RENAULT

Technical Note 3729A

Vehicles	*Type*
Clio II	XB0X
Mégane	XAXX
Scénic	JAXX
Laguna	XG0X
Avantime	DE0X
Trafic	XLXX
Mégane II	XMXX
Scénic II	JMXX
Vel Satis	BJ0X
Espace IV	JK0X
Master II	XDX X

Navigation system

CARMINAT and TRAFFIC INFO

Top of the range

Edition 5 - November 2008 **Edition Anglaise**

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

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

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WARNING
With this type of navigation system, it is essential to wait for the system to shut down completely (approximately **1 minute**) before disconnecting the battery.

The **CARMINAT** navigation system comprises a screen and a voice synthesiser to provide guidance for the driver.

This system can:

- find a specific location, such as:
  - a road, street or avenue,
  - a hotel
  - public services,
  - a garage or petrol station.
  - etc.

- select guidance modes in order to:
  - optimise journey time,
  - select the shortest distance
  - plan a route travelling on main roads
  - or take the scenic route,
  - avoid tolls.

  Each mode is symbolised by a different icon that appears on the status line on the lower part of the screen.

- store addresses in the address book.

- display road maps of:
  - the present location,
  - or the destination,

- display trip or arrival time (see **Screen**).

- receive written or spoken messages from the **traffic information** system.

Note:
For information on operating the system and descriptions of the various menus, see the system user's manual.

The **Carminat** system uses the **vehicle speed** signal provided by the ABS computer to calculate the distance travelled and the **reversing** information.

A special multiplex network for the **Carminat** function connects the navigation computer, the Central Communication Unit and screen, the Central Display Unit and radio (depending on the vehicle's equipment).

This system uses the following to function:
– a Central Communication Unit (CCU),
– a console (integrated/not integrated into the Central Communication Unit),
– an electronic navigation computer comprising acceleration sensors (gyroscope) and the navigation CD-ROM reader,
– a satellite link (satellite aerial) allowing the vehicle to be located,
– a screen to display written data and maps,
– a speaker for giving voice instructions,
– a CD ROM with the maps of the country the vehicle is delivered to,
– an FM aerial for traffic information messages.
– a Screen Operation Unit (Mégane II).

NOTE :

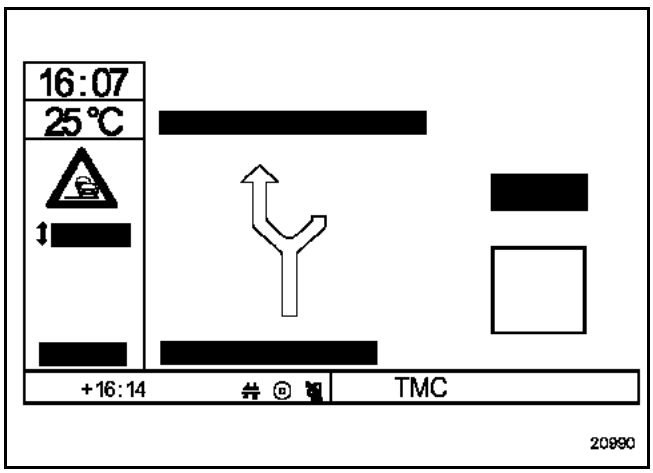
- If the vehicle ignition is switched off, it may take the navigation system a few minutes to determine its exact position (see the **Relocation**) section.
- If the vehicle battery has been disconnected, the system may need up to **20 minutes** to calculate its exact location. The vehicle must therefore be outdoors (with the system running) to pick up the satellite signals with the satellite aerial.
- The system can also operate without valid satellite data. Under these circumstances, there may be a loss of precision in pinpointing exact locations.
- Once the exact position has been located by the satellite system, the on-screen satellite symbol turns from red to green.
- When travelling on the motorway, the distance data provided by the system to indicate exits will differ from the information on the signs. This is because motorway signs calculate distance from the start of the motorway exit, while the CARMINAT system calculates from the end of the exit.

BASIC PRINCIPLES OF THE TRAFFIC INFORMATION SERVICE

When connected to navigation, the system has access to information on traffic conditions: **TMC: Traffic Message Channel**.

The system uses:
– the navigation computer which receives, locates and recognizes the information received,
– the TMC locators on the map CD-ROM,
– the information collected and broadcast (by public authorities) in RDS - TMC format (communications protocol).

WARNING
RENAULT is not responsible for the information collection and broadcasting services in Europe, which are still in development.



Note:
To work, the Navigation CD-ROM software version must be more recent than 2000-1.

Traffic information terminal processing reminders:

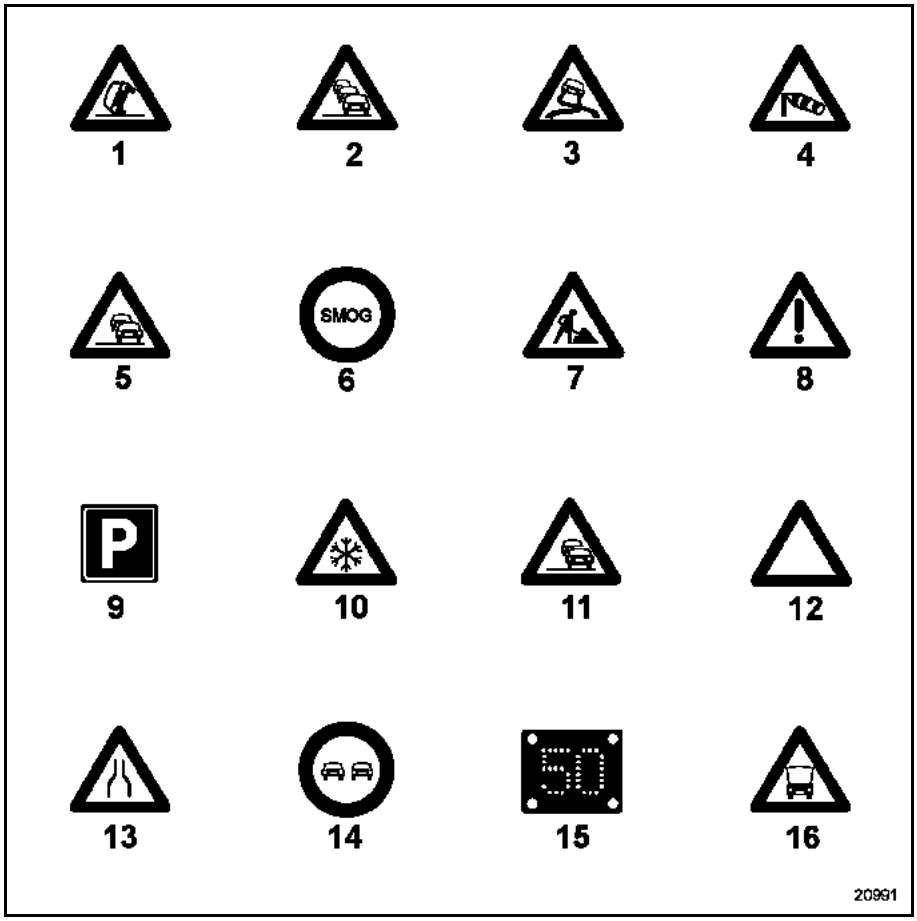
TMC pictogram display logic:
⇒**red** = no traffic information available in this geographic area or poor reception,
⇒**black** = no traffic information locators on the CD-ROM,
⇒**green** = the system is tuned to a frequency that can supply traffic information..

The term **TMC** is replaced with the name of the service operator to which the system is tuned (if the operator broadcasts a name).

The system can display in either text or pictogram form. It suggests a detour if a problem is located on the proposed itinerary.

- The level of disruption is indicated by a pictogram Δ:
  ⇒**green** = traffic problem with detour,
  ⇒**red** = traffic problem without detour,
  ⇒**red (full)** = very serious traffic problem within a radius of **30 miles (50 km)**.

EXAMPLES OF TRAFFIC INFORMATION PICTOGRAMS



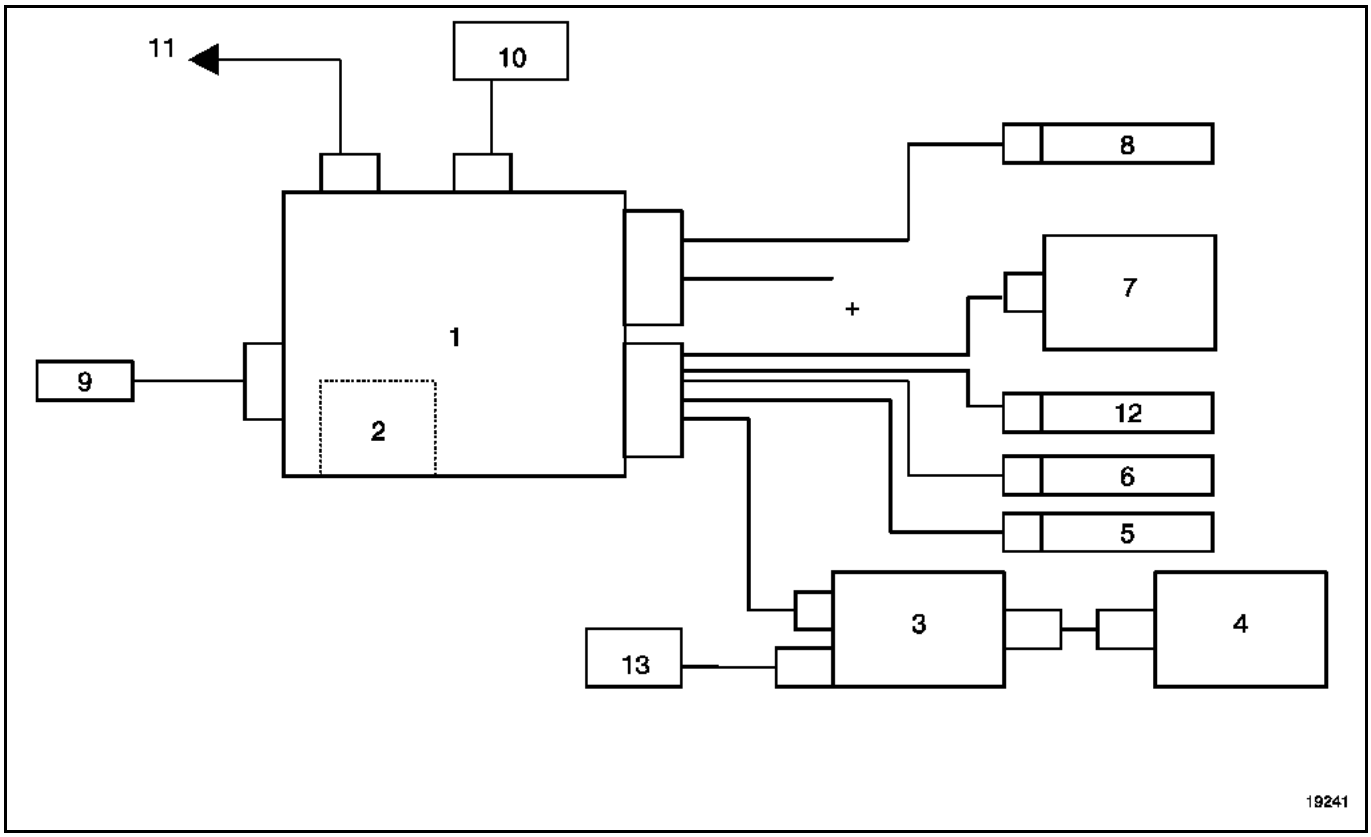
1 Accident
2 Traffic jam
3 Slippery conditions
4 Strong winds
5 Slow traffic
6 Fog
7 Road works
8 Danger
9 Parking possible
10 Bad weather
11 Slow traffic
12 Traffic problems in both directions
13 Road partially closed or narrowed
14 Vehicle travelling in the opposite direction
15 Restricted speed
16 Vehicle breakdown

	Map CD-ROM that covers the country	Spring/ summer 2002 version (2002-B)	Autumn 2002/ Winter 2003 version (2003-A)	Spring/ Summer 2003 version (2003-B)	TMC locator table finding software version (2)
France	France (1)	yes	yes	yes	2000-1
Germany	Germany (1)	yes (100%)	yes (100%)	yes (100%)	1999-1
Great Britain	UK/Irish Republic	yes (100%)	yes (100%)	yes (100%)	Not applicable
Ireland	UK/Irish Republic	start	yes	yes	Not applicable
Switzerland	Switzerland/ Austria	yes	yes (100%)	yes	2001-a
Austria	Switzerland/ Austria	yes	yes	yes (100%)	Autumn/Winter 2001
Holland	Benelux	yes (100%)	yes (100%)	yes (100%)	1999-1
Spain	Espana/ Portugal	yes	yes	yes	Autumn/Winter 2001
Italy	Italy (1)	yes	yes	yes	2000-1
Belgium	Benelux	yes	yes	yes (100%)	1999-1
Luxembourg	Benelux	yes	yes	yes (100%)	Not applicable
Portugal	Espana/ Portugal	yes	yes	yes	Not applicable
Sweden	Sweden/ Denmark	yes	yes	yes (100%)	Spring/Summer 2002
Denmark	Sweden/ Denmark	yes	yes	yes (100%)	Spring/Summer 2002
Finland	Scandinavia	no	no	start (Helsinki, Tampere)	Not applicable
Norway	Scandinavia	no	no	Akershus and ∅stfold	Not applicable
Czech Republic	Switzerland/ Austria	no	start (Prague + main roads)	2003-A + (Brno, Plzen, Ostrava, Karlovy Vary)	Not applicable
Slovakia	Switzerland/ Austria	no	no	start (Bratislava and main roads)	Not applicable
Poland	---	no	no	no	Not applicable
Hungary	---	no	no	no	Not applicable

(1) The France/Germany/Italy border zones are available on the Switzerland/Austria CD-ROM.
(2) The TMC locator tables enable drivers to receive traffic information if it is broadcast in the country concerned (more specifically, they enable the broadcast events to be located on the map).

DIAGRAM

1 Central Communications Unit
2 Console
3 Carminat computer (CD-ROM reader)
4 Screen
5 Seat belt information (for display)
6 External temperature information (for display)
7 Radio
8 Voice synthesiser speaker
9 Steering wheel radio control
10 Radio aerial
11 Radio connection (mute)
12 Vehicle's multiplex connection
13 Satellite aerial

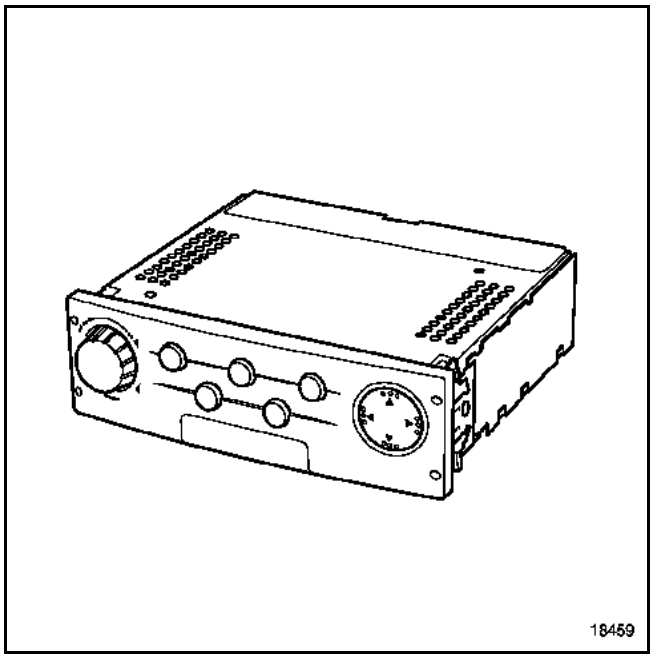


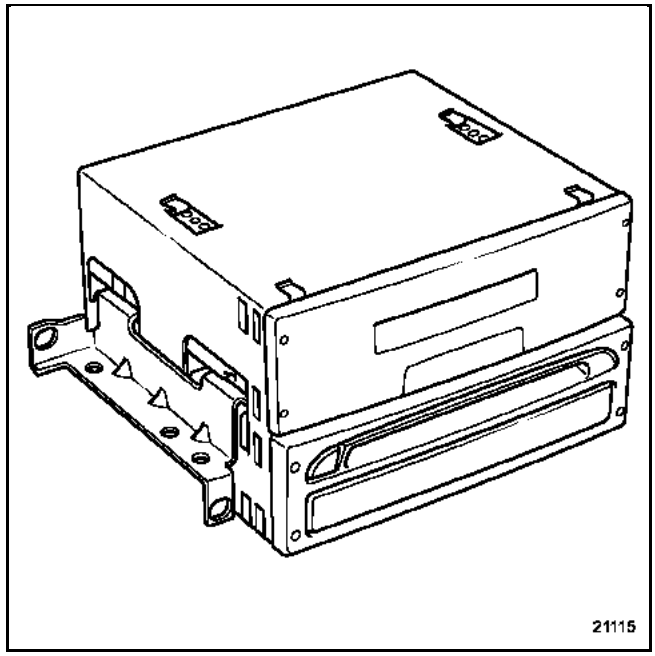
WARNING
When replacing a navigation system component, it is essential to check that the software is compatible with the navigation CD-ROM reader, the Central Communication Unit, and the languages CD-ROM.

System software version	Central Communication Unit version read from menus	Navigation CD-ROM reader version read from menus	Languages CD-ROM	Application	Notes on Changes
2 A	2.4	nav: 0182 csb: 1.80 or 1.82	2.5 (1)	03/2001	-
2 B (2)		nav: 0196 csb: 1.80 or 1.82	2.5 (1)	01/2003	● new traffic information messages
3	3.63	nav: 0304 csb: 3.00	3.0 (1)	01/2002	● alternative route suggestion ● new rotary knob functions
3 A	3.67	nav: 0350 csb: 3.00 or 3.01	3.5 (1)	-	-
3 B	-	never used	-	-	-
3 C (2)	3.67	nav: 0376 csb: 3.00 or 3.01	All versions CD-ROM	01/2003	● new traffic information messages
4	4.51	nav: 0434 csb: 4.31 or 4.32	4.0 (1)	10/2002	● screen monitor
4 A (2)	4.60	nav: 0457 csb: 4.31 or 4.32	All versions CD-ROM	02/2003	● new traffic information messages
4 B	-	-	-	04/2003	● restricted access

(1) **Languages CD - NAV5 all versions** compatible.
(2) Software upgrade using the **Languages CD - NAV5 all versions** CD-ROM.

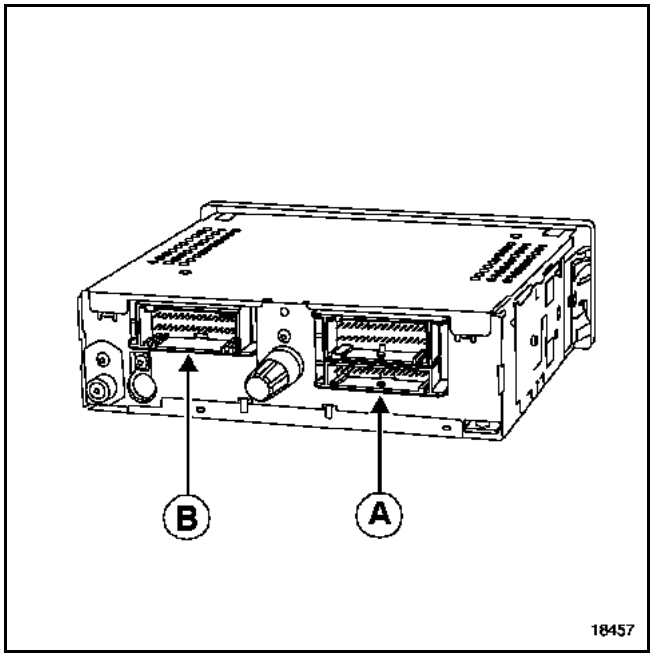
Depending on the vehicle, the Central Communication Unit may have a console.



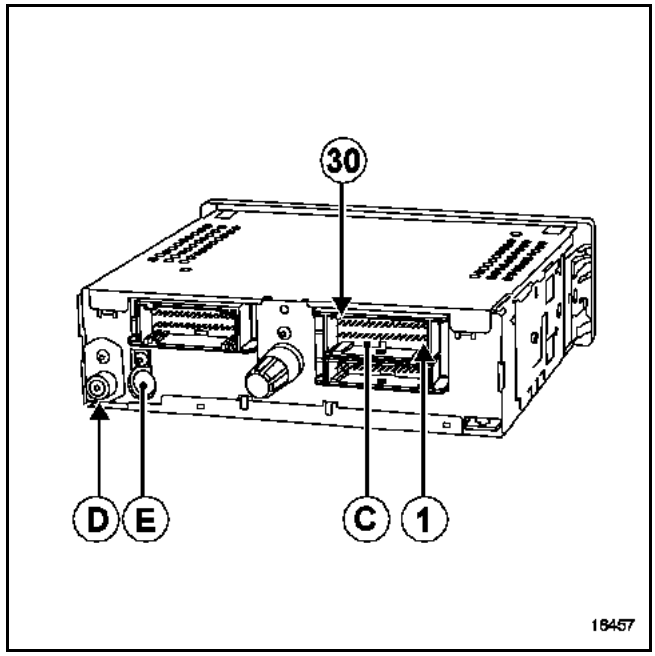


The Central Communication Unit can:
- adjust the clock,
- act as a go-between for the vehicle's multiplex network and the Carminat system network,
- use multiplex data (depending on the vehicle),
- manage the car radio control on the steering wheel or the console (depending on the vehicle equipment),
- control braking conditions, and the vehicle and system configurations,
- control the screen display (with the navigation CD-ROM reader),
- receive written or spoken messages from the **traffic information** system (via the aerial),
- manage voice synthesiser and navigation messages,
- transfer data from the radio for display.

CONNECTIONS



See Technical Note **Wiring diagrams, vehicle, code 1125**.

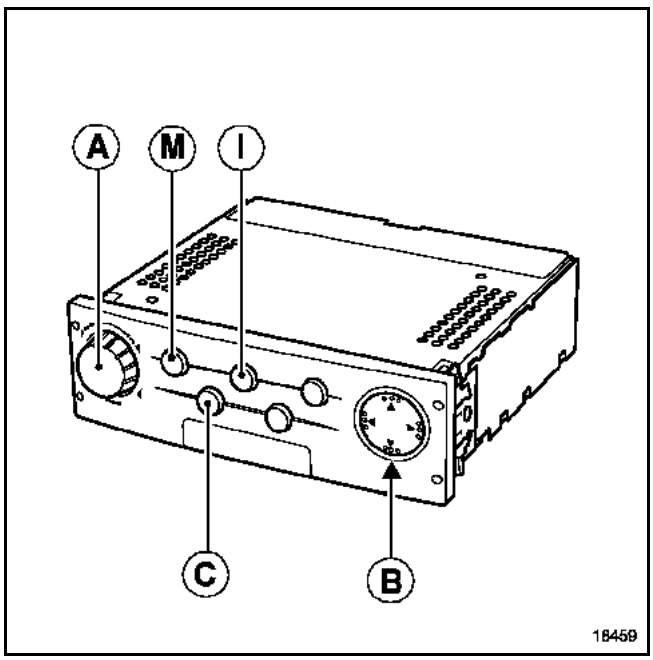


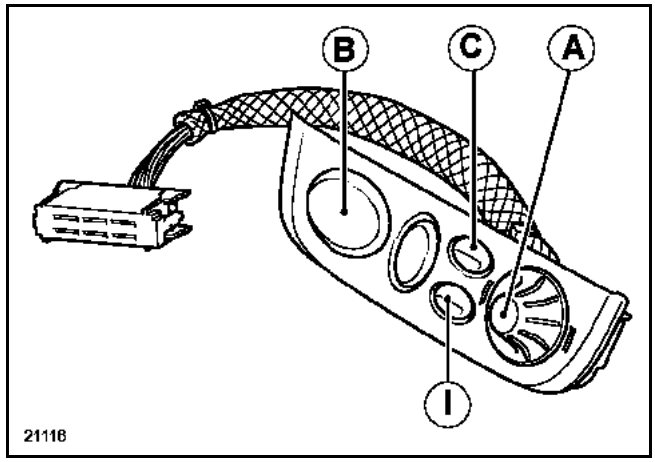
See Technical Note **Wiring diagrams, vehicle, code 1125**.

The console may be integrated into the Central Communication Unit or independent, depending on the vehicle.

It comprises:

- a rotary knob (**A**), used for:
  - navigating the various menus,
  - confirming,
- a button (**B**), used for:
  - scrolling through the menu in manual mode,
  - selecting options in the different menus,
- a menu button (**M**) (depending on the vehicle) which allows you to return to the main menu,
- a button (**I**) which repeats audio messages,
- a button (**C**) which switches off audio messages,
- buttons (+) and (-) which increase and reduce the volume of audio messages.





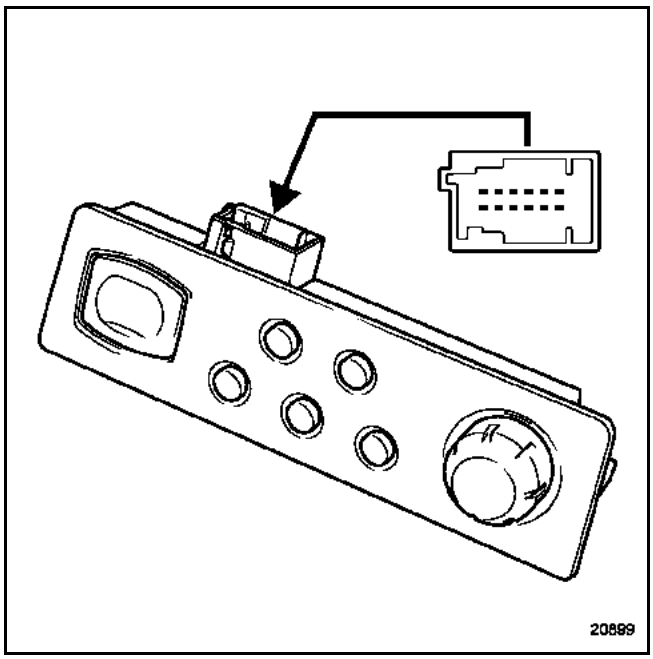
ESPACE IV - CLIO II - MEGANE - SCENIC - SCENIC II

The independent console is connected to the Central Communication Unit by a special **12 track** connector.

Note:
Only the feeds and earths can be checked.

CONNECTION

Special notes on Clio II, Scénic II and Espace IV

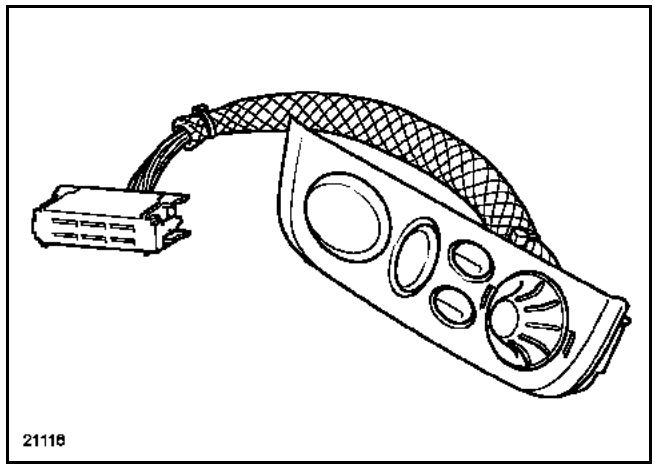


See **Technical Note Wiring diagrams, vehicle, code 972**.

Special notes on the Mégane and Scénic

The console is clipped below the screen.

It is necessary to remove the upper section of the dashboard and the screen to reach the connector.



The navigation CD-ROM reader works by using sensors that detect vehicle motion. The vehicle's tachometric (or ABS) sensor calculates the distance travelled while the gyroscope registers rotation when cornering.

By making comparisons with the digital map (on the CD-ROM), the system corrects inaccuracies (tyre pressure and wear, temperature etc.) to pinpoint the vehicle's location.

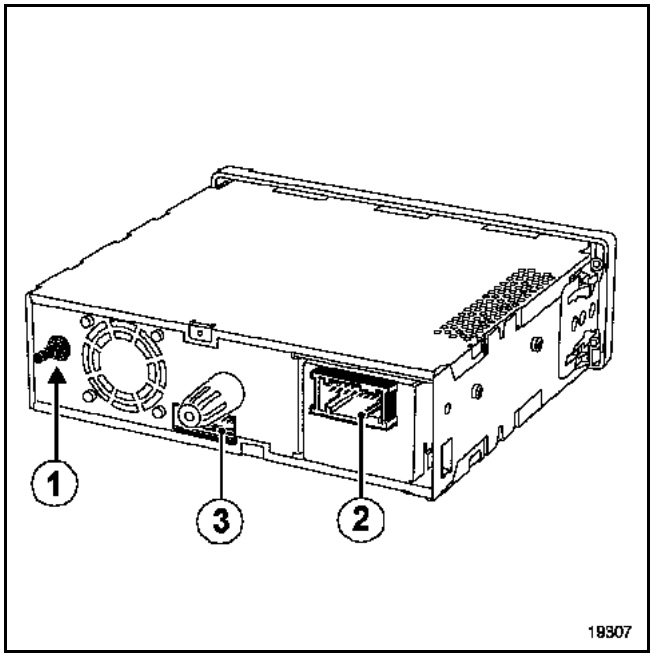
WARNING
After the battery has been disconnected or the navigation computer replaced, relocation of the vehicle is automatic (see the **Relocation** section).

The system will be programmed in French by default after the navigation CD-ROM reader has been replaced.
To change languages, see **Language Settings**.

WARNING
When the navigation CD-ROM reader is replaced, the addresses stored in the old unit cannot be recovered.

Note:
- With the ignition off, the CD-ROM player lights up automatically when the eject button is pressed and will remain lit for about **1 minute** (if the ignition is not switched on again).
- The player lights up automatically when the ignition is turned on.
- When the ignition is switched off, it remains on for **approximately 1 minute, during which time the battery must not be disconnected**.
- The navigation CD-ROM readers differ, depending on whether installed horizontally or vertically.

CONNECTIONS



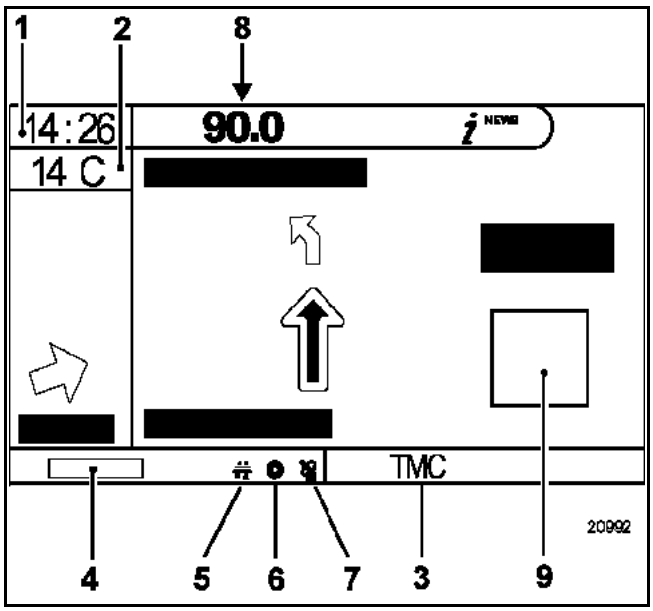
See **Technical Note Wiring diagrams, vehicle, code 662**.

The screen can display:
– the various menus,
– the destination direction
– the distance from the destination
– the journey maps
– the distance remaining until the next change of direction,
– the road maps
– etc.

It lights up a few seconds after the + accessories feed is switched on or the radio is switched on and displays the security message.

It switches itself off about **45 seconds** after the ignition is switched off.

Note:
The screen colour and brightness can be altered using the **Screen configuration** menu:
– daytime blue or dark blue (side lights).
– night time blue or dark blue (side lights on).



1 Time
2 External temperature
3 **Traffic information** message pictogram
4 Time of arrival or journey remaining (can be configured)
5 **Guidance mode** pictogram
6 **Disk present** pictogram
7 **Satellite reception quality** pictogram
8 **Radio** display (depending on vehicle)
9 Tyre pressure monitor and opening elements (depending on the vehicle)

Special features of the radio (depending on the vehicle)

If the vehicle is fitted with an original radio, the display will appear on the screen bar (radio on only).

When the radio is being adjusted, the radio display fills the screen (for greater visibility) in **list** or **preset** mode.

Note:
If the radio information does not appear on screen, see the **Initialisation** section.

Special notes on the clock

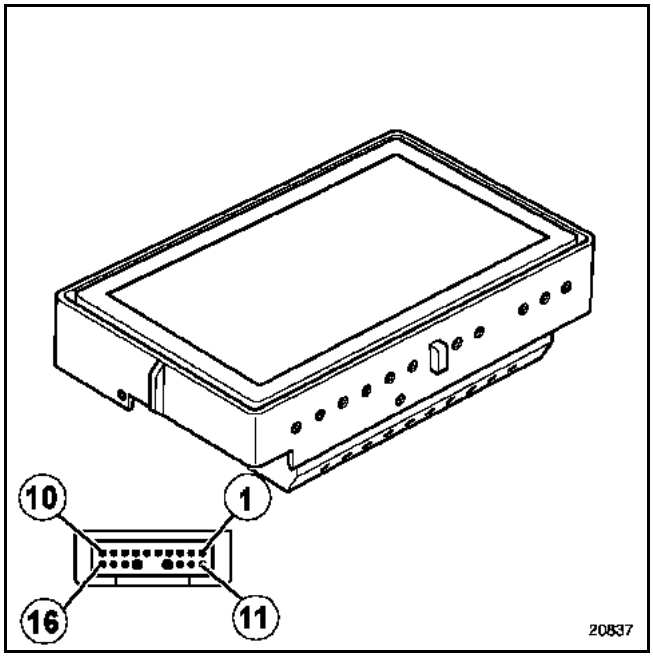
The clock is connected to the satellite link (GPS). The reference time is adjusted manually via the **Clock** menu, but the satellite connection allows precise adjustment.

WARNING
Do not use cleaning products to clean the screen. It should be wiped with a soft, dry cloth or a damp cloth.

	DISPLAY							
	Time	Radio	Temperature	Seat belt indicator light	Tyre warning light	Tyre location	Opening element warning light	Opening element location
Clio II	X	X	X	-	-	-	-	-
Mégane (XAXX)	-	-	-	-	X (1)	X (1)	X (1)	X (1)
Scénic (JAXX)	X	X	X	-	X (1)	X (1)	X (1)	X (1)
Mégane II (XMXX)	X	X	X	-	-	-	-	-
Scénic II (JMOX)	X	X	X	-	-	-	-	-
Laguna II	X	X	X	X	X	X	X	X
Vel Satis	-	X	X	X	X	-	X	-
Espace IV	-	X	-	-	-	-	-	-
Avantime	-	-	-	-	-	-	-	-

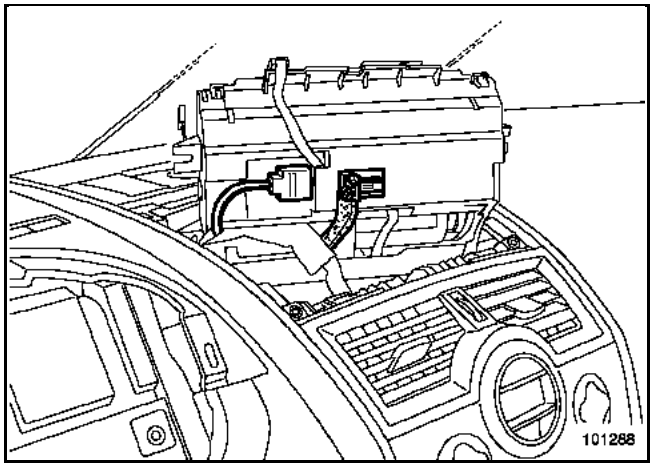
(1) Vehicles fitted with the Tyre Pressure Monitor System

CONNECTIONS



See **Technical Note Wiring diagrams, vehicle, code 1127**.

MEGANE II



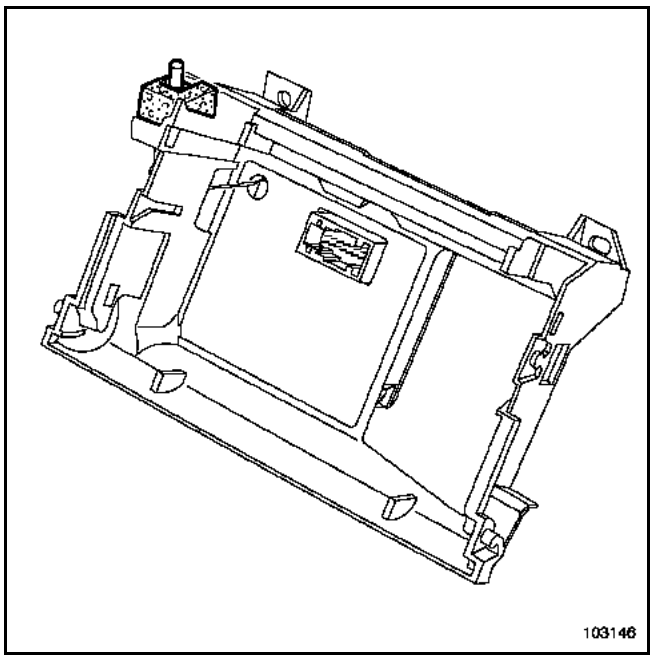
CENTRAL DISPLAY UNIT CONNECTIONS

Note:
The screen connections are the same as in other vehicles.

See **Technical Note Wiring diagrams, Mégane II, Code 1303**.

ESPACE IV

Note:
The screen mounting has a switch (**B**) that switches off the display when the dashboard cover is closed.



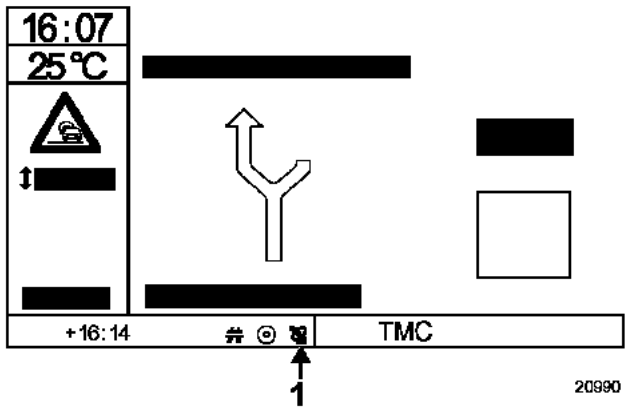
The satellite aerial

This picks up satellite signals so that the electronic navigation computer (CD-ROM player) can locate the position of the vehicle.

When the satellite reception is good, a **green** pictogram (**1**) is displayed on screen.

When the satellite reception is poor (caused by going through a tunnel or along a street surrounded by tall buildings, etc.), a **red** pictogram is displayed on screen.

Note:
Relocation is automatic once the battery has been reconnected or the navigation computer has been replaced: drive the vehicle to an outdoor open area with the ignition off and wait a few minutes. When the satellite reception is good, a **green** pictogram is displayed on screen.



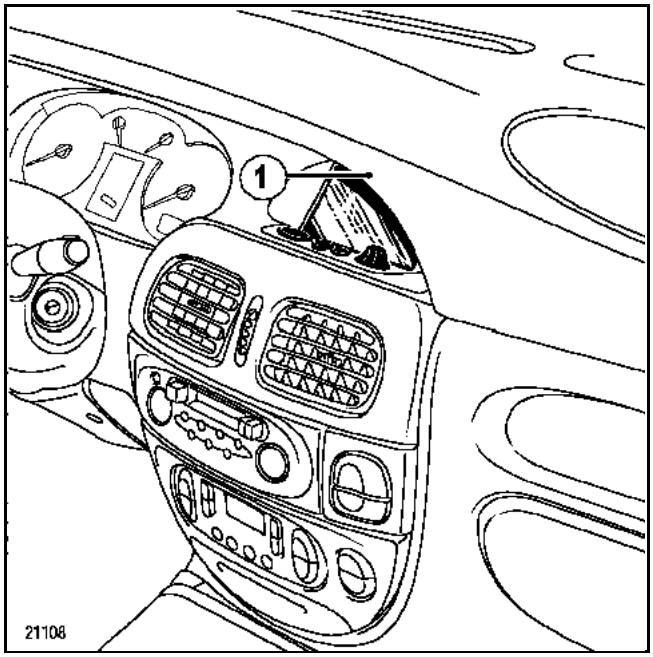
WARNING
The satellite aerial wire is very fragile. Do not bend or trap it.

Note:
The satellite aerial is also used for the hands-free phone. Some vehicles are fitted with a dual band aerial.

The navigation system can use:
– a special speaker,
– the voice synthesiser speaker (the Central Communication Unit regulates the messages from the voice synthesiser),
– a radio speaker.

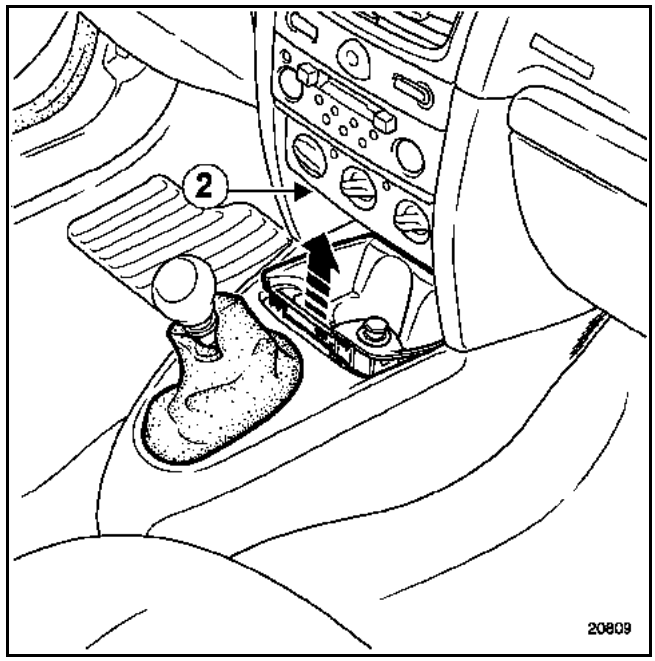
Special notes on the Mégane and Scénic

The special system speaker (**1**) is located beneath the upper section of the dashboard.



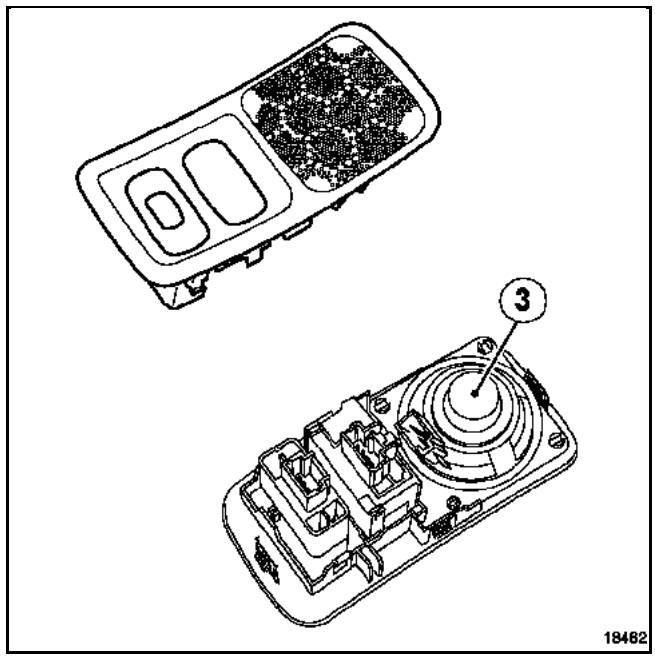
Special notes for Clio II

The special system speaker (**2**) is located beneath the heating control panel. The central console compartment needs to be removed to remove the speaker.



Special notes on the Laguna II and Vel Satis

The speaker (**3**) is positioned in place of the voice synthesiser speaker.

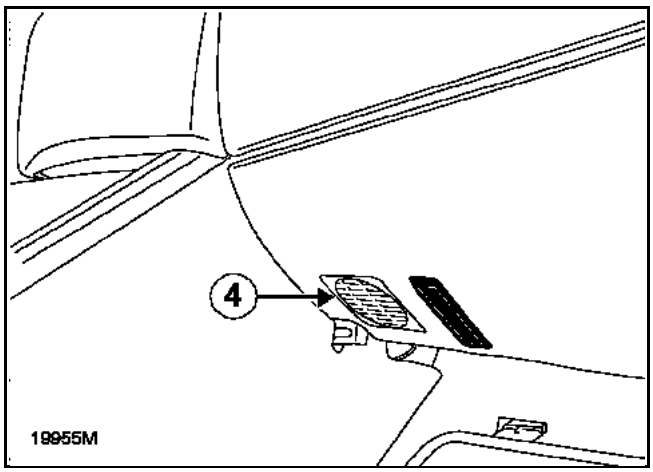


Special notes on the Trafic II

The speaker used for the navigation system is the front right-hand radio speaker.

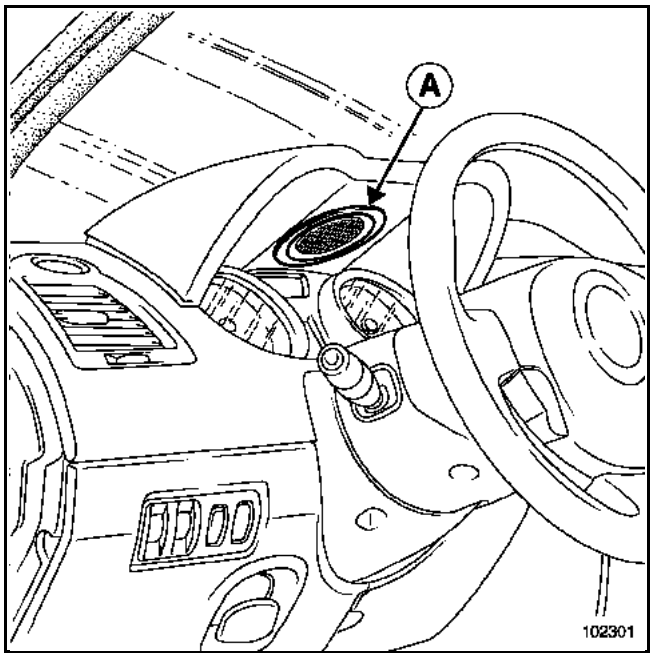
Special notes on the Avantime

The special system speaker (**4**) is positioned near to the central console light.



Special notes on the Mégane II

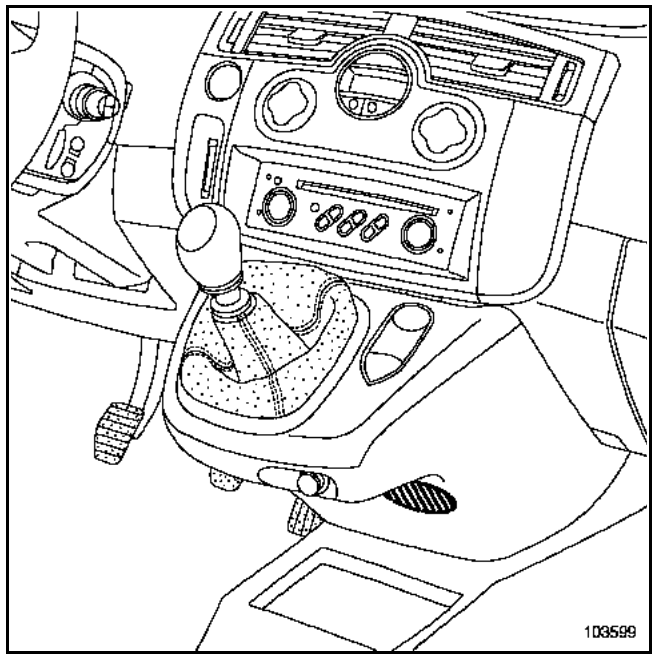
The special system loudspeaker (**A**) is located beneath the upper section of the dashboard.



Note:
To remove it, unclip the upper section of the instrument panel (see Workshop Repair Manual **364**).

Special notes on the Scénic II

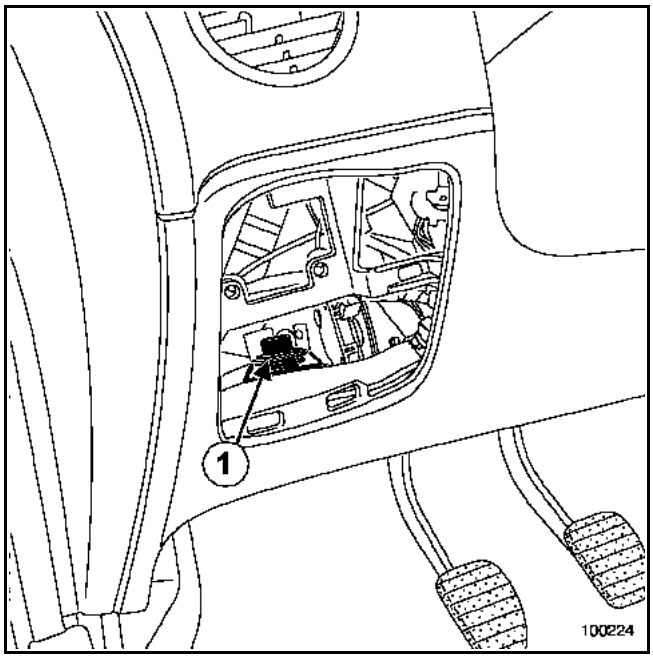
To remove the speaker, remove the lower trim from the dashboard.



Special notes on the Espace IV

Vehicle with voice synthesiser.
The navigation speaker (**1**) is the same as the voice synthesiser speaker if the vehicle is equipped with both features.
Messages are controlled by the Central Communications Unit.

Vehicle without voice synthesiser.
The navigation speaker (**1**) is under the dashboard on the driver's side.



INITIALISATION

This procedure must be followed every time a part is replaced.

WARNING
If the vehicle is fitted with a radio, it must be switched on during initialisation. If it is not, the steering wheel radio control will not function and the screen will not display radio data.

1 Switch off the ignition,
2 Wait until the system completely shuts down (approximately **1 minute**).
3 Switch the radio on,
4 Switch on the ignition (wait about **20 seconds**),
5 Press the buttons simultaneously (see table).
6 Read the vehicle part number (refer to the table).
7 Carry out the steering wheel control test,
8 The satellite aerial connection (connected / not connected to GPS) appears on the screen,
9 Ignore radio aerial and telephone tests,
10 Exit setting using the rotary knob,
11 Switch off the ignition (**1 minute**).

Note:
If the configuration does not correspond to the vehicle, check the vehicle wiring (multiplex lines) and the part numbers of the components.

INITIALISATION	
Vehicles	**Keys**
Clio II	**M** and **C**
Trafic II	**M** and **C**
Mégane and Scénic	– and →
Mégane II	**M** and **C**
Scenic II	**M** and **C**
Laguna II	**M** and **C**
Vel Satis	**M** and **C**
Avantime	**M** and **C**
Espace IV	**M** and **C**
Master II	**M** and **C**

System configurations			
Vehicles	**without radio**	**Entry level radio**	**Top of the range radio**
Clio II	0312	0302	-
Trafic II	0612	0602	-
Mégane and	1612	1602	-
Scénic	1312	1326	1327
Mégane II	1412	1402	1407
Scenic II	0012	0002	0007
Laguna II	-	0102	0107
Vel Satis	0412	-	-
Avantime	-	0207	0217
Espace IV	0712	0702	-
Master II			

Upgrading the navigation CD-ROM reader software takes approximately **5 minutes**.

If the CD-ROM is ejected during installation, carefully clean it, then reinsert it into the reader. The system will automatically restart.

1 Switch on the ignition **without starting the engine**.

WARNING
Do not switch off the ignition during this operation or the navigation system will become unusable.

2 Select **OK** on the Navigation system welcome screen.
3 Select **Navigation** from the main menu.
4 Eject the map CD-ROM by pressing the Eject button on the front of the CD-ROM reader. See Technical Note **Navigation Assistance** for the location of the parts.
5 Insert the CD-ROM labelled **Languages CD - Nav5 All Versions**.
6 Once the CD-ROM has been detected (which takes a few seconds), the system asks: **load software?**.
7 Select **Yes** if the current version displayed and new version differ.

Note:
If both versions are identical, select **No**: the system already has the new software. The system then automatically ejects the **Languages CD - Nav5 All Versions**. Insert the map CD-ROM into the reader.

8 A wait message is then displayed for approximately **15 seconds** before the screen goes black.
9 After about ten seconds, the system indicates it will update the software (**The installation program will update your system**).
10 Wait approximately **2 minutes**. A **progress bar** appears. It enables you to track the progress of the software upgrade.

Note:
The **progress bar** may remain at 100% for a few seconds. This is normal system operation.

11 Once the upgrade is finished, the system automatically ejects the **Languages CD - Nav5 All Versions**.
12 The system then reboots with a message: **The system will reboot now**.
13 The screen goes black and the RENAULT logo appears.
14 Next the system displays the **Navigation** menu.
15 The system upgrade is now completed. Insert the map CD-ROM into the reader.

Note:
The **Languages CD - Nav5 All Versions** must be used instead of the old one to install new languages into the system.

The system will be programmed in French by default after the navigation computer has been replaced.

You must carry out these two operations to change the language:

● **Change menus language**

1 With the ignition switched on, press the eject button to remove the electronic navigation computer cartographic CD-ROM

2 The screen will display the message **No CD in the player**.

3 Confirm **OK** by pressing the rotary knob.

4 Select the **Language** menu.

● **Change voice messages**

1 With the ignition switched on, press the eject button to remove the electronic navigation computer cartographic CD-ROM

2 The screen will display the message **No CD in the player**.

3 Confirm **OK** by pressing the rotary knob.

4 Select the *** Configurations** menu then **Language**.

Note:
If the desired language does not appear in the menu, do the following:

1 Select **other language**.

2 The system prompts you to insert the language CD-ROM.

3 Insert the CD-ROM, and then press the rotary knob to confirm.

4 Select the language to be replaced (language 1 or 2) by turning the knob.

5 Use the rotary knob to select the language to load from the list of available languages stored on the CD-ROM and then confirm with **load**.

6 Wait a few seconds. The screen will turn black and then white and display a message in black and red with a horizontal bar to show the loading time remaining.

7 When loading is complete, the language CD-ROM is ejected from the reader and **OK** is displayed on screen.

8 Continue with voice message changing procedure.

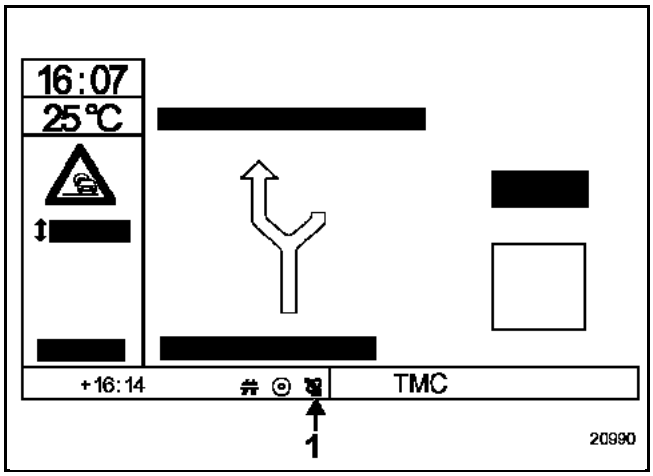
9 Reinsert the cartographic CD-ROM into the reader.

	Country languages available in the system	Country languages available in the manual
French	yes	yes
German	yes	yes
English (GB)	yes	yes
English (USA)	yes	NO
Dutch	yes	yes
Spanish	yes	yes
Italian	yes	yes
Swedish	yes (except system menus)	NO
Danish	yes (except system menus)	NO
Portuguese	NO	NO
Czech	NO	NO
Slovak	NO	NO

The vehicle has to be relocated after the electronic navigation computer has been replaced or the battery disconnected.

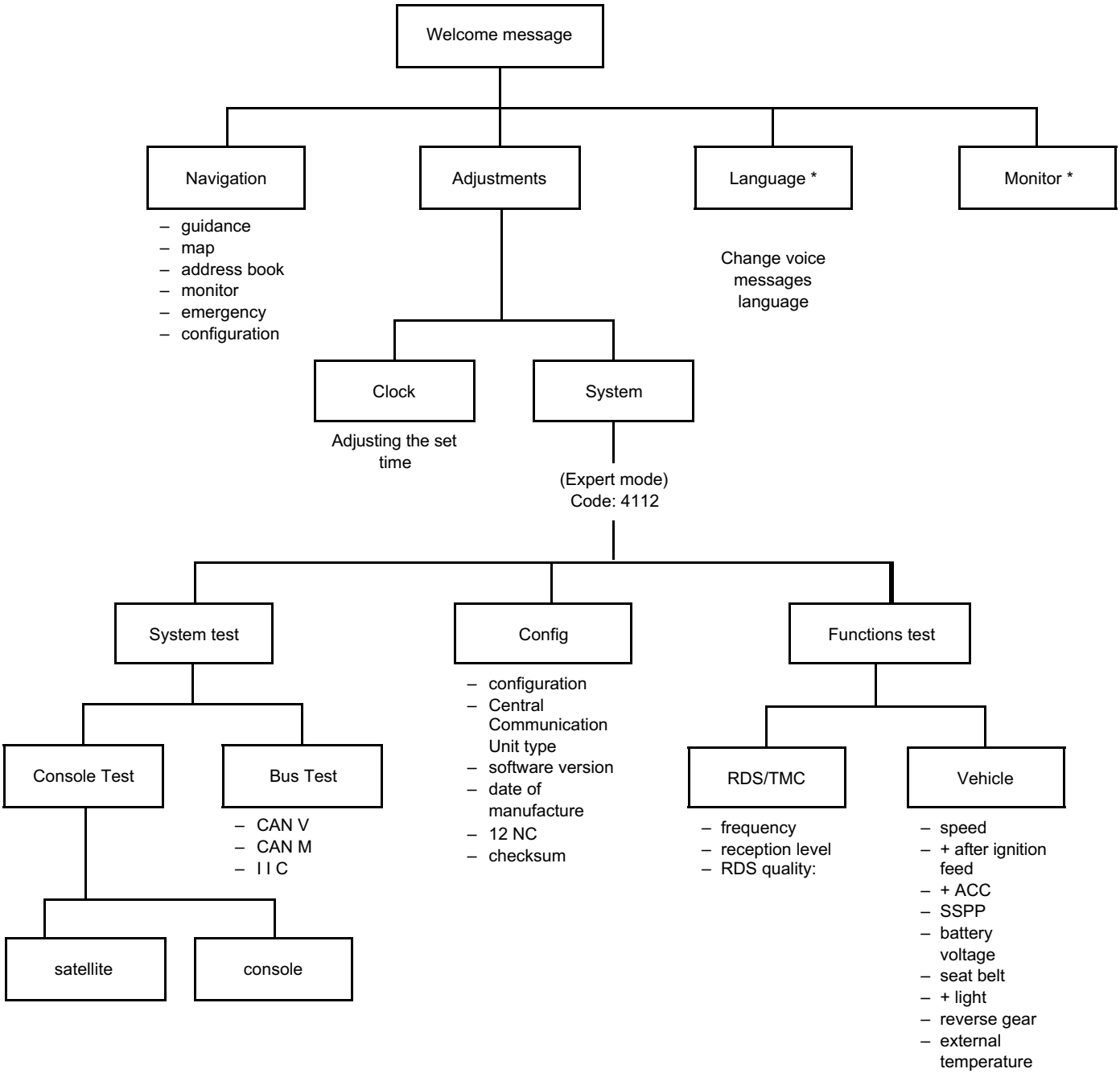
Drive the vehicle to an open area outdoors and wait for a few minutes with the ignition switched on.

When the satellite reception is good, a **green** pictogram (**1**) is displayed on screen.

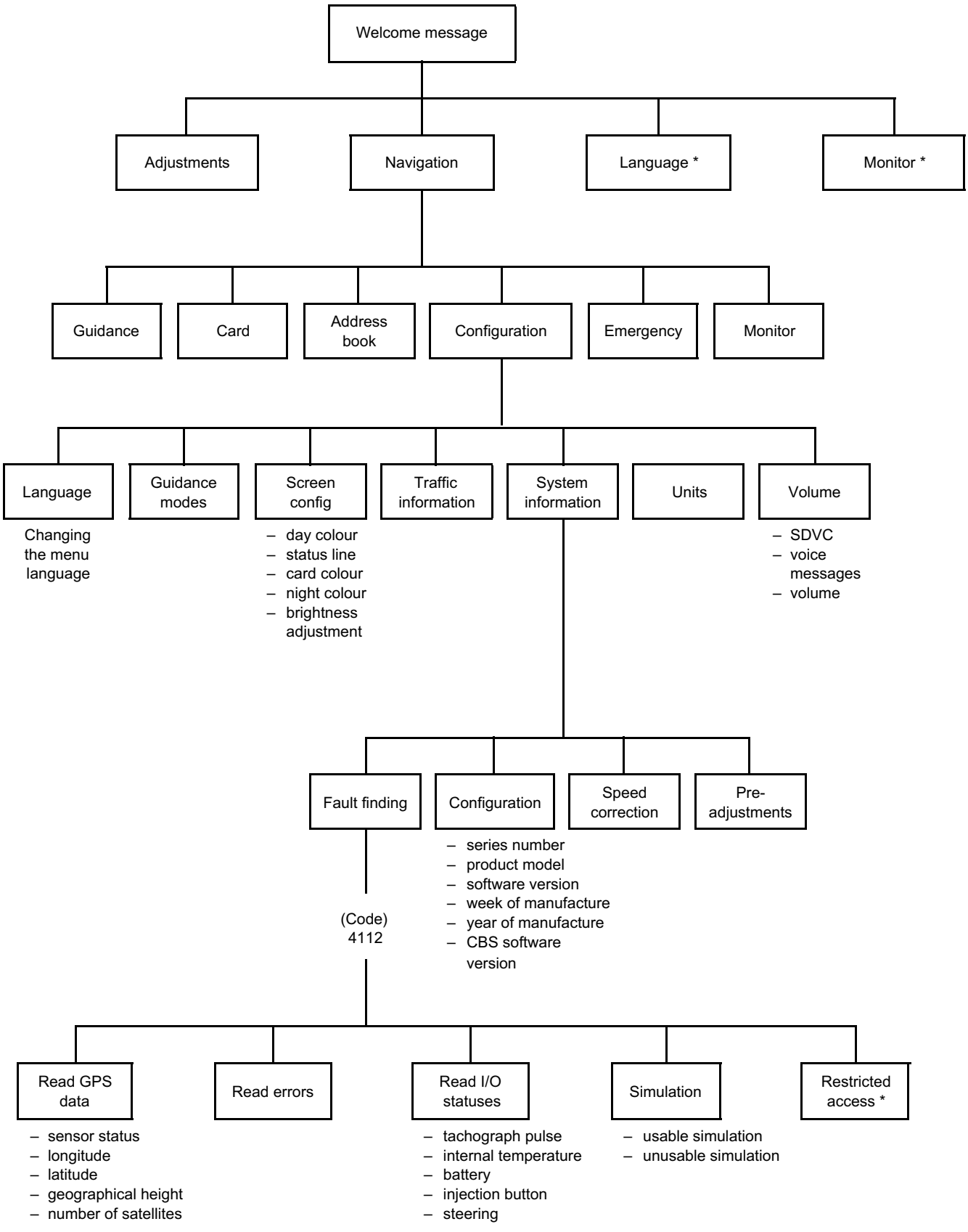


If the vehicle is not correctly located on the map, drive the vehicle along various main roads on the mapped routes (0.6 to 1.8 miles (**1** to **3 km** as necessary).

Note:
the locating operation may take up to **20 minutes** maximum.



* depending on the version

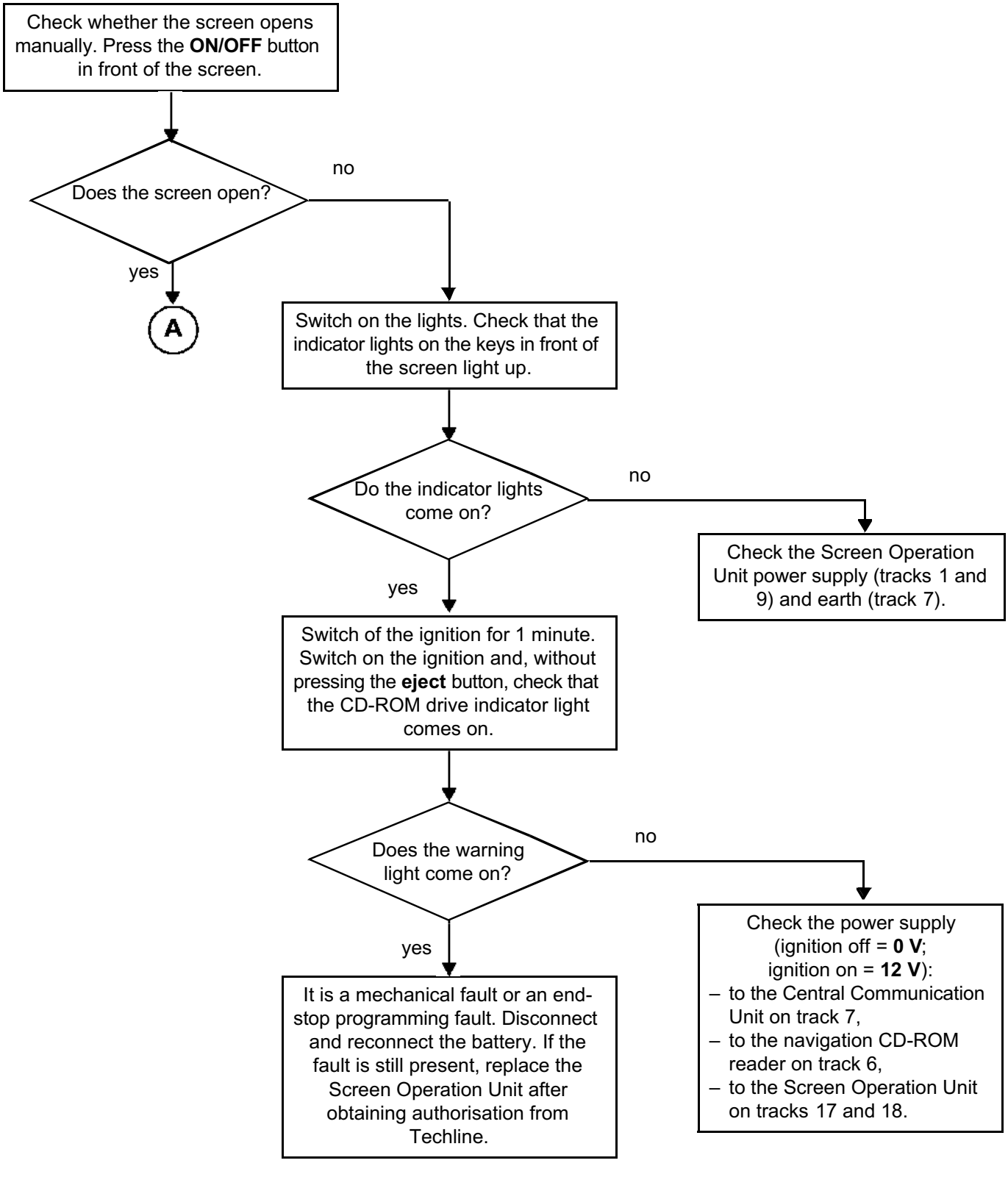


* depending on the version

SCREEN DOES NOT OPEN	ALP 1
INCORRECT SCREEN ANGLE OR SCREEN FREEZES	ALP 2
THE SCREEN STAYS BLACK INTERMITTENTLY OR PERMANENTLY	ALP 3
SCREEN IS BACKLIT OR FROZEN ON THE RENAULT LOGO	ALP 4
SCREEN DISPLAY FROZEN	ALP 5
SCREEN DISPLAYS CONFIGURATION ERROR	ALP 6
NO RADIO DISPLAY ON THE CARMINAT SCREEN (OR THE RADIO DISPLAY REMAINS FROZEN)	ALP 7
WRONG TIME DISPLAYED	ALP 8
NO CLOCK DISPLAY	ALP 9
NO TYRE PRESSURE SYSTEM DISPLAY	ALP 10
TYRE PRESSURE MONITOR DATA DISPLAYED ON VEHICLE WITHOUT IT	ALP 11
NO OPENING ELEMENT SYMBOL DISPLAY	ALP 12
NO SEAT BELT WARNING LIGHT DISPLAY	ALP 13
NO VOICE MESSAGES	ALP 14
NO TRAFFIC INFORMATION MESSAGE ON THE SCREEN	ALP 15
POOR SATELLITE RECEPTION	ALP 16
NO RADIO DATA ON THE INSTRUMENT PANEL (OR RADIO DATA NOT REFRESHED)	ALP 17
TIME AND TEMPERATURE DATA ON INSTRUMENT PANEL AND NAVIGATION SCREEN NOT THE SAME	ALP 18
IF THE VEHICLE JUMPS AROUND THE MAP DURING GUIDANCE, THE SYSTEM IS DOING FREQUENT CALCULATIONS OR THE GUIDANCE IS FAULTY	ALP 19

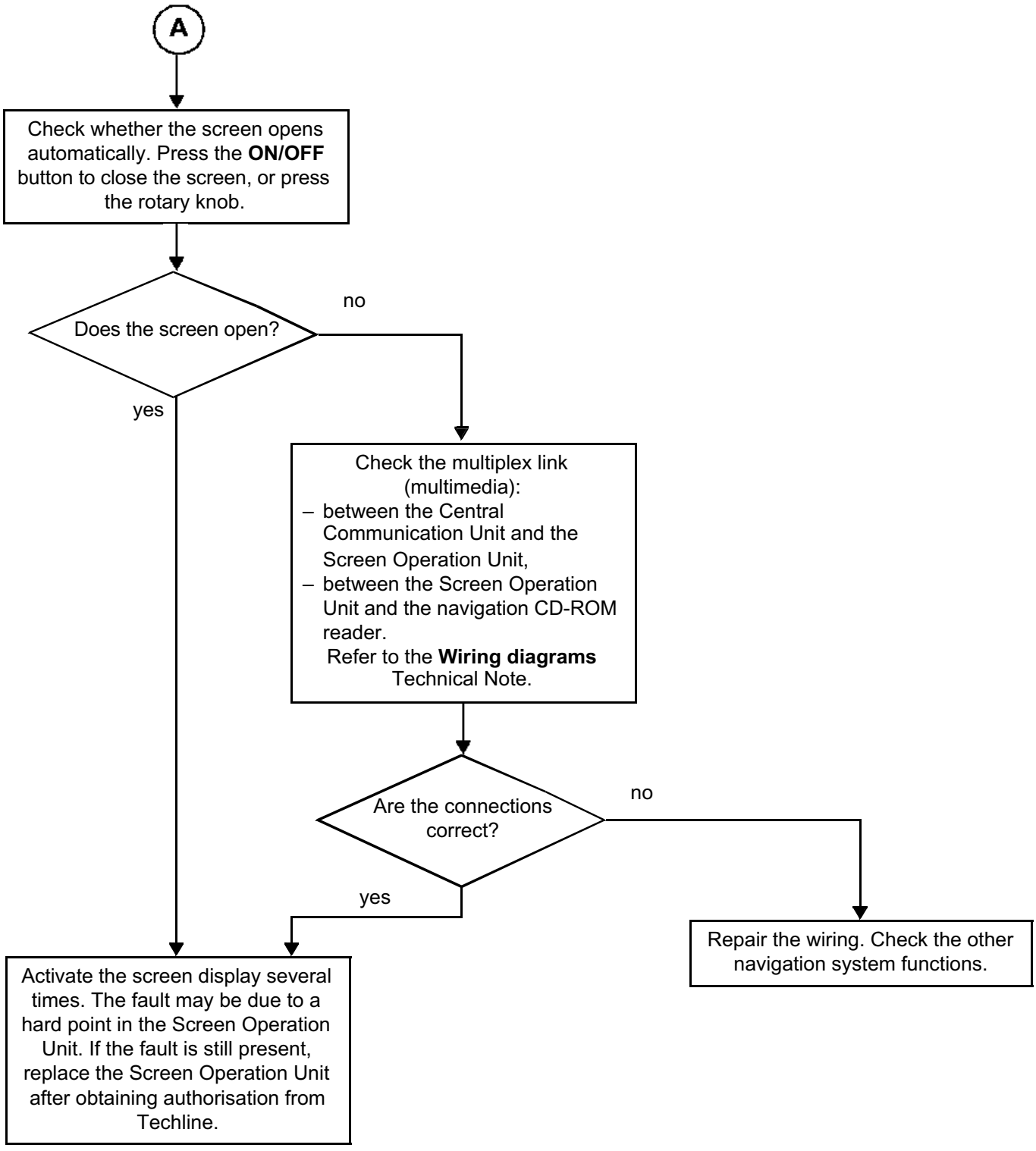
MEGANE II

ALP 1	Screen does not open



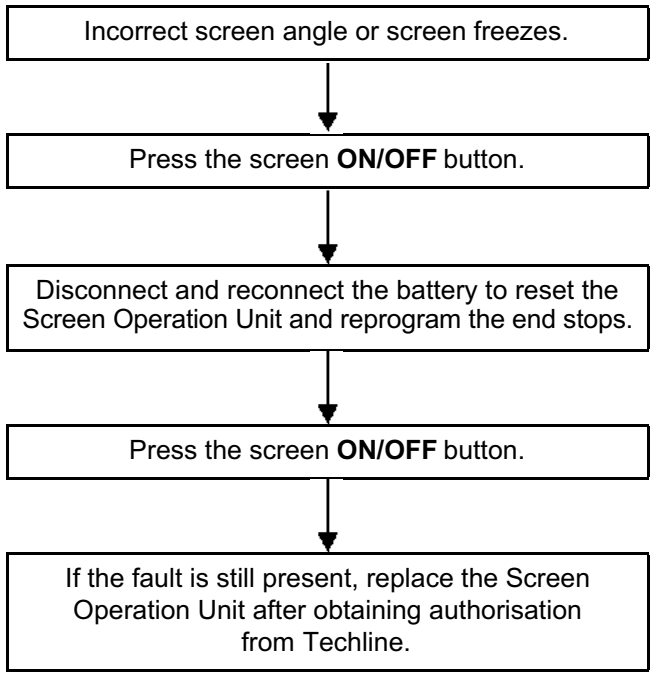
MEGANE II

ALP 1 (continued)

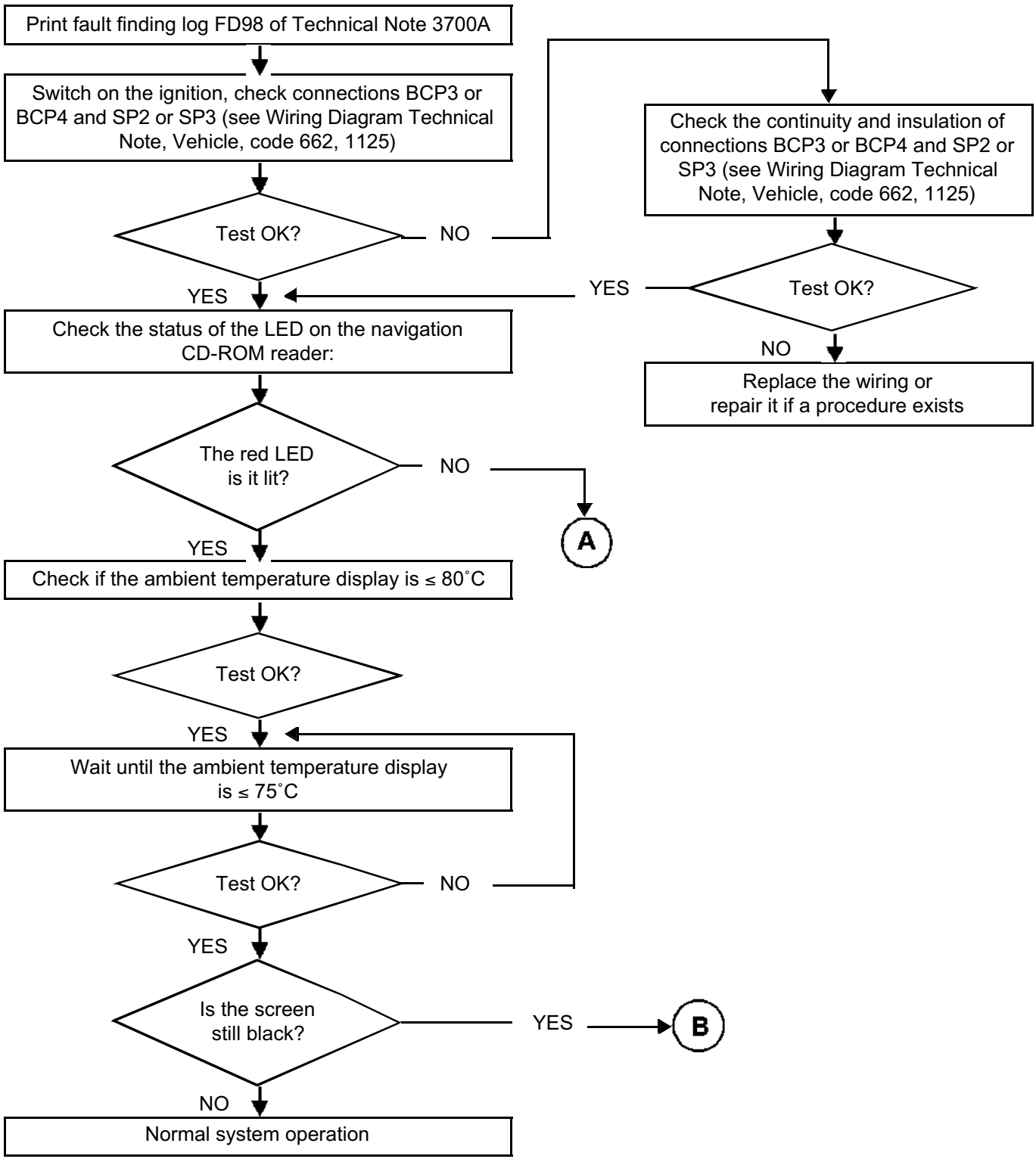


MEGANE II

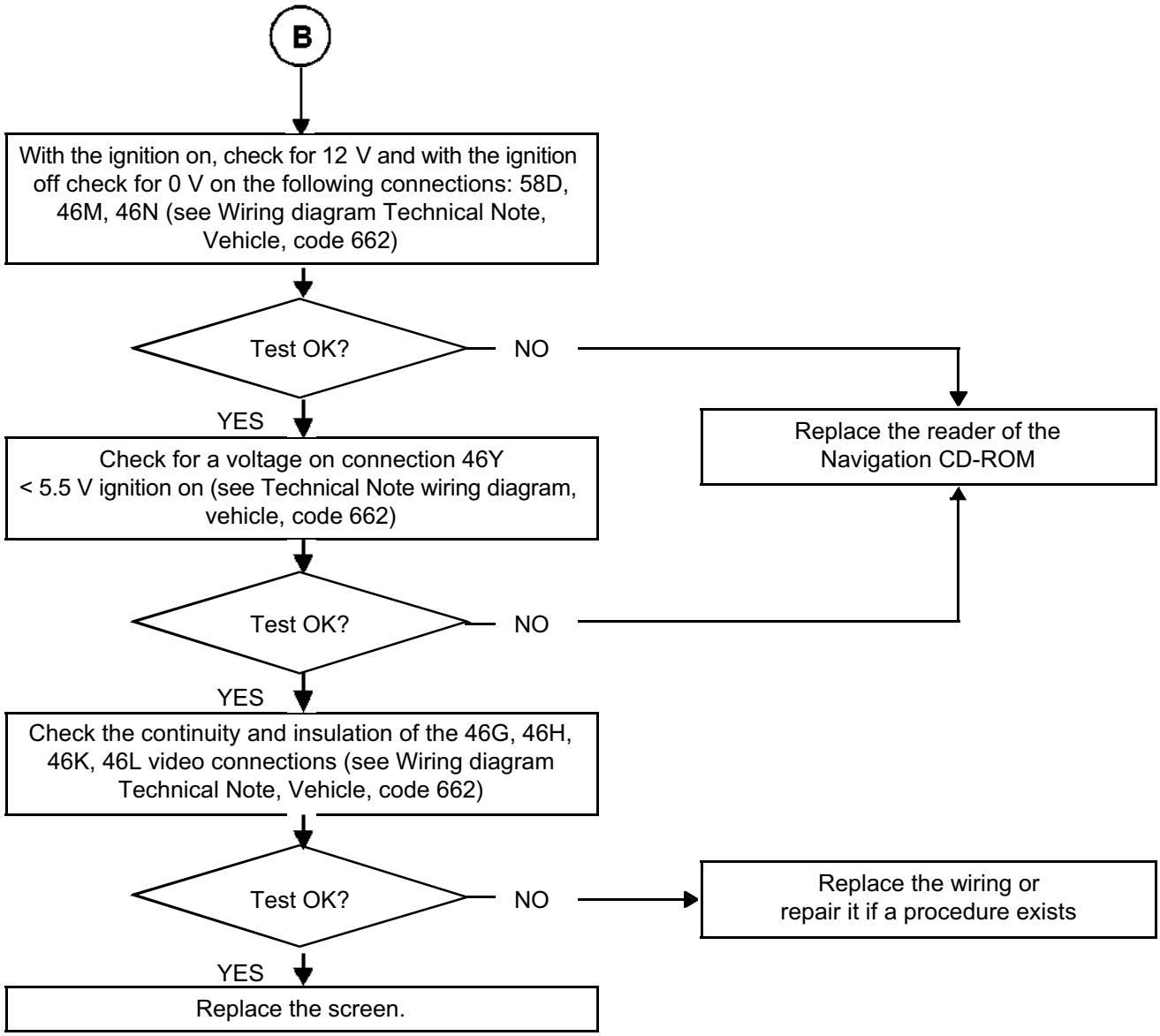
ALP 2	**Incorrect screen angle or screen freezes**



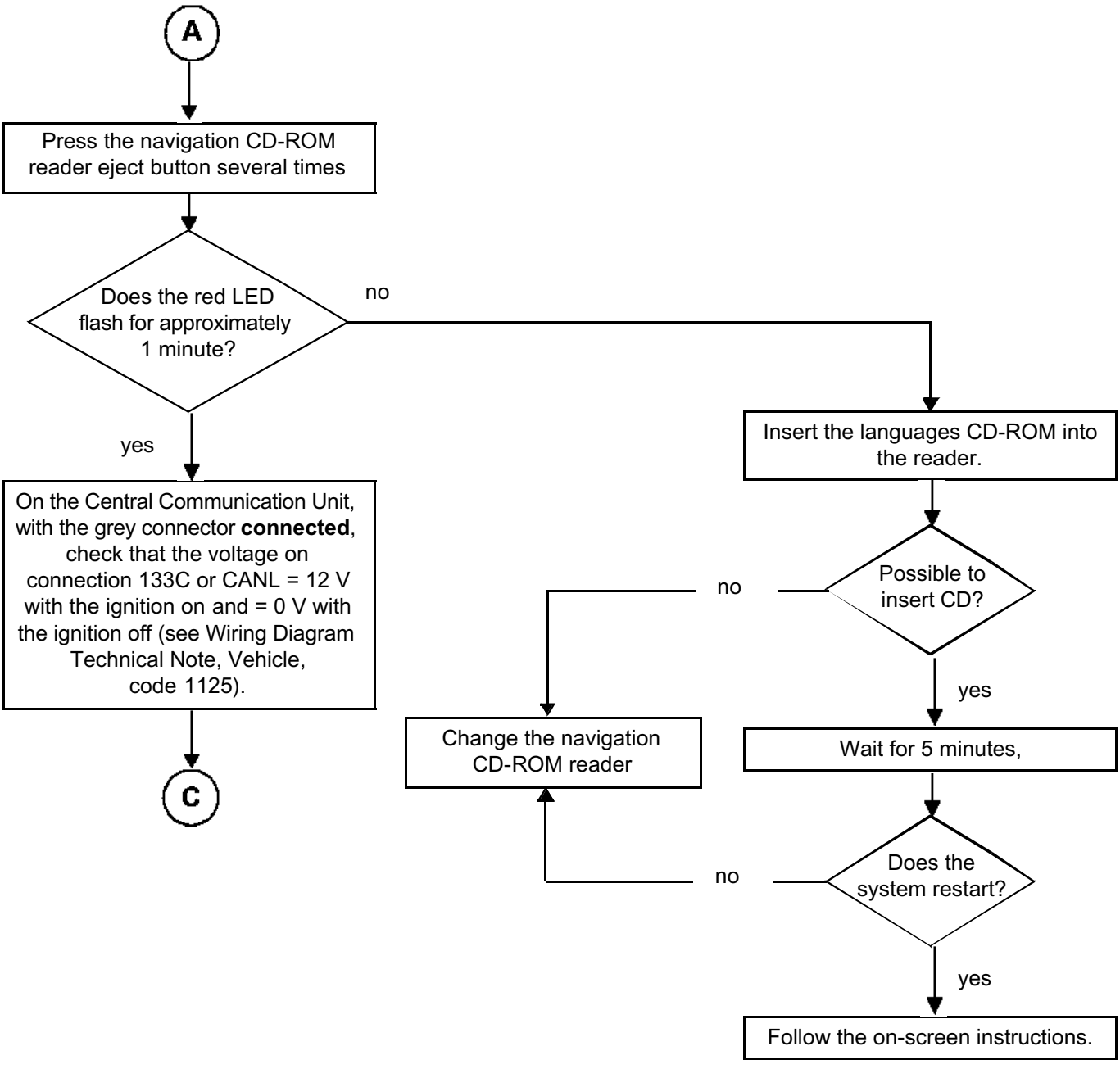
ALP 3	The screen stays black intermittently or permanently



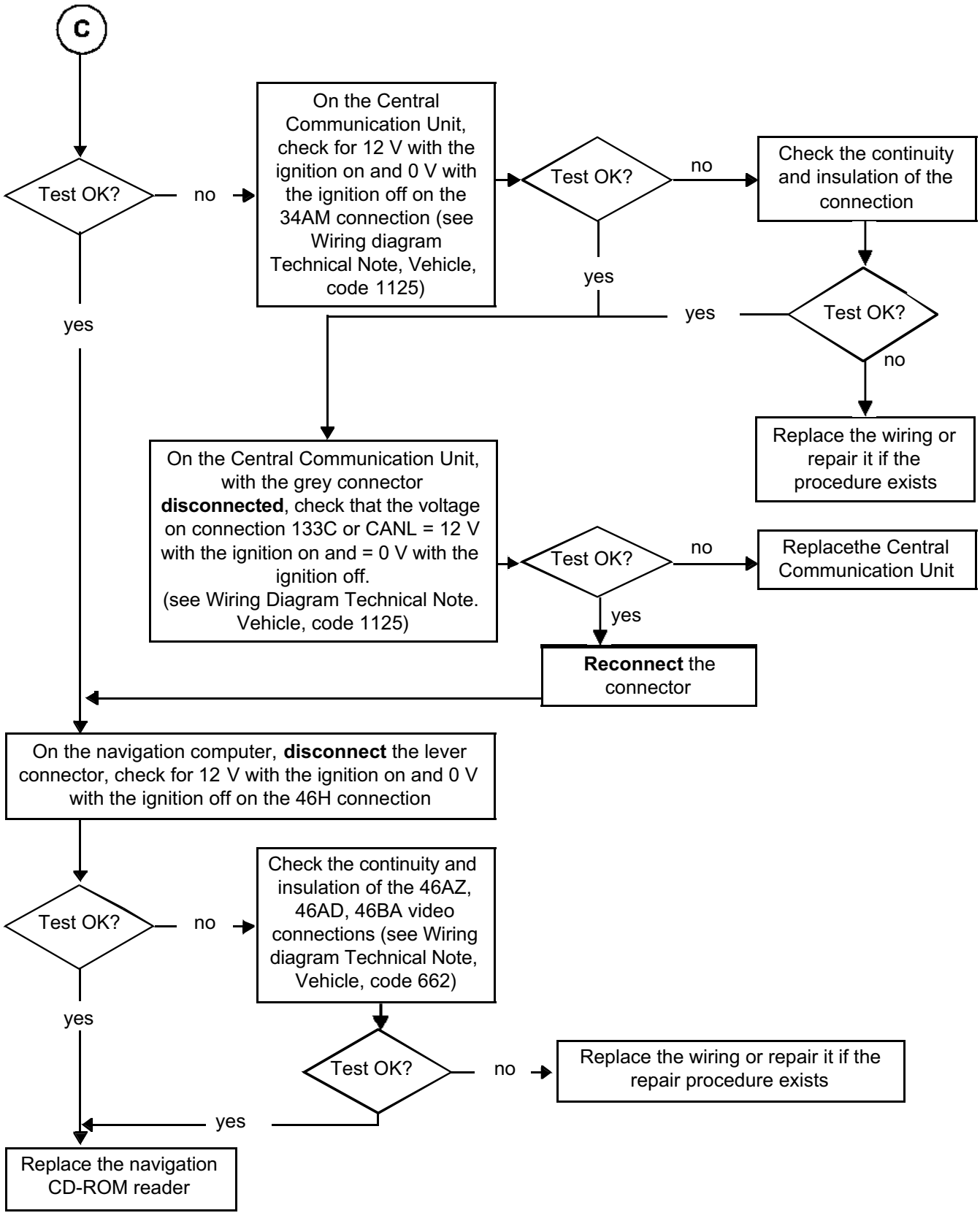
ALP 3 CONTINUED 1	



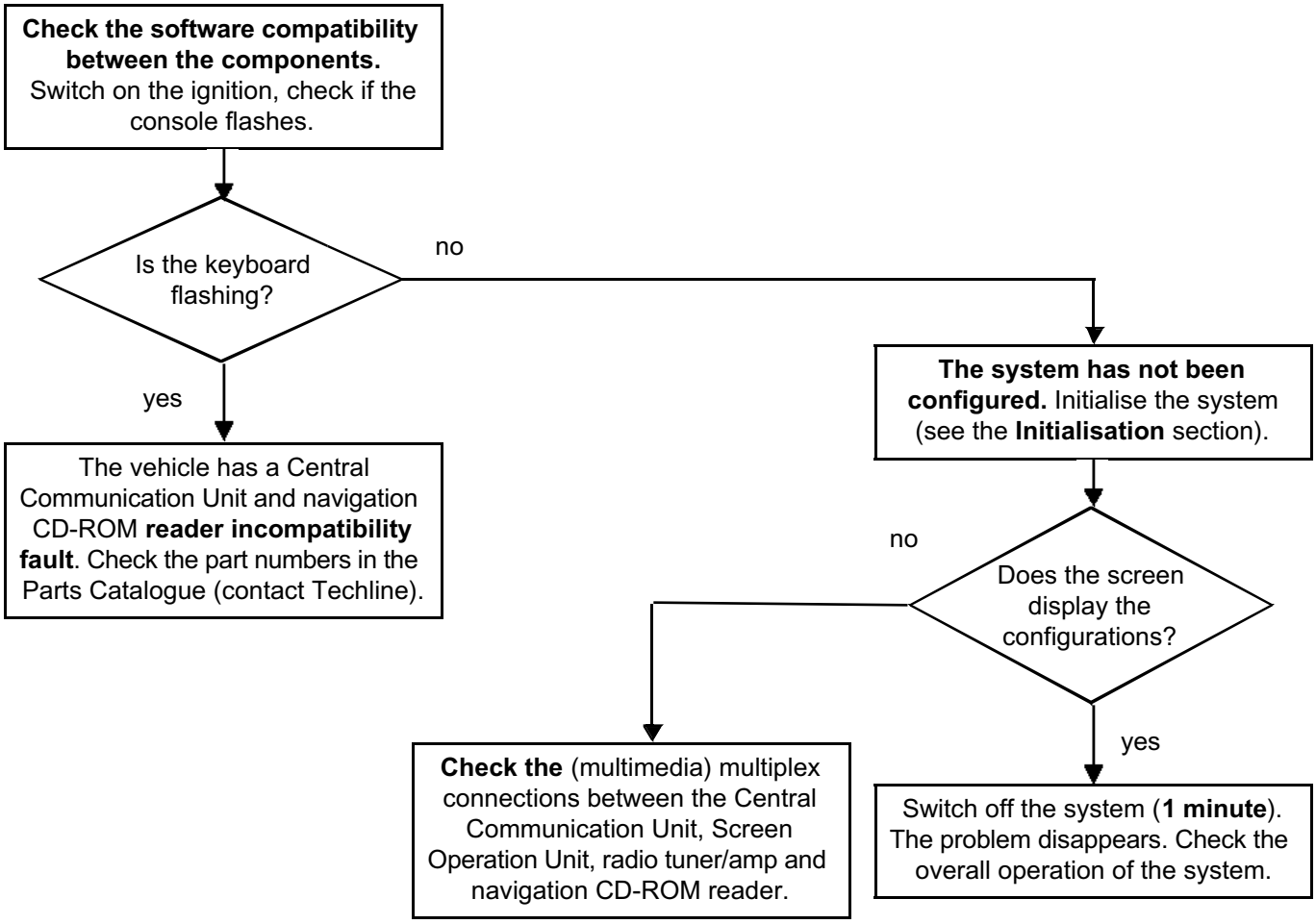
ALP 3 CONTINUED 2



ALP 3
CONTINUED 3

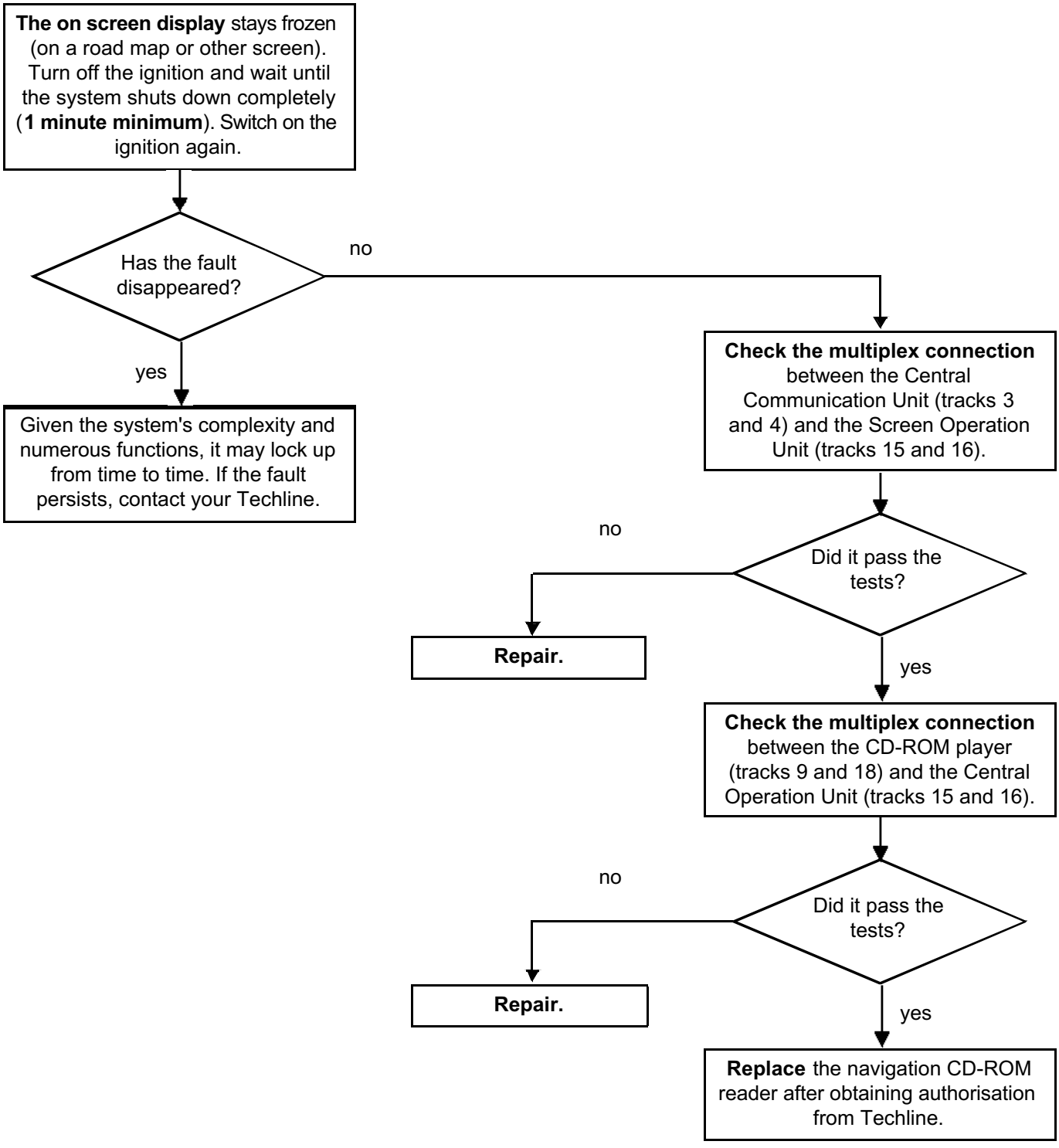


ALP 4	The screen is blank or frozen on the Renault logo



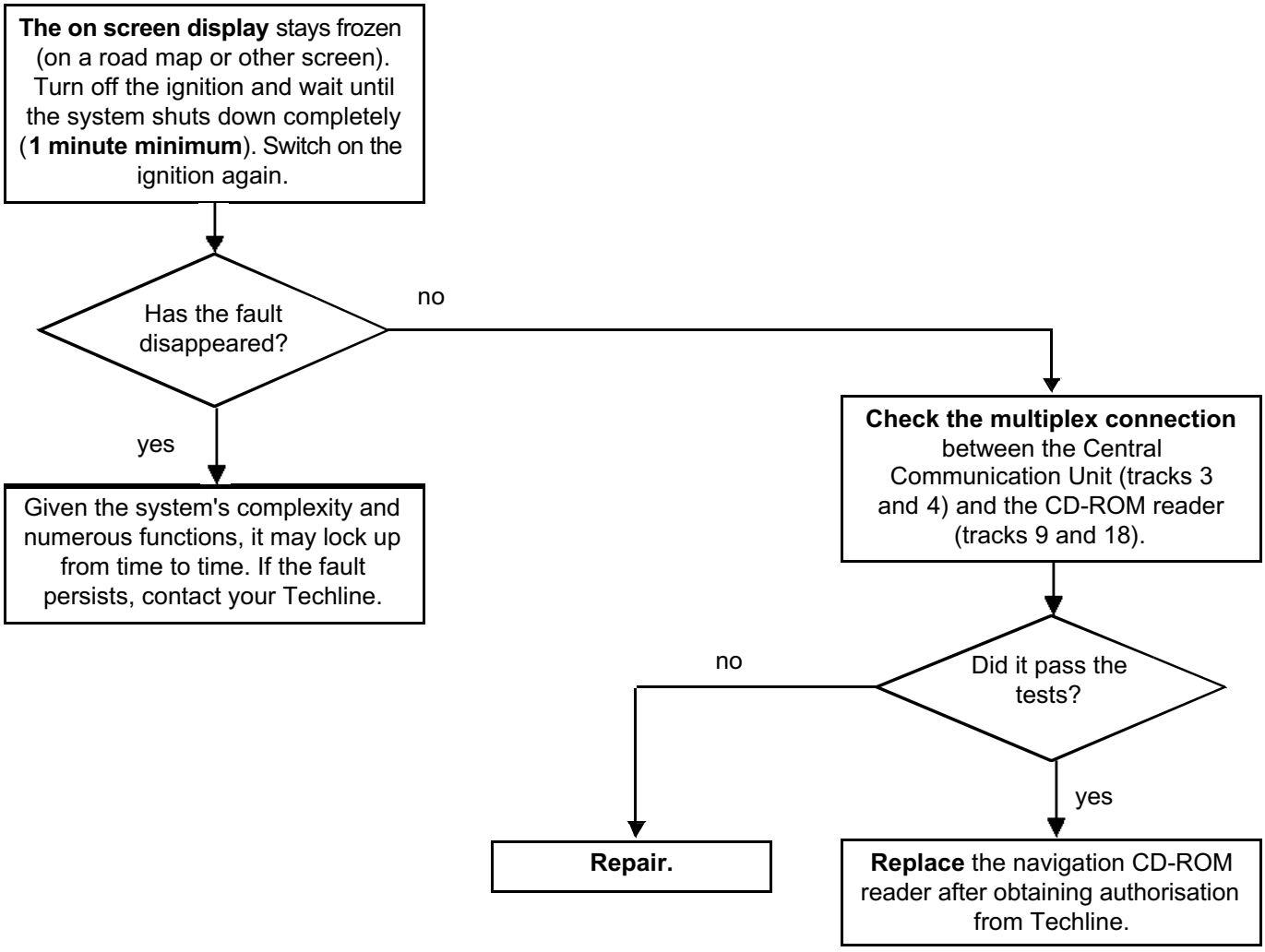
MEGANE II

ALP 5	The on screen display stays frozen

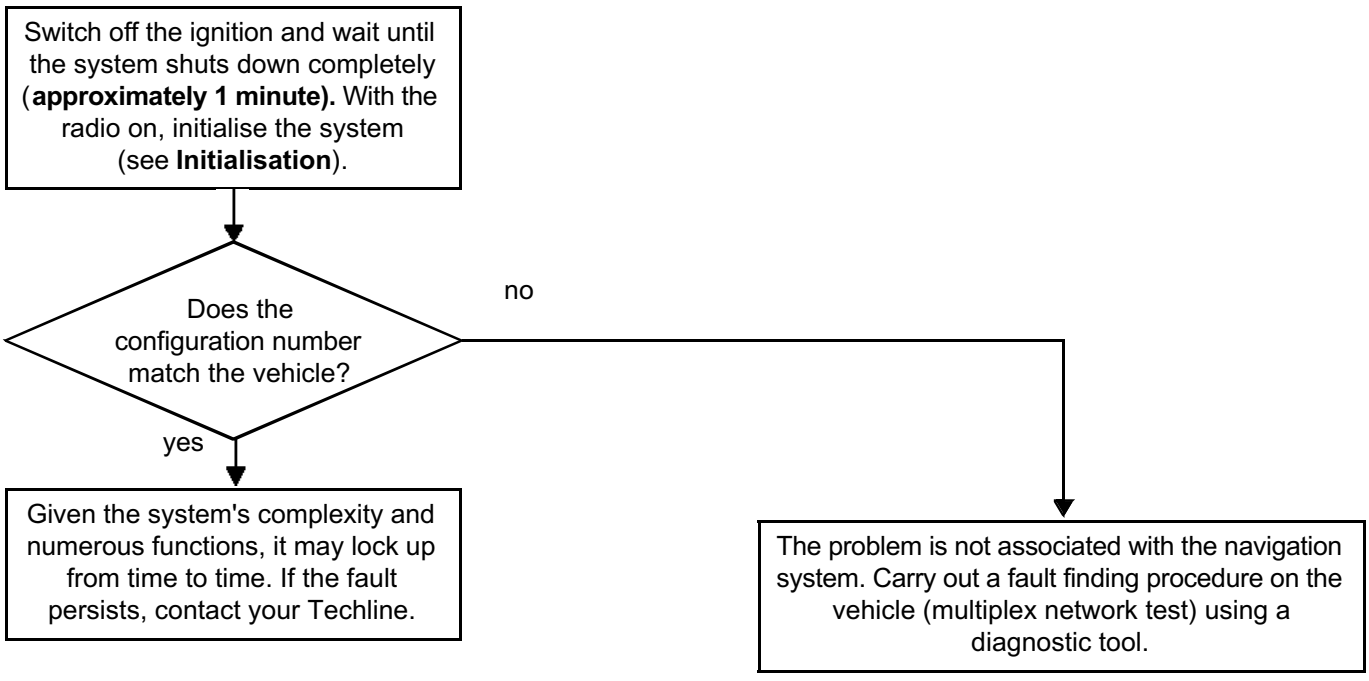


EXCEPT MEGANE II

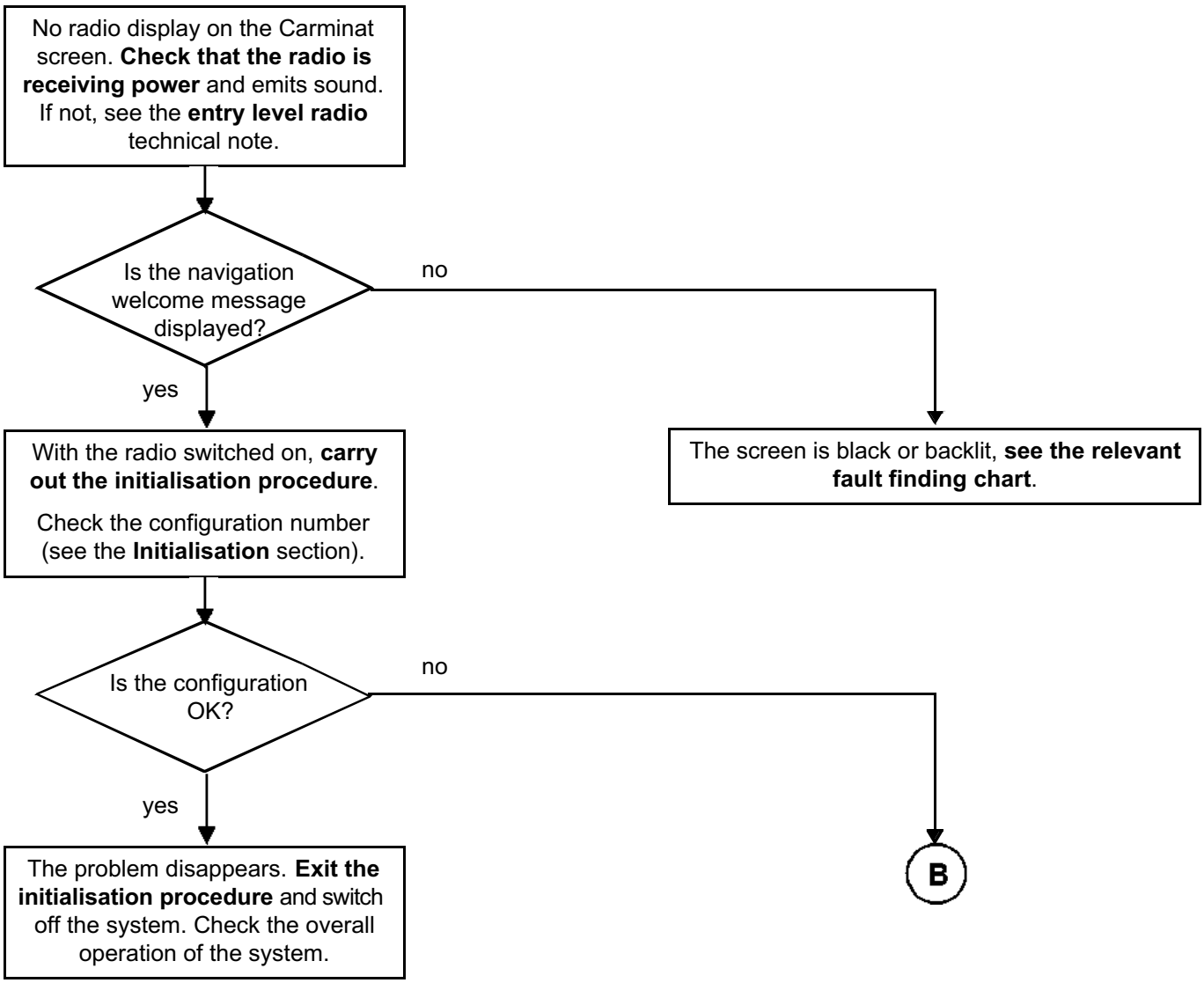
ALP 5	The on screen display stays frozen



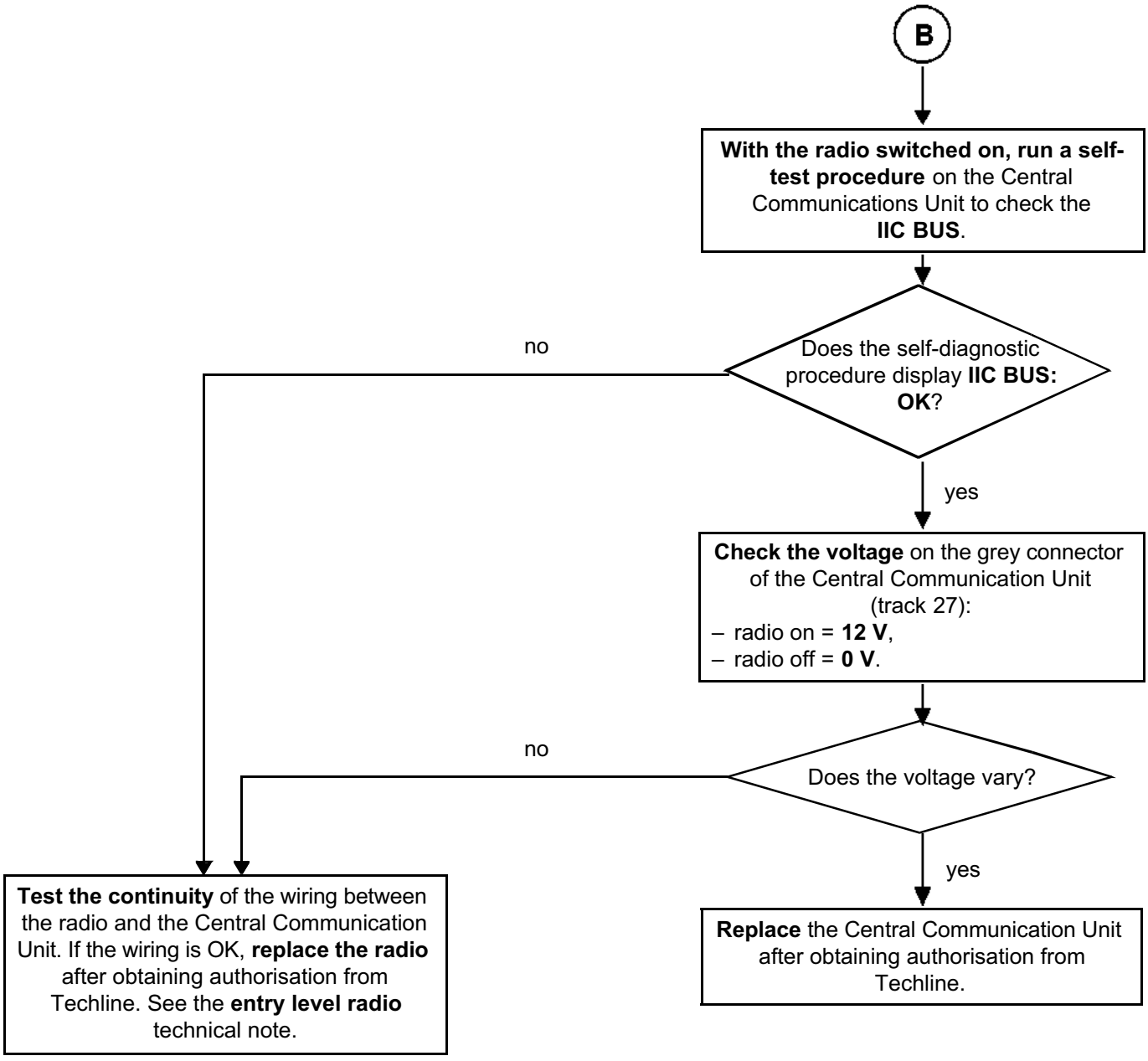
ALP 6	The screen displays "configuration error"



ALP 7	No radio display on the Carminat screen or the screen display is frozen ("Entry Level" radio)



ALP 7 CONTINUED	



ALP 7	No radio display on the Carminat screen or the screen display is frozen ("Top of the Range" radio)

The Carminat screen is working except for the radio display. **Check that the radio is receiving power** and emits sounds, if not, see the **top of range radio** technical note.

With the radio switched on, **carry out the initialisation procedure**. Check the configuration number (see the **Initialisation** section).

Does the configuration match?

no

Check the voltage on the grey connector of the Central Communication Unit (track 27):
- radio on = **12 V**,
- radio off = **0 V**.

Does the voltage vary?

no

Check the continuity of the wiring between: the receiver and the Central Communication Unit, Screen Operation Unit, and navigation CD-ROM reader. If the wiring is okay, **replace the receiver** after obtaining authorisation from Techline (see the **top of range radio** Technical Note).

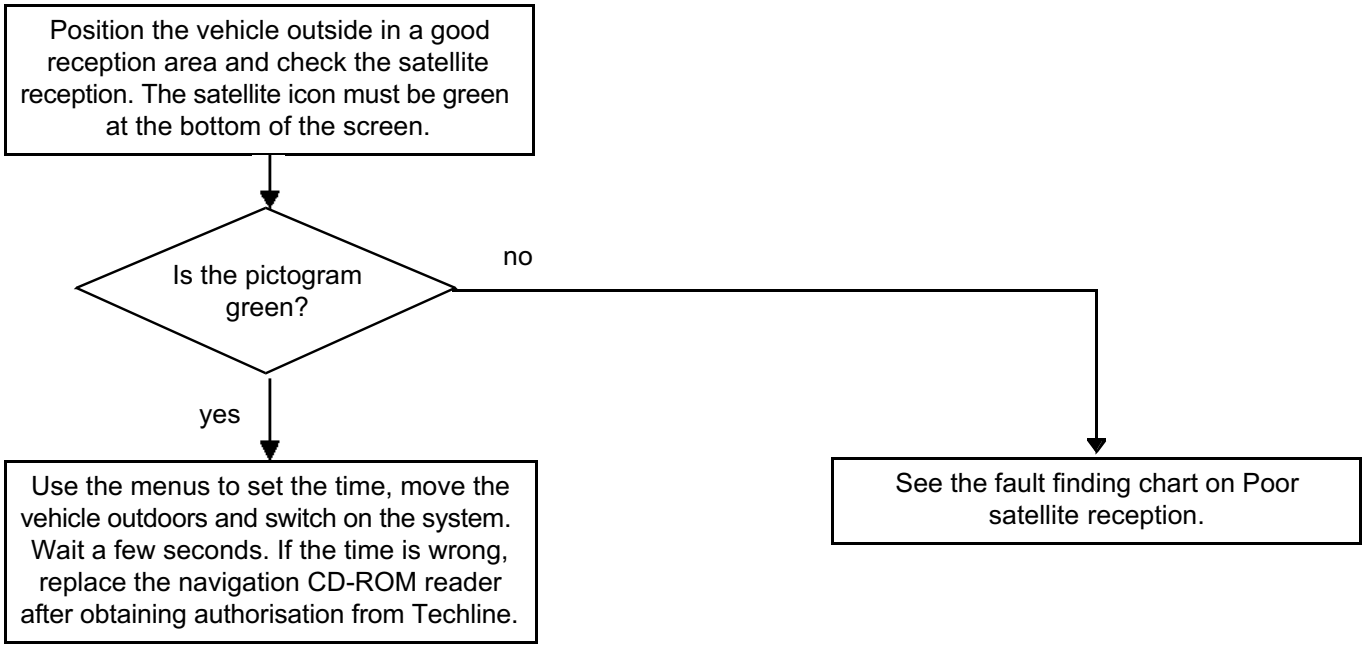
yes

Replace the Central Communication Unit after obtaining authorisation from Techline.

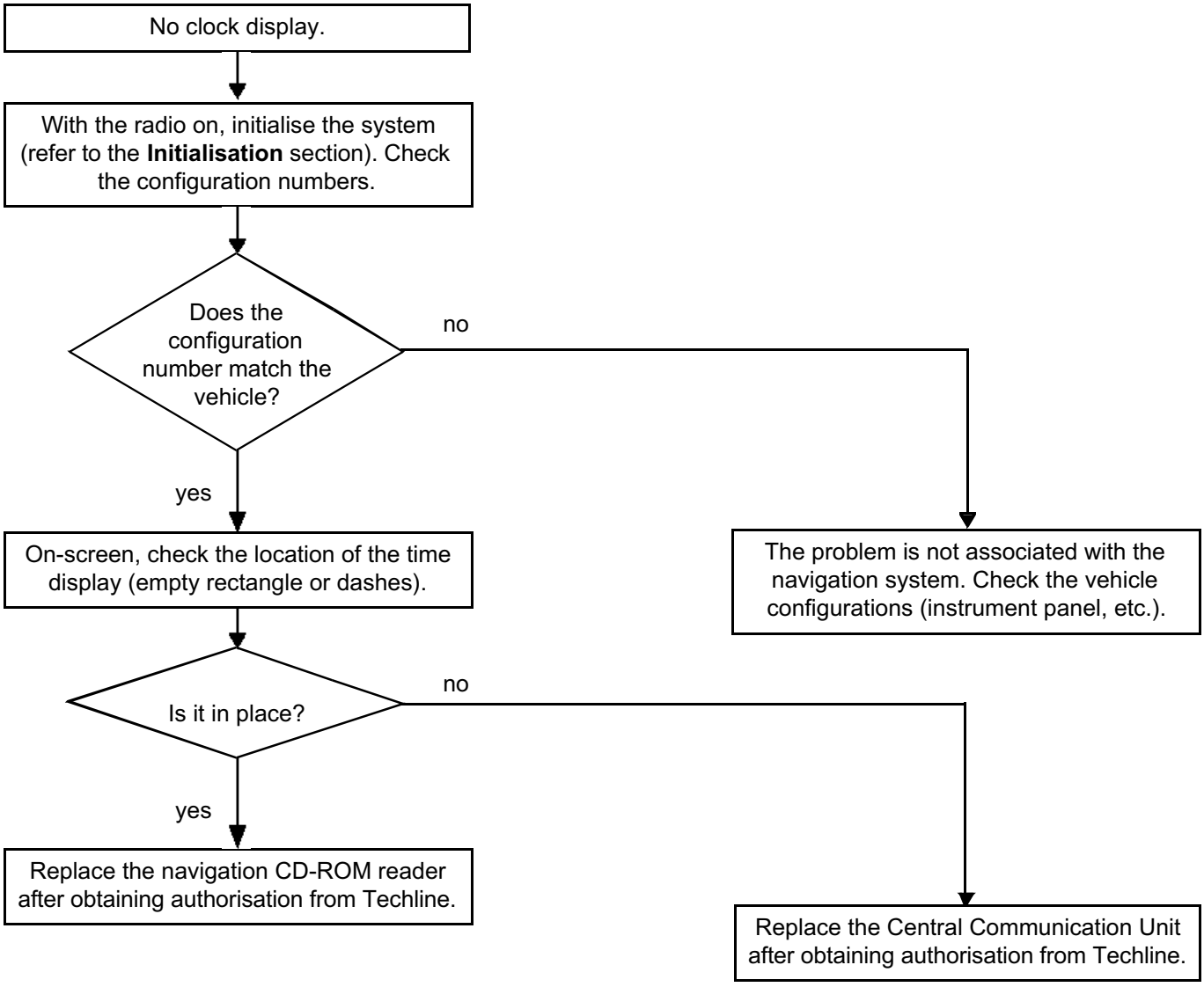
yes

The problem disappears. **Exit the initialisation procedure** and turn off the system (for at least **1 minute**). Check the overall operation of the system.

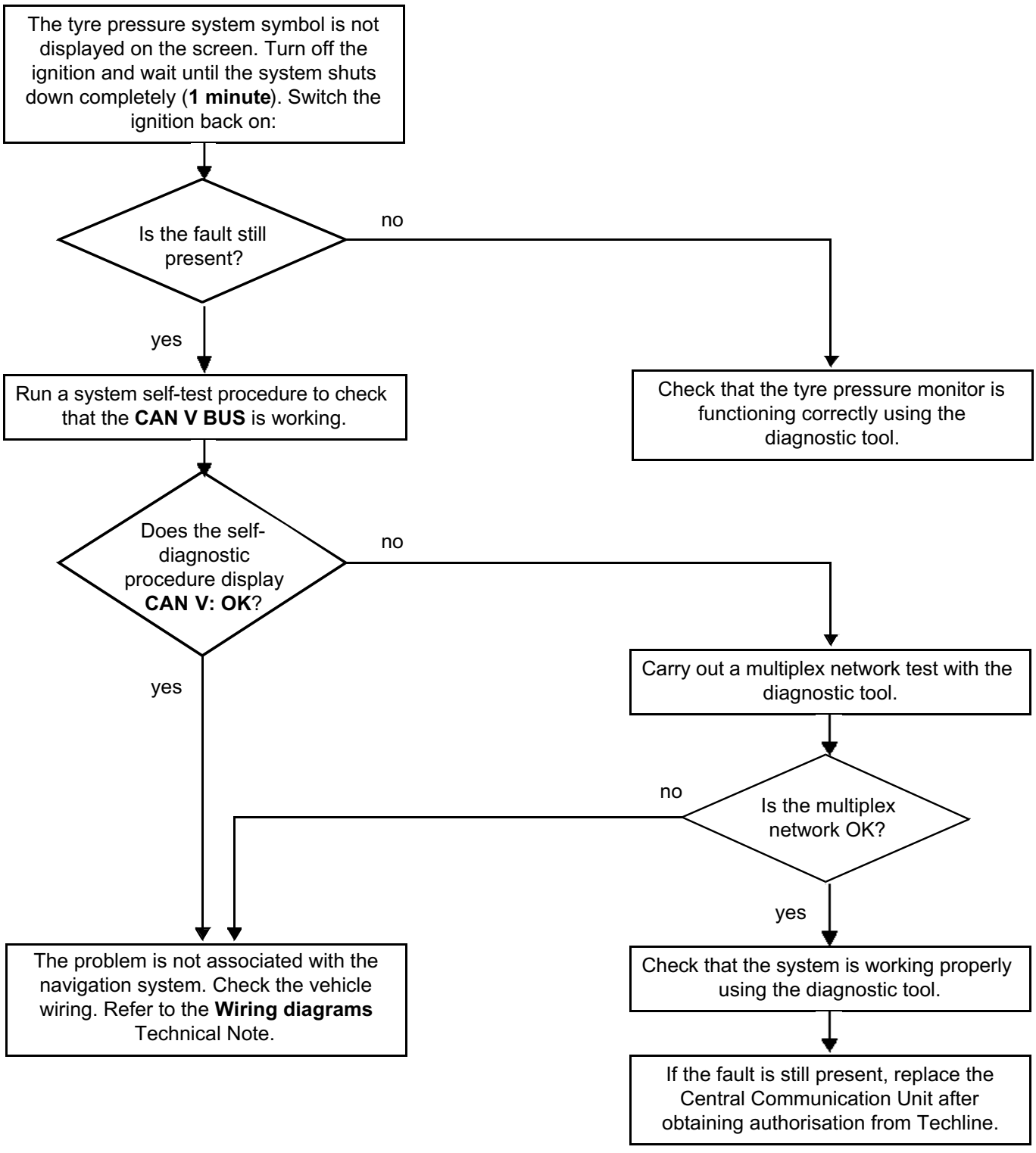
ALP 8	Wrong time displayed (see the Screen section for how to confirm the fault).



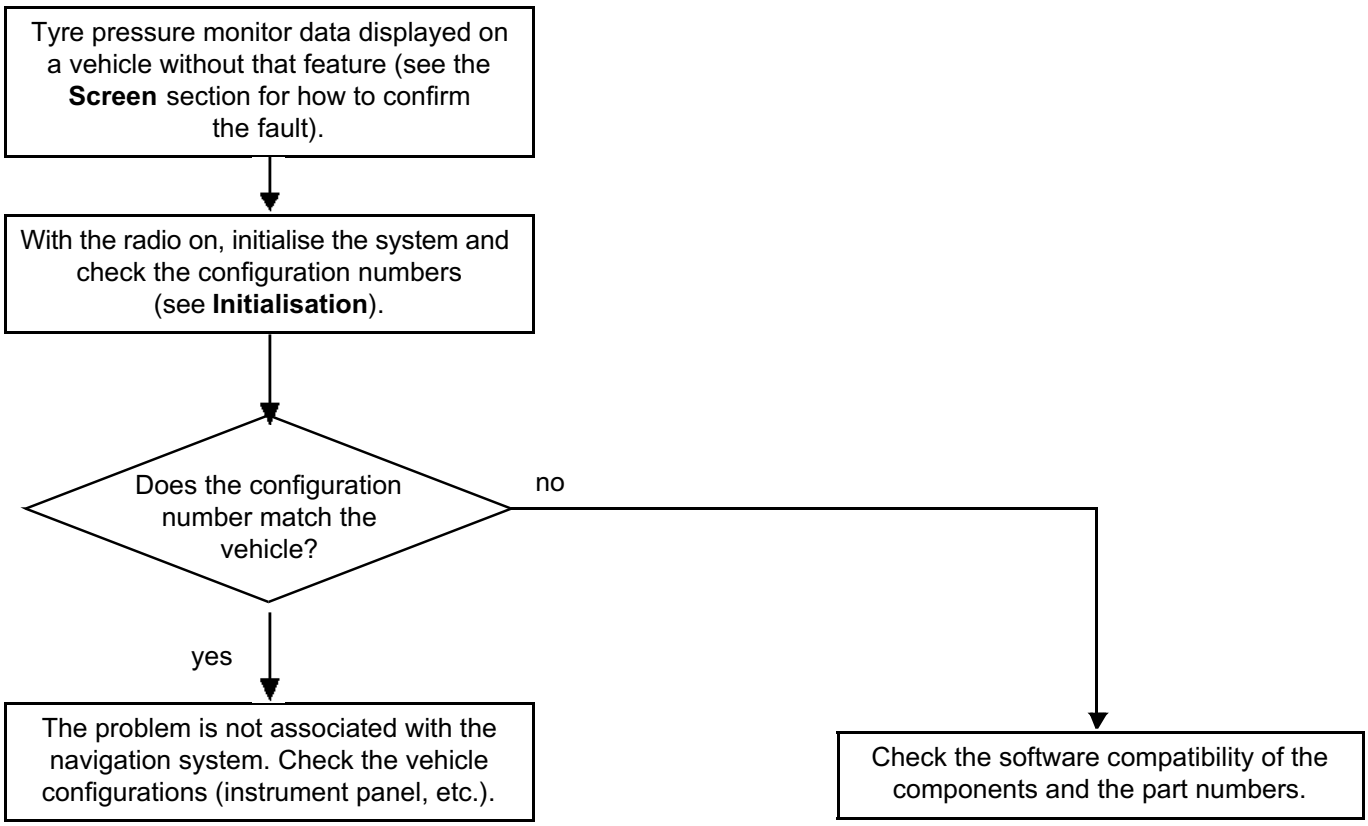
ALP 9	No time displayed (see the Screen section for how to confirm the fault).



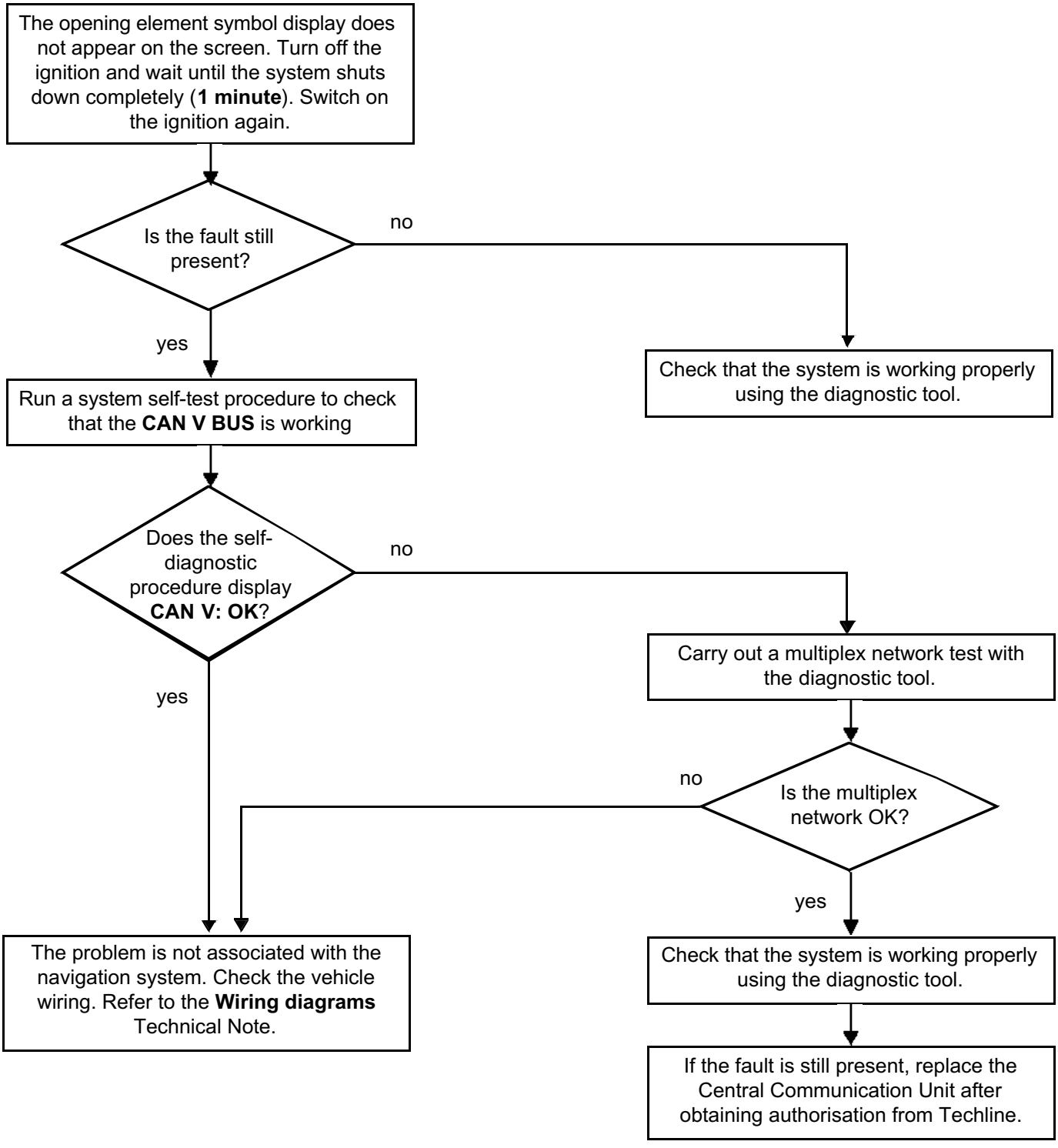
ALP 10	No tyre pressure system display (see Screen section for how to confirm the fault).



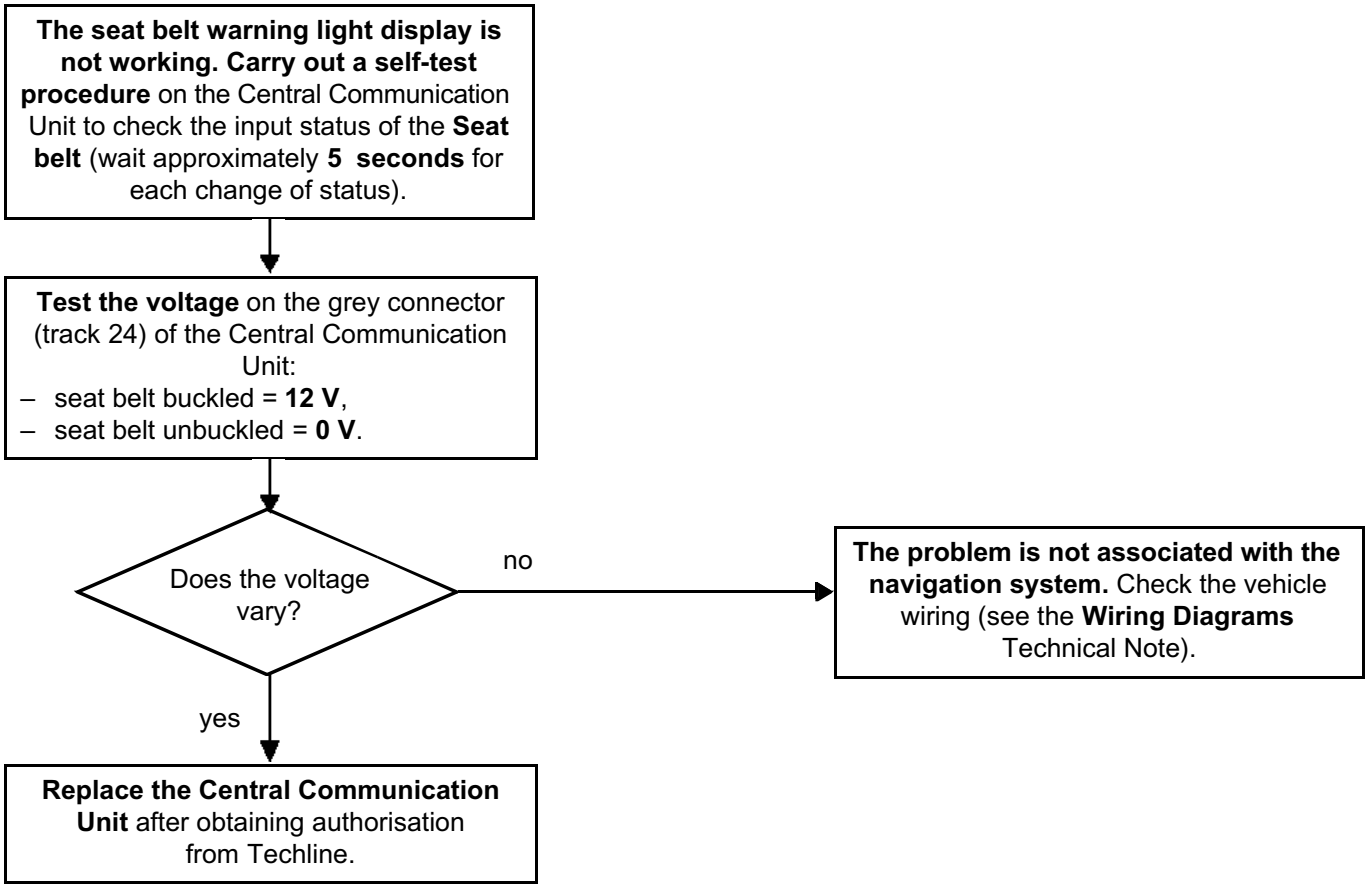
ALP 11	Tyre pressure monitor data displayed on a vehicle not equipped with it



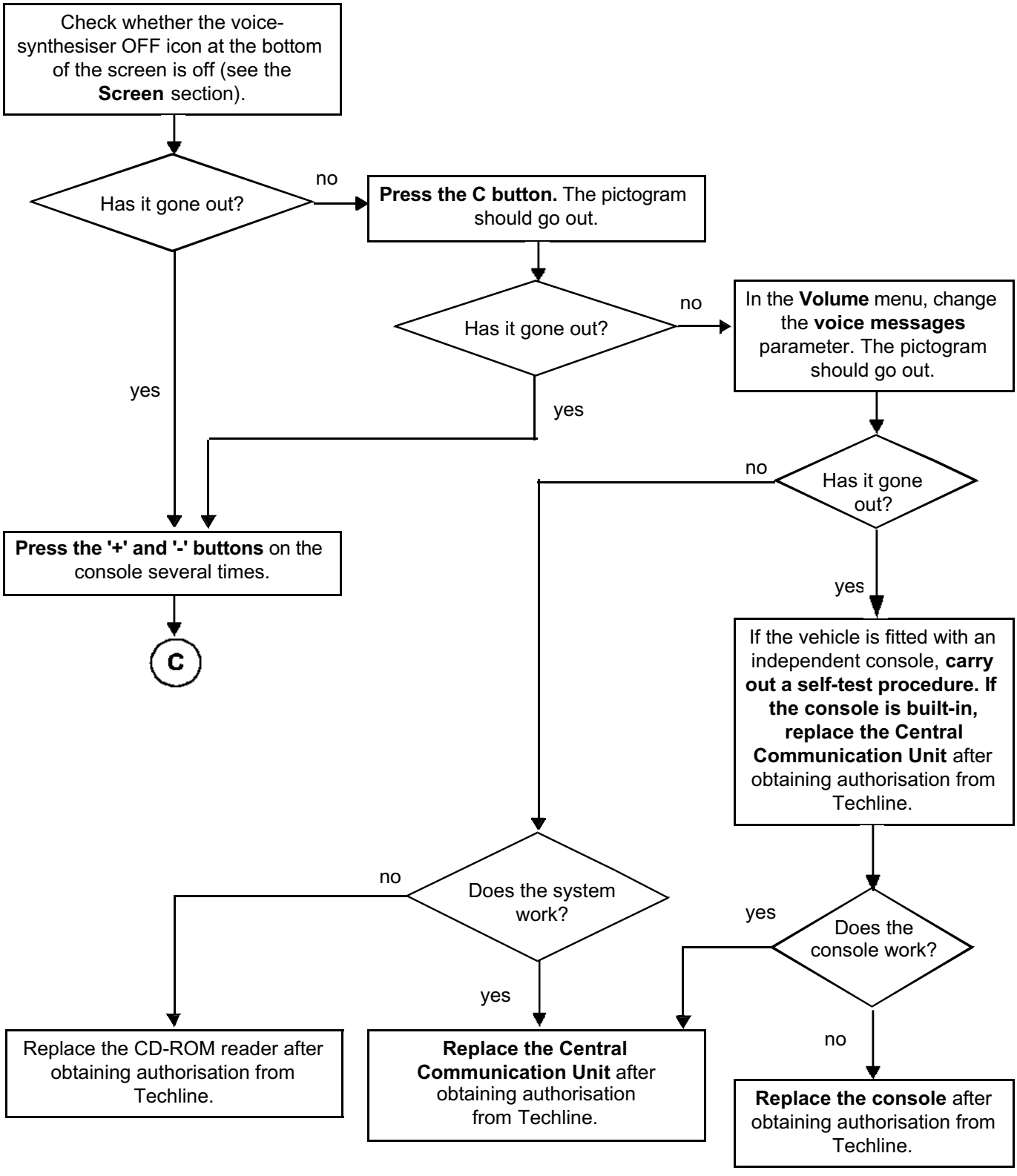
ALP 12	No opening element symbol display (see Screen section for how to confirm the fault).



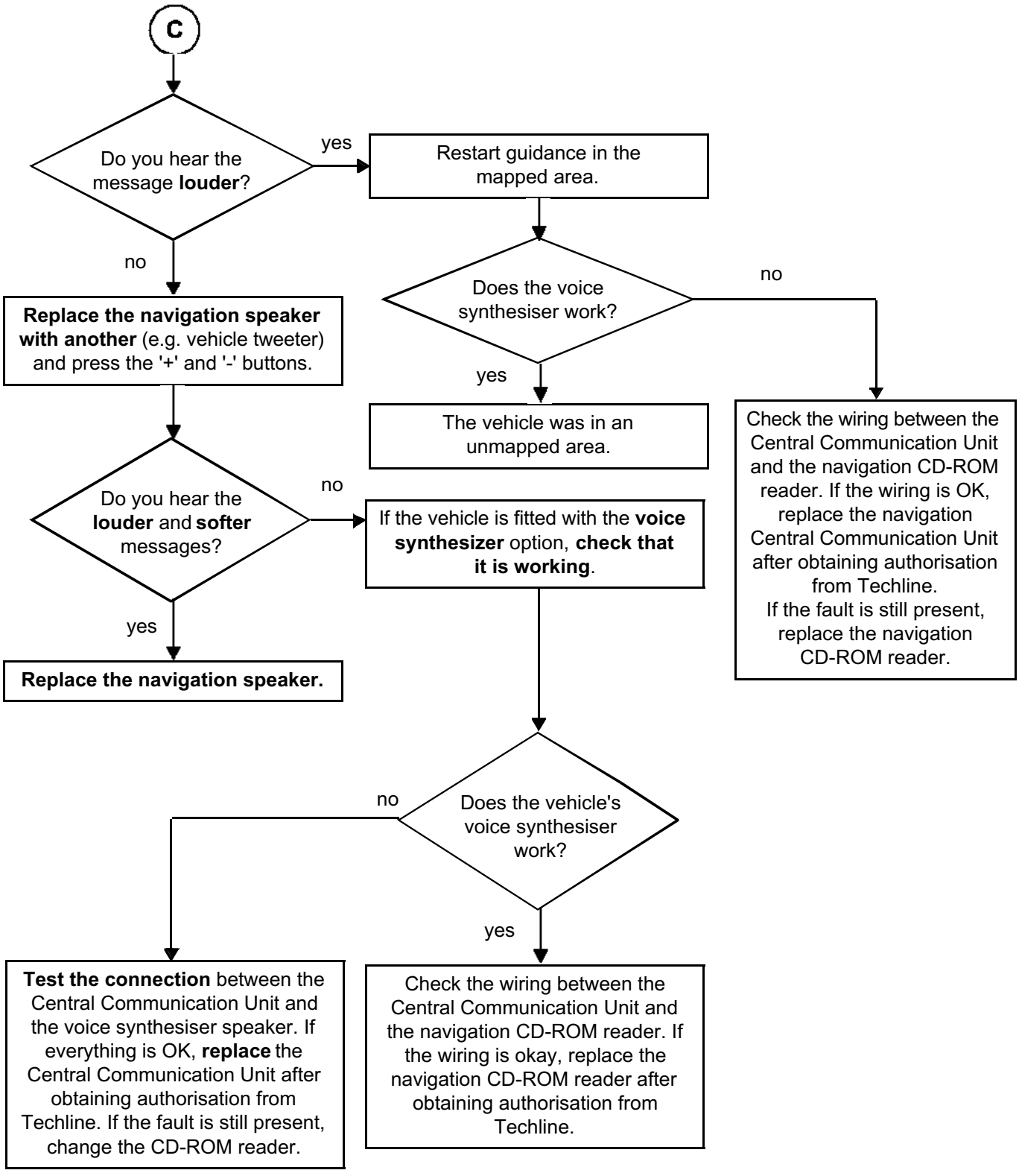
ALP 13	No seat-belt warning light displayed (see the Screen section for how to confirm the fault).



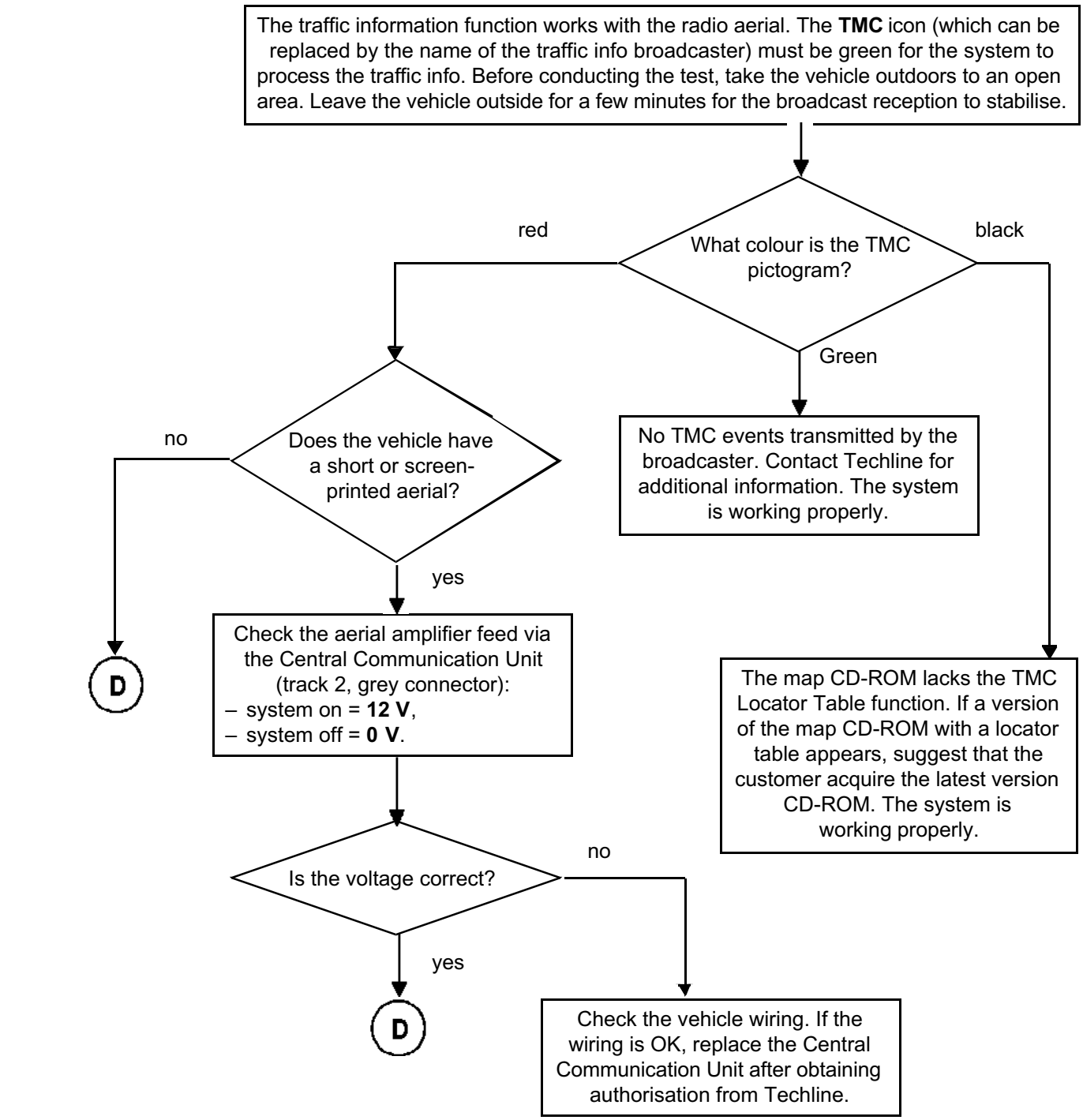
ALP 14	No voice messages



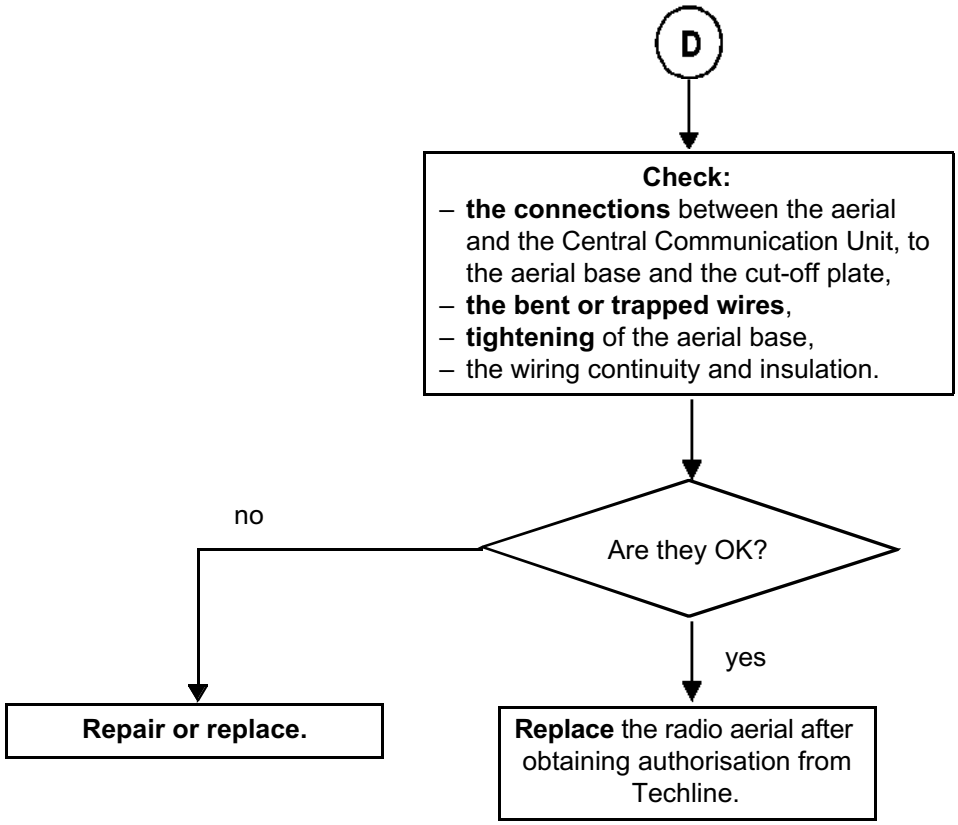
ALP 14 CONTINUED



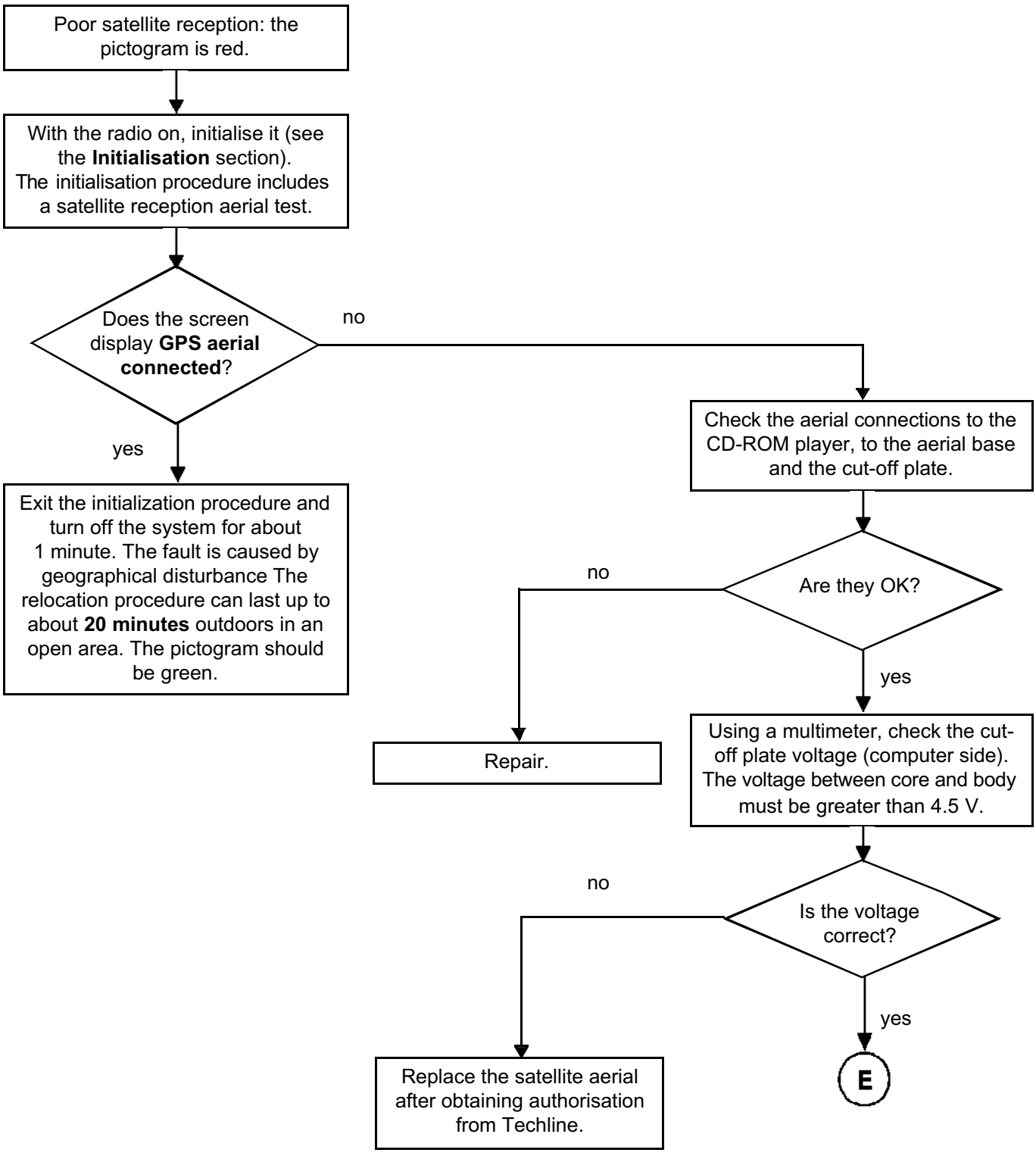
ALP 15	No traffic information message on the screen



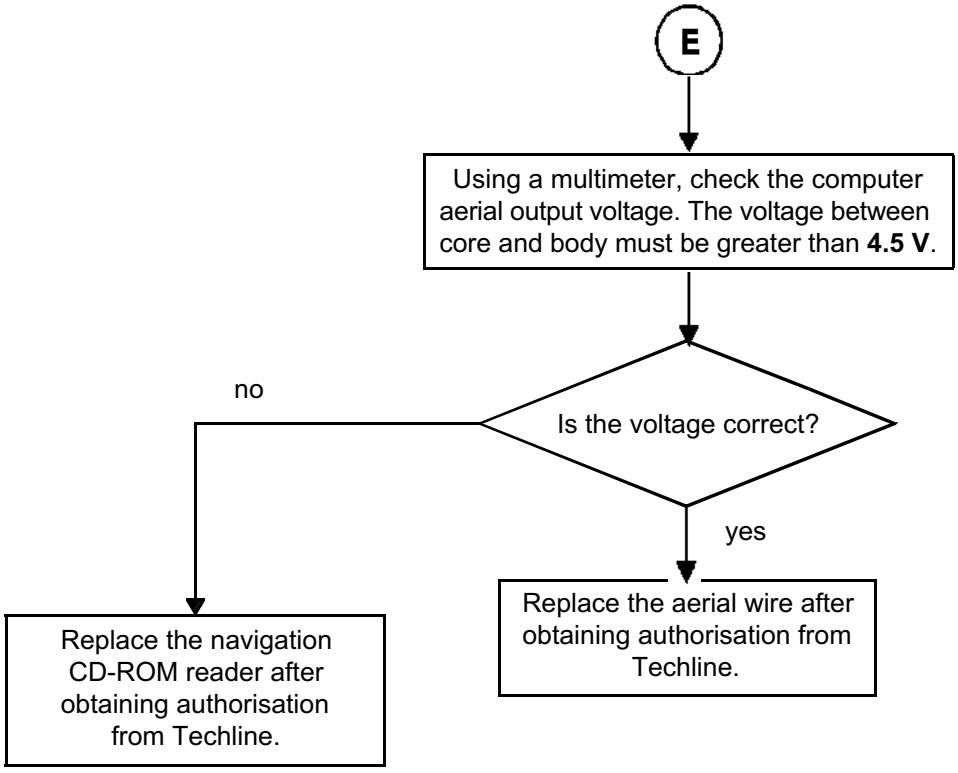
ALP 15 CONTINUED	



ALP 16	Poor satellite reception



ALP 16 CONTINUED	



MEGANE II

ALP 17	No radio display on the instrument panel or radio data on the instrument panel not refreshed

Open the navigation screen and check the display of radio data on the Carminat screen. Change stations and adjust the volume to make sure the display is not frozen.

Does the screen display radio data?

no

With the radio switched on, **carry out the initialisation procedure**. Check the configuration number (see the **Initialisation** section). Refer to the relevant fault finding chart.

yes

Check the instrument panel for faulty radio information display. Check:
- the multiplex connections (multimedia) between the instrument panel and the navigation system (Central Communication Unit or navigation CD-ROM reader),
- the **ON/OFF EXT** connection between the Central Communication Unit and the instrument panel. See the **Wiring diagrams** Technical Note.

Are the measurements correct?

no

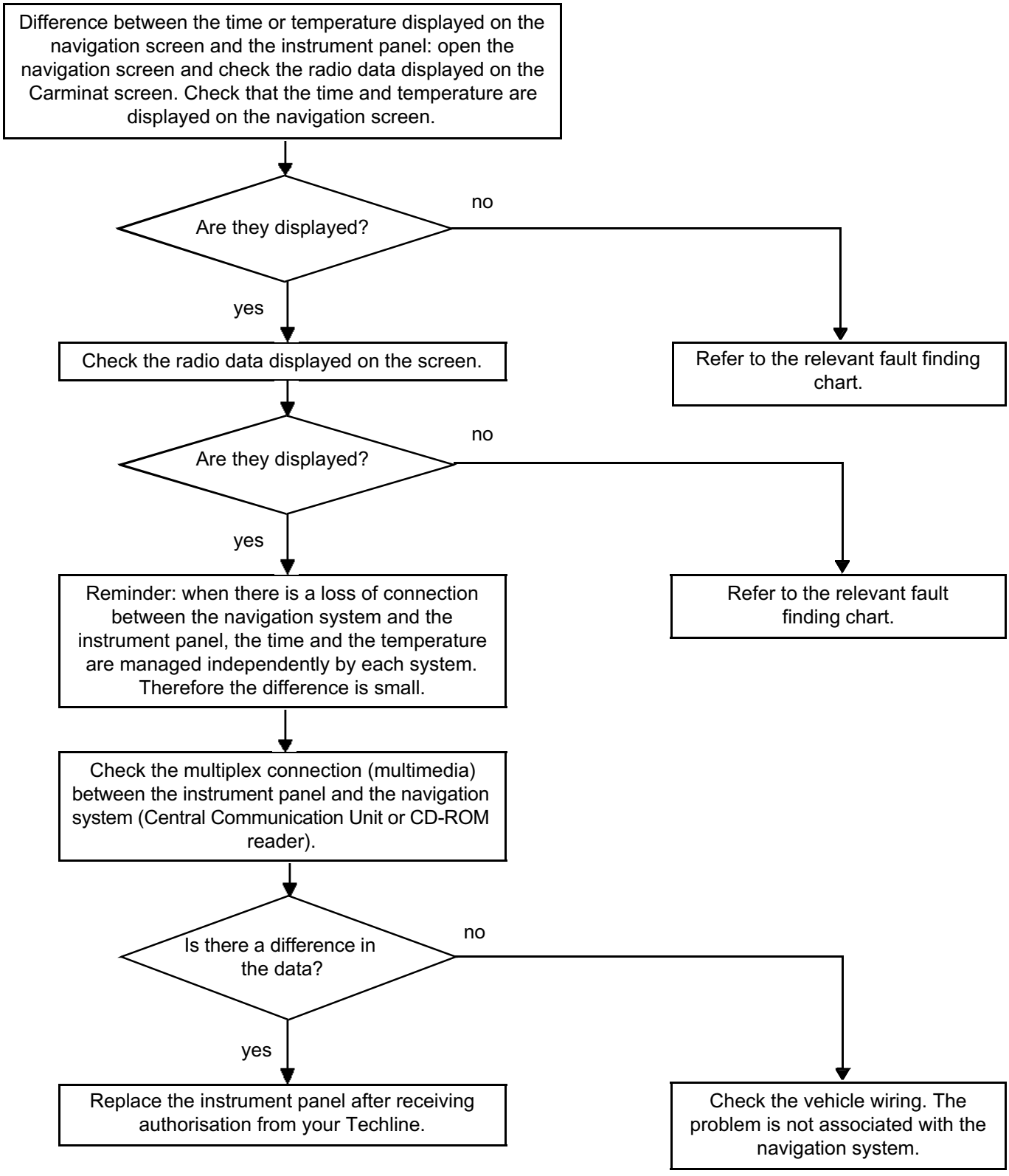
Check the vehicle wiring. The problem is not associated with the navigation system.

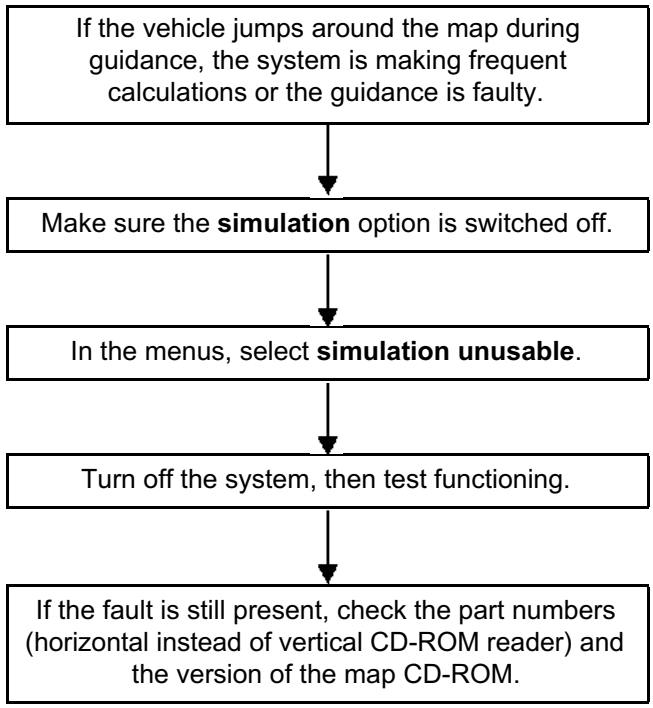
yes

Replace the instrument panel after receiving authorisation from your Techline.

MEGANE II

ALP 18	Time and temperature data displayed on instrument panel and navigation screen not the same



MEGANE II

ALP 19	**The vehicle jumps around the map during guidance, the system calculates very frequently or the guidance is incorrect**