

This device is a combined radio-compact disc player (or audio unit) with a remote control unit (satellite) positioned to the right of the steering wheel and which duplicates, for the main functions, the audio unit buttons.

The sound is diffused in the vehicle by 2 - 4 or 6 speakers (depending on the equipment).

For security reasons, the front panel of this device is removable.

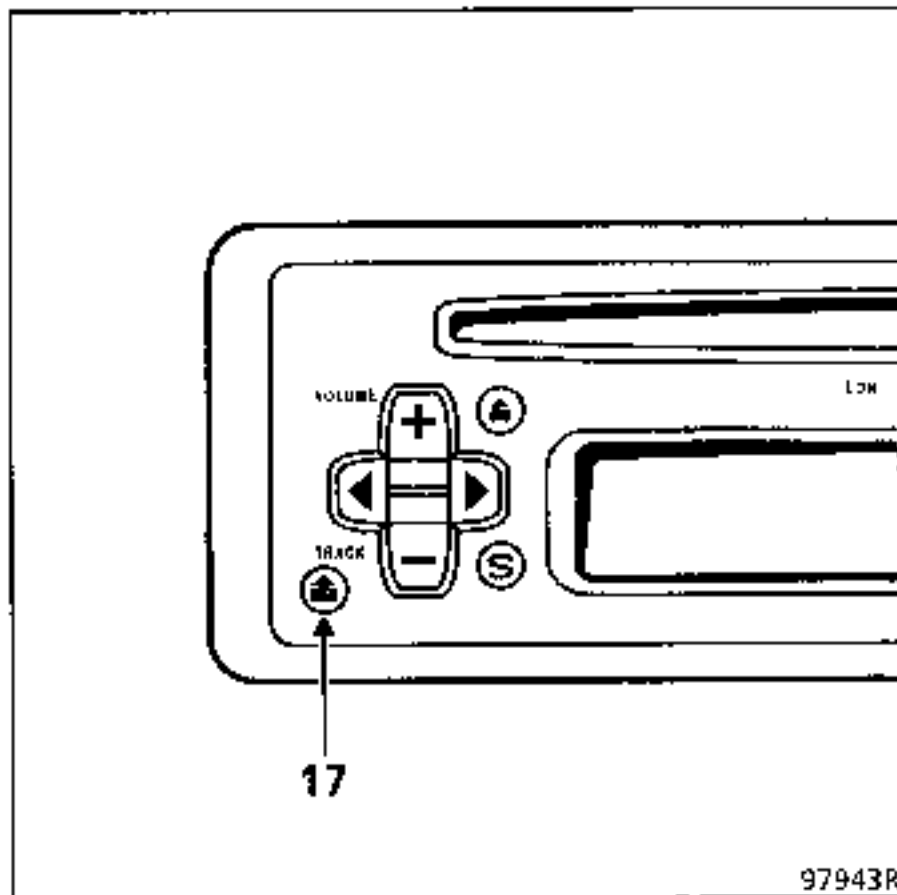
FUNCTIONAL CHARACTERISTICS

- A radio tuner allowing a great deal of information to be processed and memorised, and in particular, in auto-programming (BSM) automatic selection of the best transmitters broadcasting your FM programmes.
 - 4 wave bands MW and LW which are linked on one common band - F1 (FM1) - F2 (FM2) - F3 (FM3),
 - BSM : automatic memorising of the 6 best signals received on the FM range ,
 - 6 pre-selections per wave band,
 - manual or automatic searching of stations in increasing or decreasing frequency,
 - manual mono / stereo switch
 - 5 stopping sensitivity levels for electronic searching on the FM band, which can be selected from the front panel (only 2 for MW - LW band)
 - in FM, decoding of the RDS subcarrier
 - ▶ automatic monitoring of the stations from the same transmitter
 - ▶ clear display of the name of the programme,
 - ▶ "travel information" function.
- A compact disc player which can play discs of CD 12 cm, CD 8 cm, and CD video 12 cm (audio part only)
 - reinsertion system with timer of the disc after ejection,
 - one-touch access possible to each track of the disc,
 - fast forward / rewind within each track with accelerated listening,
 - "random" track playing method.
- 4 low frequency amplifiers, each producing an effective power of 15 watts (4×7 watts according to standard HIFI 45500)
 - electronic volume adjustment,
 - balance for left and right speakers,
 - balance for front and rear speakers (fader),
 - Loudness for adding tone relief (physiological corrector),
 - continuous control of treble and bass.

USING THE REMOVABLE FRONT PANEL

For security reasons, the front panel of this device is removable.

To remove it, simply press button (17) and pull on the front panel by holding it on the left hand side.



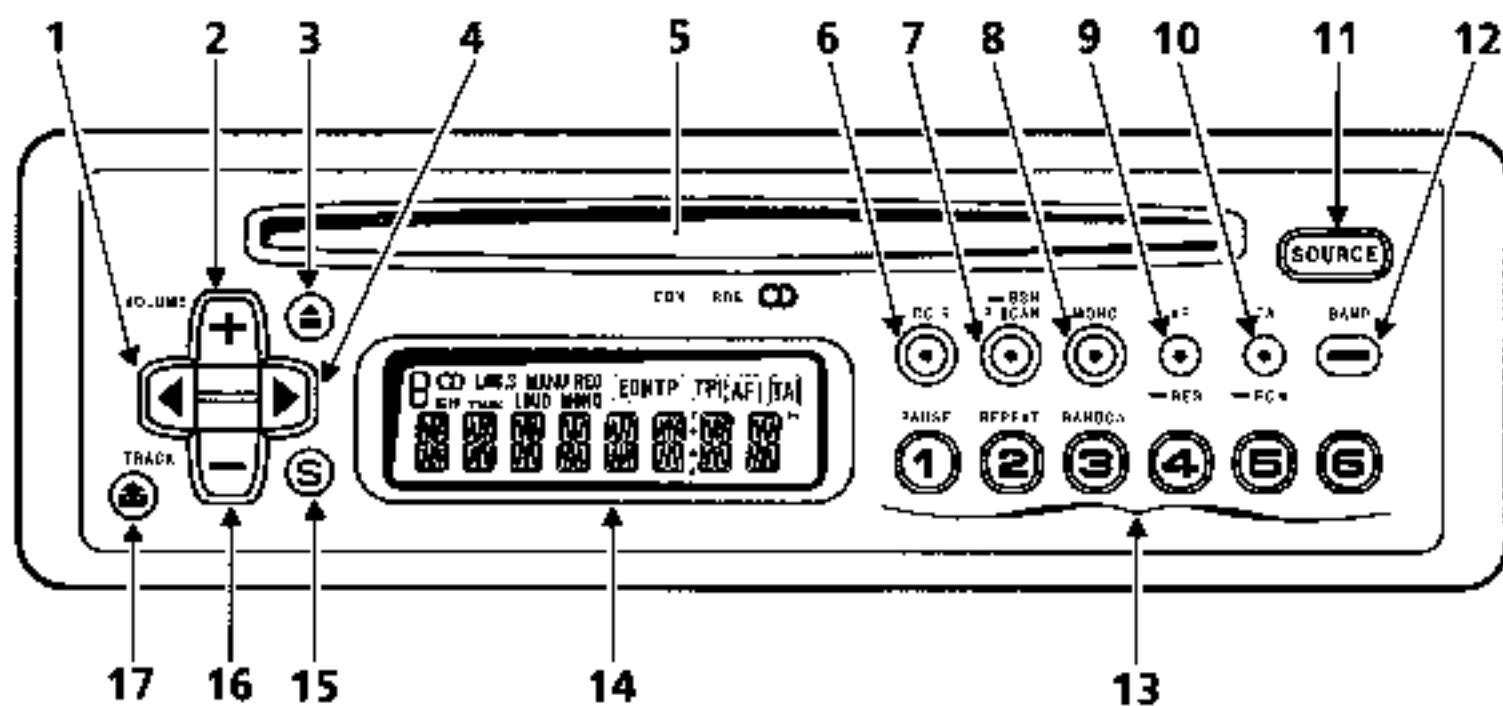
Precautions

- Do not remove the front panel when inserting or ejecting a disc.
- When replacing the front panel, do not press on the display or the buttons.

ALARM

When the ignition is switched off, after approximately 4 seconds, an alarm sounds to warn that the front panel has not been removed.

AUDIO UNIT



97943R1

1 MULTIFUNCTION BUTTON

- Switching on / off manual mode with illumination / extinction of warning light (14G) if button (4) is pressed at the same time.
- When the front / rear balance adjusting mode (mixer or fader) is selected, this button allows switching into left / right balance adjusting mode and partial adjustment to be performed (left only).
- When the treble adjusting mode is selected, this button allows switching into bass adjusting mode.
- When the physiological corrector adjusting mode is selected and the Loudness is activated, warning light (14F) illuminated, this button deactivates it.
- In radio mode :
 - adjustment of the automatic search stopping sensitivity level in "local" mode,
 - manual or automatic search in the direction of decreasing frequency.
- In CD mode :
 - "manual" mode activated : fast rewind button
 - "manual" mode deactivated : button for going to the start of previous tracks.

2 Allows :

- the volume to be increased,
- front / rear balance to be adjusted to the front,
- the bass and treble levels to be increased.

3 CD eject with return to the active configuration before CD was played.

4 MULTIFUNCTION BUTTON

- Switching on / off "manual" mode with illumination / extinction of warning light (14G) if button (1) is pressed at the same time.
- When the front / rear balance adjusting mode (mixer or fader) is selected, this button allows switching into left / right balance adjusting mode and partial adjustment to be performed (right only).
- When the bass adjusting mode is selected, this button allows switching into treble adjusting mode.
- When the physiological corrector adjusting mode is selected and the Loudness is deactivated, warning light (14F) not illuminated, this button activates it.
- In radio mode :
 - adjustment of the automatic search stopping sensitivity level in "local" mode,
 - manual or automatic search in the direction of increasing frequency.
- In CD mode :
 - "manual" mode activated: fast forward button
 - "manual" mode deactivated : button for going to the start of following tracks.

5 CD PLAYER COMPARTMENT

- 6 ● Switch for the automatic search stopping sensitivity level by a short press (less than 2 seconds) on the button.
- LOC S lit : "Local" mode activated
Normal search stopping sensitivity
Electronic search only stops at the stations received with a sufficient level to allow comfortable listening.
 - LOC S not lit : Increased search stopping sensitivity .
Electronic search stops at all stations received even if the listening quality is not optimum.
- A long press (more than 2 seconds) selects the adjusting mode of the automatic search stopping sensitivity; there are 4 different levels.

7 MULTIFUNCTION BUTTON

- "BSM" function : a long press starts auto-programming if the radio mode is active.
- "P. SCAN" function: a short press starts the scanning of the pre-selected stations in the active FM band (F1, F2, or F3).

8 MULTIFUNCTION BUTTON

- Selects the monophonic (mono) receiving mode by a short press.
- Recalls the station frequency and the active wave band when the name of the station is displayed clearly, by a long press.

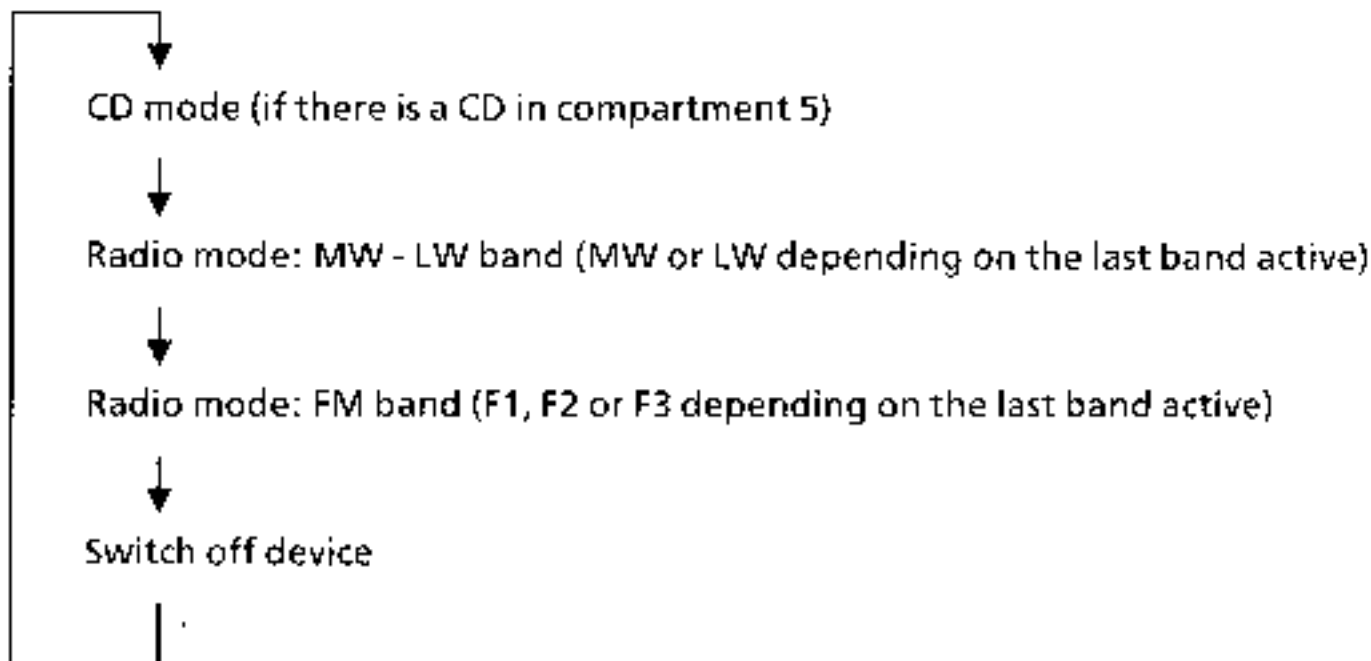
9 MULTIFUNCTION BUTTON

- Selects the automatic following mode of stations from the same RDS transmitter by a short press on the button ("AF" mode).
- Selects the automatic following mode of stations from the same national RDS transmitter broadcasting a specific regional programme by a long press on the button ("regional" mode).

10 MULTIFUNCTION BUTTON

- Switch for switching on / off "traffic programme" mode with which certain RDS transmitters are fitted, by a short press ("TP" mode).
- Switch for switching on / off "EON TP" mode with which certain RDS transmitters are fitted for broadcasting traffic programme messages, by an extended press on the button.

11 Changes the source on each press according to the following cycle :



12 Button for selecting one of the 3 wave bands available F1, F2 or F3

13 RADIO MODE

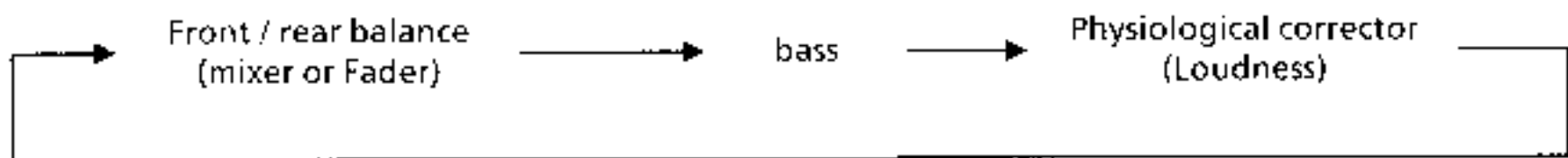
- Recalls the pre selections (1 to 6) of the radio stations by a short press (less than 2 seconds).
- Memorising of radio stations by a sustained press (more than 2 seconds).

CD MODE

- 13.1 Creates a pause when playing a CD ; the next press on the button restarts playing.
- 13.2 Plays the current track again after the end of the track and continues until "repeat" mode is switched off by pressing the button again.
- 13.3 CD tracks will be played in no apparent order from now on and will continue until "random play" is switched off by pressing the button again.

14 DISPLAY

- 15 On each press, allows an adjustment mode of listening comfort to be selected according to the following cycle.

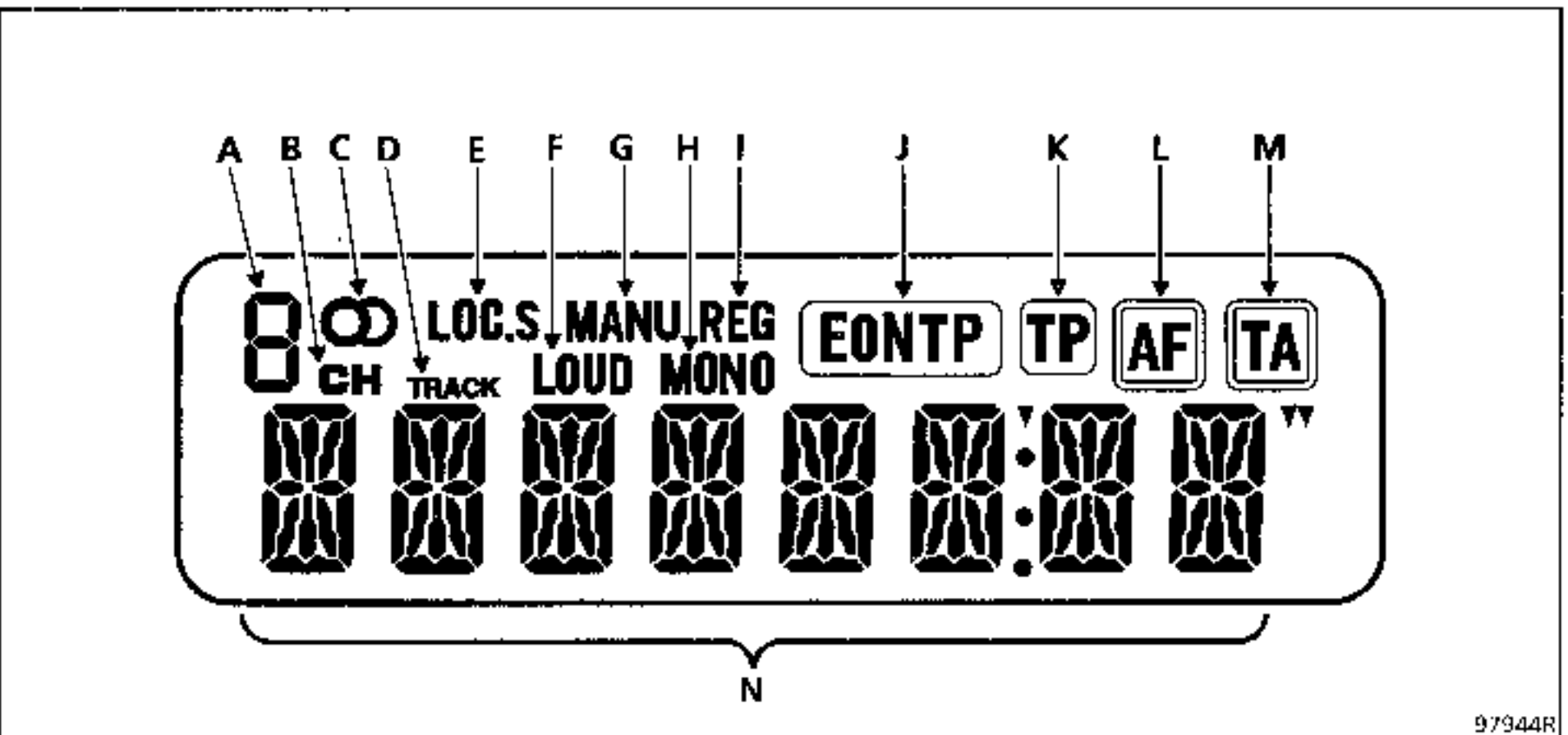


16 Allows

- the volume to be reduced,
- adjustment of front / rear balance towards the rear,
- the treble and bass levels to be reduced.

17 Allows the front panel to be removed.

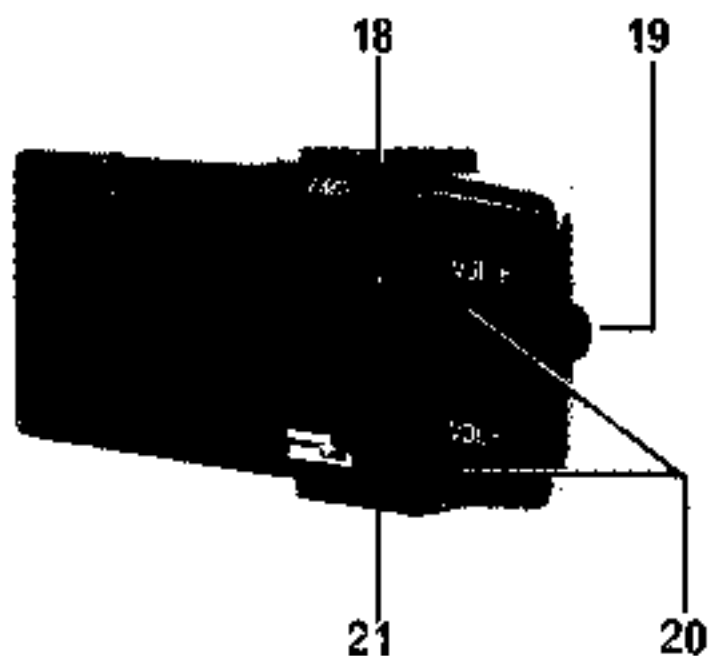
DISPLAY (14)



97944R

- A Number of the active pre-selection (1 to 6)
- B Active pre-selection indicator (linked to warning light 14 A)
- C Stereo reception indicator
- D CD mode active indicator
- E Local automatic search stopping mode indicator
- F Physiological corrector indicator (Loudness)
- G **In radio mode :** manual station adjustment mode warning light
In CD mode : fast forward or return mode warning light
- H Monophonic ("mono") mode selection indicator
- I "Regional" mode for RDS transmitters indicator
- J Lights up when the radio is tuned in to a transmitter which can broadcast traffic programmes sent by the different transmitters of the same network; this occurs whatever the status of the button (10)
- K Identification warning light of a transmitter capable of broadcasting traffic information (Traffic Programme); this occurs whatever the status of the button (10)
- L Indicator of operation of automatic following mode of certain transmitters. It warns that button (9) is activated.
- M Traffic Programme mode operating indicator; the device is waiting for a message
- N **Miscellaneous messages :** the display permanently gives the status of the active mode

SATELLITE (Remote control unit)



18 LMU BUTTON

- Long press (more than 2 seconds).
Changes the source on each sustained press:
 - CD player (if there is a CD in compartment 5)
 - MW - LW (MW or LW according to the last band active)
 - FM (F1, F2 or F3 according to the last FM band listened to)
- Short press (less than 2 seconds)
In FM, changes the band on each press F1, F2 and F3.

20 ● Volume switches + and -

- Actioned simultaneously, the sound level is immediately attenuated by 20 dB/ Removal of volume attenuation.
- After having selected the listening comfort adjusting mode with buttons (1), (2) and (15) on the front panel of the radio, adjustments can be made using these two rockers.

RADIO MODE

- 19** Knob for the 6 successive pre-selections on the selected band.
- 21** ● Short press : automatic search of frequencies in the increasing direction.
- Long press : starts auto-programming in FM band (BSM) as long as the device is already tuned in to an FM frequency (F1, F2 or F3)

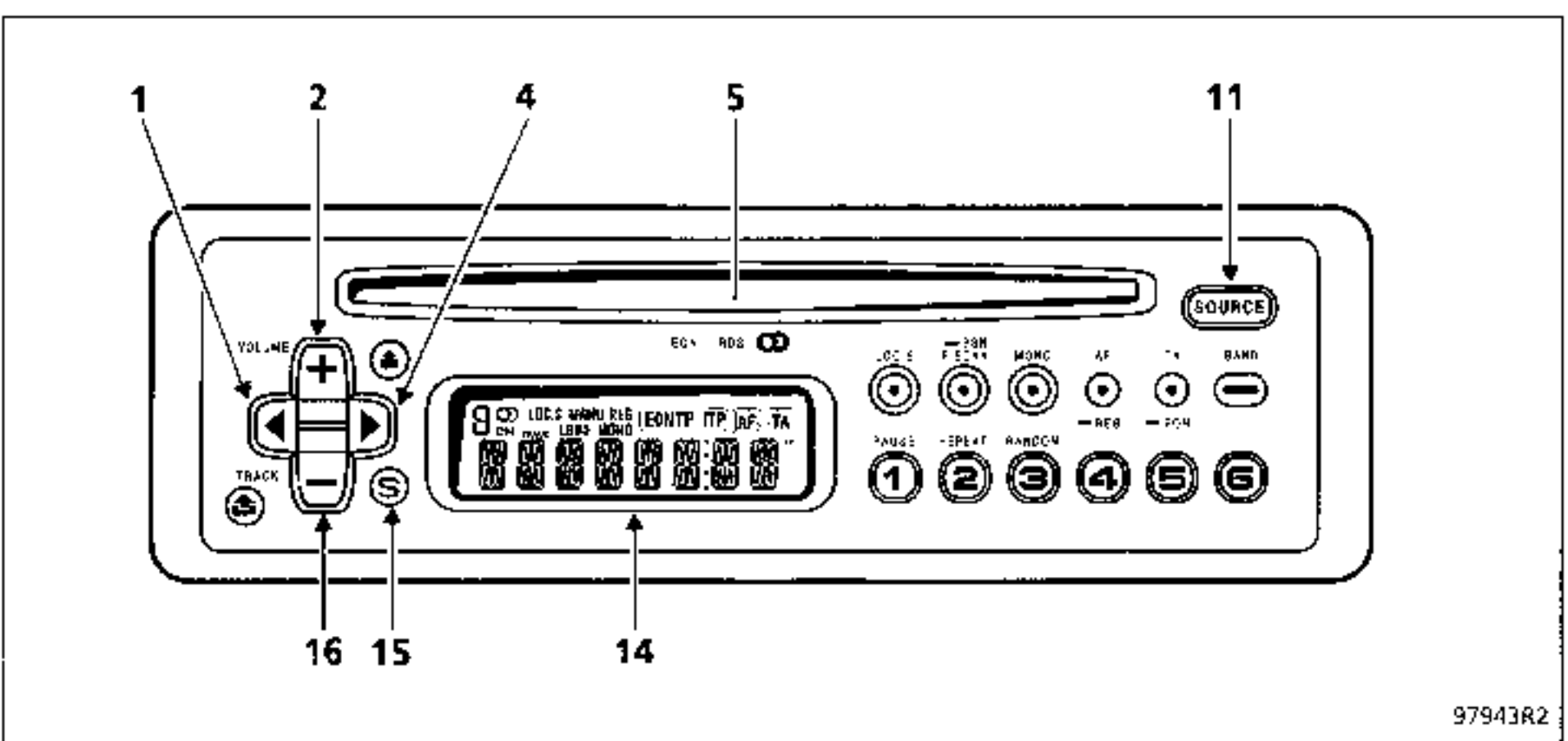
CD MODE

19 Track selecting knob

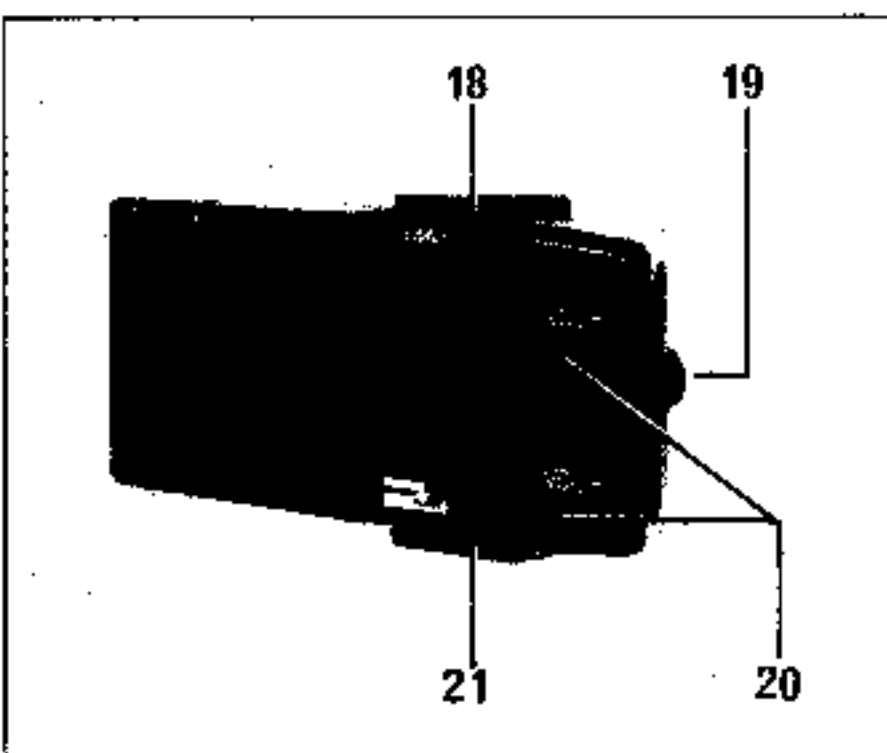
- one notch from top to bottom : goes to the start of the next track,
- "n" notches from top to bottom: goes to the start of the "nth" following track,
- one notch from bottom to top : goes to the start of the current track ,
- "n" notches from bottom to top : goes to the start of the "nth" previous track plus one .

- 21** Pauses the CD player / Restarts the player by pressing again.

RADIO



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ADJUSTMENT OF LISTENING COMFORT

Volume Buttons (2) and (16) on the front panel or (20) on the satellite with indication of the sound level on the display.

VOL 00 to VOL 30

Bass Select the function by pressing button (15) then adjust using buttons (2) and (16) or (20) of the satellite.
Front / rear balance

Treble After having selected the "Bass" adjusting mode, switch to "Treble" adjusting mode by pressing button (4).

Adjust using buttons (2) and (16) or (20) of the satellite.

Pressing button (4) again reactivates the "Bass" adjusting mode.

ON / OFF

Press button (11).

When switched on, if there is a CD in compartment (5), the device starts playing it otherwise it goes directly into radio mode and to the MW or LW band depending on the last band active.

NOTE : If the ignition is switched off without the device being switched off first, when the ignition is switched on again, the last status is recalled (last source and last frequency or last track).

Left/right balance After having selected the front / rear balance adjusting mode, switch to left/ right balance adjusting mode by pressing one of the buttons (1) or (4) then adjust using these same buttons.

Pressing (2) or (16) reactivates the front / rear balance adjusting mode.

Loudness Select the function by pressing button (15), then activate it by pressing button (4) or deactivate it by pressing button (1)

LOUD ON or LOUD OFF

As soon as button (15) is pressed, the display (14) shows the function selected and its adjustment. The display returns to the frequency or the CD track if no adjustment is carried out within 4 seconds.

ADJUSTING SCALES

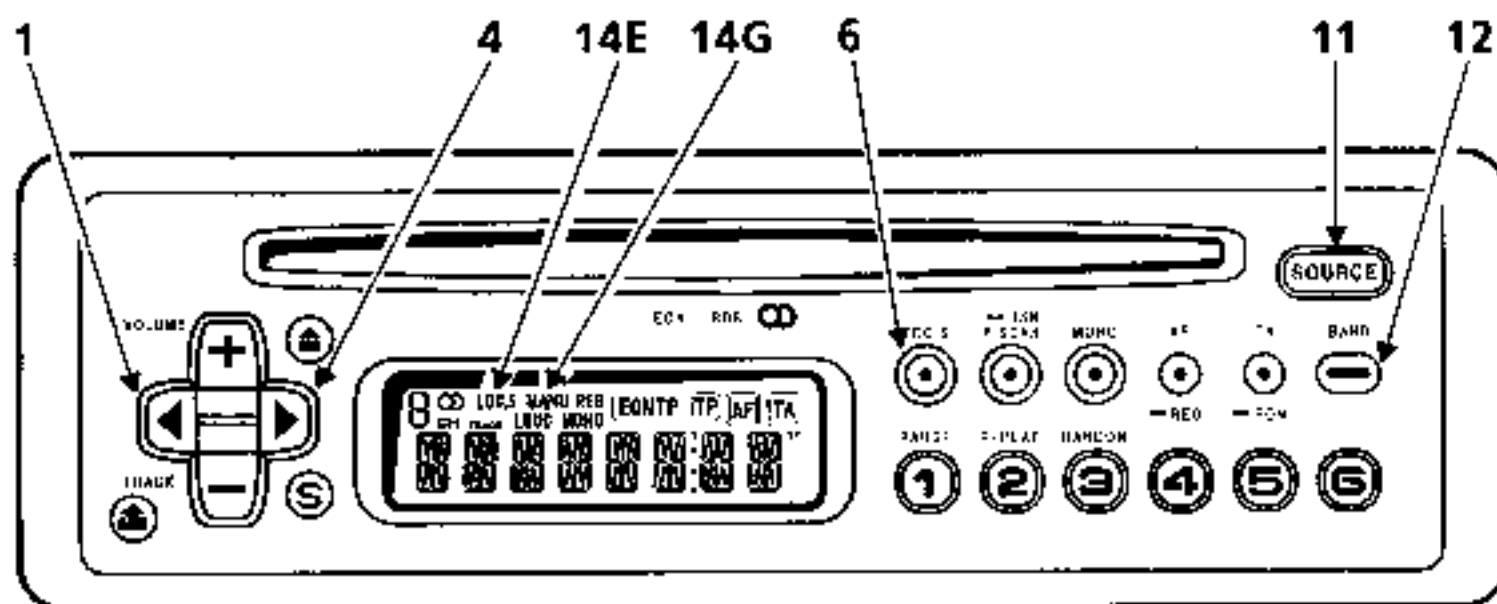
Bass	Treble	
BAS -6	TRE -6	min
BAS 0	TRE 0	average
BAS +6	TRE +6	max

Front/rear balance	
FRI FG	all to the front
FRI 0	middle
FRI RG	all to the rear

Left/right balance	
BAL LG	all to the left
BAL 0	middle
BAL RG	all to the right

These adjustments are reinstated every time the device is switched on.

If the main supply is disconnected, they are stored for approximately 24 hours then they revert to their average value.



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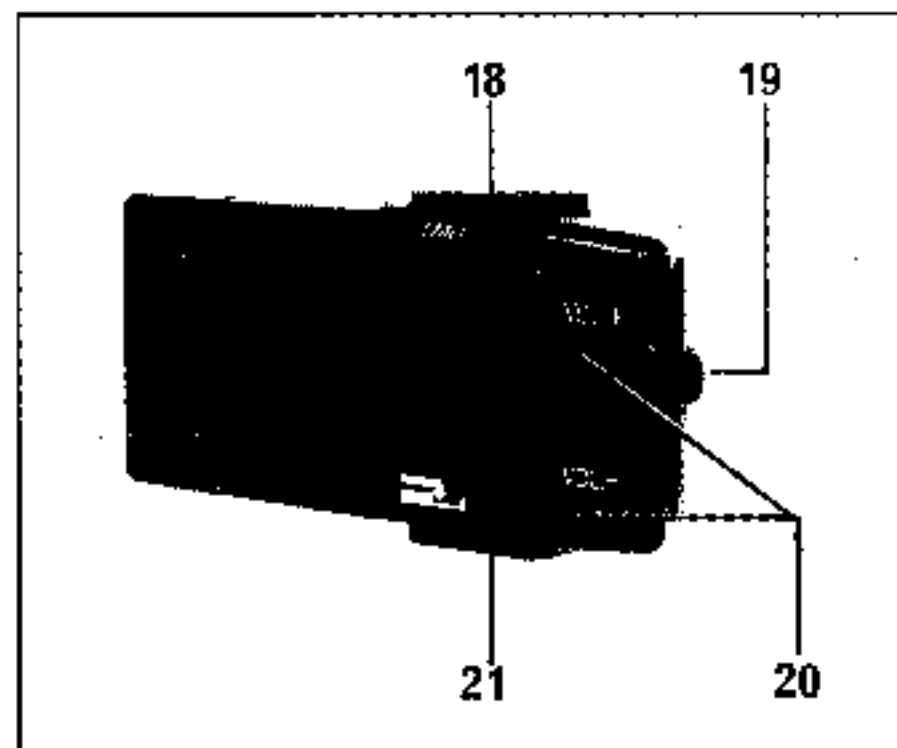
WAVE BAND SELECTION

From the front panel of the radio

- Selection of AM wave bands (MW - LW, 2 bands combined) or FM (F1, F2 or F3 according to the last band active) : press button (11).
- Selection of the desired FM wave band :
 - press button (11) to activate an FM band, if necessary ,
 - then select the desired FM band (F1, F2 or F3) by pressing button (12).

From the satellite

- Selection of AM wavelengths (MW or LW according to the last band active) or FM (F1, F2 or F3 according to the last band active) by a long press (more than 2 seconds) on button (18).
- Selection of the desired FM wavelength :



- press button (18) for more than 2 seconds to activate an FM band, if necessary,
- then select the desired FM band (F1, F2 or F3) by short presses (less than 2 seconds) on button (18).

MANUAL FREQUENCY SEARCHING

If warning light (14G) does not appear on the display, select manual mode by pressing buttons (1) and (4) simultaneously; warning light (14G) lights up.

Select the wave band (see before) :

- short press on (1) or (4) of the front panel or (21) of the satellite : the frequency changes by one step (50 kHz in FM, 9 kHz in MW - LW),
- prolonged press on (1) or (4) of the front panel or (21) of the satellite : frequencies scroll quickly for as long as the button is pressed .

AUTOMATIC SEARCH

If warning light (14G) is illuminated, select automatic adjusting mode by pressing buttons (1) and (4) simultaneously; warning light (14G) goes out.

Select the wave band as described before :

- short press on one of the buttons (1) or (4) : frequencies scroll upwards or downwards,
- short press on button (21) of the satellite : frequencies scroll upwards only.

Search sensitivity level

A search sensitivity level is active by default (DX) ; all frequencies are selected whatever their reception level.

Note : there is no warning light for this DX sensitivity level.

Local search sensitivity level

There is a local search mode for which the threshold level is increased; in other words, only stations with a strong signal are selected.

A short press on button (6) switches the function on / off ; warning light (14E) is illuminated when the local search mode is active.

In FM, 4 local search sensitivity levels are available, but only 2 in MW - LW;

LOC --4 being the highest threshold level (strong signal only)

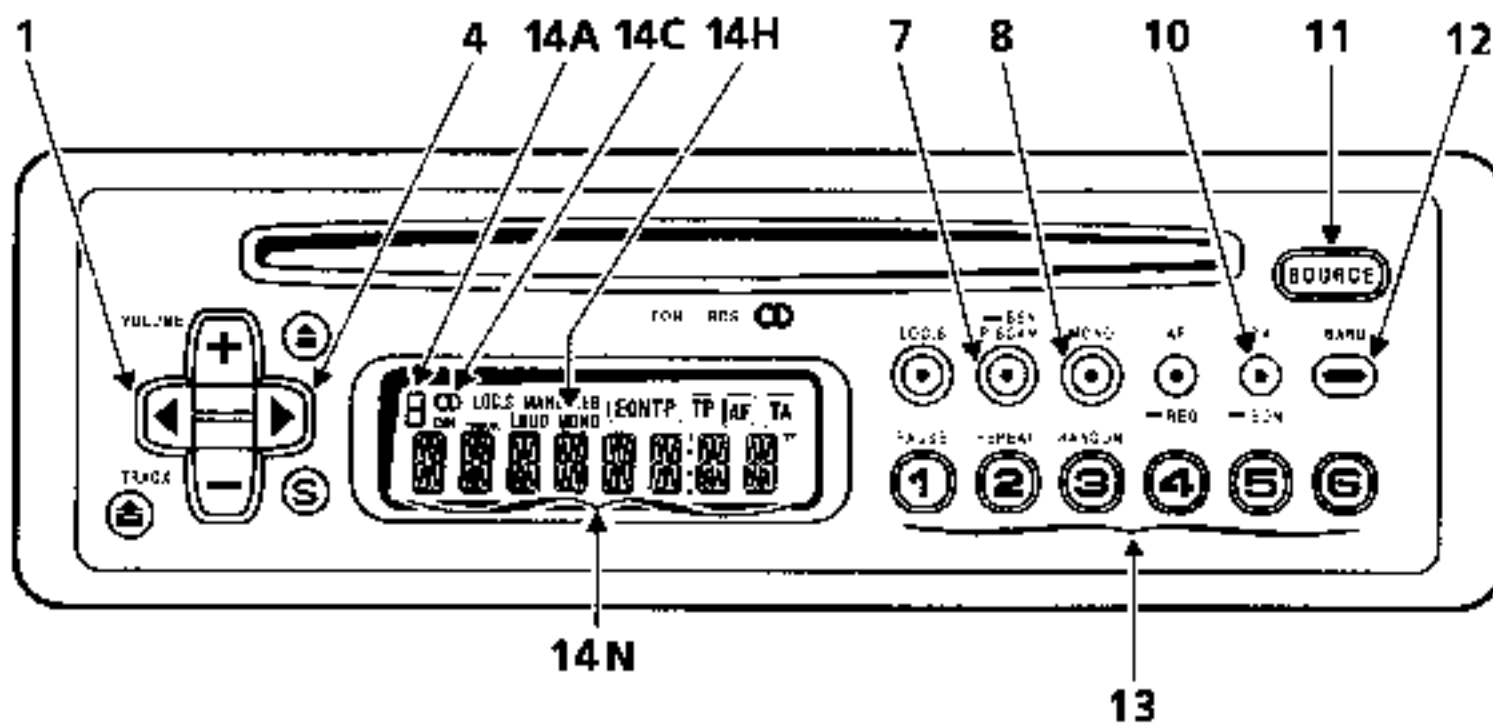
Adjusting the local search sensitivity level

To alter the search sensitivity level, press button (6) for at least 2 seconds : the current sensitivity level is displayed.

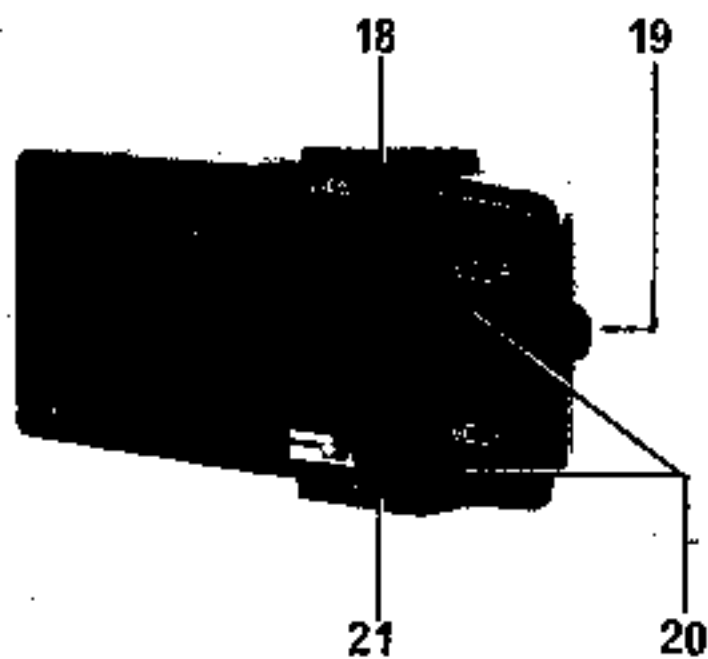
(example : **LOC --3**)

Choose the desired level with one of the buttons (1) or (4).

Note : if no adjustment is carried out within 5 seconds, the sensitivity level adjusting mode is cancelled.



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Note : it is therefore possible to programme up to 18 FM stations and 6 MW - LW stations.

Recalling the pre-selections

Briefly press the chosen button (13) or rotate the knob (19) after having selected the wave band.

AUTO-PROGRAMMING IN THE FM BAND (BSM)

Automatic memorising is an extension of the automatic search command.

This consists of initialising, in one operation, the selection and memorising of the 6 most powerful stations in the area without having to know their wavelength.

PRE-SELECTIONS

Programming

Select a wave band : button (11) then (12) of the radio or (18) of the satellite.

Search for a station manually or automatically.

Press the chosen pre-selection (13) for at least 2 seconds; warning light (14A) indicating the number of the pre-selection flashes on the display.

When warning light (14A) stops flashing, the displayed frequency is programmed (memorised).

Procedure :

- Press button (7) for at least 2 seconds. The "BSM" indicator flashes on the display (14N) and the unit is silent.
- When the display stops flashing, the auto-programming procedure has finished, the selected stations have been memorised and the first 6 pre-selections 13-1 will be heard.
- A pre-selection number between 1 and 6 is assigned to each selected station in decreasing order of their reception levels : the frequency of the strongest signal received is memorised in pre-selection 1 and the frequency memorised in pre-selection 6, if it exists, is that of the weakest signal received.

Note :

- The procedure can be interrupted at any time by pressing button (7) again.
- The complete procedure lasts approximately 30 seconds.

**SCANNING THE PRE-SELECTED STATIONS
(SCAN)**

The function recalls the stations programmed into the pre-selections 1 to 6 one after the other for 8 seconds each (in the selected wave band).

The function is operated by briefly pressing button (7) (less than 2 seconds).

The complete display changes depending on the frequency and pre-selection broadcast (therefore every 8 seconds). Indicator (14A) flashes throughout the scan.

Scanning can be interrupted at any moment

- by pressing button (7) again. The frequency on the display at that time will continue to be broadcast.
- by pressing one (1 to 6) of the pre-selection buttons (13).
This causes the frequency memorised in the pre-selection to be recalled.

Note : a memorised station, but for which the signal is too weak will not be recalled during scanning.

MONOPHONIC RECEPTION ON THE FM BAND

If a station received in stereo (warning light (14C) illuminated) has too much "interference noise", switching to monophonic reception mode, by briefly pressing button (8), reduces it ; warning light (14C) goes out and is replaced by warning light (14H). This remains illuminated until "mono" reception mode is cancelled by briefly pressing button (8) again.

USING RDS MODE (Radio Data System)

RDS is a system which allows certain FM transmitters to transmit inaudible information (digital data) in parallel with the radio signal.

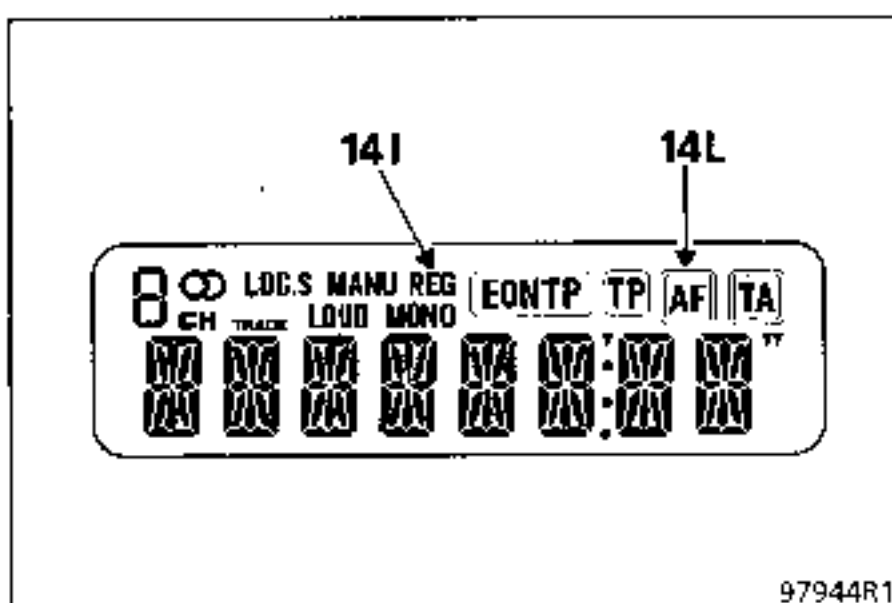
It allows :

- the name of the broadcast programme to be displayed clearly (code "PS"),
- the programme chosen initially to be followed automatically on the most appropriate frequencies; during a journey for example (code "AF"),
- the transmitters capable of transmitting traffic programme to be selected (codes "TP" and "TA").

Note : RDS functions might not work properly in areas where RDS transmissions are still at an experimental stage.

• Display of the programme name

When the device tunes in to an RDS transmitter, during a manual or automatic search, the frequency appears on the screen before the name of the programme is displayed clearly; this occurs after several seconds which corresponds to the time the radio takes to decode the "PS" code transmitted by the RDS transmitter.



This function is active whatever the status of the button (9).

A long press on button (8) allows the corresponding frequency to reappear (after approximately 2 seconds).

• Operating principle of automatic following (AF mode)

A transmitter sends, other than its name, a list of all the other transmitters which are broadcasting the same programme as itself.

When travelling, these different transmitters will be systematically scanned by the device which will choose to tune into the transmitter whose signal is the strongest.

This feature will be transparent from the display's point of view since the name of the programme remains unchanged.

Switching into AF mode

Press button (9) briefly, so as to select AF mode; warning light (14L) lights up.

This light flashes in certain cases :

- when the device is tuned into a non-RDS transmitter when AF mode was selected ;
- when the radio is not able to decode the list sent by the transmitter (interference) ;
- when the RDS transmitter does not transmit the list of names associated to a programme.

The message **PI SEEK**

appears on the display when the signal of the RDS programme being listened to is no longer received at a sufficient level.

In this case, the sound is cut whilst the device scans the various frequencies associated to the name of the programme.

If another frequency is chosen, the programme continues.

However, if a sufficiently powerful transmitter is not found, the initial frequency reappears on the display.

Automatic search, memorising and auto-programming of stations in AF mode

After having selected AF mode by pressing button (9) briefly, the procedures are the same as those followed for non-RDS stations.

Note : in auto-programming (BSM), if the device find less than 6 RDS stations having a correct reception level, the pre-selections are filled up with non RDS stations. For these, warning light (14L) will flash when they are selected.

Recalling pre-selections

– AF mode activated

When a pre-selected RDS station is recalled, the memorised frequency is displayed and then replaced with the name of the programme (clearly) shortly afterwards.

If its signal is weak or if its identification code is no longer the same (due to being in a different area, for example) the device will search for a new suitable frequency; the message :

PI SEEK

is displayed during the search.

When the device tunes into a new frequency, the name of the programme reappears on the display; the frequency having changed.

If the device cannot find a suitable frequency to tune in to, the initial pre-selected frequency reappears on the display and if this frequency corresponds to another station (due to different area), this will be audible; only the frequency will be displayed.

– AF mode deactivated

When a pre-selected RDS stations is recalled, the memorised frequency is displayed briefly before being replaced by the name of the programme (clearly).

If the station into which the device is tuned has a different identification code to the one memorised with the initial frequency (due to different area for example), the new name will be displayed when the signal received is strong enough.

● "Regional" mode

Some national RDS transmitters can broadcast specific regional programmes.

Their identification codes as well as the lists of associated frequencies can be the same or different depending on the case.

If the list of frequencies (AF code) is common, the device will change frequency fairly frequently. Therefore, the signal received will always be strong.

Listening quality will therefore be pleasant if the regional programmes broadcast are all the same.

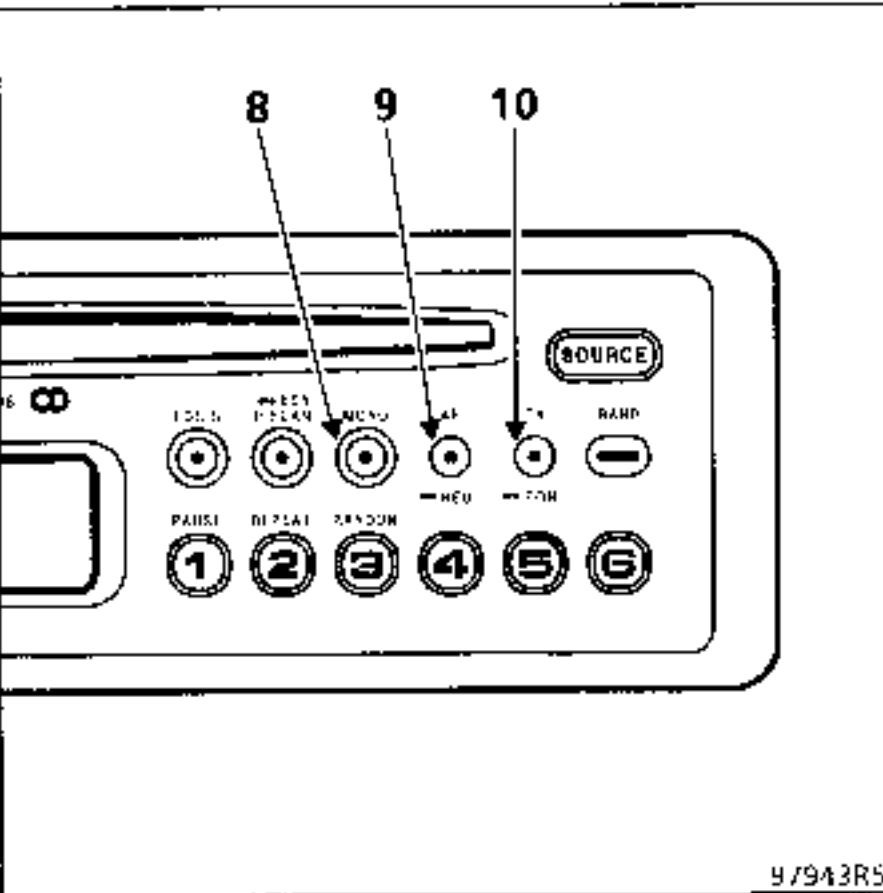
However, this automatic following can become annoying if the programmes broadcast are different.

In this case, it is advisable to switch into "regional" mode by a sustained press on button (9).

Warning light (14L) lights up to signal that "regional" mode is active.

The device will now stay tuned in to the same local transmitter for as long as it is available.

Another long press on button (9) deactivates "regional" mode. Warning light (14L) goes out.



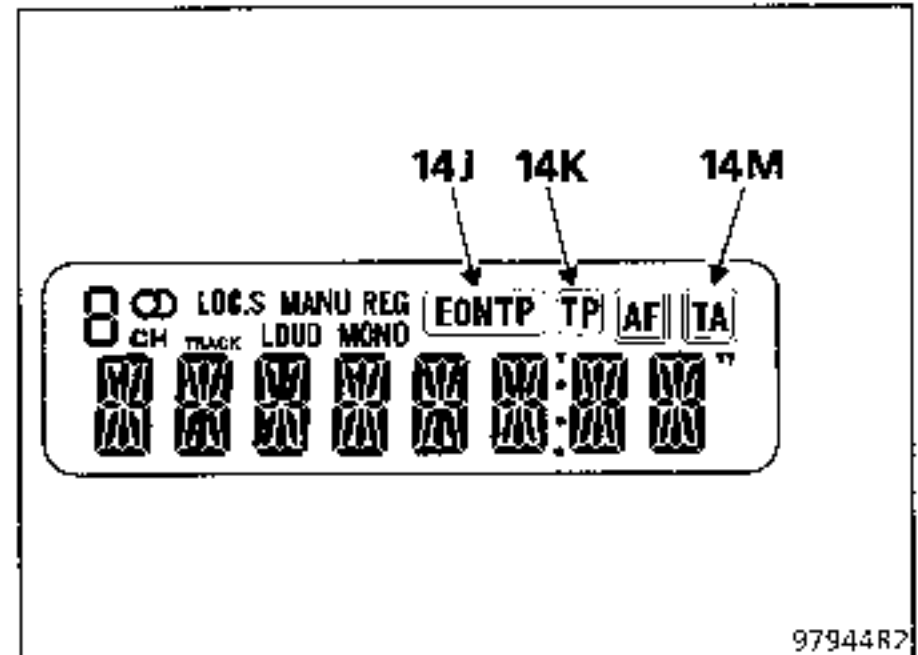
● Operating principle of "traffic programme" mode

There are 2 systems of broadcasting traffic programme messages.

RDS transmitters can be fitted with a TP system only or they can have both TP and EON TP (extension of the first) systems.

- The TP system allows the transmitter to broadcast information about road traffic. A signal sent to the receiver (radio) illuminates warning light (14K) on the display to indicate to the user that he is listening to a transmitter which is capable of broadcasting traffic information.

- The EON TP system allows the network transmitter (group of several transmitters) to broadcast traffic information across all transmitters in the network.



A signal sent to the receiver illuminates warning lights (14J) and/or (14K) on the display to indicate to the user that he is listening to a transmitter which is capable of broadcasting traffic information, but that he will also receive road traffic messages transmitted by all the transmitters of the same network.

Another feature of the EON TP system is the automatic following of EON TP transmitters memorised in the pre-selections (during a journey, for example) provided that the device finds equipped transmitters along the whole journey.

When recalling such a pre-selection, the transmitter which is most suited to the geographical location is selected; the name of the programme is displayed.

If the chain is interrupted during the voyage, when recalling a pre-selection, the device restarts the search for the transmitter corresponding to the last one memorised, but taking the new geographical location into account

PI SEEK

During the search
appears on the display.

Switching into "traffic programme" mode

A short press on button (10) activates the "traffic programme" mode (TP mode); warning light (14M) lights up on the display.

Two cases can occur :

- The device is not tuned in to a transmitter which can transmit traffic programmes; warning light (14K) does not appear on the display.
After 30 seconds, an alarm sounds for 10 seconds to indicate that no messages would be able to be received on this frequency.
- The device is already tuned in to a transmitter which can transmit traffic programmes. The programme continues.

From now on, the device will broadcast the messages relating to road traffic by interrupting the CD player, if applicable, or the current radio programme if the message is coming from another transmitter in the same network (EON TP transmitter).

In effect, EON TP mode is active as soon as the "Traffic programme" mode (TP mode) is selected, and that the transmitter is fitted with the EON TP system .

If the user does not want his radio programme to be interrupted, it is possible to deactivate "EON TP" mode by a prolonged press (more than 2 seconds) on button (10), the message

EON OFF

appears briefly on the display and the device will only broadcast the information from the transmitter being listened to.

To reactivate "EON TP" mode, press button (10) again for more than 2 seconds ; the message

EON ON

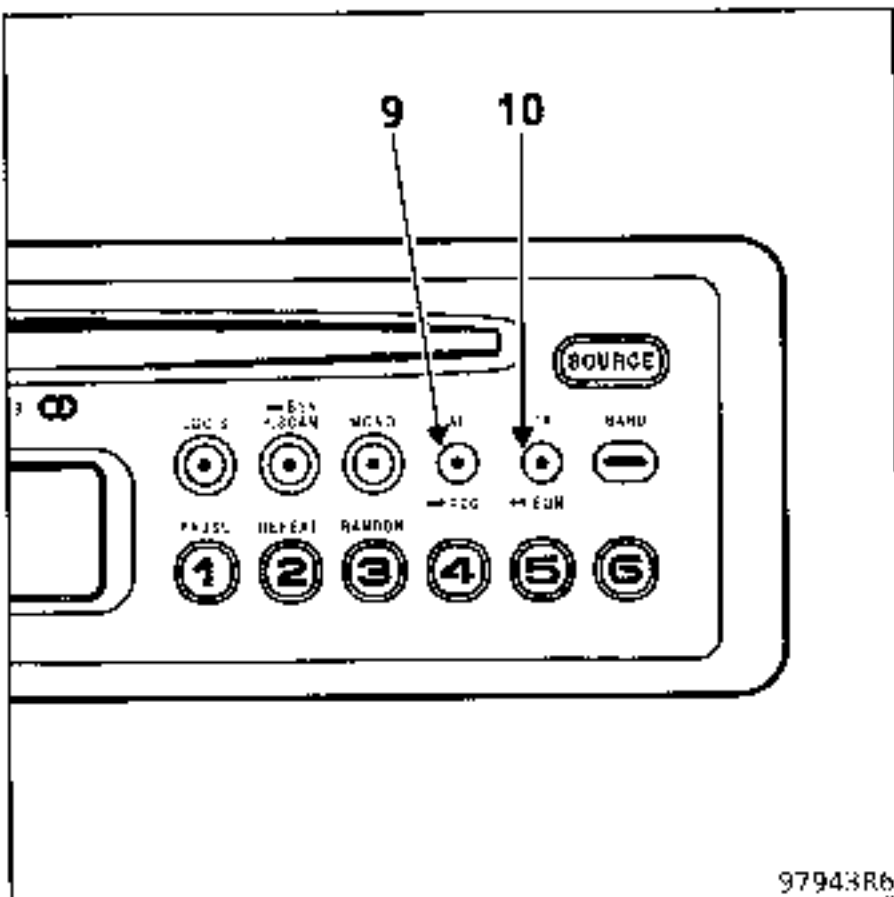
will appear briefly.

Volume of the message broadcast

The broadcasting sound level of the messages concerning road traffic is adjustable and memorised until the next broadcast.

However, if the sound level of the message is lower than the one previously adjusted, the device gives the volume an average value

VOL 15



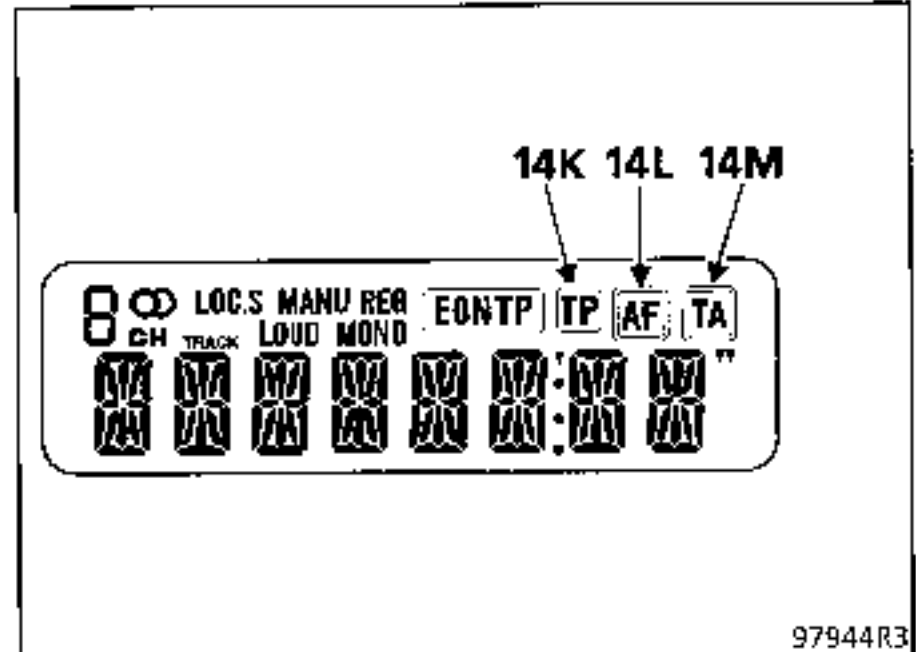
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Specific operations

- **AF mode deactivated and TP mode activated** (warning light (14L) off and warning light (14M) illuminated) whilst listening to a radio programme.

When the signal received becomes too weak, warning light (14K) goes out and after 30 seconds, an alarm sounds for 10 seconds to indicate that no message can be received on this frequency.

To listen to the traffic programmes, it is therefore necessary to select AF mode (by briefly pressing button (9)) which will automatically start the search for a frequency from the transmitter which is more suitable or to search for another transmitter capable of broadcasting traffic programmes.



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- **AF and TP modes activated** (warning lights (14L) and (14M) illuminated) whilst listening to a radio programme

When the signal received becomes too weak, warning light (14K) goes out and after 30 seconds the device starts a search to find a frequency broadcasting the same programme but with a stronger signal; the message

PI SEEK

is displayed during the search.

If no frequency is received with a sufficient level, the device reverts to the initial frequency before redisplaying its name.

Search, memorising and auto-programming

Search (automatic or manual) for a transmitter which can broadcast traffic programmes is carried out as if it were a normal transmitter.

These transmitters fitted with the TP system are programmed like normal transmitters in the pre-selections 1 to 6.

To activate TP mode, press button (10) briefly before starting an automatic search or auto-programming (see page 86-14).

Note : in auto-programming, if the device found less than 6 satisfactory stations, which are capable of broadcasting traffic programmes, the pre-selections are completed with "non-TP" stations.

Broadcast of traffic programmes whilst listening to a CD

If you want to listen to road traffic messages whilst listening to a CD, a transmitter capable of broadcasting such messages has to have been selected beforehand and TP mode activated by briefly pressing button (10); warning light (14M) must be illuminated on the display.

When a message is broadcast by the selected transmitter, if only TP mode is activated, or by one of the transmitters in the selected network if EON TP mode is activated (EON ON), the device switches to radio mode and interrupts playing of the CD.

At the end of the message, the device starts playing the CD again from the point at which it was stopped.

Note : when a CD is playing, briefly pressing button (10) will display the frequency of the transmitter which will broadcast the traffic programme.

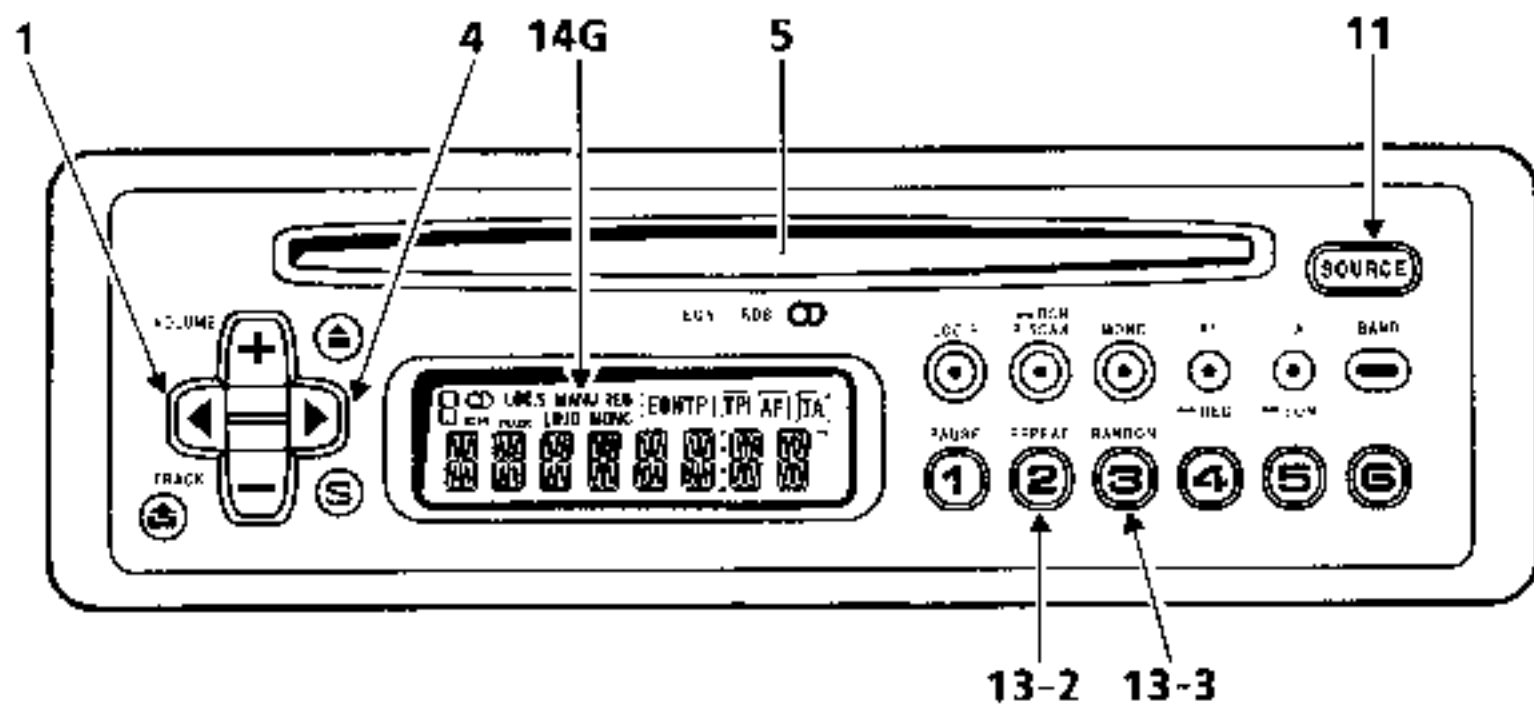
Specific operation whilst listening to a CD (BSA)

Whilst listening to a CD, if TP mode is activated and AF mode deactivated (warning light (14L) off and warning light (14M) illuminated), when the signal received from the transmitter which is liable to interrupt playing of the CD becomes weak, warning light (14K) goes out.

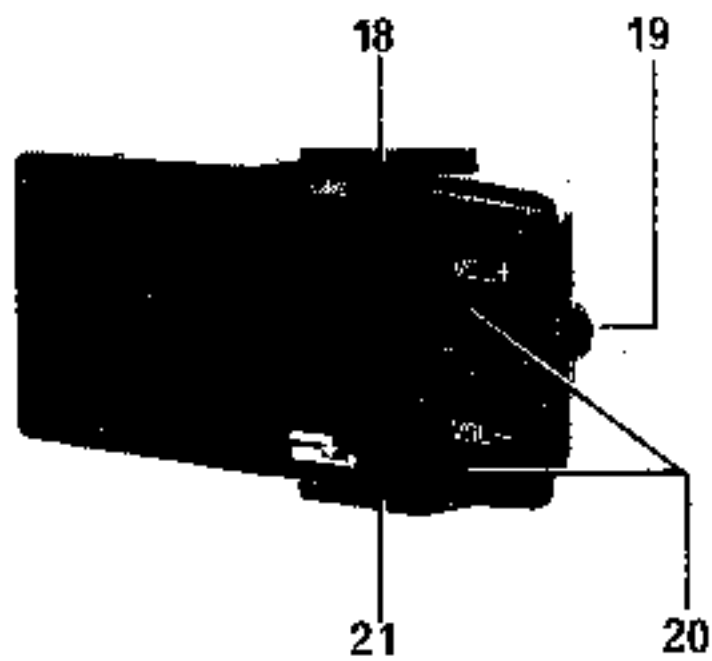
Approximately 10 seconds after this warning light has gone out, the device starts auto-programming to find the most powerful Traffic Programme stations in the area and memorises them in pre-selections 1 to 6.

During this search, warning light (14K) flashes.

COMPACT DISC PLAYER (CD)



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The source can be changed at any time by pressing button (11) on the front panel of the radio or by a sustained press on button (18) of the satellite (the latter cannot switch the device off).

Playing of the CD will be suspended.

ACCESS TO CD MODE

When there is already a CD in compartment (5), select CD mode by pressing button (11) once or several times depending on the active source or by a sustained press on button (18) of the satellite as long as the device is not switched off.

If this is not the first selection, playing will continue from where it stopped.

If there is not a CD in compartment (5), CD mode will never be selected when changing the source.

Insert the CD into compartment (5) (label facing upwards).

Inserting a CD causes the first track to be played, even if the device was not switched on and switches the radio off, where necessary.

The track number and the elapsed time appear on the display.

PLAYING A CD

The listening comfort controls are the same as those described on pages 86-10 and 86-11.

● Repeating a track

Pressing button (13-2) (2nd of the pre-selections) will cause the current track to be replayed when it finishes.

Activation of this function is signalled by the message "RPT" on the display accompanied with the number of the track concerned

05 RPT

This display remains until the function is switched off by pressing button (13-2) again.

● Random playing

When this function is activated by pressing button (13-3) (3rd of the pre-selection buttons) the unit selects the various tracks of the CD randomly. Therefore, they are played in no apparent order. The message "RDM" accompanied by the current track number indicates that this function is activated.

03 RDM

This display remains until the random playing mode is switched off by pressing button (13-3) again.

Note : – When the function is activated, at the end of the last track, another is played.
– Since the tracks are played randomly, a track might be played twice in a row.

SEARCHING FOR TRACKS AND FAST PLAYING

● Mode selection

Pressing buttons (1) and (4) together allows "track searching" or "fast playing" mode to be selected.

Switching between modes is performed by pressing both these buttons together again.

The "fast playing" mode is indicated by warning light (14G) on the display.

● "Track searching" mode

– Pressing button (4) successively causes the player to go to the start of the following tracks.

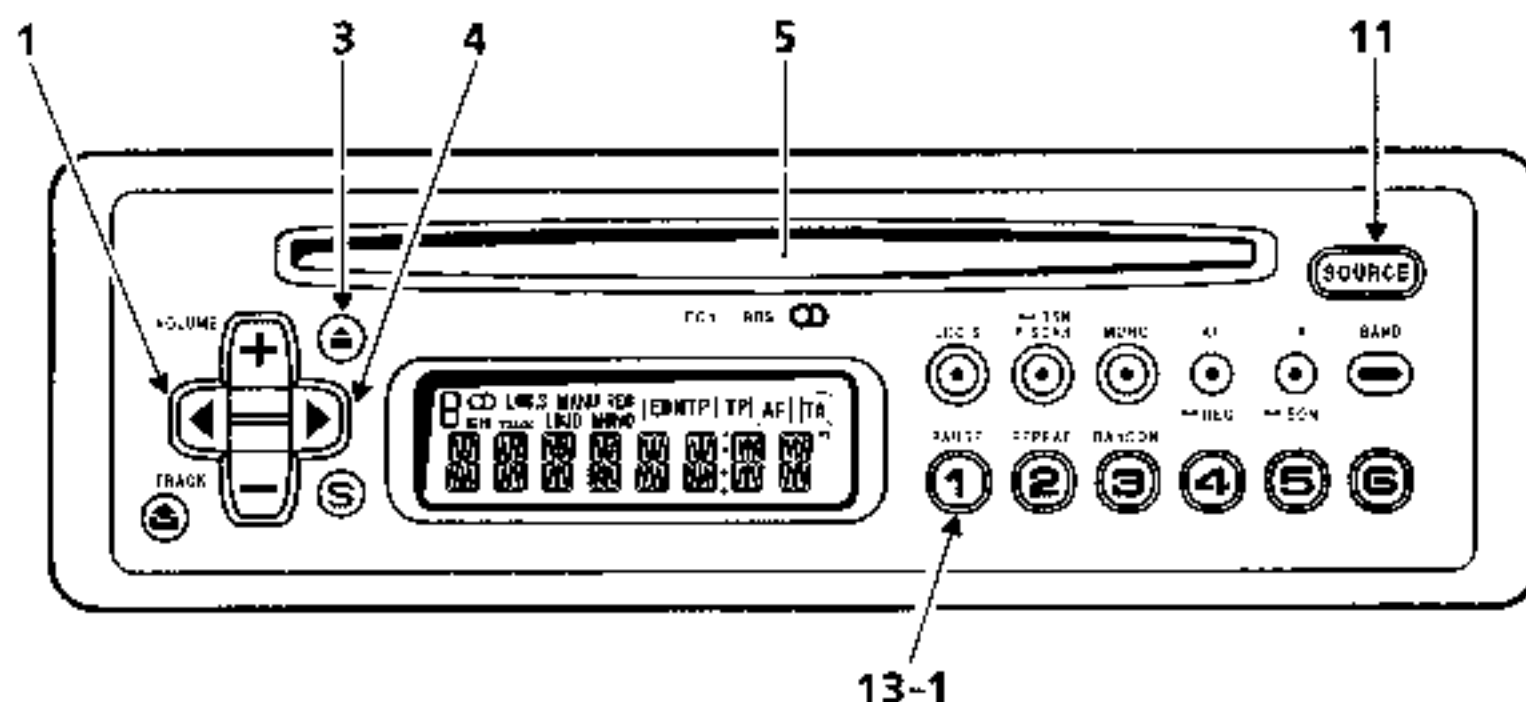
The same result is achieved by turning knob (19), from top to bottom, by one or several notches.

Note : when the last track is reached, pressing the button or turning the knob again causes the first track of the CD to be played.

– Pressing button (1) successively causes the player to go to the start of the previous tracks.

The same result is achieved by turning knob (19), from bottom to top, by one or several notches.

Note : when the first track is reached, pressing the button or turning the knob again causes the last track of the CD to be played.



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● "Fast playing" mode

During playing :

- Press button (4) to fast forward a track, with accelerated listening.

Note : When the end of the last track is reached during fast forward, the start of the first track is returned to (providing that neither repeat mode nor random mode is activated).

- Press button (1) to fast rewind a track, with accelerated listening.

Note : When the start of the first track of the CD is reached during fast rewind, playing restarts (impossible to go further) as soon as button (1) is released.

STOPPING AND EJECTING

- Playing a CD is stopped by pressing button (13-1) (first of the 6 pre-selection buttons).

Pause is signalled by the message **PAUSE** on the display.

Pressing this button (13-1) again, restarts playing from the point where it was stopped.

- Changing the source by pressing button (11) on the front panel or (18) of the satellite (more than 2 seconds) causes the CD to stop playing and activates the "radio" mode without ejecting the CD.

Pressing button (11) for a third time will cause the device to be switched off without ejecting the CD.

- When the last track of the CD has finished, the unit reverts to the configuration before the CD was played ; this is providing neither "repeat" mode nor "random" mode has been selected.
- The CD is ejected by pressing button (3).

If the CD mode is active, ejecting the CD will cause the unit to switch off.

If the radio mode is active, the CD is ejected and the radio programme continues as normal.

- A CD can still be ejected after the + after ignition supply has been disconnected.
- When the CD is not removed from compartment (5), it is automatically reinserted after approximately 10 seconds.

ERROR MESSAGES

When the device detects a temperature rise inside the player which is too great, the message "HHHH" is displayed.

It is then necessary to wait until the temperature drops.

If the device detects a problem whilst playing, it will try to eject the disc. Then, in certain cases, it will display an error code which might allow the cause to be identified.

If the error code is still displayed, even after having carried out the checks and operations recommended in the table below, refer to the fault finding sheet at the end of this document.

ERROR CODE	POSSIBLE CAUSES	WHAT TO DO
E10	<ul style="list-style-type: none"> Electrical or mechanical fault. 	<ul style="list-style-type: none"> Switch off the ignition and then switch it on again. Go to another source and then return to the CD player.
E11	<ul style="list-style-type: none"> The disc is inserted with the side with the label on facing downwards. 	<ul style="list-style-type: none"> Insert the CD with the label facing upwards.
E11 - E12	<ul style="list-style-type: none"> The disc is dirty The disc is scratched Electrical or mechanical fault A CD-R disc which is not recorded has been inserted The disc is inserted with the side with the label on facing downwards 	<ul style="list-style-type: none"> Clean the disc Replace the disc Switch off the ignition and then switch it on again. Go to another source and then return to the CD player. Replace the disc Insert the CD with the label facing upwards.
E14	<ul style="list-style-type: none"> The disc is dirty The disc is scratched Electrical or mechanical fault 	<ul style="list-style-type: none"> Clean the disc Replace the disc Switch off the ignition and then switch it on again. Go to another source and then return to the CD player.
E17	<ul style="list-style-type: none"> The disc is scratched The disc is inserted with the side with the label on facing downwards 	<ul style="list-style-type: none"> Replace the disc Insert the CD with the label facing upwards.
E17 - E30 AO	<ul style="list-style-type: none"> Electrical or mechanical fault 	<ul style="list-style-type: none"> Switch off the ignition and then switch it on again. Go to another source and then return to the CD player.

1 - GENERAL

● Supply	14.4 V d.c. (10.8 to 15.6 V allowable)
● Earth	Negative type
● Maximum current consumption	9 A
● Dimensions (L x H x D in mm)	
– frame	178 x 50 x 150
– front panel	188 x 58 x 20
● Weight	1.5 kg

2 - AMPLIFIER

● Maximum output power	4 x 15 W (DIN 45324) 4 x 07 W (DIN 45500)
● Load impedance	4 Ω (4 to 8 Ω allowable)
● Bass correction	\pm 10 dB to 100 Hz
● Treble correction	\pm 10 dB to 10 kHz
● Physio	+ 10 dB to 100 Hz - 7 dB to 10 kHz

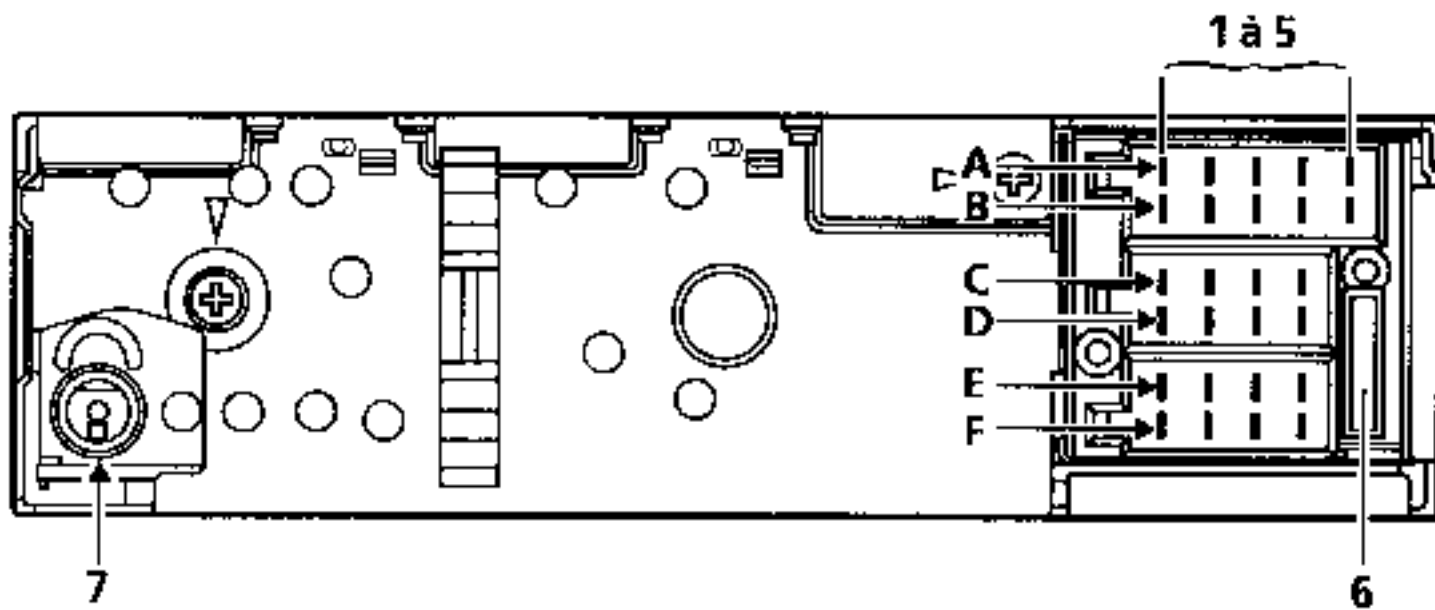
3 - TUNER

● Wave band	MW : 531 to 1602 kHz LW : 153 to 281 kHz FM : 87.5 to 108 MHz
● Band width	30 Hz to 15 kHz (\pm 3 dB)
● Signal / noise ratio (FM)	70 dB (IEC network)
● Effective FM sensitivity	11 dB μ F (1.0 μ V / 75 Ω , mono, S/B : 30 dB)

4 - CD PLAYER

● Sampling frequency	44.1 kHz
● Frequency characteristics	5 Hz - 20 kHz (\pm 1 dB)
● Signal / noise ratio	94 dB (1 kHz) (IEC - A network)
● Dynamic range	90 dB (1kHz)

Note : following improvements made to this equipment, its characteristics and design might be modified without warning.



97943R9

A/B SATELLITE CONNECTION CONNECTOR

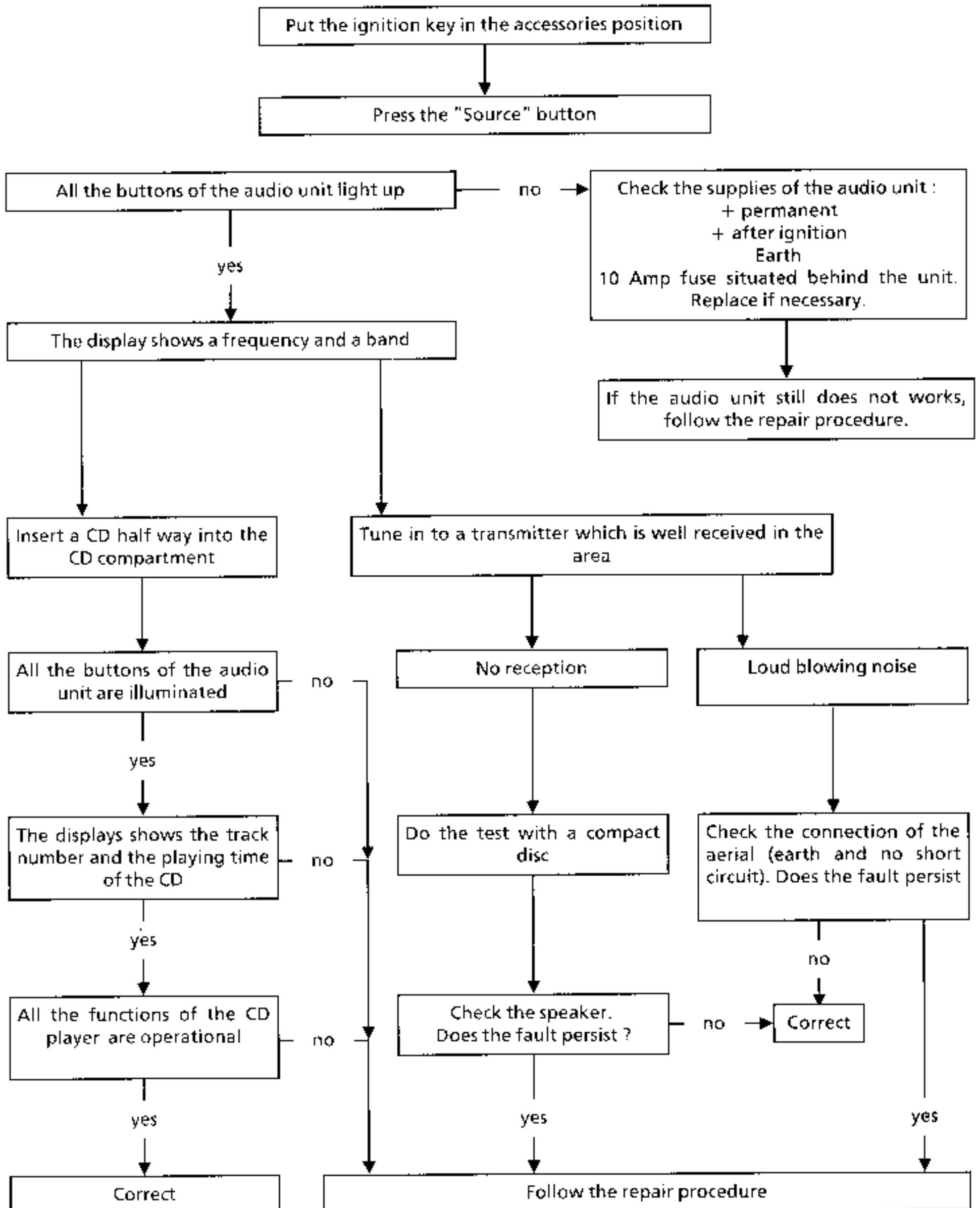
- A1 Not connected
- A2 Not connected
- A3 } To satellite
- A4 } To satellite
- A5 } To satellite
- B1 Not connected
- B2 Earth
- B3 } To satellite
- B4 } To satellite
- B5 } To satellite

C/D SPEAKER CONNECTIONS

- C1 + rear right speaker
- C2 + front right speaker
- C3 + front left speaker
- C4 + rear left speaker
- D1 - rear right speaker
- D2 - front right speaker
- D3 - front left speaker
- D4 - rear left speaker

E/F SUPPLY CONNECTOR

- E1 Not connected
 - E2 Not connected
 - E3 Electric aerial supply
 - E4 + accessories
 - F1 + lights
 - F2 + permanent
 - F3 Not connected
 - F4 Earth
-
- 6 10 A fuse
 - 7 Aerial socket



MUST BE ATTACHED TO THE RADIO UNIT
COMPULSORY FOR APPLICATION OF THE GUARANTEE

ADDRESS OF THE DEALER :

NAME OF THE DEALER :

COMPLETE MPR DESTINATION CODE N° : Date :

VEHICLE : Type Manufacturing N° () Delivery date :

RADIO : Make Manufacturing code (*) or Type (*) :

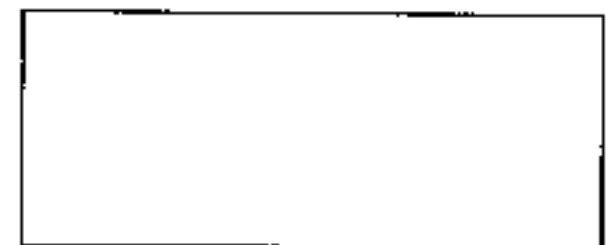
CODE : Serial N° (*) :

GUARANTEE : YES/ NO (Only reply YES if it involves a contractual guarantee)

CUSTOMER COMPLAINT :

WORKSHOP FAULT FINDING

GENERAL	<input type="checkbox"/> Does not illuminate <input type="checkbox"/> Security code refused (have you checked it with the Customer Care Department ?)									
RADIO	<input type="checkbox"/> No sound or weak in : <input type="checkbox"/> FM <input type="checkbox"/> FM RDS <input type="checkbox"/> L.W. <input type="checkbox"/> M.W. <input type="checkbox"/> Interference in <input type="checkbox"/> FM <input type="checkbox"/> FM RDS <input type="checkbox"/> L.W. <input type="checkbox"/> M.W. <u>Engine</u> <input type="checkbox"/> Running <input type="checkbox"/> Stopped Detail the circumstances : <input type="checkbox"/> Button : does not work									
CASSETTE	<input type="checkbox"/> Inserting <input type="checkbox"/> Difficult or impossible to eject <input type="checkbox"/> Weak sound <input type="checkbox"/> Damages the tape <input type="checkbox"/> Auto-reverse not working <input type="checkbox"/> Bad spooling (distortion) <input type="checkbox"/> Button : does not work									
C.D.	<input type="checkbox"/> Inserting <input type="checkbox"/> Difficult or impossible to eject <input type="checkbox"/> No sound <input type="checkbox"/> Button : does not work									
AMPLI.	<table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Balance does not work</td> <td><input type="checkbox"/> Front/Rear</td> <td><input type="checkbox"/> Left/Right</td> </tr> <tr> <td><input type="checkbox"/> Speaker does not work</td> <td><input type="checkbox"/> Front left</td> <td><input type="checkbox"/> Front right</td> </tr> <tr> <td><input type="checkbox"/> Equaliser does not work</td> <td><input type="checkbox"/> Rear left</td> <td><input type="checkbox"/> Rear right <small>(Check casing socket switch)</small></td> </tr> </table>	<input type="checkbox"/> Balance does not work	<input type="checkbox"/> Front/Rear	<input type="checkbox"/> Left/Right	<input type="checkbox"/> Speaker does not work	<input type="checkbox"/> Front left	<input type="checkbox"/> Front right	<input type="checkbox"/> Equaliser does not work	<input type="checkbox"/> Rear left	<input type="checkbox"/> Rear right <small>(Check casing socket switch)</small>
<input type="checkbox"/> Balance does not work	<input type="checkbox"/> Front/Rear	<input type="checkbox"/> Left/Right								
<input type="checkbox"/> Speaker does not work	<input type="checkbox"/> Front left	<input type="checkbox"/> Front right								
<input type="checkbox"/> Equaliser does not work	<input type="checkbox"/> Rear left	<input type="checkbox"/> Rear right <small>(Check casing socket switch)</small>								
SATELLITE	<input type="checkbox"/> Another function of the satellite. The unit works with the satellite disconnected. <input type="checkbox"/> Yes <input type="checkbox"/> No									



COMPANY STAMP

DETAIL OTHER FAULTS :