

SECTION 2 – 2

AIR CONDITIONING AND AUDIO

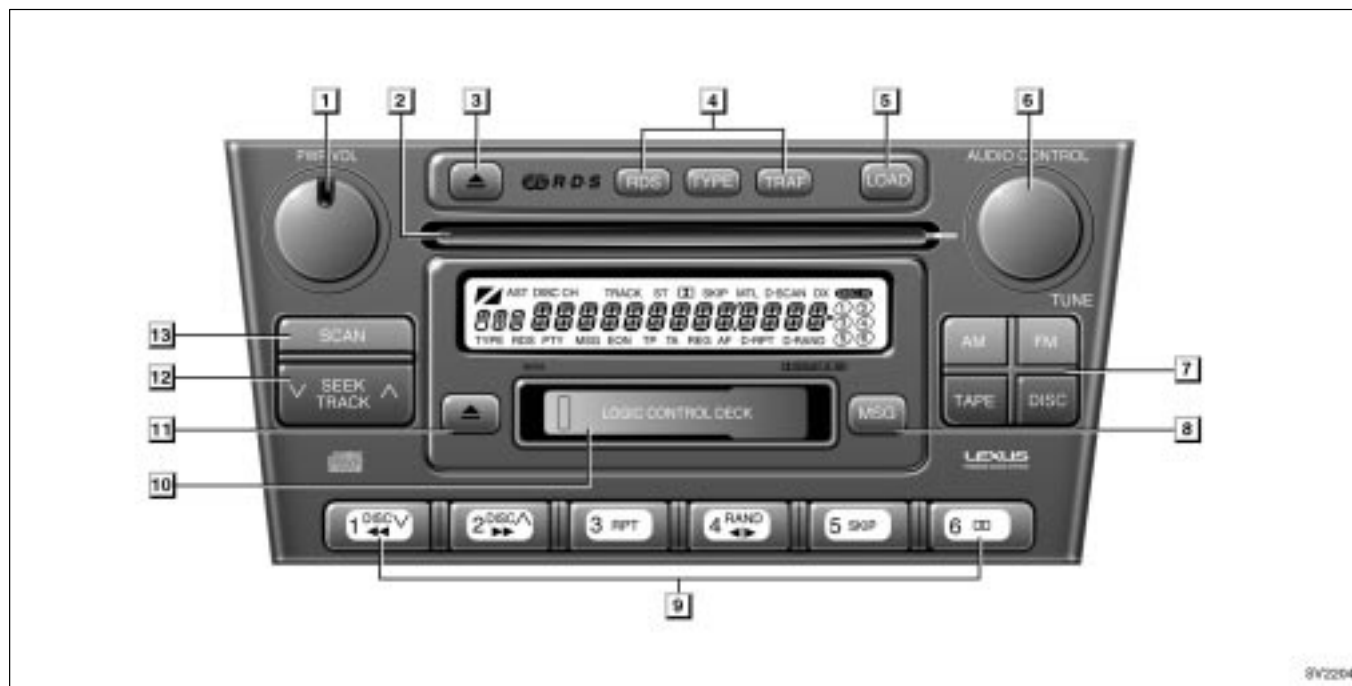
Audio

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AUDIO SYSTEM

Quick reference for your audio system



► You can adjust the brightness of the display. See "Instrument panel light control" on page 46 for details.

- 1 Turning the system on and adjusting the volume**
(See page 140 for details.)
- 2 Compact disc slot**
(See page 153 for details.)
- 3 Ejecting a compact disc**
(See page 153 for details.)
- 4 Radio data system/Traffic announcement/
Program type**
(See page 146 for details.)
- 5 Compact disc pre-load button**
(See page 153 for details.)
- 6 Audio control knob/Frequency tuning**
(See page 141 for details.)
- 7 Mode selectors**
(See page 140 for details.)
- 8 Message**
(See page 149 for details.)
- 9 Function buttons**
- 1 – 6:** Station selector buttons
(See page 144 for details.)
- v ^ :** Disc selection
(See page 155 for details.)
- RPT:** Automatic repeat
(See page 152 or 157 for details.)

- RAND:** Random access
(See page 157 for details.)
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- ◀◀:** Rewinding or reversing
(See page 151 or 156 for details.)
- ▶▶:** Fast forwarding
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- ◀|▶:** Side change
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- DOLBY NR** button
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- 10 Cassette tape slot**
(See page 150 for details.)
- 11 Ejecting a cassette tape**
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- 12 Radio mode:** Frequency tuning
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(See page 152 for details.)
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(See page 156 for details.)
- 13 Scan tuning button**
(See page 145 for details.)

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Using your audio system: some basics

This section describes some of the basic features of the Lexus audio system. Some information may not pertain to your system.

Your audio system works when the ignition key is in the "ACC" or "ON" position.

NOTICE

To prevent the battery from being discharged, do not leave the car audio on longer than necessary when the engine is not running.

(a) Turning the system on and off



Push this knob to turn the audio system on and off. Turn this knob to adjust the volume.

The system turns on in the last mode used.



Push "AM", "FM", "TAPE" or "DISC" to turn on that mode. The selected mode turns on directly.

Push these buttons if you want to switch from one mode to another.

If the tape or disc is not set, the cassette player or compact disc player does not turn on.

You can turn off the cassette player by ejecting the cassette tape. If the audio system was previously off, then the entire audio system will be turned off when you eject the cassette tape. If another function was previously playing, it will come on again.



In the "TAPE" or "CD" mode, the applicable functions are shown in the lowest part of the display. Push the switch just below to turn on each function.

(b) Tone and balance

How good an audio program sounds to you is largely determined by the mix of the treble, mid-range, and bass levels. In fact, different kinds of music and vocal programs usually sound better with different mixes of treble, mid-range, and bass.

A good balance of the left and right stereo channels and of the front and rear sound levels is also important.

Keep in mind that if you are listening to a stereo recording or broadcast, changing the right/left balance will increase the volume of one group of sounds while decreasing the volume of another.



Each time you push the "AUDIO CONTROL" knob, the display changes as in the following. To adjust the tone and balance, turn the knob.

BAS: Adjusts low-pitched tones.

MID: Adjusts mid-pitched tones.

TRE: Adjusts high-pitched tones.

FADE: Adjusts the sound balance between the front and rear speakers.

BAL: Adjusts the sound balance between the right and left speakers.

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(c) Your radio antenna

To remove an antenna, carefully turn it counterclockwise.

NOTICE

To prevent damage to the antenna, make sure it is removed before driving your vehicle through an automatic car wash.

(d) Your cassette player

When you insert a cassette, the exposed tape should be to the right.

NOTICE

Do not oil any part of the cassette player, and do not insert anything except a cassette tape into the slot.

(e) Your automatic changer



Your automatic changer can store up to 6 discs and play selected discs or continuously play all the discs set in the player.

When you set discs into the player, make sure their labels face up. If not, the player will display "ERR 1" and the disc number.

NOTICE

- *Never try to disassemble or oil any part of the compact disc player. Do not insert anything except a compact disc into the slot.*
- *Do not insert a disc upon another one.*

The player is intended for use with 12 cm (4.7 in.) discs only.

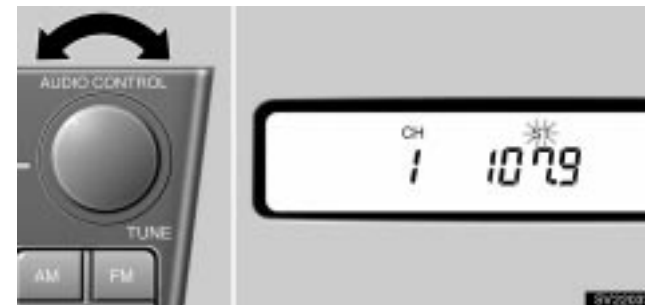
Radio operation

(a) Listening to the radio



Push these buttons to choose either an AM or FM station.

"AM", "FM1" or "FM2" appears on the display.



Turn the knob clockwise to step up the frequency. Turn the knob counterclockwise to step down the frequency.

Your radio automatically changes to stereo reception when a stereo broadcast is received. "ST" appears on the display. If the signal becomes weak, the radio reduces the amount of channel separation to prevent the weak signal from creating noise. If the signal becomes extremely weak, the radio switches from stereo to mono reception. In this case, "ST" disappears from the display.

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(b) Presetting a station



1. Tune in the desired station.
2. Push one of the station selector buttons (1–6) and hold it until a beep is heard. This sets the station to the button and the button number (1–6) appears on the display.

Each button can store one AM station and two FM stations. To change the preset station to a different one, follow the same procedure.

The preset station memory is cancelled when the power source is interrupted by battery disconnection or a blown fuse.

(c) Selecting a station

Your Lexus has an electronic tuning radio (ETR). Tune in the desired station using one of the following methods.



Preset tuning: Push the button (1–6) for the station you want. The button number (1–6) and station frequency appear on the display.

Manual tuning: Turn the "AUDIO CONTROL" knob clockwise to step up the frequency. Turn the knob counterclockwise to step down the frequency. (See page 143.)

Seek tuning: Push the "SEEK" button. The radio will begin seeking up or down for a station of the nearest frequency and will stop on reception. Each time you push the button, the stations will be searched out one after another.



To scan all the frequencies: Push the "SCAN" button briefly. "SCAN" appears on the display. The radio will find the next station up the band, stay there for a few seconds, and then scan again. To select a station, push the "SCAN" button a second time.



To scan the preset stations: Push the "SCAN" button until you hear a beep. "SCAN" appears on the display. The radio will tune in the next preset station up the band, stay there for a few seconds, and then move to the next preset station. To select a station, push the "SCAN" button a second time.

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(d) RDS (Radio Data System)

AF (Alternative Frequency) function: A station providing good reception is automatically selected if current reception worsen.



When you push the RDS button briefly, "RDS SEARCH" is displayed and all the FM frequencies are searched. If no RDS station is found, "NOTHING" is displayed for 2 seconds and then disappears. If the appropriate stations are found, "FOUND XXST" is displayed and began the reception of one of these stations. (The band is FM type in that case.) If you want to cancel the RDS function, push the RDS button until you hear a beep sound. Then, "RDS" disappears. (RDS is set up ON initially. In order to turn the RDS on after canceling, push the button to search appropriate stations. After the RDS stations are found, RDS will be set up ON.) AF function is ON when "RDS" is displayed. REG is fixed to ON mode. ("REG" never be displayed.)

TRAF (Traffic Announcement) function: A station that regularly broadcasts traffic information is automatically located and broadcast when the program starts.



"TA" is displayed while receiving a station broadcasting traffic information.

"TP" blinks when the TP mode (Traffic Program standby mode) is ON and the TP (Traffic Program) station is not received. "TP" is displayed when the TP station is received.

1. When you push the TRAF button, "TP" blinks. Also "TRAF SEEK" is displayed and a station broadcasting traffic information is sought. ("TP" is lit on the display.) When the station broadcasting traffic information began to be received, "TRAF ANNOUNCE" is displayed. If the reception ends, the display disappears. If any station is not found after circulating a search, "NO TRAF INFO" is displayed for 2 seconds and "TP" disappears.

2. To cancel the TA mode, push the "TRAF" button until "TP" disappears from the display.

3. When the "TRAF" button is pushed in the "TAPE" or "CD" mode, a station broadcasting traffic information is sought and "TA" appears on the display.

When the traffic information program starts, the "TAPE" or "CD" mode is interrupted and the traffic information is automatically broadcast. During a traffic announcement, "Traf Announce" will appear on the display. When the program ends, the initial operation resumes.

Traffic announcement can be canceled by turning RDS off, or pressing the "TRAF" button again.

(e) TYPE (Program Types)

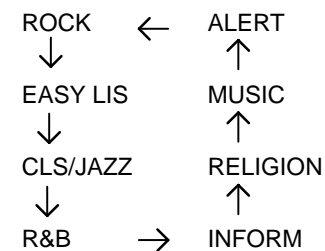
This button is used for program type (PTY) search of RDS stations. 8 program types are available as listed here.

When the RDS search (program type search) is not performed, the TYPE button is unavailable. It become available in the FM type-band after RDS search is performed.

If a program type search has previously been performed in FM1 or FM2, the radio will return to the last active program type.

If you are already in FM type mode and a program type is not already being displayed, pushing this button will recall the display for the current program type.

After a program type is being displayed, subsequent pushes within 6 seconds will toggle through the available program types. Pushing the "TYPE" button repeatedly will increment or decrement the display through the available program types in the following order.



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If a type search was started, it can be canceled as described in "RDS".

The following program type names are available. After a program type search, the radio will display one of the following program types for 6 seconds, then the program type name for 6 seconds (if available). After that, it will display the program service name of the current station. The following table lists each display and its program type.

Display	Program type (PTY)
MISC	0
INFORM	1
INFORM	2
INFORM	3
INFORM	4
ROCK	5
ROCK	6
EASY LIS	7
EASY LIS	8
EASY LIS	9
ROCK	10
ROCK	11
ROCK	12
CLS/JAZZ	13
CLS/JAZZ	14
CLS/JAZZ	15
R&B	16
R&B	17
MISC	18
RELIGION	19

RELIGION	20
MISC	21
MISC	22
MISC	23
MISC	24
MISC	25
MISC	26
MISC	27
MISC	28
MISC	29
MISC	30
ALERT	31

(f) MSG (Message)

This button is used to display a radio text message. It is also used to store and recall radio text messages.

To receive radio text, turn RDS on (see "RDS"), and tune to an RDS station that broadcasts radio text messages. When the radio receives a radio TEXT message, "MSG" will appear on the display. Push this button at this time to display the radio text message. The message display will be canceled if you activate any function that affects the display. After the entire messages has been displayed, the message will disappear. To view the message again, push this button a second time.

To store a radio text message, push and hold this button for more than 1.7 seconds while the message is being displayed. A beep will sound, indicating that the message has been stored. At this time "MSG STORED" appears on the display. Up to three 64-character message can be stored. If 3 messages are already in storage, the oldest message will be removed to make room for a new message.

To recall a radio text message, push this button for less than 1.7 seconds. The most recently received stored message will appear on the display, even if it has already been displayed. Pushing this button for less than 1.7 seconds while the most recent message is being displayed will recall the newest stored message. If 2 or more message have been stored, the other stored messages will be toggled through each time you push this button (while a stored message is on display).

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If no messages have been stored, or if there are no more messages to be recalled, "NO MSG STORED" will appear on the display, and the message display will be canceled. The display then returns to show the program service name. The message display will be canceled if you activate any function that affects the display.

Message display can be canceled by pressing any of the following buttons: "AM", "FM", "CD", "TAPE", "LOAD", "SEEK", "TUNE", any preset, "SCAN", any audio control, "RDS", or "<TYPE>". If the current station is not a traffic program and traffic announcements is off, pushing "TRAF" will cancel the display. The message will be canceled after the entire message has been displayed.

(g) "ALERT" display

The alert program type sends emergency alert messages. The radio will receive alert messages if it is on and tuned to an RDS station, or if the previous station was an RDS station. If the radio receives an alert announcement, it will interrupt the previous mode, display "ALERT".

Cassette tape player operation

(a) Playing a cassette tape



When you insert a cassette tape, the exposed tape should face to the right.

The player will automatically start when you insert a cassette tape. At this time, "PLAY" appears on the display.


If a metal or chrome equivalent cassette tape is put in the cassette player, the player will automatically adapt to it and "MTL" appears on the display.

To stop or eject the cassette tape, push the "EJECT" button.

Auto—reverse feature: After the cassette player reaches the end of a tape, it automatically reverses and begins to play the other side, regardless of whether the cassette was playing or fast forwarding.




If a cassette is already in the slot, push the "TAPE" button.

Dolby®  B Noise Reduction* feature: If you are listening to a tape that was recorded with Dolby® B Noise Reduction, push the button marked with the double-D symbol. The double-D symbol will appear on the display. Push the button again to turn off Dolby® B NR.




The Dolby NR mode reduces tape noise by about 10 dB. For best sound reproduction, play your tapes with this button on or off according to the mode used for recording the tape.


To play a tape recorded without Dolby NR, push the button until the symbol disappears from the display.

*: Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double D symbol  are trademarks of Dolby Laboratories Licensing Corporation.


(b) Manual program selection



"Program" button: Push the "" button to select the other side of a cassette tape. The display indicates which side is currently selected ( indicates top side,  indicates bottom side).

"Rewind" button: Push the "" button to rewind a tape. "REW" appears on the display.

To stop rewinding, push the same button or "TAPE" button.

"Fast forward" button: Push the "" button to fast forward a cassette tape. "FF" appears on the display.

To stop fast forwarding, push the same button or "TAPE" button.

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(c) Automatic program selection



"RPT" button: The repeat feature automatically replays the current program.

Push the "RPT" button while the program is playing. When the program ends, it will automatically be rewound and replayed. Push the button again to turn off the repeat feature.

There must be at least 5 seconds of blank space between programs for the repeat feature to work correctly.

"SKIP" button: The skip feature allows you to fast forward past long stretches of blank tape. This is especially useful at the end of cassettes.

Push the "SKIP" button. The player will automatically skip any blank portions of 15 seconds or more and play the next program. To cancel it, push the button once again.



"Automatic program selection" button: The automatic program selection feature allows you to program your cassette player to skip forward or backward to locate the song you want to hear. You can skip up to nine programs at a time.

Push this button on the upper side to skip forward. "FF" and the number will appear on the display. Push the button until the number you want to skip appears on the display. After that, the player will automatically skip forward.

When the end of the tape is reached, the player automatically reverses sides and resumes normal play.

Push this button on the lower side to skip backward. Push the button until "REW" and the number you want to skip appear on the display.

- If you set "REW 1", the player will rewind to the beginning of the current program.
- When counting the number of programs you want to rewind, remember to count the current program as well. For example, if you want to rewind to a song that is two before the song you are listening to, push this button until "REW 3" appears on the display.

When the beginning of the tape is reached, the player automatically resumes normal play.

There must be at least 5 seconds of blank space between programs for this feature to work correctly.

"RPT", "SKIP" or "Automatic program selection" features: These features may not work well with some spoken word, live or classical recordings.

Compact disc player operation

This compact disc player can store 6 discs in the player. The discs can be inserted or ejected while the ignition switch is at "ACC" or "ON".

(a) How to insert and eject the compact discs



1. Push the "LOAD" button. Push the button briefly for one disc, and when inserting more than one disc, push and hold the button until a beep sounds.

2. Insert the disc into the compact disc slot. A maximum of 6 discs can be inserted into the player.

If the indicator blinking in amber at the next to the compact disc slot turns into the green light, you can insert the disc into the slot. The "LOAD DISC 4" is displayed at that time. (If you push LOAD, the indicator blinks in amber. "WAIT DISC 4" is displayed while the system is being under preparation for inserting disc.

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When the display shows "DISC IN" with all the indicators (1–6) on, the player already has 6 discs inside, so you can not insert any more.

If you do not insert the discs within 15 seconds after pushing the "LOAD" button and "LOAD" is displayed, the operation will be canceled automatically.



3. When ejecting one disc, select the disc you want to eject by the function button "DISC 1" or "DISC 2", and push the "EJECT" button briefly. When ejecting more than one disc, push and hold the "EJECT" button until a beep sounds and take out the disc ejected from the slot.

(b) Playing a compact disc



Push the "DISC" button if the discs are already loaded in the player.

The discs set in the player are played continuously, starting with disc number 1. The disc number of the disc currently being played, the track number and the time from the beginning of the program appear on the display.

When play of one disc ends, the first track of the following disc starts. When play of the final disc ends, play of the first disc starts again.

The player will skip any empty disc trays.

(c) Selecting a desired disc



Push the "DISC ∇ " or "DISC \wedge " button to select the disc number.

Push the button several times until the desired disc number appears on the display. When you release the button, the player will start playing the selected disc from the first track.

(d) Searching for a desired track



Push the "SCAN" button briefly.

"SCAN" will appear on the display. The compact disc player will play the next track for 10 seconds, then scan again. To select a track, push the "SCAN" button a second time. If the player reaches the end of the disc, it will continue scanning at track 1.

After all the tracks are scanned in one pass, normal play resumes.

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(e) Searching for a desired disc

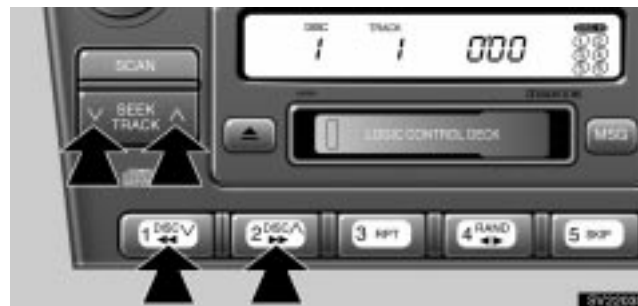


Push the "SCAN" button until you hear a beep.

With "D-SCAN" on the display, the program at the beginning of each disc will be played for 10 seconds. To continue listening to the program of your choice, push the "SCAN" button a second time.

After all the discs in the player are scanned in one pass, the scan function is cancelled.

(f) Selecting a desired track



"TRACK" button: Use for direct access to a desired track.

Push either side of the "TRACK" button several times until the desired track number appears on the display. As you release the button, the player will start playing the selected track from the beginning.

"Fast forward" button.

Push the "▶▶" button and hold it to fast forward the disc. When you release the button, the compact disc player will resume playing from that position.

"Reverse" button.

Push the "◀◀" button and hold it to reverse the disc. When you release the button, the compact disc player will resume playing.

(g) Other compact disc player functions



"RPT" button: Use it for automatic repeat of the track you are currently listening to.

In order to repeat the track you are currently listening to, push the button briefly while the track is playing. "RPT" will appear on the display. When the track is finished, the player will automatically go back to the beginning of the track and play the track again. To cancel it, push the button briefly once again.

In order to repeat the disc you are currently listening to, push the button until you hear a beep. "D[RPT]" will appear on the display. When the last track of the disc you are listening to is finished, the player will automatically go back to the first track on the disc and play the disc again. To cancel it, push the button once again.

"RAND" button: Use it for automatic track selection and play by the system.

When the button is pushed briefly, the system selects a track in the disc which are set and plays it and "RAND" will appear on the display. To cancel it, push the button briefly once again.

When the button is pushed until you hear a beep, the system selects a track in the all discs which are set and plays it and "D[RAND]" will appear on the display. To cancel it, push the button once again.

When a track is skipped or the system is inoperative, push the button to reset.

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(h) If the player malfunctions

If the player or another unit equipped with the player malfunctions, your audio system will display one of the four following error messages.

If "ERR 1" appears on the display: It indicates that the disc is dirty, damaged, or it was inserted up-side down. Clean the disc or insert it correctly.

If "ERR 3" or "ERR 4" appears on the display: It indicates there is a trouble inside the system. Eject the disc.

If the malfunction is not rectified: Take your vehicle to your Lexus dealer.

Car audio system operating hints

NOTICE

To ensure correct audio system operations:

- *Be careful not to spill beverages over the audio system.*
- *Do not put anything other than a cassette tape or compact disc into the cassette tape slot or compact disc slot.*
- *The use of a cellular phone inside or near the vehicle may cause a noise from the speakers of the audio system which you are listening to. However, this does not indicate a malfunction.*

Radio reception

Usually, the problem with radio reception does not mean there is a problem with your radio – it is just the normal result of conditions outside the vehicle.

For example, nearby buildings and terrain can interfere with FM reception. Power lines or telephone wires can interfere with AM signals. And of course, radio signals have a limited range. The farther you are from a station, the weaker its signal will be. In addition, reception conditions change constantly as your vehicle moves.

Here are some common reception problems that probably do not indicate a problem with your radio:

FM

Fading and drifting stations – Generally, the effective range of FM is about 40 km (25 miles). Once outside this range, you may notice fading and drifting, which increase with the distance from the radio transmitter. They are often accompanied by distortion.

Multi-path – FM signals are reflective, making it possible for two signals to reach your antenna at the same time. If this happens, the signals will cancel each other out, causing a momentary flutter or loss of reception.

Static and fluttering – These occur when signals are blocked by buildings, trees, or other large objects. Increasing the bass level may reduce static and fluttering.

Station swapping – If the FM signal you are listening to is interrupted or weakened, and there is another strong station nearby on the FM band, your radio may tune in the second station until the original signal can be picked up again.

AM

Fading – AM broadcasts are reflected by the upper atmosphere – especially at night. These reflected signals can interfere with those received directly from the radio station, causing the radio station to sound alternately strong and weak.

Station interference – When a reflected signal and a signal received directly from a radio station are very nearly the same frequency, they can interfere with each other, making it difficult to hear the broadcast.

Static – AM is easily affected by external sources of electrical noise, such as high tension power lines, lightening, or electrical motors. This results in static.

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Caring for your cassette player and tapes

For the best performance for your cassette player and tapes:

Clean the tape head and other parts regularly.

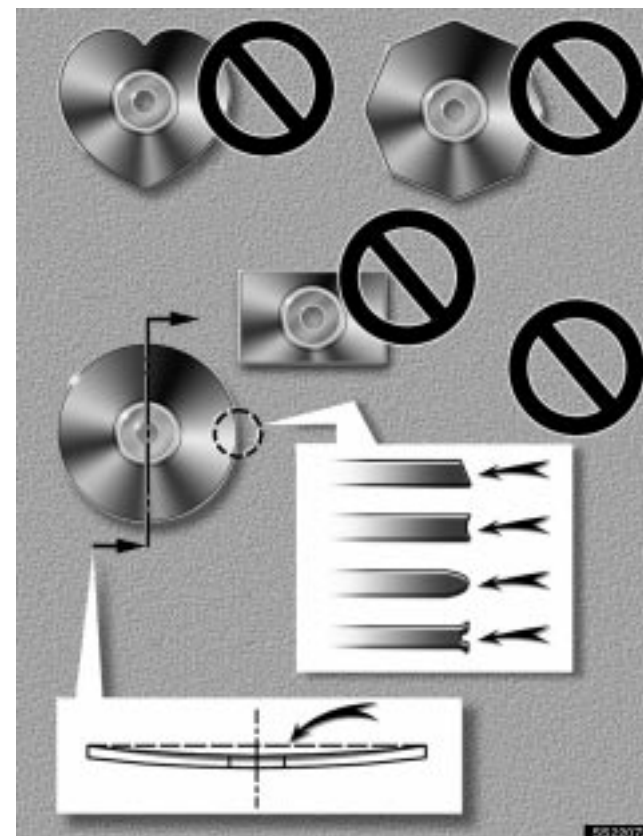
- A dirty tape head or tape path can decrease sound quality and tangle your cassette tapes. The easiest way to clean them is by using a cleaning tape. (A wet type is recommended.)

Use high-quality cassettes:

- Low-quality cassette tapes can cause many problems, including poor sound, inconsistent playing speed, and constant auto-reversing. They can also get stuck or tangled in the cassette player.
- Do not use a cassette if it has been damaged or tangled or if its label is peeling off.
- Do not leave a cassette in the player if you are not listening to it, especially if it is hot outside.
- Store cassettes in their cases and out of direct sunlight.
- Avoid using cassettes with a total playing time longer than 100 minutes (50 minutes per side). The tape used in these cassettes is thin and could get stuck or tangled in the cassette player.

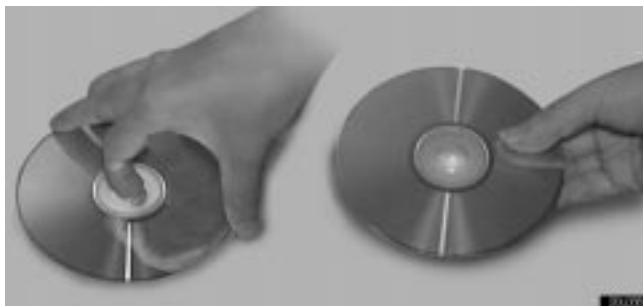
Caring for your compact disc player and discs

- Use only compact discs labeled as shown above. CD-R (CD-Recordable), CD-RW (CD-Re-writable) and personal computer use CD-ROMs may not be playable on your compact disc player.
- Your compact disc player is intended for use with 12 cm (4.7 in.) discs only.
- Extremely high temperature can keep your compact disc player from working. On hot days, use air conditioning to cool the vehicle interior before you listen to a disc.
- Bumpy roads or other vibrations may make your compact disc player skip.
- If moisture gets into your compact disc player, you may not hear any sound even though your compact disc player appears to be working. Eject all discs from the player and wait until it dries.



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Your automatic changer cannot play special shaped or low-quality compact discs such as those shown here. Do not use them as the changer could be damaged.



► **Correct**

► **Wrong**

- Handle compact discs carefully, especially when you set them into the player. Hold them on the edge and do not bend them. Avoid getting fingerprints on them, particularly on the shiny side.
- Dirt, scrapes, warping, pin holes, or other disc damage could cause the player to skip or to repeat a section of a track. (To see a pin hole, hold the disc up to the light.)



To clean a compact disc: Wipe it with a soft, lint-free cloth that has been dampened with water. Wipe in a straight line from the center to the edge of the disc (not in a circle). Do not use a conventional record cleaner or anti-static device.

CAUTION

Compact disc players use an invisible laser beam which could cause hazardous radiation exposure if directed outside the unit. Be sure to operate the player correctly.