DUSTER

8 Electrical equipment

88C AIRBAGS AND PRETENSIONERS

TEMIC AIRBAG
Vdiag No.: 18
Computer type No.: 0000

V1 **Edition Anglaise**

1. SCOPE OF THIS DOCUMENT

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

Vehicle(s): **DUSTER** *Function concerned:* **AIRBAG**	*Computer name:* **TEMIC Airbag** *Computer type No.:* **0000** *Vdiag No.:* **18**

2. PREREQUISITES FOR FAULT FINDING

Documentation type

Fault finding procedures (this document):
– Assisted fault finding (integrated into the **diagnostic tool**), Dialogys.

Wiring Diagrams:
– Visu-Schéma.

Type of diagnostic tools

CLIP + Set of adapters and borniers used for the **airbag wiring check** function, including the **50-track ELO** base type **adapter** with 7 shunts, coding D-H, TYCO, orange colour, part number **9-1393474-4**, **Elé 1830**.

Special tooling required

Special tooling required	
	Diagnostic tool
	Adapters **B32, B35**
Elé. 1641	**Bornier B55**
Elé. 1617	**(3/4)**
Elé. 1484-10	30-track computer bornier
Elé. 1830	50-track computer bornier
Elé. 1287	Airbag and pretensioner destruction tool

3. REMINDERS

Procedure

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

Connect the diagnostic tool and perform the required operations.

4. SAFETY INSTRUCTIONS

All operations on the airbag system must be carried out by qualified trained personnel.

Safety rules must be observed during any work on a component to prevent any damage or injury:
– check the battery voltage to avoid incorrect operation of computer functions,
– use the appropriate tools,
– During any operation on the airbag system, it is essential to use the computer locking command to avoid any risk of accidental triggering (all the trigger lines will be inhibited).

WARNING:
During any operation on the airbag systems, it is essential to use the computer locking command to avoid any risk of accidental triggering (all the trigger lines will be inhibited).
The locked mode is indicated when the instrument panel warning light comes on.

Note:
If the operation is being performed following an impact that triggered the airbags, the computer cannot be locked until the unlocking command has been given.
After an impact that triggered the airbags, the faults stored in the computer cannot be cleared until the "Read impact context" command has been given, followed by the unlocking command.

Never measure the airbag trigger lines using any tool other than the **XRBAG** or the airbag wiring check function on the **CLIP** and **NXR** tools.

Before using a dummy ignition module, check that its resistance is between: **1.8 Ω** and **2.5 Ω**.

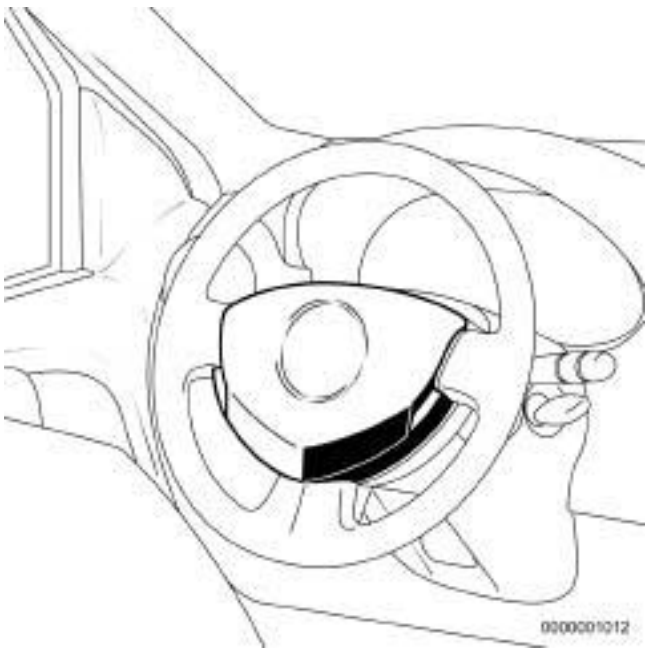
During the procedure, **make sure the computer voltage does not drop below 10 V**.

I - LIST OF COMPONENTS

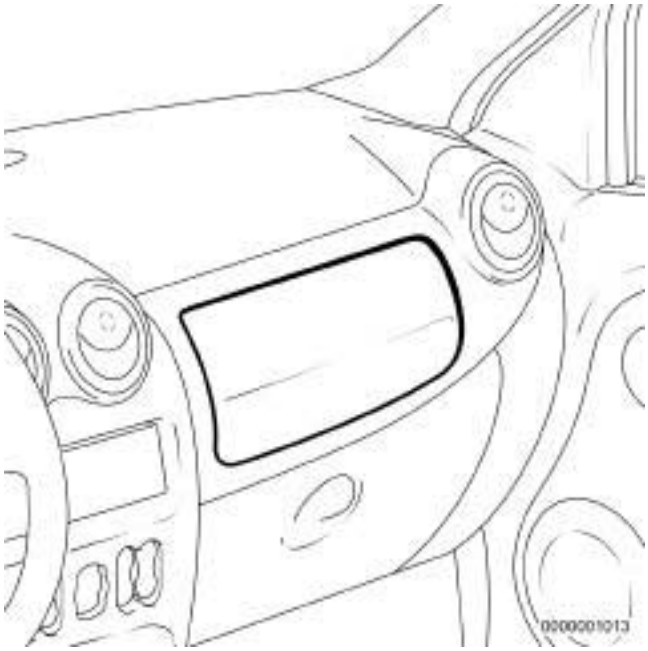
Number	Description
1	Driver's frontal airbag
2	Passenger frontal airbag
3	Front side airbag
4	Airbag computer
5	Airbag inhibition key

II - LOCATION OF COMPONENTS

1. DRIVER'S FRONTAL AIRBAG



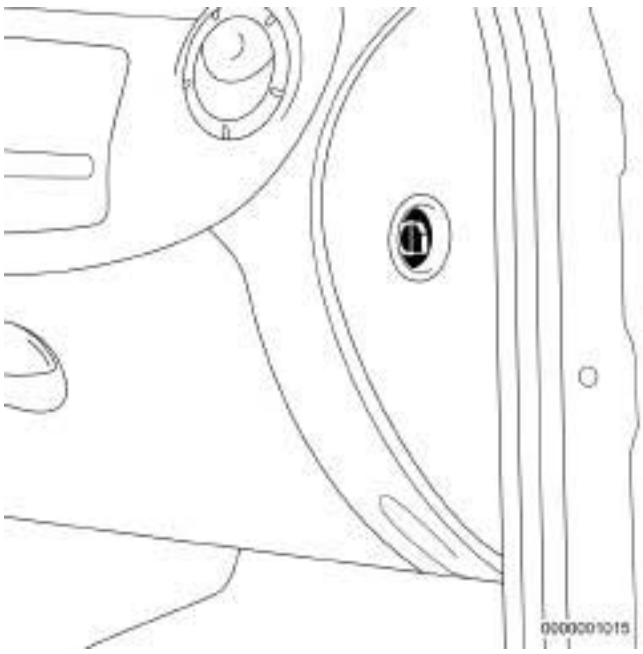
2. PASSENGER FRONTAL AIRBAG



3. FRONT SIDE AIRBAG

4. AIRBAG COMPUTER

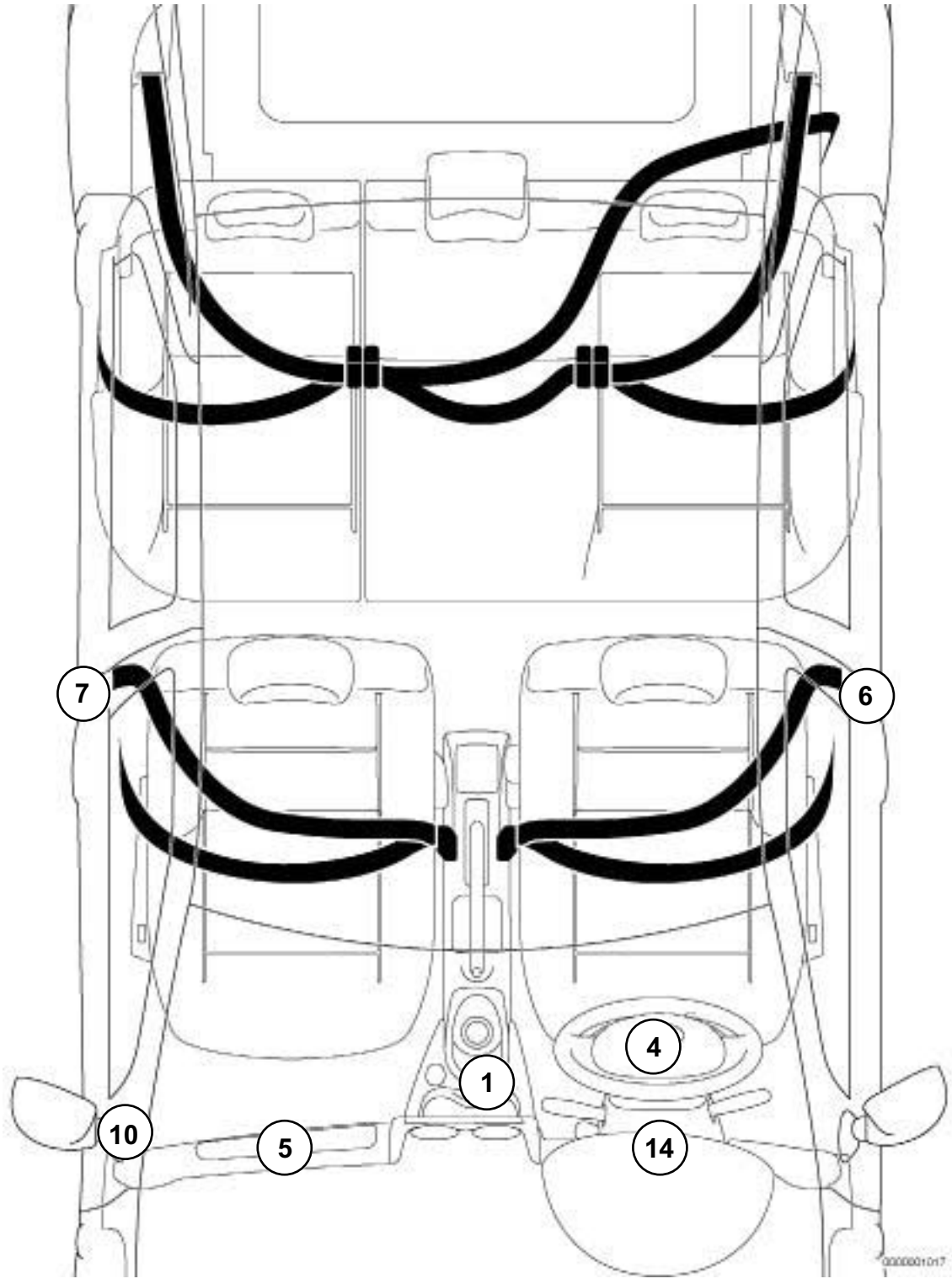
5. AIRBAG INHIBITION KEY



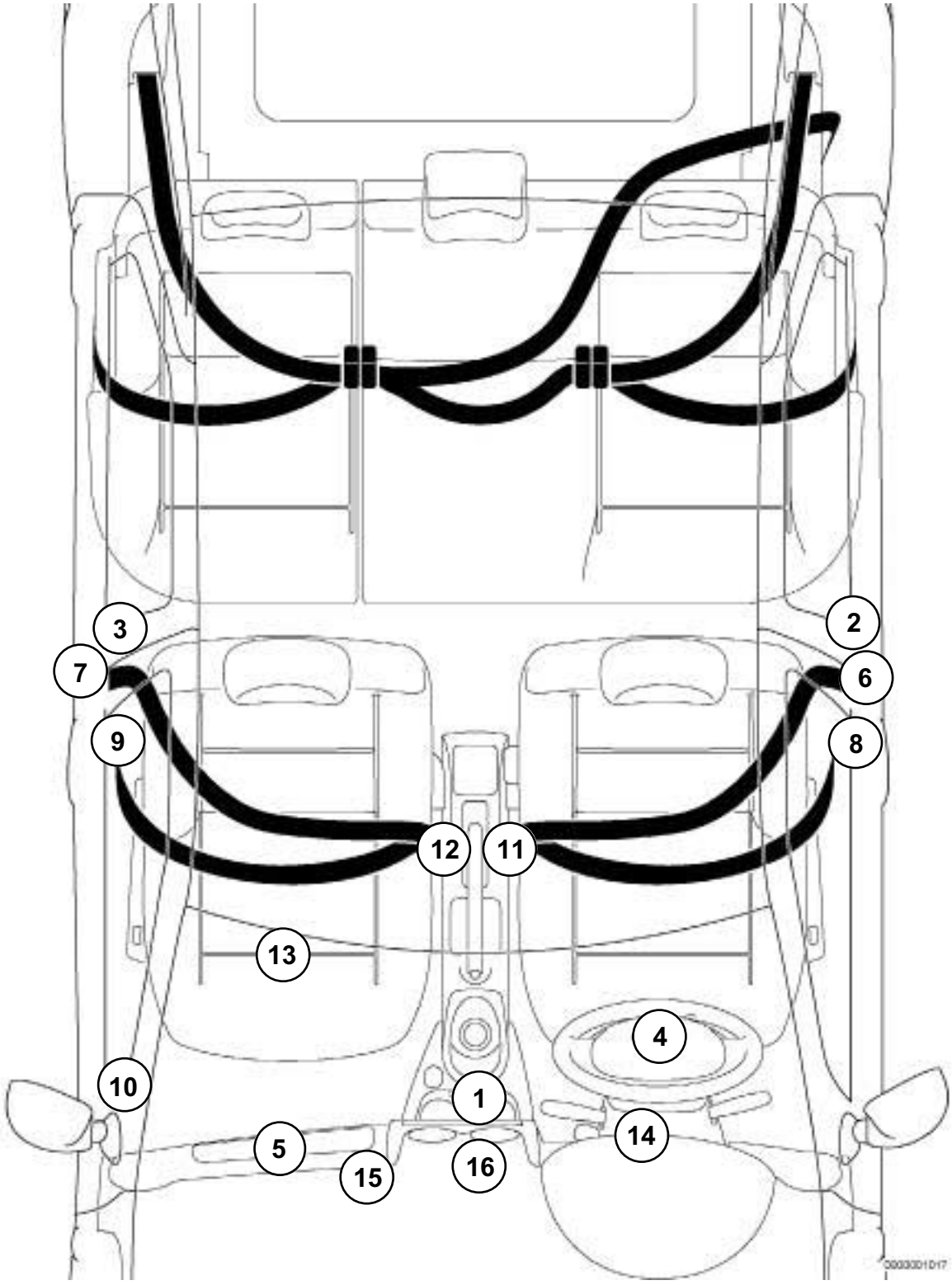
System outline

Number	Description
1	Airbag computer
2	Driver's lateral acceleration sensor (satellite)
3	Front passenger lateral acceleration sensor (satellite)
4	Driver's frontal airbag
5	Front passenger frontal airbag
6	Pyrotechnic inertia reel of driver's front seat belt buckle
7	Pyrotechnic inertia reel of passenger front seat belt buckle
8	Driver's side airbag
9	Front passenger side airbag
10	Front passenger airbag inhibition switch
11	Driver's seat belt buckle contact
12	Front passenger seat belt buckle contact
13	Occupant presence detection sensor
14	Instrument panel (warning light functions)
15	Radio ("mute" function)
16	Buzzer (audible warning function)

Passive Safety Architecture – Computer with 4 trigger lines.



Passive Safety Architecture – Computer with 6 trigger lines.



Driver's front airbag.
The role of the driver's frontal airbag is to protect the driver's head in case of frontal impact.

Passenger front air bag.
The role of the passenger frontal airbag is to protect the front passenger's head in case of frontal impact.

Driver's side airbag.
The role of the driver's side airbag is to protect the driver's chest and head in case of side impact.

Front passenger side airbag.
The role of the front passenger side airbag is to protect the front passenger's chest and head in case of side impact.

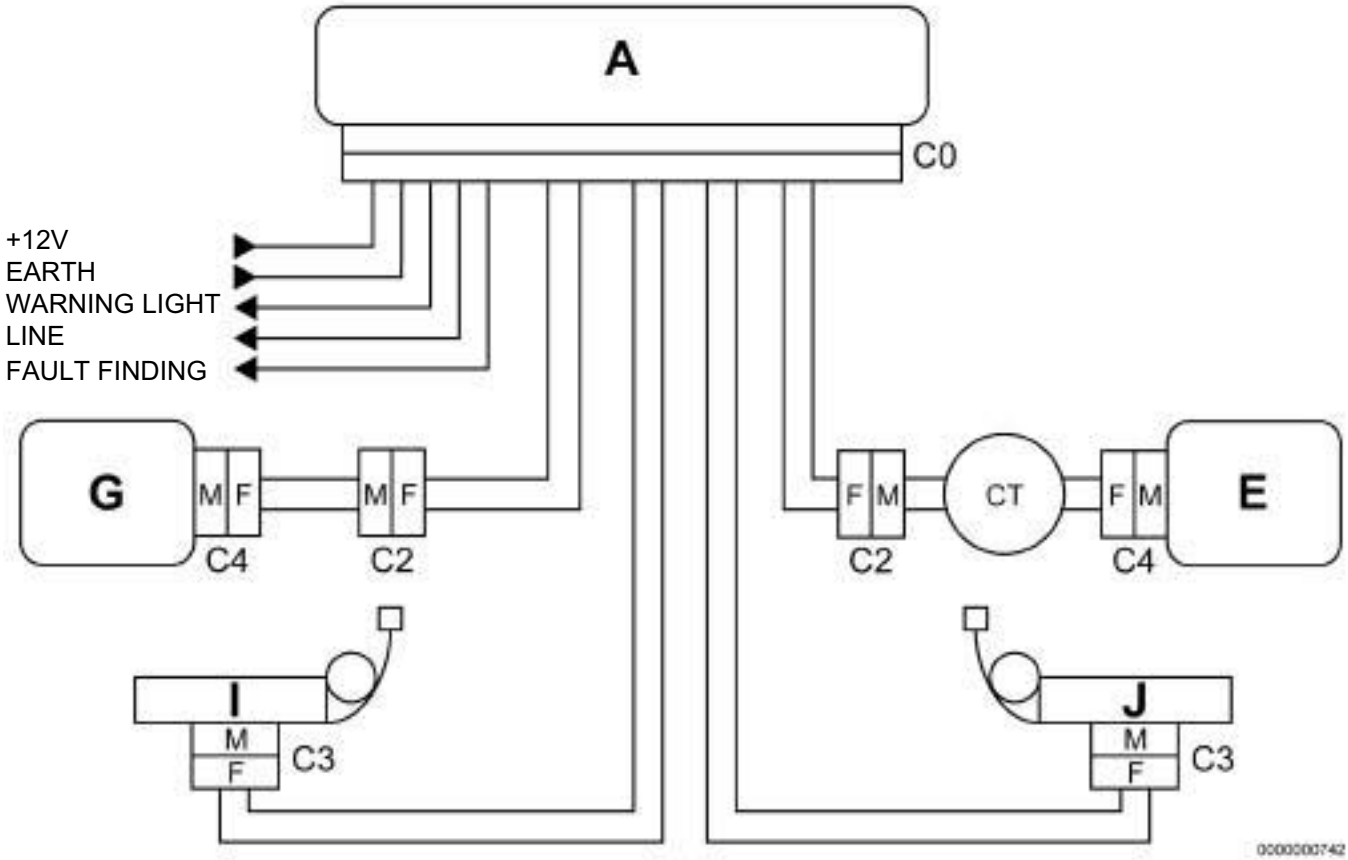
Airbag computer.
The role of the airbag computer is to take control of all of the vehicle's restraint devices intended to ensure occupant protection (driver, front and rear passengers).

Inhibition key.
The passenger airbag inhibitor (by key) informs the airbag computer of a request to inhibit the passenger front airbag and passenger chest airbag.

The driver's and passenger pyrotechnic inertia reels:
The pyrotechnic seat belt retractor holds the occupant in the seat in the event of a crash.

Seat belt locking monitoring:
This function is performed by the instrument panel. The computer only sends the driver's seat belt buckle sensor status. A warning light on the instrument panel is displayed if the driver is not wearing his seat belt, and a buzzer reminds the driver of this when the vehicle speed exceeds **12 mph** (**20 km/h**). For the passenger, the computer sends the statuses of the passenger seat belt buckling sensor and the passenger presence detection sensor.

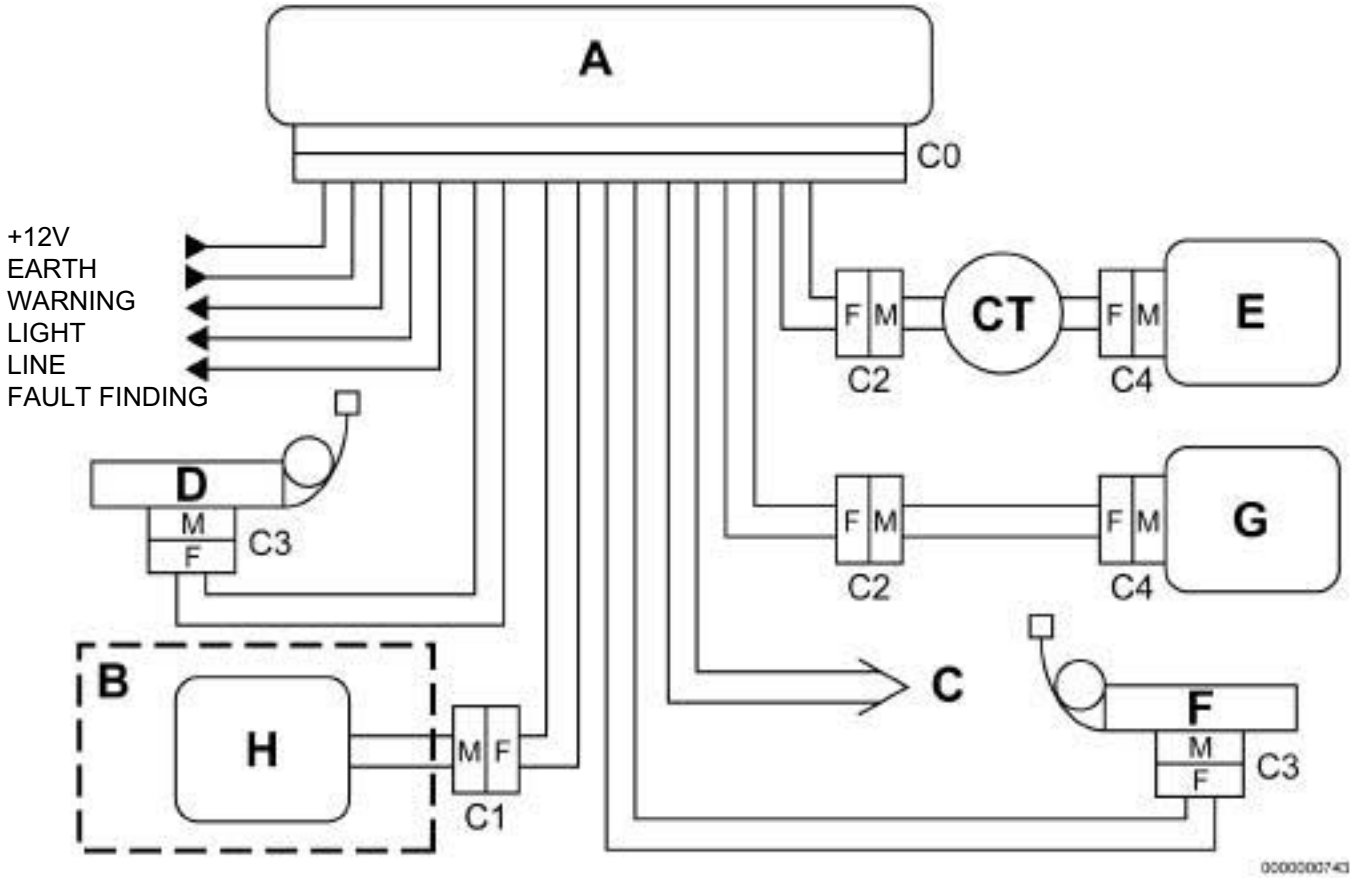
FAULT FINDING - CONFIGURATION SHEET system with 4 trigger lines.



A	COMPUTER
E	DRIVER'S AIRBAG IGNITION MODULE
G	PASSENGER AIRBAG IGNITION MODULE
I/J	DRIVER'S / PASSENGER FRONT INERTIA REEL
CT	ROTARY SWITCH
C0	30-TRACK AIRBAG COMPUTER CONNECTOR
C2, C3, C4	MEASURING POINT

	DRIVER'S AND PASSENGER FRONT AIRBAGS	
	Measuring point	Correct value
Driver	C0, C2 and C4	**1.3 Ω** to **5.2 Ω**
Passenger	C0, C2 and C4	**1.3 Ω** to **5.2 Ω**
	DRIVER'S AND PASSENGER INERTIA REEL	
	Measuring point	Correct value
	C3	**1.3 Ω** to **5.2 Ω**

FAULT FINDING - CONFIGURATION SHEET system with 6 trigger lines.



A	COMPUTER	C0	50-TRACK AIRBAG COMPUTER CONNECTOR
E	DRIVER'S AIRBAG IGNITION MODULE	C1, C2, C3, C4	MEASURING POINT
G	PASSENGER AIRBAG IGNITION MODULE		
H	FRONT CHEST-LEVEL SIDE AIRBAG IGNITION MODULE		
D/F	FRONT PYROTECHNIC INERTIA REEL		
B	DRIVER'S SEAT		
C	PASSENGER SEAT		
CT	ROTARY SWITCH		

	DRIVER'S AND PASSENGER FRONT AIRBAGS	
	Measuring point	Correct value
Driver	C0, C2 and C4	**1.3 Ω** to **5.2 Ω**
Passenger	C0, C2 and C4	**1.3 Ω** to **5.2 Ω**
	DRIVER'S AND PASSENGER CHEST-LEVEL AIRBAGS	
	Measuring point	Correct value
	C1	**1.3 Ω** to **5.2 Ω**
	DRIVER'S AND PASSENGER INERTIA REEL	
	Measuring point	Correct value
	C3	**1.3 Ω** to **5.2 Ω**

The airbag computer monitors all of the vehicle's restraint devices intended to ensure occupant protection (driver, front and rear passengers).

The computer is designed to carry out the following functions:
– detection and confirmation of front longitudinal impacts and/or side impacts,
– corresponding activation of the pyrotechnic restraint devices (e.g. inertia reels, airbag),
– management of the inhibiting function of the trigger lines and the lateral acceleration sensors,
– management and monitoring of the **Airbag fault** and **Airbag Off** warning lights on the instrument panel (wire connections),
– management of the warning lights for the SBR*,
– management of the audible function for the SBR*,
– management of the radio cut-off for the SBR*,
– management of the fault finding signals (signals provided by the fault manager in response to fault finding requests regarding internal faults or input - output fault finding).

Special notes:

1. Longitudinal impacts:

The detection of front or rear longitudinal impacts takes into account the signals from the internal accelerometers of the computer.

A frontal algorithm produces a characterisation of the impact using the sensor signals in order to initiate an adapted protection. The programs used by other computers that might use this signal are not part of the present functional description.

Additional information, for example the position of the inhibitor key, is used to modify the behaviour of the system accordingly in order to better meet the protection requirements resulting from the situation which has been identified and characterised.

2. Side impacts:

A side algorithm produces a characterisation of the impact using the signals from side sensors and from an internal sensor in the computer to initiate an adapted protection on the impact side. The programs used by other computers that might use this signal are not part of the present functional description.

Additional information, for example the position of the inhibitor key, can (depending on the configuration used) be used to modify the behaviour of the system accordingly in order to better meet the protection requirements resulting from the situation which has been identified and characterised.

SBR*: Seat Belt Reminder

3. Inhibition of passenger trigger lines:

This function is managed by the airbag computer, according to the position of the passenger airbag inhibition switch and taking into account the vehicle context.
The change of status of the inhibition switch responds to transverse programming (manufacturer's industry regulation) that authorises taking it into account **10 seconds** after the vehicle ignition is switched on (computer supply).

Inhibition programming:
– trigger lines inhibited and **Airbag Off** warning light illuminated if switch is **OFF (100 Ω),**
– trigger lines authorised if the switch is **ON** (**400** Ω),
– trigger lines inhibited, **Airbag Fault** and **Airbag Off** warning lights illuminated if a fault is detected, if the switch is not configured and detected as present, or if there is a change of position not fulfilling the conditions.

By default, when the key is in the inhibition position, the following protections and signals are inhibited in the event of a crash:
– front passenger front airbag.
– front passenger chest airbag.
– SBR* warnings: the inhibition key causes the inhibition of the warning light and buzzer, and deactivates the radio cut-off warning for the occupant.

This remains configurable by the diagnostic procedure except for the SBR* warnings.

The passenger front airbag and passenger chest airbag are inhibited when the locking switch is positioned on **OFF** or when **DF028 PASSENGER AIRBAG STATUS INDICATOR LIGHT CIRCUIT** or **DF193 PASSENGER AIRBAG LOCKING STATUS CHANGE** is present in the computer memory.

4. Seat belt locking monitoring:

This function is managed by the computer (warning light and audible signal):
– driver's seat belt buckled (contact open),
– driver's seat belt not buckled (contact closed).

5. Management and monitoring of the airbag warning lights:

The airbag computer controls and checks the status of the **Airbag fault** and **Airbag Off** warning lights on the instrument panel. These signals are exchanged via wire.

The **Airbag fault** warning light illuminates for **4 seconds** when the ignition is switched on (**+ after ignition**), the time necessary for the system to be operational after the vehicle is started. It then remains off except under the following conditions:
– detection and recording of an airbag system fault (input - output fault, configuration fault),
– a crash has been detected and registered,
– if the computer is **crash locked** by a **diagnostic tool**,
– if the computer must be programmed or reprogrammed.

The **Airbag Off** warning light represents the actual inhibition status of the passenger airbags:
– **off** = active (switch **ON)**,
– **illuminated** = passenger airbags inactive (switch **OFF** or detection of a fault on the switch line).

The 2 warning lights can be illuminated simultaneously.

SBR*: Seat Belt Reminder

6. Management of fault finding signals.

– fault finding of internal functions (self-test when switched on, verification of the configuration),
– fault finding of external functions (pyrotechnic ignition modules and sensors),
– fault finding of the supply,
– storage of faults identified when the vehicle is started, while the engine is running, or when the ignition is switched off,
– permanent storage of parameters relating to the crash algorithm and the signals obtained during a crash,
– permanent storage of system faults present before a crash,
– warning light control.

The airbag system components must be configured in accordance with the vehicle equipment criteria.

All the inputs and outputs of the airbag computer (ignition modules and sensors) are configurable independently of one another.

Any incorrect configuration is detected by the recording of the fault and the illumination of the Airbag fault warning light:
– "open circuit" fault if an ignition module (or sensor) is configured, but the component is not connected,
– "configuration" fault if an ignition module (or sensor) is unconfigured and the component is connected.

CONFIGURATION/CONFIGURATION READING

-	The configuration reading commands (**LCxxx**) are used to display the current computer configuration in relation to the trigger lines and sensors installed in the vehicle.
-	The configuration commands (**CFxxx**) are used to adjust the computer configuration to the equipment actually installed in the vehicle.

– CONFIGURABLE COMPONENTS for the version with 6 trigger lines

Trigger lines "WITH" or "WITHOUT"

Diagnostic tool title	Configuration reading	Configuration
DRIVER'S FRONT INERTIA REEL	**LC130**	**CF020**
PASSENGER FRONT INERTIA REEL	**LC131**	**CF021**

Sensors "WITH or "WITHOUT"

Diagnostic tool title	Configuration reading	Configuration
DRIVER'S FRONT SIDE IMPACT SENSOR	**LC082**	**CF285**
PASSENGER FRONT SIDE IMPACT SENSOR	**LC083**	**CF286**
DRIVER'S SEAT BELT BUCKLE SENSOR	**LC073**	**CF273**
PASSENGER'S SEAT BELT BUCKLE SENSOR	**LC074**	**CF274**
PASSENGER PRESENCE DETECTION SENSOR	**LC075**	**CF275**

Warning lights "WITH" or "WITHOUT"

Diagnostic tool title	Configuration reading	Configuration
PASSENGER AIRBAG INHIBITION WARNING LIGHT	**LC116**	**CF036**
SEAT BELT WARNING LIGHT	**LC134**	**CF049**

Seat belt reminder buzzer "WITH" or "WITHOUT"

Diagnostic tool title	Configuration reading	Configuration
SEAT BELT REMINDER BUZZER	**LC133**	**CF048**

Vehicle type reading "DUSTER" or "INCORRECT"

Diagnostic tool title	Configuration reading	Configuration
VEHICLE TYPE	**LC034**	**WITHOUT**

– CONFIGURABLE COMPONENTS for the version with 4 trigger lines

Trigger lines "WITH" or "WITHOUT"

Diagnostic tool title	Configuration reading	Configuration
DRIVER'S FRONTAL AIRBAG	**LC027**	**CF209**
PASSENGER FRONTAL AIRBAG	**LC028**	**CF210**
DRIVER'S FRONT INERTIA REEL	**LC130**	**CF020**
PASSENGER FRONT INERTIA REEL	**LC131**	**CF021**

WITH or WITHOUT impact signal connection

Diagnostic tool title	Configuration reading	Configuration
IMPACT SIGNAL CONNECTION	**LC029**	**CF211**

Passenger airbag locking mode "WITH KEY" or "WITHOUT"

Diagnostic tool title	Configuration reading	Configuration
PASSENGER AIRBAG LOCKING MODE	**LC060**	**CF248**

"LEFT-HAND" or "RIGHT-HAND" driving side

Diagnostic tool title	Configuration reading	Configuration
STEERING SIDE	**LC088**	**CF291**

Vehicle type reading "DUSTER" or "INCORRECT"

Diagnostic tool title	Configuration reading	Configuration
VEHICLE TYPE	**LC034**	**WITHOUT**

Warning lights "WITH" or "WITHOUT"

Diagnostic tool title	Configuration reading	Configuration
PASSENGER AIRBAG INHIBITION WARNING LIGHT	**LC116**	**CF036**

PARAMETER SETTINGS:

VP006: Lock computer.
This command should be used for any operation on the system. It inhibits all of the trigger lines.

VP007: Unlock computer
This command is used to unlock the computer when it is new or if it has been deactivated via command VP006.

VP010: Enter VIN.
This command is used to enter the VIN number into the computer.

SC004: Read impact context
Use this command during repair of the vehicle following impact. The command enables the list of trigger lines active and the system status upon impact to be accessed in the computer which is being replaced.

REPLACING A SYSTEM COMPONENT

Disconnect the battery before any removal or refitting of a pyrotechnic component (airbag module, inertia reels).
The computer must always be locked before any operation on a system component.

REPLACING THE AIRBAG COMPUTER

Before replacing the computer, it is essential to contact the techline.

When **DF001 Computer** is **present** or **stored**, it is strictly prohibited to use command **RZ001 Fault memory** to allow the failure of the returned computer to be analysed.

The airbag computers are sold in locked mode to avoid all risk of accidental triggering (all ignition lines are inhibited).

The locked mode is indicated when the instrument panel warning light comes on.

Apply the following procedure when replacing an airbag computer:
– check that the ignition is switched off,
– replace the computer,
– modify the computer configuration if necessary,
– write the VIN to the computer using the **diagnostic tool** command **VP010 Write VIN**,
– switch off the ignition,
– carry out a check using the **diagnostic tool**,
– unlock the computer only if no fault is reported by the **diagnostic tool** and check that the warning light is off.

After the replacement, in the event of incorrect configuration, the **Airbag** warning light is illuminated on the instrument panel.
Then perform the following checks:
– there is no impact signal connection, it must be deconfigured using command **CF211 Impact signal connection**. Configuration reading **LC029 Impact signal connection** must be **without**.
– check the other configurations.
– the conformity of the configurations (trigger lines and impact signal connection) is confirmed by the **airbag** warning light going out.

Tool fault	Associated DTC	Diagnostic tool title
DF001	9080	Computer
DF002	9042	Computer voltage supply
DF003	9007	Driver's frontal airbag circuit
DF004	9005	Passenger's frontal airbag circuit
DF028	9041	Passenger airbag status warning light circuit
DF034	907E	Computer locked
DF039	9035	Driver's side sensor circuit
DF040	9036	Passenger's side sensor circuit
DF044	9058	Impact signal circuit
DF068	900C	Passenger's chest front side airbag circuit
DF077	900B	Driver's front side chest airbag circuit
DF091	9034	Airbag locking switch circuit
DF165	9040	Airbag fault warning light circuit

Tool fault	Associated DTC	Diagnostic tool title
DF166	9029	Driver's inertia reel circuit
DF167	902A	Passenger inertia reel circuit
DF193	907C	Passenger airbag locking status change.
DF194	907F	Computer to be replaced following impact
DF232	9051	Driver's seat belt buckle sensor circuit
DF233	9052	Passenger's seat belt buckle sensor circuit
DF234	9053	Passenger presence detection sensor circuit
DF242	907B	Left-hand/right-hand drive configuration
DF279	9055	Seat belt warning light circuit
DF425	9056	Seat belt reminder buzzer circuit

DF001 PRESENT OR STORED	COMPUTER

NOTES	None.

Replace the airbag computer, component code **756** (see **MR 451, Mechanical, 88C, Airbags and pretensioners, Airbag computer: Removal - Refitting**).

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF002 PRESENT	COMPUTER SUPPLY VOLTAGE 1.DEF: Supply voltage too high 2.DEF: Supply voltage too low

NOTES	**Special notes:** Use adapter **Elé. 1830 or Elé. 1484-10** to work on the computer connector.
	Use the **Technical Note Wiring Diagrams for DUSTER**.

Perform the necessary operations to obtain the correct supply voltage of the airbag computer, component code **756** (**9 V ± 0.1 < correct voltage < 18 V ± 0.1**).
Check the tightness and condition of the battery terminals, component code **107**.
Run fault finding on component **107** and the charging circuit (see **Technical Note 6014A (Renault) or Technical Note 9859A (Dacia), Checking the charging circuit**).
Check the **earth** on connection **NAP** of component **756**.
If the connection is faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Check that the connections on the airbag computer, component code **756**, are in good condition and correctly locked.
If the connector is faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.

If the fault is still present, contact the Techline.

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF003 PRESENT	DRIVER'S FRONTAL AIRBAG CIRCUIT CO: Open circuit CC: Short circuit CC.0: Short circuit to earth CC.1: Short circuit to +12 volts 1.DEF: Configuration 2.DEF: Short circuit between trigger lines

NOTES	If **1.DEF**, check and adjust the computer configuration.
	Special notes: Never carry out any measuring procedures on the trigger lines with any tool other than the **CLIP** tool. Use adapter **Elé. 1830 or Elé. 1484-10** to work on the computer connector.
	Use the **Technical Note Wiring Diagrams for DUSTER**.

CO - CC	***NOTES***	None.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Switch off the ignition and remove the steering wheel airbag, component code **899** (see **MR 451, Mechanical, 88C, Airbags and pretensioners, Driver's front airbag: Removal - Refitting**).
Check that the steering wheel airbag is correctly connected.

Disconnect the airbag cushion and connect a dummy ignition module to the ignition module connector.
Switch on the ignition and carry out a check using the **diagnostic tool**.
If the fault becomes **stored**, replace the steering wheel airbag (see **MR 451, Mechanical, 88C, Airbag and pretensioners, Driver's front airbag: Removal - Refitting**).

AFTER REPAIR	Clear the computer fault memory. Switch off the ignition. Carry out the check again using the diagnostic tool and, if there is no fault, unlock the computer. Destroy the steering wheel airbag (component **899**) if it has been replaced (tool **Elé. 1287**).

DF003 CONTINUED 1	

With the ignition off, disconnect then reconnect the connector of the **cruise control and airbag** switch, component code **689**.
If the connector is faulty and there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.

The **CLIP tool** must be used for checking resistance at **point C2** of the driver's airbag circuit.
If the obtained value is not correct, replace component **689** (see **MR 451, Mechanical, 84A, Controls - Signals, Rotary switch: Removal - Refitting**).

Reconnect component **689**, disconnect the airbag computer connector and fit adapter **Elé. 1830 or Elé. 1484-10**.
The **CLIP** tool must be used for measuring the resistance on the **cable marked A** of adapter **Elé. 1830 or Elé. 1484-10**.
If the value obtained is not correct, check the connections on the computer connector between connections **60AM** and **60AN**.
If the connector is faulty and there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.

AFTER REPAIR	Clear the computer fault memory. Switch off the ignition. Carry out the check again using the diagnostic tool and, if there is no fault, unlock the computer. Destroy the steering wheel airbag (component **899**) if it has been replaced (tool **Elé. 1287**).

DF003 CONTINUED 2	

If the checks carried out have not shown the presence of a fault, check on the base of the airbag computer for the presence of the **seven shunt opening pins** of the computer connector.
Check the condition of the airbag computer connections, component code **756**.
Check the condition of the airbag computer connector (locking system, connections, etc.).
If the connector is faulty and there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.

CC.0-CC.1	***NOTES***	None.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Switch off the ignition and remove the steering wheel airbag, component code **899** (see **MR 451 Mechanical, 88C, Airbag and pretensioner, Driver's front airbag: Removal - Refitting**).
Check the condition and correct connection of the trigger line.

The **CLIP** tool must be used for measuring the insulation appropriate to the type of fault at **point C2** of the driver's frontal airbag circuit.
If the value obtained is not correct, replace the cruise control and airbag switch, component code **689** (see **MR 451, Mechanical, 84A, Controls - Signals, Rotary switch: Removal - Refitting**).

Reconnect component **689**, disconnect the airbag computer connector and fit **Elé. 1830**.
It is essential to use the **CLIP** tool for measuring the insulation appropriate to the type of fault on the **cable marked A** of adapter **Elé. 1830 or Elé. 1484-10.**
If the value obtained is not correct, check the connections on the computer connector between connections **60AM** and **60AN**.
If the connector is faulty and there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.

AFTER REPAIR	Clear the computer fault memory. Switch off the ignition. Carry out the check again using the diagnostic tool and, if there is no fault, unlock the computer. Destroy the steering wheel airbag (component **899**) if it has been replaced (tool **Elé. 1287**).

DF003 CONTINUED 3	

2.DEF	***NOTES***	**Special notes**: This fault corresponds to the detection of a short circuit between 2 trigger lines.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Check the **insulation** of the circuits of the two ignition modules concerned.
Concerned connections of component **689**:
- **60AM** and **60AN** of component **689**.

If there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

AFTER REPAIR	Clear the computer fault memory. Switch off the ignition. Carry out the check again using the diagnostic tool and, if there is no fault, unlock the computer. Destroy the steering wheel airbag (component **899**) if it has been replaced (tool **Elé. 1287**).

DF004 PRESENT	PASSENGER FRONTAL AIRBAG CIRCUIT CO: Open circuit CC: Short circuit CC.0: Short circuit to earth CC.1: Short circuit to +12 volts 1.DEF: Configuration 2.DEF: Short circuit between trigger lines

NOTES	If **1.DEF**, check and adjust the computer configuration (see **Configuration**).
	Special notes: Never carry out any measuring procedures on the trigger lines with any tool other than the **CLIP** tool. Use adapter **Elé. 1830 or Elé. 1484-10** to work on the computer connector.
	Use the **Technical Note Wiring Diagrams for DUSTER**.

CO - CC	***NOTES***	None.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Switch off the ignition and check the condition of the dashboard intermediate connection **R292**.
If the connector is faulty and there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.

Fit adapter **Elé. 1617 (3/4)**.
The **CLIP** tool must be used for checking resistance on the **cable marked C** of adapter **Elé. 1617 (3/4)**.

AFTER REPAIR	Reconnect the computer and component **861**. Switch on the ignition again. Clear the computer memory. Switch off the ignition. Carry out the check again using the diagnostic tool and, if there is no fault, unlock the computer. Destroy component **861** if it has been replaced (tool **Elé. 1287**).

DF004 CONTINUED 1	

If the value obtained is not correct, switch off the ignition and remove any necessary components in order to access the wiring of component **861** (see **MR 451, Mechanical, 88C, Airbag and pretensioner, Passenger front airbag: Removal - Refitting**).
Disconnect connection **R292**, connect a dummy ignition module to the ignition module connector, then measure the resistance again on the **cable marked C** of adapter **Elé. 1617 (3/4)**.
If the value obtained is correct, replace connection **292** (see **MR 451, Mechanical, 88C, Airbag and pretensioner, Driver's front airbag: Removal - Refitting**).

If the value obtained is still incorrect, there is a wiring fault between the connector of component **756** and the dashboard intermediate connection **R292**.
If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the obtained value is correct, reconnect connection **R292**.
Disconnect the airbag computer connector and check the connections on the computer connector between connections 60H and 60K.
If the connector is faulty and there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.

AFTER REPAIR	Reconnect the computer and component **861**. Switch on the ignition again. Clear the computer memory. Switch off the ignition. Carry out the check again using the diagnostic tool and, if there is no fault, unlock the computer. Destroy component **861** if it has been replaced (tool **Elé. 1287**).

DF004 CONTINUED 2	

Fit adapter **Elé. 1830 or Elé. 1484-10.**
The **CLIP** tool must be used for measuring the resistance on the **cable marked B** of adapter **Elé. 1830 or Elé. 1484-10**. If the obtained value is not correct, there is a wiring fault between components **756** and **connection R292** on connections **60H** and **60K**.
If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

CC.0-CC.1	*NOTES*	None.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Switch off the ignition and check the connection and the condition of the passenger frontal airbag connector, component code **861**.
Fit adapter **Elé. 1617 (3/4)**.
It is essential to use the **CLIP** tool for measuring the insulation appropriate to the type of fault on the **cable marked C** of adapter **Elé. 1617 (3/4)**.

If the value obtained is not correct, replace the wiring harness (C4/C2).

If the value obtained is correct, reconnect the dashboard intermediate connection **R292.**
Disconnect the computer connector and check the condition of the connections on the dashboard intermediate connection **R292** between connections **60H** and **60K**
If the connector is faulty and there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.

Fit adapter **Elé. 1830 or Elé. 1484-10.**
The **CLIP** tool must be used for measuring the resistance on the **cable marked B** of adapter **Elé. 1830 or Elé. 1484-10**.
If the value obtained is not correct, there is a wiring fault between components **756** and connection **R292** on connections **60H** and **60K**.
If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it

AFTER REPAIR	Reconnect the computer and component **861**. Switch on the ignition again. Clear the computer memory. Switch off the ignition. Carry out the check again using the diagnostic tool and, if there is no fault, unlock the computer. Destroy component **861** if it has been replaced (tool **Elé. 1287**).

DF004 CONTINUED 3	

2.DEF	***NOTES***	**Special notes**: This fault corresponds to the detection of a short circuit between 2 trigger lines.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Check the **insulation** of the circuits of the two ignition modules concerned.
Concerned connections of component **861**:
- **60H** and **60K** of component **861**.

If there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

AFTER REPAIR	Reconnect the computer and component **861**. Switch on the ignition again. Clear the computer memory. Switch off the ignition. Carry out the check again using the diagnostic tool and, if there is no fault, unlock the computer. Destroy component **861** if it has been replaced (tool **Elé. 1287**).

DF028 PRESENT	PASSENGER AIRBAG STATUS WARNING LIGHT CIRCUIT CC.1: Short circuit to +12 volts CO.0: Open circuit or short circuit to earth.

NOTES	**Special note:** Use adapter **Elé. 1830 or Elé. 1484-10** to work on the computer connector.
	Use the **Technical Note Wiring Diagrams for DUSTER**.

CC.1	***NOTES***	None.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Check the condition of the warning light bulb.
Check the **insulation** to **+ 12 V** on connection **60A** between the instrument panel, component code **247**, and the airbag computer, component code **756**.
If the connection is faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF028 CONTINUED 1	

CO.0	***NOTES***	None.

Warning light off under + after ignition feed

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Check the **condition** of the **airbag fault warning light**.
Check the **continuity** on connection **60A** between the instrument panel, component code **247**, and the airbag computer, component code **756**.
Check the presence of **+ 12 V** on the warning light.
If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF028 CONTINUED 2	

Warning light on under + after ignition feed

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Disconnect the airbag computer and check for the presence, on the base, of the **7 pins** which open the connector shunts.
Check the **insulation** from **earth** on connection **60A** between components **247** and **756.**
If the connection is faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF034 PRESENT	COMPUTER LOCKED 1.DEF: Computer locked

NOTES	None.

This fault allows display of the locked state of the computer.
When it is **present**, all the trigger lines are inhibited, preventing triggering of the airbags.
This fault is normally **present** in two cases:
– the computer is new (it is sold locked),
– the computer locking command using the **fault finding tool** was used during an operation on the vehicle.

If the fault is still present, contact the Techline.

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF039 PRESENT	DRIVER'S SIDE SENSOR CIRCUIT CC.O: Short circuit to earth CC.1: Short circuit to +12 V 1.DEF: Configuration 2.DEF: Sensor internal electronic fault 3.DEF: No communication 4.DEF: Component in poor condition

NOTES	**Special notes**: Use adapter **Elé. 1830 or Elé. 1484-10** to work on the computer connector.
	Use the **Technical Note Wiring Diagrams for DUSTER**.

CC.0 **CC.1** **3.DEF**	***NOTES***	None.

Lock the computer with command **VP006 Lock computer** using the **diagnostic tool**.
Check that the driver's side sensor, component code **1028**, is connected correctly and check its connections.
Check the condition of the connections on the airbag computer connector, component code **756**, between connections **60AG** and **60AH**.
Check the condition of the airbag computer connector (locking system, connections, etc.).
If the connectors are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.
Check the **continuity** and **insulation** of the following connections:
- **60AG** between components **756** and **1028**,
- **60AH** between components **756** and **1028**.

If the connections are faulty and there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF039 CONTINUED 1	

1.DEF	*NOTES*	None.

Contact the Techline.

2.DEF	*NOTES*	None.

Replace the **driver's side sensor** component code **1028** (see **MR 451, Mechanical, 88C, Airbag and pretensioners, Side impact sensor: Removal - Refitting**).

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF039 CONTINUED 2	

4.DEF	*NOTES*	None.

Lock the computer with command **VP006 Lock computer** using the **diagnostic tool**.
Check that the driver's side sensor is connected correctly and check its connections.
Check the condition of the connections on the airbag computer connector, component code **756**, between connections **60AG** and **60AH**.
If the connectors are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.
Check the **continuity** and **insulation** of the following connections:
- **60AG** between components **756** and **1028**,
- **60AH** between components **756** and **1028**.

If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF040 PRESENT	PASSENGER SIDE SENSOR CIRCUIT CC.O: Short circuit to earth CC.1: Short circuit to +12 V 1.DEF: Configuration 2.DEF: Sensor internal electronic fault 3.DEF: No communication 4.DEF: Component in poor condition

NOTES	**Special notes**: Use adapter **Elé. 1830 or Elé. 1484-10** to work on the computer connector.
	Use the **Technical Note Wiring Diagrams for DUSTER**.

CC.0 **CC.1** **3.DEF**	***NOTES***	None.

Lock the computer with command **VP006 Lock computer** using the **diagnostic tool**.
Check that the passenger side sensor, component code **1029**, is connected correctly and check its connections.
Check the condition of the connections on the airbag computer connector, component code **756**, between connections **60AF** and **60AJ**.
Check the condition of the airbag computer connector (locking system, connections, etc.).
If the connectors are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.
Check the **continuity** and **insulation** of the following connections:
- **60AF** between components **756** and **1029**,
- **60AJ** between components **756** and **1029**.

If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF040 CONTINUED 1	

1.DEF	*NOTES*	None.

Contact the Techline.

2.DEF	*NOTES*	None.

Replace the passenger side sensor, component code **1029** (see **MR 451, Mechanical, 88C, Airbag and pretensioners, Side impact sensor: Removal - Refitting**).

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF040 CONTINUED 2	

4.DEF	*NOTES*	None.

Lock the computer with command **VP006 Lock computer** using the **diagnostic tool**.
Check that the passenger side sensor, component code **1029**, is connected correctly and check its connections.
Check the condition of the connections on the airbag computer connector, component code **756**, between connections **60AF** and **60AJ**.
If the connectors are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.
Check the **continuity** and **insulation** of the following connections:
- **60AF** between components **756** and **1029**,
- **60AJ** between components **756** and **1029**.

If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF044 PRESENT	IMPACT SIGNAL CIRCUIT CC.1: Short circuit to +12 V CO.0: Open circuit or short circuit to earth

NOTES	There is no **impact signal circuit** on **DUSTER**.

Use **LC029 Impact signal connection** to check that the computer configuration is **WITHOUT** (the computer is configured to **WITH** by default).
If this is not the case, configure the computer to **WITHOUT** using **CF211**.

If the fault is still present, contact the Techline.

AFTER REPAIR	Clear the computer fault memory. Switch off the ignition. Carry out the check again using the diagnostic tool and, if there is no fault, unlock the computer.

DF068 PRESENT	PASSENGER FRONT CHEST-LEVEL SIDE AIRBAG CIRCUIT CO: Open circuit CC: Short circuit CC.0: Short circuit to earth CC.1: Short circuit to +12 V 1.DEF: Configuration 2.DEF: Short circuit between trigger lines

NOTES	If **1.DEF**, check and modify the computer configuration.
	Special notes: Never carry out any measuring procedures on the trigger lines with any tool other than the **CLIP** tool. Use adapter **Elé. 1830 or Elé. 1484-10** to work on the computer connector.
	Use the **Technical Note Wiring Diagrams for DUSTER**.

CO - CC	***NOTES***	**Special notes:** Correct the trigger line configuration if the vehicle is not fitted with passenger front side thorax airbags>

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Disconnect the airbag computer connector, component code **756**, and fit **adapter Elé. 1830**.
The **CLIP** or **XRBAG tool** must be used to measure the resistance on the adapter **cable marked D**.

AFTER REPAIR	Reconnect the computer and component **1027**, then switch on the ignition. Clear the computer memory. Switch off the ignition. Carry out the check again using the diagnostic tool and, if there is no fault, unlock the computer. When replacing the airbag module (component **1027**), do not forget to reconnect the earth on the new module. Destroy component **1027** if it has been replaced (tool **Elé. 1287**).

DF068 CONTINUED 1	

If the value obtained is correct on **cable D** of the adapter, check the condition of the connections on the airbag computer connector between connections 60BB and **60BC**.

If the value obtained is incorrect on cable D of the adapter, check the condition of the connections on the airbag computer connector between connections **60BB** and **60BC**.
If the connectors are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.

Strip down the passenger seat and check that intermediate connection **R334** is correctly connected.
Disconnect connection **R334**, connect a dummy ignition module to connection **R334**, and measure again the resistance on **cable D**.
If the value obtained is correct, replace component **1027** (see **MR 451, Mechanical, 88C, Airbag and pretensioners, Front (chest) side airbag: Removal - Refitting**).
If the value remains incorrect, the wiring is faulty between the airbag computer and connection **R334** on connections **60BB** and **60BC**.
If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

Check **the continuity, insulation** and **the absence of interference resistance** of the following connection:
NAP between component **1027** and **earth**.
If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR	Reconnect the computer and component **1027**, then switch on the ignition. Clear the computer memory. Switch off the ignition. Carry out the check again using the diagnostic tool and, if there is no fault, unlock the computer. When replacing the airbag module (component **1027**), do not forget to reconnect the earth on the new module. Destroy component **1027** if it has been replaced (tool **Elé. 1287**).

DF068 CONTINUED 2	

CC.1 – CC.0	*NOTES*	None.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Disconnect the airbag computer connector, component code **756**, and fit **adapter Elé. 1830**.
The **CLIP** or **XRBAG tool** must be used to measure the resistance on the adapter **cable marked D**.

If the value obtained is correct on **cable D** of the adapter, check the condition of the connections on the airbag computer connector between connections **60BB** and **60BC**.
If the connector is faulty and there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.
If the value obtained is incorrect, the wiring is faulty between the airbag computer, component code **756**, and connection **R334** on connections **60BB** and **60BC**.
If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR	Reconnect the computer and component **1027**, then switch on the ignition. Clear the computer memory. Switch off the ignition. Carry out the check again using the diagnostic tool and, if there is no fault, unlock the computer. When replacing the airbag module (component **1027**), do not forget to reconnect the earth on the new module. Destroy component **1027** if it has been replaced (tool **Elé. 1287**).

DF068 CONTINUED 3	

Check the **continuity, insulation** and **absence of interference resistance** on the following connections:
- **NAP** between component **1027** and **earth**.

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

2.DEF	*NOTES*	**Special notes**: This fault corresponds to the detection of a short circuit between 2 trigger lines.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Check the **insulation** of the circuits of the two ignition modules concerned.
Concerned connections of component **1027**:
- **60BB** and **60BC** of component **1027**.

If there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

AFTER REPAIR	Reconnect the computer and component **1027**, then switch on the ignition. Clear the computer memory. Switch off the ignition. Carry out the check again using the diagnostic tool and, if there is no fault, unlock the computer. When replacing the airbag module (component **1027**), do not forget to reconnect the earth on the new module. Destroy component **1027** if it has been replaced (tool **Elé. 1287**).

DF077 PRESENT	DRIVER'S CHEST-LEVEL FRONT SIDE AIRBAG CIRCUIT CO: Open circuit CC: Short circuit CC.0: Short circuit to earth CC.1: Short circuit to +12 V 1.DEF: Configuration 2.DEF: Short circuit between trigger lines

NOTES	If **1.DEF,** check and modify the computer configuration.
	Special notes: Never carry out any measuring procedures on the trigger lines with any tool other than the **CLIP** tool. Use adapter **Elé. 1830 or Elé. 1484-10** to work on the computer connector.
	Use the **Technical Note Wiring Diagrams for DUSTER**.

CO - CC	***NOTES***	**Special notes:** Correct the trigger line configuration if the vehicle is not fitted with passenger front side thorax airbags.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Disconnect the airbag computer connector, component code **756**, and fit **adapter Elé. 1830 or Elé. 1484-10**.
The **CLIP** or **XRBAG tool** must be used to measure the resistance on the adapter **cable marked C**.

AFTER REPAIR	Reconnect the computer and component **1026**, then switch on the ignition. Clear the computer memory. Switch off the ignition. Carry out the check again using the diagnostic tool and, if there is no fault, unlock the computer. When replacing the airbag module (component **1026**), do not forget to reconnect the earth on the new module. Destroy component **1026** if it has been replaced (tool **Elé. 1287**).

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DF077 CONTINUED 1	

If the value obtained is correct, on cable C of the adapter, check the condition of the connections on the airbag computer connector between connections **60AB** and **60AC**.

If the value obtained is incorrect, on cable C of the adapter, check the condition of the connections on the airbag computer connector between connections **60AB** and **60AC**.
If the connectors are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.

Strip down the driver's seat and check that intermediate connection **R335** is correctly connected.
Disconnect connection **R335**, connect a dummy ignition module to connection **R335**, and measure again the resistance on **cable C**.
If the value obtained is correct, replace component **1026** (see **MR 451, Mechanical, 88C, Airbag and pretensioners, Front (chest) side airbag: Removal - Refitting**).
If the value remains incorrect, the wiring is faulty between the airbag computer and the connector of component **1026** on connections **60AB** and **60AC**.
If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR	Reconnect the computer and component **1026**, then switch on the ignition. Clear the computer memory. Switch off the ignition. Carry out the check again using the diagnostic tool and, if there is no fault, unlock the computer. When replacing the airbag module (component **1026**), do not forget to reconnect the earth on the new module. Destroy component **1026** if it has been replaced (tool **Elé. 1287**).

DF077 CONTINUED 2	

Check the **continuity, insulation** and **absence of interference resistance** on the following connections:
- **NAP** between component **1026** and **earth**.

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

CC.1 – CC.0	*NOTES*	None.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Disconnect the **airbag computer** connector, component code **756**, and fit **adapter Elé. 1830 or Elé. 1484-10**.
The **CLIP** or **XRBAG tool** must be used to measure the resistance on the adapter **cable marked C**.

If the value obtained is correct, on **cable C** of the adapter, check the condition of the connections on the airbag computer connector between connections **60AB** and **60AC**.
If the connector is faulty and there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.

If the value obtained is incorrect, the wiring is faulty between the airbag computer and connection **R335**.
If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR	Reconnect the computer and component **1026**, then switch on the ignition. Clear the computer memory. Switch off the ignition. Carry out the check again using the diagnostic tool and, if there is no fault, unlock the computer. When replacing the airbag module (component **1026**), do not forget to reconnect the earth on the new module. Destroy component **1026** if it has been replaced (tool **Elé. 1287**).

DF077 CONTINUED 3	

2.DEF	*NOTES*	**Special notes**: This fault corresponds to the detection of a short circuit between 2 trigger lines.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Check that the circuits of the two ignition modules concerned are insulated.
Concerned connections of component **1026**:
- **60AB** and **60AC** of component **1026**.

If there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

AFTER REPAIR	Reconnect the computer and component **1026**, then switch on the ignition. Clear the computer memory. Switch off the ignition. Carry out the check again using the diagnostic tool and, if there is no fault, unlock the computer. When replacing the airbag module (component **1026**), do not forget to reconnect the earth on the new module. Destroy component **1026** if it has been replaced (tool **Elé. 1287**).

DF091 PRESENT	AIRBAG LOCKING SWITCH CIRCUIT CC.0: Short circuit to earth CC.1: Open circuit or short circuit to + 12 volts 1.DEF: Configuration 2.DEF: Consistency

NOTES	If **1.DEF,** check and modify the computer configuration.
	Special notes: Lock the computer via command **VP006 Lock computer** using the **diagnostic tool**.
	Use the **Technical Note Wiring Diagrams for DUSTER**.

CC.0	***NOTES***	None.

Check the condition of the computer connector, component code **756** (locking system, connections etc.).
Check the condition of the connector of the **passenger airbag inhibition** key, component code **1441**.
If the connectors are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.
Check the **insulation** against **earth** and the **continuity** on the following connections:

- **60DS** between components **756** and **1441**,
- **60DT** between components **756** and **1441**.

If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF091 CONTINUED 1	

CO.1	*NOTES*	None.

Check the condition of the computer connector, component code **756** (locking system, connections etc.).
Check the condition of the connector of the **passenger airbag inhibition** key, component code **1441**.
If the connectors are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.
Check the **insulation** against **+ after ignition feed** and the **continuity** on the following connections:

- **60DS** between components **756** and **1441**,
- **60DT** between components **756** and **1441**.

If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF091 CONTINUED 2	

2.DEF	*NOTES*	Check the consistency of **PR147 Airbag locking circuit impedance**.

Check the condition of the computer connector (locking system, connections etc.).
Check the condition of the connections on the intermediate connection **R292**.
Check the condition of the wiring.
Check the insulation and the continuity on connections **60DS** and **60DT** between components **756** and connection **R292**.
If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.
Check the **connector of the passenger airbag locking switch**, component code **1441**.
Check the condition of the connections on the intermediate connection **R292**.
Check the condition of the wiring.
Check the insulation and the continuity on connections **60DS** and **60DT** between connection **R292** and the connector of the passenger airbag locking switch.
If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF165 PRESENT	AIRBAG FAULT WARNING LIGHT CIRCUIT CC.1: Short circuit to +12 volts CO.0: Open circuit or short circuit to earth.

NOTES	**Special notes**: Use adapter **Elé. 1830 or Elé. 1484-10** to work on the computer connector.
	Use the **Technical Note Wiring Diagrams for DUSTER**.

CC.1	***NOTES***	None.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Check the condition of the warning light bulb.
Check the **insulation** to **+12 V** on connection **60A** between the instrument panel, component code **247**, and the airbag computer, component code **756**.
If the connection is faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF165 CONTINUED 1	

CO.0	*NOTES*	None.

Warning light off under + after ignition feed

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Check the status of the airbag fault warning light.
Check **the continuity** on connection **60A** between components **247** and **756**.
Check for **+12 V** on connection **60A** (on the warning light) of component **247**.
If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.
If the checks carried out did not show the presence of a fault, disconnect the computer connector and fit **Elé. 1830** or **Elé. 1484-10**.
Use the **CLIP tool** function for testing the instrument panel warning light, component code **247**, using the **grey cable marked 1** of adapter **Elé**. **1830 or Elé. 1484-10**.
If the warning light can be illuminated by the tool, replace the airbag computer, component code **756** (see **MR 451, Mechanical, 88C, Airbag and pretensioners, Airbag computer: Removal - Refitting**).
If not, repeat the checks described previously.

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF165 CONTINUED 2	

Warning light on under + after ignition feed

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Disconnect the airbag computer and check for the presence, on the base, of the **7 pins** which open the connector shunts.
Check the **insulation** from **earth** on connection **60A** between components **247** and **756**.
If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF166 PRESENT	DRIVER'S SEAT BELT INERTIA REEL CIRCUIT CO: Open circuit CC: Short circuit CC.0: Short circuit to earth CC.1: Short circuit to +12 V 1.DEF: Configuration 2.DEF: Short circuit between trigger lines

NOTES	If **1.DEF,** check and modify the **computer configuration**.
	Special notes: Never carry out measuring operations on trigger lines using any tool other than **CLIP** or **XRBAG**. Use the **50-track or 30-track adapter Elé. 1830 or Elé. 1484-10** for operations on the **computer** connector, and the **2-track adapter B35** for operations on the **inertia reel** connector.
	Use the **Technical Note Wiring Diagrams for DUSTER**.

CO - CC	***NOTES***	None.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Switch off the ignition and check that the connector of the **driver's side front inertia reel**, component code **1363**, is correctly connected.
Check the **condition** and **connection** of the connector of the **driver's side front inertia reel**, component code **1363**.
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	Reconnect the computer and the driver's front inertia reel before switching the ignition back on. Clear the computer fault memory. Switch off the ignition. Carry out another test using the diagnostic tool and if there are no faults, unlock the computer. If the inertia reel has been replaced, destroy the old one (tool **Elé. 1287**).

DF166 CONTINUED 1	

Fit the **2-track adaptor B35**.
The **CLIP** or **XRBAG** tool must be used to measure the resistance.
If the value obtained is incorrect, the driver's side front inertia reel is faulty.
Replace the driver's side front inertia reel, component code **1363** (see **MR 451, Mechanical, 88C, Airbags and pretensioners, Airbag computer: Removal - Refitting).**

Check the **condition** and **connection** of the **computer connectors**, component code **756**.
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.

Fit the **50-track or 30-track** adapter **Elé. 1830 or Elé. 1484-10**.
The **CLIP** or **XRBAG** tool must be used to measure the resistance on **cable E** of the adapter.
If the value obtained is incorrect, the wiring, connections **60CM** and **60CN**, between the computer and the **driver's side front inertia reel connector** (**C0/C3**) is faulty.
If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR	Reconnect the computer and the driver's front inertia reel before switching the ignition back on. Clear the computer fault memory. Switch off the ignition. Carry out another test using the diagnostic tool and if there are no faults, unlock the computer. If the inertia reel has been replaced, destroy the old one (tool **Elé. 1287**).

DF166 CONTINUED 2	

CC.0 - CC.1	*NOTES*	None.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.

Switch off the ignition, and check the **condition** and **connection** of the connector of the **driver's side front inertia reel**, component code **1363**.
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.

Fit the **2-track adaptor B35**.
The **CLIP** or **XRBAG** tool must be used to measure the insulation appropriate to the type of fault.
If the value obtained is incorrect, the driver's side front inertia reel is faulty.
Replace the driver's side front inertia reel, component code **1363** (see **MR 451, Mechanical, 88C, Airbags and pretensioners, Airbag computer: Removal - Refitting**).

Check the **condition** and **connection** of the **airbag computer** connectors, component code **756**.
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.

Fit the **50-track or 30-track** adapter **Elé. 1830 or Elé. 1484-10**.
The **CLIP** or **XRBAG** tool must be used to correctly measure the insulation appropriate to the type of fault on adapter **cable E**.
If the value obtained is incorrect, the wiring, connections **60CM** and **60CN**, between the computer and the **driver's side front inertia reel** connector (**C0/C3**) is faulty.

If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR	Reconnect the computer and the driver's front inertia reel before switching the ignition back on. Clear the computer fault memory. Switch off the ignition. Carry out another test using the diagnostic tool and if there are no faults, unlock the computer. If the inertia reel has been replaced, destroy the old one (tool **Elé. 1287**).

DF166 CONTINUED 3	

2. DEF	***NOTES***	**Special notes**: This fault corresponds to the detection of a short circuit between 2 trigger lines.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Check that the circuits of the two ignition modules concerned are insulated.
Concerned connections of component **1363**:
- **60CM** and **60CN** of component **1363**.

If there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR	Reconnect the computer and the driver's front inertia reel before switching the ignition back on. Clear the computer fault memory. Switch off the ignition. Carry out another test using the diagnostic tool and if there are no faults, unlock the computer. If the inertia reel has been replaced, destroy the old one (tool **Elé. 1287**).

DF167 PRESENT	PASSENGER SEAT BELT INERTIA REEL CIRCUIT CO: Open circuit CC: Short circuit CC.0: Short circuit to earth CC.1: Short circuit to +12 V 1.DEF: Configuration 2.DEF: Short circuit between trigger lines

NOTES	If **1.DEF,** check and modify the **computer configuration**.
	Special notes: Never carry out measuring operations on trigger lines using any tool other than **CLIP** or **XRBAG**. Use the **50-track or 30-track adapter Elé. 1830 or Elé. 1484-10** for operations on the **computer** connector, and the **2-track adapter B35** for operations on the **inertia reel** connector.
	Use the **Technical Note Wiring Diagrams for DUSTER**.

CO - CC	***NOTES***	None.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.

Switch off the ignition and check that the connector of the **passenger side front inertia reel**, component code **1364**, is correctly connected.
Check the **condition** and **connection** of the connector of the **passenger side front inertia reel**, component code **1364**.
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	Reconnect the computer and the driver's front inertia reel before switching the ignition back on. Clear the computer fault memory. Switch off the ignition. Carry out another test using the diagnostic tool and if there are no faults, unlock the computer. If the inertia reel has been replaced, destroy the old one (tool **Elé. 1287**).

DF167 CONTINUED 1	

Fit the **2-track adaptor B35**.
The **CLIP** or **XRBAG** tool must be used to measure the resistance.
If the value obtained is incorrect, the front passenger side seat belt inertia reel is faulty.
Replace the passenger side front inertia reel, component code **1364** (see **MR 451, Mechanical, 88C, Airbags and pretensioners, Airbag computer: Removal - Refitting**).

Check the **condition** and **connection** of the **airbag computer** connectors, component code **756**.
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.

Fit the **50-track or 30-track** adapter **Elé. 1830 or Elé. 1484-10**.
The **CLIP** or **XRBAG** tool must be used for checking the resistance on **cable F** of the adapter.
If the value obtained is incorrect, the wiring, connections **60CP** and **60CQ**, between the computer and the **passenger side front inertia reel** connector (**C0/C3**) is faulty.

If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR	Reconnect the computer and the driver's front inertia reel before switching the ignition back on. Clear the computer fault memory. Switch off the ignition. Carry out another test using the diagnostic tool and if there are no faults, unlock the computer. If the inertia reel has been replaced, destroy the old one (tool **Elé. 1287**).

DF167 CONTINUED 2	

CC.0 - CC.1	*NOTES*	None.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.

Switch off the ignition, and check the **condition** and **connection** of the connectors of the **passenger side front inertia reel**, component code **1364**.
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.

Fit the **2-track adaptor B35**.
The **CLIP** or **XRBAG** tool must be used to measure the insulation appropriate to the type of fault.
If the value obtained is incorrect, the front passenger side seat belt inertia reel is faulty.
Replace the passenger side front inertia reel, component code **1364** (see **MR 451, Mechanical, 88C, Airbags and pretensioners, Airbag computer: Removal - Refitting**).

Check the **condition** and **connection** of the **airbag computer** connectors, component code **756**.
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.

Fit the **50-track** or **30-track** adapter **Elé. 1830 or Elé. 1484-10**.
The **CLIP** or **XRBAG** tool must be used to correctly measure the insulation for the type of fault on adapter **cable F**.
If the value obtained is incorrect, the wiring, connections **60CP** and **60CQ**, between the computer and the **passenger side front inertia reel** connector (**C0/C3**) is faulty.

If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR	Reconnect the computer and the driver's front inertia reel before switching the ignition back on. Clear the computer fault memory. Switch off the ignition. Carry out another test using the diagnostic tool and if there are no faults, unlock the computer. If the inertia reel has been replaced, destroy the old one (tool **Elé. 1287**).

DF167 CONTINUED 3	

2. DEF	***NOTES***	**Special notes**: This fault corresponds to the detection of a short circuit between 2 trigger lines.

Lock the computer via the command **VP006 "Lock computer"**, using the **diagnostic tool**.
Check that the circuits of the two ignition modules concerned are insulated.
Concerned connections of component **1364**:
- **60CP** and **60CQ** of component **1364**.

If there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

AFTER REPAIR	Reconnect the computer and the driver's front inertia reel before switching the ignition back on. Clear the computer fault memory. Switch off the ignition. Carry out another test using the diagnostic tool and if there are no faults, unlock the computer. If the inertia reel has been replaced, destroy the old one (tool **Elé. 1287**).

DF193 PRESENT OR STORED	PASSENGER AIRBAG LOCKING CHANGE OF STATUS

NOTES	**Special notes:** The vehicle user has **10 seconds** after switching on **+ after ignition feed** to inhibit the passenger airbag using the key. After this time, the computer will store this fault and light up the warning light on the instrument panel. Switching the ignition off and on restores system operation.

Set the locking switch to the desired position, switch the ignition off and wait for a few seconds. Switch on the ignition again and clear the computer fault memory using command **RZ001 Fault memory**.
If the fault is still present, contact the Techline.

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF194 PRESENT	COMPUTER TO BE REPLACED FOLLOWING IMPACT

NOTES	None.

Consult scenario **SC004 Read impact context**.
Replace all the pyrotechnic components activated at the time of impact.
Replace the airbag computer, component code **756**.

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF232 PRESENT	DRIVER'S SEAT BELT BUCKLE SENSOR CIRCUIT CC.1: Short circuit to +12 V 1.DEF: Configuration

NOTES	If **1.DEF,** check and modify the computer configuration.
	Special notes: Use the **50-track or 30-track adapter Elé. 1830 or Elé. 1484-10** to work on the computer connector.
	Use the **Technical Note Wiring Diagrams** for **DUSTER**.

CC.1	***NOTES***	None.

Check the **condition** and **connection** of the airbag computer connectors, component code **756**. 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 **intermediate connection R146**. 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	Clear the computer fault memory. Switch off the ignition. Carry out another check using the **diagnostic tool**.

DF232 CONTINUED	

Check the **condition** and **connection** of the **driver's seat belt buckle sensor** connectors, component code **333**. 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 **continuity, insulation** and **absence of interference resistance** on the following connections: • **60DU** between components **333** and **756**, • **60DV** between components **333** and **756**. If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.
If the fault is still present, replace the **driver's seat belt buckle sensor**, component code **333**.
If the fault is still present, contact the Techline.

AFTER REPAIR	Clear the computer fault memory. Switch off the ignition. Carry out another check using the **diagnostic tool**.

DF233 **PRESENT**	PASSENGER SEAT BELT BUCKLE SENSOR CC.1: Short circuit to +12 V 1.DEF: Configuration

NOTES	If **1.DEF,** check and modify the computer configuration.
	Special notes: Use the **50-track or 30-track adapter Elé. 1830 or Elé. 1484-10** to work on the computer connector.
	Use the **Technical Note Wiring Diagrams** for **DUSTER**.

CC.1	***NOTES***	None.

Check the **condition** and **connection** of the airbag computer connectors, component code **756**. 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 **intermediate connection R146**. 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	Clear the computer fault memory. Switch off the ignition. Carry out another check using the **diagnostic tool**.

DF233 CONTINUED	

Check the **condition** and **connection** of the **passenger seat belt buckle sensor** connectors, component code **486**. 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 **continuity, insulation** and **absence of interference resistance** on the following connections: • **60GH** between components **486** and **756**, • **60GK** between components **486** and **756**. If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.
If the fault is still present, replace the **passenger seat belt buckle sensor**, component code **486**.
If the fault is still present, contact the Techline.

AFTER REPAIR	Clear the computer fault memory. Switch off the ignition. Carry out another check using the **diagnostic tool**.

DF234 PRESENT	PASSENGER PRESENCE DETECTION SENSOR CIRCUIT CC.1: Short circuit to +12 V 2.DEF: Values outside of limits 1.DEF: Configuration

NOTES	If **1.DEF,** check and modify the computer configuration.
	Special notes: Use the **50-track or 30-track adapter Elé. 1830 or Elé. 1484-10** for operations on the computer connector, and the **8-track adapter Elé. 1617** for operations on the seat.
	Use the **Technical Note Wiring Diagrams** for **DUSTER**.

Check the **condition** and **connection** of the **airbag computer** connectors, component code **756**.
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 **intermediate connection R146**.
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	Clear the computer fault memory. Switch off the ignition. Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF234 CONTINUED	

Check the **condition** and **connection** of the **passenger presence detection sensor** connectors, component code **1576**. 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 **continuity, insulation** and **absence of interference resistance** on the following connections: • **60GL** between components **1576** and **756**, • **60GM** between components **1576** and **756**. If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.
If the fault is still present, replace the **passenger presence detection sensor**, component code **1576**.
If the fault is still present, contact the Techline.

AFTER REPAIR	Clear the computer fault memory. Switch off the ignition. Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF242 PRESENT	LEFT-HAND DRIVE/RIGHT-HAND DRIVE CONFIGURATION 1.DEF: Configuration

NOTES	None.

This fault occurs because left-hand/right-hand drive has not been configured. Configure the computer using command **CF291 Driving side**. Read the driving side configuration **LC088 Driving side** under the **Read configuration** heading.
If the fault is still present, contact the Techline.

AFTER REPAIR	Carry out the check again using the **diagnostic tool** and, if there is no fault, unlock the computer.

DF279 PRESENT	SEAT BELT WARNING LIGHT CIRCUIT CC.1: Short circuit to +12 V CO.0: Open circuit or short circuit to earth.

NOTES	**Special note**: Use adapter **Elé. 1830 or Elé. 1484-10** to work on the computer connector.
	Use the **Technical Note Wiring Diagrams** for **DUSTER**.

CC.1	***NOTES***	None.

Lock the computer with command **VP006 Lock computer** using the diagnostic tool.
Check the **condition** of the **warning light bulb**.
Check the **condition** and **connection** of the connectors of the **airbag computer**, component code **756** and the **seat belt warning module**, component code **1601**.
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** to **+12 V** of the following connections:
- **60CD** between components **756** and **1601**,
- **96A** between components **756** and **1601**.

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

If the fault is still present, contact the Techline.

AFTER REPAIR	Clear the computer fault memory. Switch off the ignition. Carry out another check using the **diagnostic tool**.

DF279 CONTINUED 1	

CO.0	*NOTES*	None.

Warning light **off** under **+** after ignition feed:
Lock the computer with command **VP006 Lock computer** using the diagnostic tool.
Check the **condition** of the **warning light bulb**.
Check the **condition** and **connection** of the connectors of the **airbag computer**, component code **756** and the **seat belt warning module**, component code **1601**.
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** of the **airbag fault warning light**.
Check for **+12 V** on the **airbag computer**, component code **756**, and on the **seat belt warning module**, component code **1601**, on the following connections:
- **60CD** of component **756**,
- **96A** of component **756**.

Check **the continuity, insulation** and **the absence of interference resistance** of the following connection:
- **60CD** between components **756** and **1601**,
- **96A** between components **756** and **1601**.

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

AFTER REPAIR	Clear the computer fault memory. Switch off the ignition. Carry out another check using the **diagnostic tool**.

DF279 CONTINUED 2	

Warning light **illuminated** under **+** after ignition feed:
Lock the computer with command **VP006 Lock computer** using the diagnostic tool.
Disconnect the airbag computer and check for the presence, on the base, of the **7 pins** which open the connector **shunts**.
Check the earth insulation on connections **60CD** and **96A** (except for Middle East countries) between components **1601** and **756**.
If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If the fault is still present, contact the Techline.

AFTER REPAIR	Clear the computer fault memory. Switch off the ignition. Carry out another check using the **diagnostic tool**.

DF425 PRESENT	SEAT BELT REMINDER BUZZER CIRCUIT CC.1: Short circuit to +12 V CO.0: Configuration

NOTES	If **1.DEF,** check and modify the computer configuration.
	Special notes: Use the **50-track or 30-track adapter Elé. 1830 or Elé. 1484-10** to work on the computer connector.
	Use the **Technical Note Wiring Diagrams** for **DUSTER**.

CC.1	***NOTES***	This fault is displayed only if the component is present on the vehicle.

Check the **condition** and **connection** of the **airbag computer connectors**, component code **756**.
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	Clear the computer fault memory. Switch off the ignition. Carry out the check again using the **diagnostic tool** and if there are no faults, unlock the computer.

DF425 CONTINUED	

Check the **condition** and **connection** of the **connectors** of the **intermediate connection**, component code **R146**. 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 **seat belt reminder buzzer connectors,** component code **735**. 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 continuity, insulation** and **the absence of interference resistance** of the following connection: • **96H** between components **735** and **756**. If the connection or connections are faulty and there is a repair procedure (see **Technical Note 6015A, Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.
If the fault is still present, replace the **seat belt reminder buzzer**, component code **735**.
If the fault is still present, contact the Techline.

AFTER REPAIR	Clear the computer fault memory. Switch off the ignition. Carry out the check again using the **diagnostic tool** and if there are no faults, unlock the computer.

NOTES	Only carry out a conformity check after a **complete check** with the **diagnostic tool**. The values shown in this conformity check are given as a guide. **Application condition: engine off, ignition on**.

FUNCTION: MAIN SCREEN

Parameter or status Checked or action		Display and notes	Fault finding
ET144	Fault present or stored	**YES or NO** This status indicates if the computer has detected at least a present or a stored fault.	In the event of a fault, apply the interpretation of the fault concerned.
ET073:	Computer locked by tool	**YES or NO** This status indicates whether or not the computer is locked.	In the event of a fault, apply the interpretation of **DF034 Computer locked**.
ET143:	Passenger airbag(s) locked	**YES or NO** This status indicates the locking of the passenger trigger lines (passenger front airbag, passenger chest-level airbag).	In the event of a fault, apply the interpretation of **DF193 Passenger airbag locking status change**.
ET076:	Computer to be replaced	**YES or NO** This status indicates whether the computer should be replaced or not.	In the event of a fault, apply the interpretation of **DF001 Computer** and **DF194 Computer to be replaced following impact**.

NOTES	Only carry out a conformity check after a **complete check** with the **diagnostic tool**. The values shown in this conformity check are given as a guide. **Application condition: engine off, ignition on.**

FUNCTION: MAIN SCREEN (CONT.)

Parameter or status Checked or action		Display and notes	Fault finding
ET010:	Impact detected.	**YES or NO** This status indicates whether an impact has been detected by the computer.	In the event of a fault, apply the interpretation of **DF194 Computer to be replaced following impact**.
ET074:	Fault warning light activated.	**YES or NO** This status permits a check on the request by the computer for the **airbag fault** indicator light to be lit or not.	In the event of a fault, apply the interpretation of **DF165 Airbag fault warning light circuit**.
ET072:	Passenger airbag status indicator light activated.	**YES or NO** This status permits a check on the request by the computer for the **passenger airbag** indicator light to be lit.	In the event of a fault, apply the interpretation of **DF028 Passenger airbag status indicator circuit.**
PR001:	Computer supply.	This parameter indicates the computer supply voltage. The voltage should be between **9 V < X < 14 V**	In the event of a fault, apply the interpretation of **DF002 Computer supply voltage**.

Tool status	Diagnostic tool title
ET010	Impact detected
ET072	Passenger airbag status indicator light activated
ET073	Computer locked by tool
ET074	Command fault warning light
ET076	Computer to be replaced
ET143	Passenger airbag(s) locked
ET144	Fault present or stored

Tool Parameter	Diagnostic tool title
PR001	Computer feed voltage
PR011	Driver's side airbag resistance
PR012	Passenger side airbag resistance
PR013	Driver's frontal airbag resistance
PR014	Passenger frontal airbag resistance
PR034	Driver's front inertia reel resistance
PR035	Passenger front inertia reel resistance
PR147	Airbag locking circuit impedance
PR148	Passenger detection sensor impedance

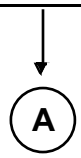
NOTES	**Only refer to the customer complaints after performing a complete check using the diagnostic tool.**

NO DIALOGUE WITH THE AIRBAG COMPUTER	→	**ALP 1**

ALP 1	No communication with the airbag computer

NOTES	None.
	Use the **Technical Note Wiring Diagrams** for **DUSTER**.

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 fault finding line **HK**.
Use a process of successive disconnections to locate this computer.
Check the battery voltage, component code **107**, and make the necessary adjustments to obtain the correct voltage **(10.5 V < battery voltage < 16 V)**.



AFTER REPAIR	When communication is established, deal with any faults indicated.

ALP 1 CONTINUED 1	

A

Check the presence and condition of the airbag computer supply fuse.
Check that the computer connector is properly connected and check the condition of its connections.
If the connectors are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the connector, otherwise replace the wiring.
Check that the supply to the computer is correct:
– disconnect the airbag computer and use adapter **Elé. 1830 or Elé. 1484-10** to work on the computer connector,
– check and ensure the presence of **+ after ignition feed** between connections **AP25** and **NAP**.
If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

B

AFTER REPAIR	When communication is established, deal with any faults indicated.

ALP 1 CONTINUED 2	

B

Check that the **diagnostic socket**, component code **225**, is correctly supplied on the following connections:
- **BP56** and **AP 10** between components **225** and **1016**,
- **MAM** and **NC** of component **225.**

Check the **continuity** and **insulation** of the following connection:
- **HK** between components **225** and **756.**

If the connection or connections are faulty and if there is a repair procedure (see **Technical Note 6015A (Renault) or Technical Note 9804A (Dacia), Electrical wiring repair, Wiring: Precautions for repair**), repair the wiring, otherwise replace it.

If dialogue is still not established after these various checks, replace the **airbag computer**, component code **756** (see **Replacement of components**).

AFTER REPAIR	When communication is established, deal with any faults indicated.