the connectors are 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.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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 of the following connections: – 33X between components 1476 and 1488 . – 33AA between components 1476 and 1488 . 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 that status ET029 Boot position sensor changes correctly according to the boot position. If this is not the case, replace the sensor on the boot hydraulic cylinder (see MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting).
If the fault persists, contact your Techline.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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UCT_V04_DF109

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

<p>DF115 PRESENT OR STORED</p>	<p><u>BOOT CLOSING (CLOSING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.</p>
<p>NOTES</p>	<p>Check that nothing is hindering roof operation.</p>
	<p>Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the closing direction.</p>
	<p>Use the Technical Note Wiring Diagram for MEGANE II.</p>

LEFT-HAND AND RIGHT-HAND BOOT LOCKS

<p>Check the condition, position and operation of the left-hand and right-hand boot locks, component codes 1478 and 1477.</p>
<p>Check the condition and connection of the left-hand and right-hand boot lock connectors. If the connectors are 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.</p>
<p>Check for earth on connections MZ and MAQ of components 1478 and 1477. 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 the wiring.</p>
<p>Disconnect the retractable roof computer, component code 1476. Check the condition and cleanliness of the contacts. If the connectors are 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.</p>

<p>AFTER REPAIR</p>	<p>Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory. Deal with any other faults.</p>
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF115 CONTINUED 1

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

- **33N** between components **1476** and **1478**.
- **33M** between components **1476** and **1477**.
- **33AD** between components **1476** and **1477**.
- **33AD** between components **1476** and **1478**.

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 faulty lock(s) (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF115 CONTINUED 2

LEFT-HAND AND RIGHT-HAND "ROOF LOCKED" SENSOR

Note:

These switches are located on the right-hand and left-hand side of the windscreen frame.

Check the **condition** and **connection** of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.

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.

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.

Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.

Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.

Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.

Clear the **stored** faults using command **RZ001 Fault memory**.

Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF115
CONTINUED 3

LUGGAGE COMPARTMENT HALL EFFECT SENSOR

Check the **cleanliness** and **condition** of the sensor on the boot hydraulic cylinder, component code **1488**.
Perform the necessary repairs (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting**).

Check the **condition** and **connection** of the boot position sensor connector, component code **1488**.
If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.
Check the **condition** and **cleanliness** of the contacts.
If the connectors are 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** of the following connections:
– **33X** between components **1476** and **1488**.
– **33AA** between components **1476** and **1488**.

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 that status **ET029 Boot position sensor** changes correctly according to the boot position.
If this is not the case, replace the sensor on the boot hydraulic cylinder (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF116 DF117 PRESENT OR STORED	<u>BOOT CLOSING (CLOSING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the closing direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

LEFT-HAND AND RIGHT-HAND BOOT LOCKS

Check the condition , position and operation of the left-hand and right-hand boot locks, component codes 1478 and 1477 .
Check the condition and connection of the left-hand and right-hand boot lock connectors. If the connectors are 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 connections MZ and MAQ of components 1478 and 1477 . 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 the wiring.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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 another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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UCT_V04_DF116/UCT_V04_DF117

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF116
DF117
CONTINUED 1

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

- **33N** between components 1476 and **1478**.
- **33M** between components 1476 and **1477**.
- **33AD** between components 1476 and **1477**.
- **33AD** between components 1476 and **1478**.

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 faulty lock(s) (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF116
DF117
CONTINUED 2

LEFT-HAND AND RIGHT-HAND "ROOF LOCKED" SENSOR

Note:

These switches are located on the right-hand and left-hand sides of the windscreen frame, component code **1481** (left-hand), component code **1480** (right-hand).

Check the **condition** and **connection** of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.

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.

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.

Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.

Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.

Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.

Clear the **stored** faults using command **RZ001 Fault memory**.

Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

<p>DF118 PRESENT OR STORED</p>	<p><u>BOOT CLOSING (CLOSING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.</p>
<p>NOTES</p>	<p>Check that nothing is hindering roof operation.</p>
	<p>Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the closing direction.</p>
	<p>Use the Technical Note Wiring Diagram for MEGANE II.</p>

LEFT-HAND AND RIGHT-HAND BOOT LOCKS

<p>Check the condition, position and operation of the left-hand and right-hand boot locks, component codes 1478 and 1477.</p>
<p>Check the condition and connection of the left-hand and right-hand boot lock connectors. If the connectors are 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.</p>
<p>Check for earth on connections MZ and MAQ of components 1478 and 1477. 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 the wiring.</p>
<p>Disconnect the retractable roof computer, component code 1476. Check the condition and cleanliness of the contacts. If the connectors are 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.</p>

<p>AFTER REPAIR</p>	<p>Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory. Deal with any other faults.</p>
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UCT_V04_DF118

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF118 CONTINUED 1

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

- **33N** between components **1476** and **1478**.
- **33M** between components **1476** and **1477**.
- **33AD** between components **1476** and **1477**.
- **33AD** between components **1476** and **1478**.

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 faulty lock(s) (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF118 CONTINUED 2

LEFT-HAND AND RIGHT-HAND "ROOF LOCKED" SENSOR

Note:

These switches are located on the right-hand and left-hand sides of the windscreen frame, component codes **1480** and **1481**.

Check the **condition** and **connection** of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.

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.

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.

Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.

Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.

Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.

Clear the **stored** faults using command **RZ001 Fault memory**.

Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF118
CONTINUED 3

BOOT POSITION SENSOR

Check the **cleanliness** and **condition** of the sensor on the boot hydraulic cylinder, component code **1488**.
Perform the necessary repairs (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting**).

Check the **condition** and **connection** of the boot position sensor connector, component code 1488.
If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.
Check the **condition** and **cleanliness** of the contacts.
If the connectors are 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** of the following connections:
– 33X between components **1476** and **1488**.
– 33AA between components **1476** and **1488**.

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 that status **ET029 Boot position sensor** changes correctly according to the boot position.
If this is not the case, replace the sensor on the boot hydraulic cylinder (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

<p>DF119 PRESENT OR STORED</p>	<p><u>BOOT/ROOF LOCKING (CLOSING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.</p>
<p>NOTES</p>	<p>Check that nothing is hindering roof operation.</p>
	<p>Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the closing direction.</p>
	<p>Use the Technical Note Wiring Diagram for MEGANE II.</p>

LEFT-HAND BOOT LOCK

<p>Check the condition, position and operation of the left-hand boot lock, component code 1478.</p>
<p>Check the condition and connection of the left-hand boot lock connector, component code 1478. If the connectors are 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.</p>
<p>Check for earth on connection MZ of component 1478. 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 the wiring.</p>
<p>Disconnect the retractable roof computer, component code 1476. Check the condition and cleanliness of the contacts. If the connectors are 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.</p>

<p>AFTER REPAIR</p>	<p>Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory. Deal with any other faults.</p>
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UCT_V04_DF119

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF119 CONTINUED 1

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

- **33N** between components **1476** and **1478**.
- **33AD** between components **1476** and **1478**.
- **33L** between components **1476** and **1478**.

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 faulty lock (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF119 CONTINUED 2

LEFT-HAND AND RIGHT-HAND "ROOF LOCKED" SENSOR

Note:

These switches are located on the right-hand and left-hand sides of the windscreen frame, component codes **1480** and **1481**.

Check the **condition** and **connection** of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.

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.

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.

Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.

Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.

Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.

Clear the **stored** faults using command **RZ001 Fault memory**.

Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF120 PRESENT OR STORED	<u>BOOT/ROOF LOCKING (CLOSING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the closing direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

RIGHT-HAND BOOT LOCK

Check the condition , position and operation of the right-hand boot lock, component code 1477 .
Check the condition and connection of the right-hand boot lock connector, component code 1477 . If the connectors are 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 connections MAQ of component 1477 . 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 the wiring.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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 of the following connections: – 33M between components 1476 and 1477 . – 33K between components 1476 and 1477 . – 33AD between components 1476 and 1477 . 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.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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UCT_V04_DF120

DF120
CONTINUED 1

Replace the lock (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF120 CONTINUED 2

LEFT-HAND AND RIGHT-HAND "ROOF LOCKED" SENSOR

Note:

These switches are located on the right-hand and left-hand sides of the windscreen frame, component codes **1480** and **1481**.

Check the **condition** and **connection** of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.

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.

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.

Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.

Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.

Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.

Clear the **stored** faults using command **RZ001 Fault memory**.

Deal with any other faults.

DF121 PRESENT OR STORED	<u>BOOT/ROOF LOCKING (CLOSING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation. Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the closing direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

LEFT-HAND AND RIGHT-HAND "ROOF LOCKED" SENSOR

Note:

These switches are located on the right-hand and left-hand sides of the windscreen frame, component codes **1480** and **1481**.

Check the **condition** and **connection** of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.

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.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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**DF121
CONTINUED**

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.
Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.
Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.
Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF122 PRESENT OR STORED	<u>BOOT/ROOF LOCKING (CLOSING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the closing direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

LEFT-HAND BOOT LOCK

Check the condition , position and operation of the left-hand boot lock, component code 1478 .
Check the condition and connection of the left-hand boot lock connector, component code 1478 . If the connectors are 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 1478 . 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 the wiring.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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 another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF122 CONTINUED

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

- **33N** between components **1476** and **1478**.
- **33AD** between components **1476** and **1478**.
- **33L** between components **1476** and **1478**.

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 faulty lock (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF123 PRESENT OR STORED	<u>BOOT/ROOF LOCKING (CLOSING PHASE)</u> 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the closing direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

RIGHT-HAND BOOT LOCK

Check the condition , position and operation of the right-hand boot lock, component code 1477 .
Check the condition and connection of the right-hand boot lock connector, component code 1477 . If the connectors are 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 connections MAQ of component 1477 . 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 the wiring.
Disconnect the retractable roof computer, component code 1476 . Check the condition and cleanliness of the contacts. If the connectors are 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 of the following connections: – 33M between components 1476 and 1477 . – 33K between components 1476 and 1477 . – 33AD between components 1476 and 1477 . 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.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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**DF123
CONTINUED**

Replace the lock (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

DF124 PRESENT OR STORED	ROLL-HOOP SWITCH 1. DEF: Permanent high level.
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following clearing of the faults and + after ignition feed.
	Use the Technical Note Wiring Diagram for MEGANE II.

<p>Check the condition and connection of the connector of the retractable roof computer, component code 1476, of the automatic roll-hoop computer, component code 1545, of the right-hand and left-hand automatic roll-hoop cassette, component code 1543 and 1544.</p> <p>If the connectors are 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.</p>
<p>Check for earth on connections MZ of components 1545 and 1544.</p> <p>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 the wiring.</p>
<p>Check the insulation, continuity and the absence of interference resistance of the following connections:</p> <ul style="list-style-type: none"> – 162A between components 1476 and 1545. – 162B between components 1476 and 1543. – 162G between components 1543 and 1545. – 162K between components 1543 and 1545. – 162C between components 1543 and 1544. – 162D between components 1544 and 1545. – 162H between components 1544 and 1545. <p>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.</p>
<p>Run fault finding on the safety roll-hoop computer, component code 1545 and roll-hoops, component code 1543 and 1544 (See ALP9 Message "Check roll-hoops", Fault finding chart).</p>
<p>If the fault persists, contact your Techline.</p>

AFTER REPAIR	<p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults using command RZ001 Fault memory.</p> <p>Deal with any other faults.</p>
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF125 PRESENT OR STORED	<u>ROLL-HOOP SWITCH</u> CC.1: Short circuit to + 12 V
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following clearing of the faults and + after ignition feed.
	Use the Technical Note Wiring Diagram for MEGANE II.

<p>Check the condition and connection of the connector of the retractable roof computer, component code 1476, and of the automatic roll-hoop computer, component code 1545.</p> <p>If the connectors are 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.</p>
<p>Check for earth on connections MZ of components 1545.</p> <p>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 the wiring.</p>
<p>Check the insulation, continuity and the absence of interference resistance of the following connections:</p> <ul style="list-style-type: none"> – 162A between components 1476 and 1545. – SP2 between components 260 and 1545. <p>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.</p>
<p>Run fault finding on the safety roll-hoop computer, component code 1545 and roll-hoops, component code 1543 and 1544 (See ALP9 Message "Check roll-hoops", Fault finding chart).</p>
<p>If the fault persists, contact your Techline.</p>

AFTER REPAIR	<p>Carry out another fault finding check on the system.</p> <p>Clear the stored faults using command RZ001 Fault memory.</p> <p>Deal with any other faults.</p>
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF126 PRESENT OR STORED	<u>ROOF SWITCH CIRCUIT CLOSED</u> CC.1: Short circuit to + 12 V
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NOTES	Conditions for applying the fault finding procedure to stored faults: The fault is recorded as present after opening or closing the retractable roof.
	Check that status ET025 "Roof ready for locking" functions correctly in relation to the position of the roof.
	Use the Technical Note Wiring Diagram for MEGANE II .

Note:

These switches are located on the right-hand and left-hand sides of the windscreen frame, component codes **1480** and **1481**.

Check the **condition** and **connection** of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.

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.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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UCT_V04_DF126

**DF126
CONTINUED**

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.
Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.
Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.
Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

<p>DF131 PRESENT OR STORED</p>	<p><u>BOOT POSITION SENSOR</u> CO.0: Open circuit or short circuit to earth CC.1: Short circuit to + 12 V</p>
<p>NOTES</p>	<p>Conditions for applying the fault finding procedure to stored faults: The fault is recorded as present after opening or closing the retractable roof.</p>
	<p>Use the Technical Note Wiring Diagram for MEGANE II.</p>
<p>Check the cleanliness and condition of the sensor on the boot hydraulic cylinder, component code 1488. Perform the necessary repairs (see MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting).</p>	
<p>Check the condition and connection of the boot position sensor connector, component code 1488. If the connectors are 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.</p>	
<p>Disconnect the retractable roof computer, component code 1476. Check the condition and cleanliness of the contacts. If the connectors are 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.</p>	
<p>Check the insulation, continuity and the absence of interference resistance of the following connections: – 33X between components 1476 and 1488. – 33AA between components 1476 and 1488 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.</p>	
<p>Check that status ET029 Boot position sensor changes correctly according to the boot position. If this is not the case, replace the sensor (see MR 364, Mechanical, 87E, Retractable roof, Position sensor on boot lid hydraulic cylinder: Removal - Refitting).</p>	
<p>If the fault persists, contact your Techline.</p>	

<p>AFTER REPAIR</p>	<p>Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory. Deal with any other faults.</p>
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RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF132 PRESENT OR STORED	ROOF CLOSING (CLOSING PHASE) 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the closing direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

LEFT-HAND AND RIGHT-HAND "ROOF UNLOCKED" SENSOR

Note:

These switches are located on the right-hand and left-hand sides of the windscreen frame, component codes **1480** and **1481**.

Check the **condition** and **connection** of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.

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.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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UCT_V04_DF132

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF132 CONTINUED

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.
Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.
Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.
Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

ROOF POSITION SENSOR

Check the **cleanliness** and **condition** of the sensor on the roof hydraulic cylinder, component code **1489**.
Check that there are no metal objects on the hydraulic cylinder or on the sensor.
Perform the necessary repairs (see **MR 364, Mechanical, 87E, Retractable roof - Position sensor on roof hydraulic cylinder: Removal - Refitting**).

Check the **condition** and **connection** of the roof position sensor connector, component code **1489**.
Repair if necessary (see **MR 364, Mechanical, 87E, Retractable roof - Position sensor on roof hydraulic cylinder: Removal - Refitting**).

Disconnect the retractable roof computer, component code **1476**.
Check the **condition** and **cleanliness** of the contacts.
If the connectors are 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** of the following connections:
– **33Y** between components **1476** and **1489**.
– **33Z** between components **1476** and **1489**.

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 that status **ET007 Retractable roof** changes correctly according to the roof position.
If this is not the case, replace the sensor (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on roof hydraulic cylinder: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
Clear the **stored** faults using command **RZ001 Fault memory**.
Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF133 PRESENT OR STORED	ROOF CLOSING (CLOSING PHASE) 1. DEF: The duration of the sequence is considered too long.
NOTES	Check that nothing is hindering roof operation.
	Conditions for applying the fault finding procedure to stored faults: The fault is declared present following action on the retractable roof switch in the closing direction.
	Use the Technical Note Wiring Diagram for MEGANE II .

LEFT-HAND AND RIGHT-HAND "ROOF UNLOCKED" SENSOR

Note:

These switches are located on the right-hand and left-hand sides of the windscreen frame, component codes **1480** and **1481**.

Check the **condition** and **connection** of the "roof locked" position sensor connectors, component code **1480** and **1481**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.

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.

AFTER REPAIR	Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory . Deal with any other faults.
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UCT_V04_DF133

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

DF133 CONTINUED

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.
 Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.
 Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.
 Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault persists, contact your Techline.

ROOF POSITION SENSOR

Check the **cleanliness** and **condition** of the sensor on the roof hydraulic cylinder, component code **1489**.
 Check that there are no metal objects on the hydraulic cylinder or on the sensor.
 Perform the necessary repairs (see **MR 364, Mechanical, 87E, Retractable roof - Position sensor on roof hydraulic cylinder: Removal - Refitting**).

Check the **condition** and **connection** of the roof position sensor connector, component code **1489**.
 Repair if necessary (see **MR 364, Mechanical, 87E, Retractable roof - Position sensor on roof hydraulic cylinder: Removal - Refitting**).

Disconnect the retractable roof computer, component code **1476**.
 Check the **condition** and **cleanliness** of the contacts.
 If the connectors are 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** of the following connections:
 – **33Y** between components **1476** and **1489**.
 – **33Z** between components **1476** and **1489**.

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 that status **ET007 Retractable roof** changes correctly according to the roof position.
 If this is not the case, replace the sensor (see **MR 364, Mechanical, 87E, Retractable roof, Position sensor on roof hydraulic cylinder: Removal - Refitting**).

If the fault persists, contact your Techline.

AFTER REPAIR

Carry out another fault finding check on the system.
 Clear the **stored** faults using command **RZ001 Fault memory**.
 Deal with any other faults.

RETRACTABLE ROOF

Fault finding – Interpretation of faults

87E

<p>DF136 PRESENT OR STORED</p>	<p><u>ROLL-HOOP SWITCH</u> CC.1: Short-circuit on +12 volts.</p>
<p>NOTES</p>	<p>Use the Technical Note Wiring Diagram for MEGANE II.</p>
<p>Check the condition and connection of the connector of the retractable roof computer, component code 1476, and of the automatic roll-hoop computer, component code 1545. If the connectors are 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.</p>	
<p>Check for earth on connections MZ of components 1545. 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 the wiring.</p>	
<p>Check the insulation, continuity and the absence of interference resistance of the following connections:</p> <ul style="list-style-type: none"> – 162A between components 1476 and 1545. – SP2 between components 260 and 1545. <p>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.</p>	
<p>Run fault finding on the safety roll-hoop computer, component code 1545 and roll-hoops, component code 1543 and 1544 (See ALP9 Message "Check roll-hoops", Fault finding chart).</p>	
<p>If the fault persists, contact your Techline.</p>	

<p>AFTER REPAIR</p>	<p>Carry out another fault finding check on the system. Clear the stored faults using command RZ001 Fault memory. Deal with any other faults.</p>
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UCT_V04_DF136

RETRACTABLE ROOF

Fault finding – Conformity check

87E

NOTES

Only check conformity after a full check with the **diagnostic tool**.
Test conditions: Engine stopped, + After ignition feed on.

MAIN SCREEN

Function	Parameter or Status Checked or Action	Display and notes	Fault finding
Supply	ET020: + After ignition feed	PRESENT ABSENT	In the event of a fault, consult the interpretation of fault DF003 Computer supply voltage .
	PR001: Computer feed voltage	8.5 < X <16.5 V	
Roof position	ET033: Position	INVALID Status 1 (roof and boot closed and locked) Status 2 (locking or unlocking locks) Status 3 (roof closed, not locked + boot opening or closing) Status 4 (boot open + roof opening or closing) Status 5 (boot open + roof opening or closing) Status 6 (boot opening or closing) Status 7 (locking or unlocking locks) Status 8 (locking or unlocking boot and roof locks) Status 9 (roof open + boot closed and locked)	If the position displayed on the tool is inconsistent with the position on the vehicle or the position is INVALID , refer to the interpretation of statuses: ET001 Retractable roof switch ET002 Electric windows switch ET005 Front right-hand door ET006 Front left-hand door ET013 Hydraulic pump relay ET014 Boot position ET025 Roof ready to be locked ET028 Roof position sensor ET029 Boot position sensor

RETRACTABLE ROOF

Fault finding – Conformity check

87E**NOTES**

Only check conformity after a full check with the **diagnostic tool**.
Test conditions: Engine stopped, + After ignition feed on.

MAIN SCREEN (continued 1)

Function	Parameter or Status Checked or Action	Display and notes	Fault finding
Switch position	ET001: Retractable roof switch	INACTIVE CLOSING OPENING	In the event of a fault, refer to the interpretation of status ET001 .
	ET002: Electric window switch	INACTIVE CLOSING OPENING	In the event of a fault, consult the interpretation of status ET002 .
Tailgate	ET017: boot partition	CLOSED if boot partition unwound. OPEN if boot partition wound up.	If there is a fault, refer to the interpretation of fault DF011 "Boot partition circuit" .
	ET014: boot position	OPEN or CLOSED	In the event of a fault, consult the interpretation of status ET014 .
Roll-hoops	ET034: Roll-hoops	FIXED/AUTOMATIC/ ACTIVATED	In the event of a fault, check configuration CF001 Roll-hoops , if the fault is still present, run fault finding on the automatic roll-hoop computer (see ALP9 Message "Check roll-hoops" , Fault finding charts).

RETRACTABLE ROOF

Fault finding – Conformity check

87E**NOTES**

Only check conformity after a full check with the **diagnostic tool**.
Test conditions: Engine stopped, + After ignition feed on.

MAIN SCREEN (continued 2)

Function	Parameter or Status Checked or Action	Display and notes	Fault finding
Vehicle speed signal	PR002: Vehicle speed	0 mph	In the event of a fault, run fault finding on the ABS (see 38C, Anti-lock braking system) and multiplex network (see 88B, Multiplexing).
Time	PR003: Roof opening time	approximately 22 seconds	If there is a fault, refer to the interpretation of fault DF026 "Solenoid valve activation time too long" and fault DF025 Hydraulic pump activation time too long .
	PR004: Roof closure time	(excluding time taken to lower and raise windows) Note: The switch must be kept pressed down throughout the entire opening or closing operation.	

RETRACTABLE ROOF

Fault finding – Conformity check

87E

NOTES

Only check conformity after a full check with the **diagnostic tool**.
Test conditions: Engine stopped, + After ignition feed on.

USER SELECTION			
Function	Parameter or Status Checked or Action	Display and notes	Fault finding
Supply	ET020: + After ignition feed	PRESENT ABSENT	In the event of a fault, consult the interpretation of fault DF003 Computer supply voltage.
Roof position	ET033: Position	INVALID Status 1 (roof and boot closed and locked) Status 2 (locking or unlocking locks) Status 3 (roof closed, not locked + boot opening or closing) Status 4 (boot open + roof opening or closing) Status 5 (boot open + roof opening or closing) Status 6 (boot opening or closing) Status 7 (locking or unlocking locks) Status 8 (locking or unlocking boot and roof locks) Status 9 (roof open + boot closed and locked)	If the position displayed on the tool is inconsistent with the position on the vehicle or the position is INVALID , refer to the interpretation of statuses: ET001 Retractable roof switch ET002 Electric windows switch ET005 Front right-hand door ET006 Front left-hand door ET013 Hydraulic pump relay ET014 Boot position ET025 Roof ready to be locked ET028 Roof position sensor ET029 Boot position sensor

RETRACTABLE ROOF

Fault finding – Conformity check

87E

NOTES

Only check conformity after a full check with the **diagnostic tool**.
Test conditions: Engine stopped, + After ignition feed on.

USER SELECTION (continued 1)

Function	Parameter or Status Checked or Action	Display and notes	Fault finding
Switch position	ET002: Electric window switch	INACTIVE CLOSING OPENING	In the event of a fault, consult the interpretation of status ET002 .
	ET001: Retractable roof switch	INACTIVE CLOSING OPENING	If there is a fault, refer to the interpretation of status ET001 .
Opening elements	ET006: Front left-hand door	OPEN or CLOSED	If there is a fault, refer to the interpretation of status ET006 .
	ET005: Front right-hand door	OPEN or CLOSED	If there is a fault, refer to the interpretation of status ET005 .
Boot partition	ET017: Boot partition	CLOSED if boot partition unwound. OPEN if boot partition wound up.	In the event of a fault, refer to the interpretation of fault DF011 Boot partition switch circuit .
Opening elements	ET014: Boot position	OPEN or CLOSED	In the event of a fault, consult the interpretation of status ET014 .
Opening elements	ET014: Boot position	OPEN or CLOSED	In the event of a fault, consult the interpretation of status ET014 .

RETRACTABLE ROOF

Fault finding – Conformity check

87E

NOTES

Only check conformity after a full check with the **diagnostic tool**.
Test conditions: Engine stopped, + After ignition feed on.

USER SELECTION (continued 2)

Function	Parameter or Status Checked or Action	Display and notes	Fault finding
Roof locking	ET008: Roof locked	YES/NO	If there is a fault, refer to the interpretation of fault DF024 "Roof locked switch" .
Special	AC004: Lower electric windows	Command allowing all four electric windows to be lowered at the same time.	In the event of a fault, consult the procedure for dealing with command AC004 .
	AC005: Raise electric windows	Command allowing all four electric windows to be raised at the same time.	In the event of a fault, consult the procedure for dealing with command AC005 .
Vehicle speed signal	PR002: Vehicle speed	0 mph	If this parameter indicates 393.21 mph (655.35 km/h) , run fault finding on the ABS (see 38C, Anti-lock braking system) and multiplex network (see 88B, Multiplexing).
Time	PR004: Roof closure time	approximately 22 seconds (excluding time taken to raise and lower window)	In the event of a fault, refer to the interpretation of fault DF026 Solenoid valve activation time too long and fault DF025 Hydraulic pump activation time too long
	PR003: Roof opening time	Note: The switch must be kept pressed down throughout the entire opening or closing operation.	
System operation	ET030: System operation	NORMAL STOPPED SAFE DEFECT MODE FAULTY	If the status indicates FAULTY, STOPPED, SAFE MODE or DEFECT MODE , refer to the interpretation of status ET030 .

RETRACTABLE ROOF

Fault finding – Conformity check

87E

NOTES

Only check conformity after a full check with the **diagnostic tool**.
Test conditions: Engine stopped, + After ignition feed on.

ROOF / BOOT MECHANISM			
Function	Parameter or Status Checked or Action	Display and notes	Fault finding
Supply	ET020: + After ignition feed	PRESENT ABSENT	In the event of a fault, consult the interpretation of fault DF003 Computer supply voltage .
Boot locks	ET016: Boot left-hand lock	CLOSED OPEN if boot is open to store the roof.	In the event of a fault, consult the interpretation of faults DF012 Left-hand boot lock switch circuit and DF013 Right-hand boot lock switch circuit .
	ET015: Boot right-hand lock	CLOSED OPEN if boot is open to store the roof.	
Roof locking	ET025: Roof ready to be locked	NO , if roof is stored in the boot or roof is locked. YES , just before locking the roof.	In the event of a fault, refer to the interpretation of status ET025 .
	ET008: Roof locked	YES/NO	If there is a fault, refer to the interpretation of fault DF024 "Roof locked switch" .
Position sensors	ET028: Roof position sensor	OPEN / CLOSED	In the event of a fault, consult the interpretation of status ET028 .
	ET029: Boot position sensor	OPEN / CLOSED	In the event of a fault, refer to the interpretation of status ET029 .
Roll-hoops	ET034: Roll-hoops	FIXED/AUTOMATIC/ ACTIVATED	In the event of a fault, check configuration CF001 Roll-hoops , if the fault is still present, run fault finding on the automatic roll-hoop computer (see ALP9 Message "Check roll-hoops" , Fault finding charts).

RETRACTABLE ROOF

Fault finding – Conformity check

87E**NOTES**

Only check conformity after a full check with the **diagnostic tool**.
Test conditions: Engine stopped, + After ignition feed on.

ROOF / BOOT MECHANISM (continued)

Function	Parameter or Status Checked or Action	Display and notes	Fault finding
Roof position	ET033: Position	INVALID Status 1 (roof and boot closed and locked) Status 2 (locking or unlocking locks) Status 3 (roof closed, not locked + boot opening or closing) Status 4 (boot open + roof opening or closing) Status 5 (boot open + roof opening or closing) Status 6 (boot opening or closing) Status 7 (locking or unlocking locks) Status 8 (locking or unlocking boot and roof locks) Status 9 (roof open + boot closed and locked)	If the position displayed on the tool is inconsistent with the position on the vehicle or the position is INVALID , refer to the interpretation of statuses: ET001 Retractable roof switch ET002 Electric windows switch ET005 Front right-hand door ET006 Front left-hand door ET013 Hydraulic pump relay ET014 Boot position ET025 Roof ready to be locked ET028 Roof position sensor ET029 Boot position sensor

RETRACTABLE ROOF

Fault finding – Conformity check

87E

NOTES

Only check conformity after a full check with the **diagnostic tool**.
Test conditions: Engine stopped, + After ignition feed on.

RETRACTABLE ROOF POWER*

Function	Parameter or Status Checked or Action	Display and notes	Fault finding
Supply	ET020: + After ignition feed	PRESENT ABSENT	In the event of a fault, consult the interpretation of fault DF003 Computer supply voltage .
	PR001: Computer feed voltage	8.5 < X <16.5 V	
Switch position	ET001: Retractable roof switch	INACTIVE CLOSING OPENING	If there is a fault, refer to the interpretation of status ET001 .
Hydraulic unit	ET013: Hydraulic pump relay	INACTIVE ACTIVE	In the event of a fault, consult the interpretation of status ET013 .
	ET018: Solenoid valve 1	ACTIVE/INACTIVE	In the event of a fault, consult the interpretation of faults DF017 Solenoid valve circuit 1 and DF018 Solenoid valve circuit 2 .
	ET019: Solenoid valve 2	ACTIVE/INACTIVE	
Time	PR003: Roof opening time	22 seconds (excluding time taken to raise and lower window)	In the event of a fault, consult the interpretation of fault DF026 Solenoid valve activation time too long and fault DF025 Hydraulic pump activation time too long .
	PR004: Roof closure time	Note: The switch must be kept pressed down throughout the entire opening or closing operation.	

*Power = Power

RETRACTABLE ROOF

Fault finding – Conformity check

87E

NOTES

Only check conformity after a full check with the **diagnostic tool**.
Test conditions: Engine stopped, + After ignition feed on.

RETRACTABLE ROOF POWER* (continued)

Function	Parameter or Status Checked or Action	Display and notes	Fault finding
Roof position	ET033: Position	INVALID Status 1 (roof and boot closed and locked) Status 2 (locking or unlocking locks) Status 3 (roof closed, not locked + boot opening or closing) Status 4 (boot open + roof opening or closing) Status 5 (boot open + roof opening or closing) Status 6 (boot opening or closing) Status 7 (locking or unlocking locks) Status 8 (locking or unlocking boot and roof locks) Status 9 (roof open + boot closed and locked)	<p>If the position displayed on the tool is inconsistent with the position on the vehicle or the position is INVALID, refer to the interpretation of statuses:</p> <p>ET001 Retractable roof switch ET002 Electric windows switch ET005 Front right-hand door ET006 Front left-hand door ET013 Hydraulic pump relay ET014 Boot position ET025 Roof ready to be locked ET028 Roof position sensor ET029 Boot position sensor</p>
System operation	ET030: System operation	NORMAL STOPPED SAFE DEFECT MODE FAULTY	<p>If the status indicates FAULTY, STOPPED, SAFE MODE or DEFECT MODE, refer to the interpretation of status ET030.</p>

*Power = Power

RETRACTABLE ROOF

Fault finding – Conformity check

87E

NOTES

Only check conformity after a full check with the **diagnostic tool**.
Test conditions: Engine stopped, + After ignition feed on.

RETRACTABLE ROOF CONTROL

Function	Parameter or Status Checked or Action	Display and notes	Fault finding
Supply	ET020: + After ignition feed	PRESENT ABSENT	In the event of a fault, consult the interpretation of fault DF003 Computer supply voltage .
	PR001: Computer feed voltage	8.5 V < X < 16.5 V	
Switch position	ET002: Electric window switch	INACTIVE CLOSING OPENING	In the event of a fault, consult the interpretation of status ET002 .
	ET001: Retractable roof switch	INACTIVE CLOSING OPENING	If there is a fault, refer to the interpretation of status ET001 .

RETRACTABLE ROOF

Fault finding – Conformity check

87E**NOTES**

Only check conformity after a full check with the **diagnostic tool**.
Test conditions: Engine stopped, + After ignition feed on.

RETRACTABLE ROOF CONTROL (continued 1)

Function	Parameter or Status Checked or Action	Display and notes	Fault finding
Roof position	ET033: Position	INVALID Status 1 (roof and boot closed and locked) Status 2 (locking or unlocking locks) Status 3 (roof closed, not locked + boot opening or closing) Status 4 (boot open + roof opening or closing) Status 5 (boot open + roof opening or closing) Status 6 (boot opening or closing) Status 7 (locking or unlocking locks) Status 8 (locking or unlocking boot and roof locks) Status 9 (roof open + boot closed and locked)	If the position displayed on the tool is inconsistent with the position on the vehicle or the position is INVALID , refer to the interpretation of statuses: ET001 Retractable roof switch ET002 Electric windows switch ET005 Front right-hand door ET006 Front left-hand door ET013 Hydraulic pump relay ET014 Boot position ET025 Roof ready to be locked ET028 Roof position sensor ET029 Boot position sensor

RETRACTABLE ROOF

Fault finding – Conformity check

87E

NOTES

Only check conformity after a full check with the **diagnostic tool**.
Test conditions: Engine stopped, + After ignition feed on.

RETRACTABLE ROOF CONTROL (continued 2)

Function	Parameter or Status Checked or Action	Display and notes	Fault finding
Vehicle speed signal	PR002: Vehicle speed	0 mph	In the event of a fault, run fault finding on the ABS (see 38C, Anti-lock braking system) and multiplex network (see 88B, Multiplexing).
Tailgate	ET017: Boot partition	CLOSED if boot partition unwound. OPEN if boot partition wound up.	If there is a fault, refer to the interpretation of fault DF011 "Boot partition circuit" .
	ET014: Boot position	OPEN or CLOSED	In the event of a fault, consult the interpretation of status ET014 .
Position sensors	ET028: Roof position sensor	OPEN / CLOSED	In the event of a fault, consult the interpretation of status ET028 .
	ET029: Boot position sensor	OPEN / CLOSED	In the event of a fault, refer to the interpretation of status ET029 .
Special	AC002: Signal buzzer	This command activates the signal buzzer (1 beep per second).	In the event of a fault, refer to the procedure for dealing with command AC002 .
Operating time	PR003: Roof opening time	approximately 22 seconds (excluding time taken to lower and raise windows) Note: The switch must be kept pressed down throughout the entire opening or closing operation.	In the event of a fault, consult the interpretation of fault DF026 Solenoid valve activation time too long and fault DF025 Hydraulic pump activation time too long
	PR004: Roof closure time		
Commands	AC001: Warning buzzer	This command activates the warning buzzer (lights on reminder type).	In the event of a fault, refer to the procedure for dealing with command AC001 .

RETRACTABLE ROOF

Fault finding – Conformity check

87E

NOTES

Only check conformity after a full check with the **diagnostic tool**.
Test conditions: Engine stopped, + After ignition feed on.

RETRACTABLE ROOF CONTROL (continued 3)

Function	Parameter or Status Checked or Action	Display and notes	Fault finding
Roll-hoops	ET034: Roll-hoops	FIXED/AUTOMATIC/ ACTIVATED	In the event of a fault, check configuration CF001 Roll-hoops , if the fault is still present, run fault finding on the automatic roll-hoop computer (see ALP9 Message "Check roll-hoops" , Fault finding charts).
System operation	ET030: System operation	NORMAL STOPPED SAFE DEFECT MODE FAULTY	If the status indicates FAULTY, STOPPED, SAFE MODE or DEFECT MODE , refer to the interpretation of status ET030 .
Commands	AC012: Instrument panel display "Check roof"	Commands permitting instrument panel display of messages about the retractable roof. Note: The engine must be started for the messages to be displayed on the instrument panel.	In the event of a fault, refer to the procedure for dealing with command AC012 .
	AC010: Instrument panel display "Check roll-hoops"		In the event of a fault, refer to the procedure for dealing with command AC010 .
	AC011: Instrument panel display "Refer to roof handbook"		In the event of a fault, consult the procedure for dealing with command AC011 .
	AC009: Instrument panel display "Stop roof movement"		In the event of a fault, consult the procedure for dealing with command AC009 .

*TDB: Instrument panel

RETRACTABLE ROOF

Fault finding – Status summary table

87E

Tool status	Diagnostic tool title
ET001	Retractable roof switch
ET002	Electric window switch
ET005	Front right-hand door
ET006	Front left-hand door
ET007	Retractable roof
ET008	Roof locked
ET013	Hydraulic pump relay
ET014	Boot position
ET015	Boot right-hand lock
ET016	Boot left-hand lock
ET017	Boot partition
ET018	Solenoid valve 1
ET019	Solenoid valve 2
ET020	+ after ignition feed
ET024	Roof locked
ET025	Roof ready to be locked
ET028	Roof position sensor
ET029	Boot position sensor
ET030	System operation
ET033	Position
ET034	Roll-hoops

ET001	<u>RETRACTABLE ROOF SWITCH</u>
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NOTES	There must be no present or stored faults.
	Use the Technical Note Wiring Diagram for MEGANE II .

The retractable roof switch **status** is **INACTIVE** if the switch is in the rest position, **CLOSING** if the switch is pressed down on the roof closing side and **OPENING** if the switch is pressed down on the roof opening side.

Check the **condition** and **connection** of the retractable roof control connector, component code **1482**.
If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.
Check the **condition** and **cleanliness** of the contacts.
If the connectors are 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 component **1482**.
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 **conformity** of the switch, component code **1482**:

- switch in rest position: insulation between connections **33AB** and **33W** and between connections **33AB** and **33V**
- switch in the down position: continuity and absence of interference resistance between **connections 33AB** and **33W**
- switch in the up position: continuity and absence of interference resistance between **connections 33AB** and **33V**

Replace the switch if the checks are not correct (see **MR 364, Mechanical, 87E, Retractable roof, Retractable roof switch: Removal - Refitting**).

AFTER REPAIR	Repeat the conformity check from the start.
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RETRACTABLE ROOF

Fault finding – Interpretation of statuses

87E

ET001
CONTINUED

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

- **33V** between components **1476** and **1482**.
- **33W** between components **1476** and **1482**.
- **33AB** between components **1476** and **1482**.

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 status does not operate as indicated, replace the switch (see **MR 364, Mechanical, 87E, Retractable roof, Retractable roof switch: Removal - Refitting**).

AFTER REPAIR

Repeat the conformity check from the start.

ET002	<u>ELECTRIC WINDOW SWITCH</u>
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NOTES	There must be no present or stored faults.
	Use the Technical Note Wiring Diagram for MEGANE II .

The electric window switch **status** is **INACTIVE** if the switch is in the rest position, **CLOSING** if the switch is pressed down on the window closing side and **OPENING** if the switch is pressed down on the window opening side.

Check that the electric window switch operates correctly in both the up and down direction.

Check the **condition** and **connection** of the electric window control connector, component code **854**.
If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.
Check the condition and cleanliness of the contacts.
If the connectors are 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 component **854**.
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 the wiring.

Check the **conformity** of the switch, component code **854**.
– switch in rest position: insulation between connections **33AB** and **33T** and between connections **33AB** and **33U**
– switch in the down position: continuity and absence of interference resistance between connections **33AB** and **33T**
– switch in the up position: continuity and absence of interference resistance between connections **33AB** and **33U**
Replace the switch if the checks are not correct (see **MR 364, Mechanical, 87D, Retractable roof, Electric window switches: Removal - Refitting**).

AFTER REPAIR	Repeat the conformity check from the start.
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RETRACTABLE ROOF

Fault finding – Interpretation of statuses

87E

ET002 CONTINUED

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

- 33U between components **1476** and **854**.
- 33T between components **1476** and **854**.
- 33AB between components **1476** and **854**.

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 status does not operate as indicated, replace the switch (see **MR 364, Mechanical, 87D, Retractable roof, Electric window switches: Removal - Refitting**).

AFTER REPAIR

Repeat the conformity check from the start.

ET005	<u>FRONT RIGHT-HAND DOOR</u>
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NOTES	There must be no present or stored faults. Check that no UCH faults are present or stored.
	Use the Technical Note Wiring Diagram for MEGANE II .

The status of the front right-hand door may be OPEN or CLOSED .
Check that the door open or closed signal switch operates correctly in both positions.
Check the condition and connection of the connector of the door open or closed signal switch, component codes 140 (if right-hand drive) and 141 (if left-hand drive). If the connectors are 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 connector of the door open or closed signal switch: – if right-hand drive, on connection MAM of component 140 – if left-hand drive, on connection MAN of component 141 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 condition and connection of the connector of component 645 (UCH). If the connectors are 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 of the following connections: – 87H between components 140 and 645 , if right-hand drive. – 87G between components 141 and 645 , if left-hand drive. 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.

AFTER REPAIR	Repeat the conformity check from the start.
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**ET005
CONTINUED**

For a right-hand drive vehicle, check:

The **insulation** of the lock switch between connections **87H** and **MAM** of component **140** (door open).

The **continuity** of the lock switch between connections **87H** and **MAM** of component **140** (door closed).

For a left-hand drive vehicle, check:

The **insulation** of the lock switch between connections **87G** and **MAN** of component **141** (door open).

The **continuity** of the lock switch between connections **87G** and **MAN** of component **141** (door closed).

Replace the faulty lock (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

If the fault is still present, contact Techline.

AFTER REPAIR

Repeat the conformity check from the start.

ET006	<u>FRONT LEFT-HAND DOOR</u>
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NOTES	There must be no present or stored faults. Check that no UCH faults are present or stored.
	Use the Technical Note Wiring Diagram for MEGANE II .

The status of the front right-hand door may be OPEN or CLOSED .
Check that the door open or closed signal switch operates correctly in both positions.
Check the condition and connection of the connector of the door open or closed signal switch, component codes 140 (if right-hand drive) and 141 (if left-hand drive). If the connectors are 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 connector of the door open or closed signal switch: – if right-hand drive, on connection MAM of component 140 – if left-hand drive, on connection MAN of component 141 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 condition and connection of the connector of component 645 (UCH). If the connectors are 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 of the following connections: – 87H between components 140 and 645 , if right-hand drive. – 87G between components 141 and 645 , if left-hand drive. 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.

AFTER REPAIR	Repeat the conformity check from the start.
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RETRACTABLE ROOF

Fault finding – Interpretation of statuses

87E

ET006
CONTINUED

For a right-hand drive vehicle, check:

The **insulation** of the lock switch between connections **87H** and **MAM** of component **140** (door open).

The **continuity** of the lock switch between connections **87H** and **MAM** of component **140** (door closed).

For a left-hand drive vehicle, check:

The **insulation** of the lock switch between connections **87G** and **MAN** of component **141** (door open).

The **continuity** of the lock switch between connections **87G** and **MAN** of component **141** (door closed).

Replace the faulty lock (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting**).

If the fault is still present, contact Techline.

AFTER REPAIR

Repeat the conformity check from the start.

ET013	<u>HYDRAULIC PUMP RELAY</u>
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NOTES	There must be no present or stored faults.
	Use the Technical Note Wiring Diagram for MEGANE II .

The **condition** of the hydraulic pump relay may be **ACTIVE** or **INACTIVE**.

Check that the **status** is **ACTIVE** during the entire movement of the roof and changes to **INACTIVE** at the end of the movement when the retractable roof switch has been released.

Check the **condition** and **connection** of the hydraulic pump relay, component code **1487**.

If the connectors are 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.

Disconnect the retractable roof computer, component code **1476**.

Check the **condition** and **cleanliness** of the contacts.

If the connectors are 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 **MY** of component **1487**.

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 **condition** and **connection** of the retractable roof computer connector, component code **1476**.

If the connectors are 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** of the following connections:

- **33D** between components **1476** and **1487**.
- **33G** between components **1476** and **1487**.
- **33H** between components **1476** and **1487**.

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.

AFTER REPAIR	Repeat the conformity check from the start.
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**ET013
CONTINUED**

With the relay idle, check:

- the resistance between connections **33D** and **33G** of component **1487**: **R = 65 Ω**
- the insulation between connections **33H** and **BP51** of component **1487**

With the relay supplied, check:

- the continuity between connections **33H** and **BP51** of component **1487**

Replace the relay if the checks are not correct (see **MR 364, Mechanical, 87E, Retractable roof, Hydraulic pump relay: Removal - Refitting**).

If the fault is still present, contact Techline.

AFTER REPAIR

Repeat the conformity check from the start.

RETRACTABLE ROOF

Fault finding – Interpretation of statuses

87E

ET014	<u>BOOT POSITION</u>
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NOTES	There must be no present or stored faults.
	Use the Technical Note Wiring Diagram for MEGANE II .

The status of the boot may be " OPEN " or " CLOSED ".
Check that the boot opens and closes correctly.
Check the condition and connection of the UCH connector, component code 645 . If the connectors are 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 tailgate lock connector, component code 1322 . If the connectors are 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, component code 645 . If the connectors are 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: – 87T between components 1322 and 645 . 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 the wiring.
Check: The insulation of the tailgate lock switch between connections 87T and MZ of component 1322 . The continuity of the tailgate lock switch between connections 87T and MZ of component 1322 . Replace the lock if it is not correct (see MR 365, Bodywork, 52A, Non-side opening element mechanism, Retractable roof boot lid locking: Removal - Refitting).
If the fault is still present, contact Techline.

AFTER REPAIR	Repeat the conformity check from the start.
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RETRACTABLE ROOF

Fault finding – Interpretation of statuses

87E

ET025	<u>ROOF READY TO BE LOCKED</u>
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NOTES	There must be no present or stored faults.
	Use the Technical Note Wiring Diagram for MEGANE II .

YES = Roof closed, ready to be locked or locked.
NO = Roof not present on the windscreen frame.

Check that nothing impairs the operation of the sensors, component code **1480** and **1481** (located on the right-hand and left-hand sides of the windscreen frame).

Check the **condition** and **connection** of the connectors of the "roof ready to be locked" sensors, component code **1481** (left-hand side sensor) and component code **1480** (right-hand side sensor).
If the connectors are 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 retractable roof computer connector, component code **1476**.
If the connectors are 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** of the following connections:

- **33P** between components **1476** and **1480**.
- **33R** between components **1476** and **1481**.
- **33AC** between components **1476** and **1480**.
- **33AC** between components **1476** and **1481**.

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.

Roof not locked, check the **insulation** between connections **33AC** and **33P** of component **1480**.
Roof not locked, check the **insulation** between connections **33AC** and **33R** of component **1481**.
Roof locked, check the **continuity** between connections **33AC** and **33P** of component **1480**.
Roof locked, check the **continuity** between connections **33AC** and **33R** of component **1481**.

If the fault is still present, contact Techline.

AFTER REPAIR	Repeat the conformity check from the start.
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RETRACTABLE ROOF

Fault finding – Interpretation of statuses

87E

ET028	<u>ROOF POSITION SENSOR</u>
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NOTES	There must be no present or stored faults.
	Use the Technical Note Wiring Diagram for MEGANE II .

The status of the roof may be " OPEN " or " CLOSED ".
The roof open or closed signal is transmitted by the roof position sensor on the left-hand side roof hydraulic cylinder.
Check the condition and connection of the roof position sensor connector, component code 1489 . If the connectors are 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 that the sensor is clean.
Check the condition and connection of the retractable roof computer connector, component code 1476 . If the connectors are 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: – 33Y between components 1476 and 1489 . – 33Z between components 1476 and 1489 . 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 the wiring.
If the fault is still present, contact Techline.

AFTER REPAIR	Repeat the conformity check from the start.
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ET029	<u>BOOT POSITION SENSOR</u>
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NOTES	There must be no present or stored faults.
	Use the Technical Note Wiring Diagram for MEGANE II .

The status of the boot may be " OPEN " or " CLOSED ".
The boot open or closed signal is transmitted by the boot position sensor on the left-hand side boot hydraulic cylinder.
Check the condition and connection of the boot position sensor connector, component code 1488 . If the connectors are 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 that the sensor is clean.
Check the condition and connection of the retractable roof computer connector, component code 1476 . If the connectors are 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: – 33X between components 1476 and 1488 . – 33AA between components 1476 and 1488 . 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 the wiring.
If the fault is still present, contact Techline.

AFTER REPAIR	Repeat the conformity check from the start.
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ET030	<u>SYSTEM OPERATION</u>
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NOTES	Deal with the faults present on the system first and check that all the sensors operate correctly.
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System operation may be:

- **"NORMAL"**,
- **"FAULTY"** the roof is immobilised and no longer works at all,
- **"STOPPED"**, a signal or condition required in order to get the roof to work is missing,
- **"SAFETY MODE"**, the roof can only be closed,
- **"DEFECT MODE"**, the roof can only be opened if the boot partition is closed.

If **status ET030** is **"faulty"**, start by clearing all the faults **present** in the system.

If **status ET030** is **"stopped"**, check that all the roof operating conditions are fulfilled.
Check the **operation** of the sensors and switches.

Safe mode may be caused by opening and closing the roof with too little time between each operation (protecting the hydraulic pump from overheating). In this case, leave the system to cool down for **30 minutes**.

AFTER REPAIR	Repeat the conformity check from the start.
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Tool Parameter	Diagnostic tool title
PR001	Computer feed voltage
PR002	Vehicle speed
PR003	roof opening time
PR004	roof closure time

RETRACTABLE ROOF

Fault finding – Command summary table

87E

Tool command	Diagnostic tool title	Description
RZ001	Fault memory.	This command is used to clear the faults stored in the computer.
AC001	Warning buzzer	This command is used to check the operation of the warning buzzer (lights on reminder buzzer type).
AC002	Signal buzzer.	This command is used to check the operation of the signal buzzer (1 beep/second).
AC004	Lower electric windows	This command is used to check the operation of the 4 electric window controls.
AC005	Raise electric windows.	This command is used to check the operation of the 4 electric window controls.
AC009	Instrument panel display "Stop roof movement"	This command is used to check the operation of the message on the instrument panel.
AC010	Instrument panel display "Check roll-hoops"	This command is used to check the operation of the message on the instrument panel.
AC011	Instrument panel display "Refer to roof handbook"	This command is used to check the operation of the message on the instrument panel.
AC012	Instrument panel display "Check roof"	This command is used to check the operation of the message on the instrument panel.

*TDB: Instrument panel

AC001	<u>WARNING BUZZER</u>
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NOTES	Switch on the ignition. No fault should be present or stored in the retractable roof computer.
	Carry out this command with the ignition on and the engine stopped. The buzzer should emit an audible signal.

In the event of a buzzer fault, run fault finding on the instrument panel (see 83A, Instrument panel).
If the fault is still present, contact Techline.

AFTER REPAIR	Repeat the conformity check from the start.
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AC002	<u>SIGNAL BUZZER</u>
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NOTES	No fault should be present or stored in the retractable roof computer.
	Carry out this command with the ignition on and the engine stopped. The buzzer should emit an audible signal.

In the event of a buzzer fault, run fault finding on the instrument panel (see 83A, Instrument panel).
If the fault is still present, contact Techline.

AFTER REPAIR	Repeat the conformity check from the start.
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AC004 AC005	<u>LOWER ELECTRIC WINDOWS</u> <u>RAISE ELECTRIC WINDOWS</u>
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NOTES	No fault should be present or stored in the retractable roof computer.
	Carry out this command with the ignition on and the engine stopped. All four electric windows should raise or lower simultaneously.
	Use the Technical Note Wiring Diagram for MEGANE II .

Check that nothing hinders movement of the windows.
Check that each electric window operates individually by pressing its switch and the switch on the driver's door.

In the UCH*, read the configuration **LC011 Vehicle type**, it should be **Cabriolet**.
If it is not, configure the UCH* through configuration "Vehicle type" (see **87B, Passenger compartment connection unit**).
Check the operation of the electric windows.

If **LC011** does not exist, in the UCH*, use the special command **SC008 UCH type** for which the configuration **Vehicle type** should be "Cabriolet" (see **87B, Passenger compartment connection unit**).
Check the operation of the electric windows.

If the command is still not working, disconnect the connector of the UCH*, component code **645**. Check the **condition** and **cleanliness** of the contacts.
If the connectors are 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 connectors of the rear right-hand, left-hand, driver and passenger electric windows (respective component codes **201, 202, 203, 204**).
If the connectors are 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.

*UCH: Passenger Compartment Central Unit

AFTER REPAIR	Repeat the conformity check from the start.
---------------------	---

UCT_V04_AC004/UCT_V04_AC005

AC004
AC005
CONTINUED

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

- **21K** between components **645** and **201**
- **21K** between components **645** and **202**
- **21K** between components **645** and **203**
- **21K** between components **645** and **204**

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 Techline.

AFTER REPAIR

Repeat the conformity check from the start.

AC009	<u>INSTRUMENT PANEL DISPLAY "STOP ROOF MOVEMENT"</u>
--------------	--

NOTES	<p>Run this command with the engine switched on.</p> <p>No fault should be present or stored in the retractable roof computer.</p>
--------------	--

Run a multiplex network test (see 88B, Multiplex network).
If the problem is not solved, carry out fault finding on the instrument panel (see 83A, Instrument panel).
If the fault is still present, contact Techline.

*TDB: Instrument panel

AFTER REPAIR	Repeat the conformity check from the start.
---------------------	---

AC010	<u>INSTRUMENT PANEL DISPLAY "CHECK ROLL-HOOPS"</u>
--------------	--

NOTES	<p>Run this command with the engine switched on.</p> <p>No fault should be present or stored in the retractable roof computer.</p>
--------------	--

Run a multiplex network test (see 88B, Multiplex network).
If the problem is not solved, carry out fault finding on the instrument panel (see 83A, Instrument panel).
If the fault is still present, contact Techline.

*TDB: Instrument panel

AFTER REPAIR	Repeat the conformity check from the start.
---------------------	---

AC011	<u>INSTRUMENT PANEL DISPLAY "REFER TO ROOF HANDBOOK"</u>
-------	--

NOTES	Run this command with the engine switched on. No fault should be present or stored in the retractable roof computer.
-------	--

Run a multiplex network test (see 88B, Multiplex network).
If the problem is not solved, carry out fault finding on the instrument panel (see 83A, Instrument panel).
If the fault is still present, contact Techline.

*TDB: Instrument panel

AFTER REPAIR	Repeat the conformity check from the start.
--------------	---

UCT_V04_AC011

AC012	<u>INSTRUMENT PANEL DISPLAY "CHECK ROOF"</u>
--------------	--

NOTES	<p>Run this command with the engine switched on.</p> <p>No fault should be present or stored in the retractable roof computer.</p>
--------------	--

Run a multiplex network test (see 88B, Multiplex network).
If the problem is not solved, carry out fault finding on the instrument panel (see 83A, Instrument panel).
If the fault is still present, contact Techline.

*TDB: Instrument panel

AFTER REPAIR	Repeat the conformity check from the start.
---------------------	---

RETRACTABLE ROOF

Fault finding – Customer complaints

87E

NOTES

Only consult these customer complaints after a complete check with the diagnostic tool.

RETRACTABLE ROOF

NO DIALOGUE WITH THE COMPUTER

ALP 1

BOOT LID DOES NOT OPEN

ALP 2

ROOF DOES NOT CLOSE

ALP 3

ROOF DOES NOT OPEN

ALP 4

BOOT LID DOES NOT LOCK

ALP 5

ELECTRIC WINDOWS SIMULTANEOUS CONTROL DOES NOT WORK

ALP 6

NO AUDIBLE SIGNAL WHEN THE ROOF HAS STOPPED MOVING

ALP 7

BOOT NOT OPENING (IN LOADING DIRECTION)

ALP 8

AUTOMATIC ROLL-HOOPS

"CHECK ROLL-HOOPS" MESSAGE

ALP 9

RETRACTABLE ROOF

Fault finding – Fault Finding Chart

87E

ALP 1	No dialogue with the computer
--------------	--------------------------------------

NOTES	Switch on the + after ignition feed.
	Use the Technical Note Wiring Diagram for MEGANE II .
	Dialogue can be established with the retractable roof computer but never with the automatic roll-hoop computer.

Try to establish dialogue with a computer on another vehicle to make sure that the diagnostic tool is not faulty. If the **diagnostic tool** is not causing the fault and dialogue cannot be established with any other computer on the same vehicle, it may be that a faulty computer is disrupting the fault finding line. Use a process of successive disconnections to locate this computer.

Check that fuse **1G (15A)** and **1O (15A)** of component **260** are in good condition.

Check the battery **voltage**, component code **107**, and perform the necessary operations to obtain the correct voltage (**12 V < X < 15 V**).

Check that the diagnostic socket, component code **225**, is correctly supplied on the following connections:

- **BP32** of component **225** (permanent +).
- **AP43** of component **225** (+ after ignition).
- **MAN** and **NAM** of component **225** (earth).

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

- **133B** between components **225** and **645**.
- **133C** between components **225** and **645**.

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.

AFTER REPAIR	Carry out a complete check with the diagnostic tool.
---------------------	--

RETRACTABLE ROOF

Fault finding – Fault Finding Chart

87E

ALP 1 CONTINUED

On the following connections, check:

- **BP32** of component **1476** (permanent +).
- **SP2** of component **1476** (+ after ignition).
- **NE** of component **1476** (earth).

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 Techline.

AFTER REPAIR

Carry out a complete check with the diagnostic tool.

RETRACTABLE ROOF

Fault finding – Fault Finding Chart

87E

ALP 2

Boot lid does not open

NOTES

Make sure that the operating conditions are fulfilled: boot partition fitted, boot lid closed, vehicle speed zero and + after ignition feed.

Only consult this customer complaint after a complete check with the **diagnostic tool**.

Do the locks of the boot lid unlock?

YES →

Check that the hydraulic pump operates normally.

NO

Open the boot lid manually in the direction of loading and check that nothing impairs the operation of the right-hand and left-hand locks.

Check the **condition** and **connection** of the connectors of the right-hand and left-hand boot locks.
If the connectors are 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 Techline.

Does the pump operate correctly?

NO

A

YES

Check the oil level in the hydraulic unit.
Check that there are no leaks in the system.
Top up if necessary.

If the fault is still present, contact Techline.

AFTER REPAIR

Carry out a complete check with the diagnostic tool.

RETRACTABLE ROOF

Fault finding – Fault Finding Chart

87E

ALP 2 CONTINUED	
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Check the condition of fuse 2E (40A) of component 260 .
Check the operation of the hydraulic pump supply relay (see DF006, Hydraulic pump control circuit).
If the fault is still present, contact Techline.

AFTER REPAIR	Carry out a complete check with the diagnostic tool.
---------------------	--

RETRACTABLE ROOF

Fault finding – Fault Finding Chart

87E

ALP 3	Roof does not close
-------	---------------------

NOTES	Make sure that the operating conditions are fulfilled: boot partition fitted, boot lid closed, vehicle speed zero and + after ignition feed.
	Only consult this customer complaint after a complete check with the diagnostic tool .

The roof does not close, although the boot lid is open.

<p>Check the connection of the solenoid valves, component codes 1485 and 1484, and check that their connection is correct.</p> <p>If the connectors are 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.</p>
<p>If the fault is still present, contact Techline.</p>

AFTER REPAIR	Carry out a complete check with the diagnostic tool.
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UCT_V04_ALP3

RETRACTABLE ROOF

Fault finding – Fault Finding Chart

87E

ALP 4	Roof does not open
NOTES	Make sure that the operating conditions are fulfilled: boot partition fitted, boot lid closed, vehicle speed zero and + after ignition feed.
	Only consult this customer complaint after a complete check with the diagnostic tool .

The roof does not open, although the boot lid is open.

<p>Check the connection of the solenoid valves, component codes 1485 and 1484, and check that their connection is correct.</p> <p>If the connectors are 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.</p>
<p>If the fault is still present, contact Techline.</p>

AFTER REPAIR	Carry out a complete check with the diagnostic tool.
--------------	--

UCT_V04_ALP4

RETRACTABLE ROOF

Fault finding – Fault Finding Chart

87E

ALP 5	Boot lid does not lock
-------	------------------------

NOTES	Make sure that the operating conditions are fulfilled: boot partition fitted, boot lid closed, vehicle speed zero and + after ignition feed.
	Only consult this customer complaint after a complete check with the diagnostic tool .

Check that the boot lid locks are correctly positioned (see MR 365, Bodywork, 52A, Non-side opening element mechanisms, Boot lid locking side lock: Removal – Refitting).
Check that there is nothing preventing the locks from locking.
If the fault is still present, contact Techline.

AFTER REPAIR	Carry out a complete check with the diagnostic tool.
--------------	--

RETRACTABLE ROOF

Fault finding – Fault Finding Chart

87E

ALP 6	Electric windows simultaneous control does not work
--------------	--

NOTES	None.
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Check the configuration of the UCH:

Read configuration **LC011 Vehicle type**, it should be **Cabriolet**.

If it is not, configure the UCH through the configuration **Vehicle type** (see **87B, Passenger compartment connection unit**).

Check the operation of the electric windows.

If **LC011** does not exist, in the UCH, use the special command **SC008 UCH type** for which the configuration "Vehicle type" should be "Cabriolet".

Check the operation of the electric windows (see **87B, Passenger compartment connection unit**).

If the command still does not work, carry out fault finding on the switch and UCH (see **87B, Passenger compartment connection unit**).

If the fault is still present, contact Techline.

AFTER REPAIR	Carry out a complete check with the diagnostic tool.
---------------------	--

RETRACTABLE ROOF

Fault finding – Fault Finding Chart

87E

ALP 7	No audible signal to indicate end of roof movement
--------------	---

NOTES	None.
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Check that the roof has reached its final position (that the 2 boot lid locks are locked).

Configure the instrument panel (see **83A, Instrument panel**).

For **Megane II Phase1**, in **instrument panel**, read configuration **LC030 Vehicle type**. It should read "**E**" (**cabriolet**). If this is not the case, configure the instrument panel using command **CF137 Vehicle type**.

For **Megane II Phase 2**, in instrument panel, read configuration **LC005 Body type**. It should be **Type 3**. If this is not the case, configure the instrument panel using command **CF034 Type 3**.

If **LC005** does not exist, the configuration can be read and performed as for **Megane II Phase1**.

If the fault is still present, contact Techline.

AFTER REPAIR	Carry out a complete check with the diagnostic tool.
---------------------	--

RETRACTABLE ROOF

Fault finding – Fault Finding Chart

87E

ALP 8	Boot not opening (in loading direction)
--------------	--

NOTES	None.
--------------	-------

Check the roof has reached final position (open or closed).
Check the locking of the roof to the windscreen aperture if the roof is closed.
Check the locking of the 2 boot lid locks.

If these checks are in order, but the boot lid fails to work, check the connection and operating of the sensors for the windscreen aperture and the boot lid locks.
If the connectors are 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 theses sensors are in order, check the operation of the boot opening control.

If the fault is still present, replace the boot opening control (see **MR 365, Bodywork, 52A, Non-side opening element mechanism, Boot lid opening control: Removal - Refitting**).

AFTER REPAIR	Check that the message is no longer displayed on the instrument panel.
---------------------	--

ALP 9

"Check hoops" message

NOTES

See **Wiring Diagram Technical Note for Mégane II**.

It is not possible to establish dialogue with the automatic roll-hoop computer.

Is one roll-hoop deployed randomly?

YES

Reset the deployed roll-hoop.

Is the warning message still displayed
on the instrument panel?

NO

NO

The problem disappears.

NO

Disconnect the automatic roll-hoop computer
connector **without removing the computer from its
mounting**.Check the **cleanliness** and **condition** of the
connections of the computer and of connector **R382**
between components **1476** and **1545**.

Carry out the necessary repairs.

If the connectors are 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.

A

AFTER REPAIR

Check that the message is no longer displayed on the instrument panel.

ALP 9 CONTINUED 1

A

Check the **insulation, continuity** and the **absence of interference resistance** on the automatic roll-hoop computer connections:

- connection **SP2** of component **1545** (+ after ignition)
- connection **MZ** of component **1545** (earth)

Are the connections correct?

NO →

Check the **supply** from fuse **1G (15A)** of component **260**.
Check for earth.
Carry out the necessary repairs.

YES

Fit universal bornier **Ele. 1681**.

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

MZ of component **1545** using the bornier.

Note: if the automatic roll-hoop computer is disconnected, connection **162A** of the connector of component 1545 is automatically earthed through a shunt.

Is the connection correct?

NO →

Carry out the necessary repairs.
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 the wiring.

YES

B

AFTER REPAIR

Check that the message is no longer displayed on the instrument panel.

RETRACTABLE ROOF

Fault finding – Fault Finding Chart

87E

ALP 9 CONTINUED 2

B
YES
↓

Under + after ignition, check for + 12 V between connections **SP2** and **MZ** of the connector of component **1545**.

Is there 12 V?

NO →

Carry out the necessary repairs. 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 the wiring.

YES
↓

Measure the voltage between connections **162A** and **MZ** of the connector of component **1545**.

Is the voltage the same as + Vbattery?

YES →

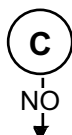
Contact the Techline.

NO
↓

C

AFTER REPAIR

Check that the message is no longer displayed on the instrument panel.

ALP 9
CONTINUED 3

Measure the resistance of the roll-hoop electromagnets between the following connections:

- **162G** and **162K** of component **1543**.
- **162D** and **162H** of component **1544**.

Their resistance should be between
 $1.9 \Omega < X < 5.1 \Omega$

Is the resistance of the electromagnets correct?

NO →

Check the roll-hoop connector with the incorrect resistance.

Are the roll-hoop connections correct?

YES ↓

Contact the Techline.

YES ↓

Replace the faulty roll-hoop (see **MR 365, Bodywork, 59A, Safety accessories, Roll-hoop: Removal - Refitting**).

NO ↓

Carry out the necessary repairs.
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 the wiring.

AFTER REPAIR

Check that the message is no longer displayed on the instrument panel.