

# Part 1

## OPERATION OF INSTRUMENTS AND CONTROLS—

### Chapter 1-7

#### Car audio system and Air conditioning system

- Car audio system operating tips
- AM-FM radio with electronic tuner and cassette tape player
- AM-FM radio with electronic tuner, cassette tape player and Compact Disc player
- Automatic air conditioning controls
- Dashboard vents
- Lower vent

#### Car audio system operating tips

You can listen to the car audio system when the ignition key is at “ON” or “ACC”. However, if the engine is not running, the key must be in the “ACC” position.

##### ILLUMINATION CONTROL LOGIC

When the instrument panel lights are on, the letters on operable buttons of the mode in current use light up. On some audio-units, the mode selection and eject buttons also light up.

On some audio-units, when a cassette tape is not in the slot, the letters on the tape mode buttons do not light up, but the slot lights up for easy access. Once a cassette tape is inserted, the letters on the tape mode buttons light up, and the slot stops illuminating.

##### RADIO

##### FM reception tips

Most of us are not aware that a vehicle is not an ideal place to listen to a radio. Because it moves, reception conditions change continuously. Buildings, terrain, signal distance and noise from other vehicles are all working against good reception. Some FM reception conditions may appear to be problems even though they are normal.

The following characteristics are normal for a given reception area, and they do not indicate any problem with the radio itself.

- **Fading and Drifting:** On the average, the broadcast range of FM stations is limited to about 40 km (25 miles), except for some high power stations.

If a vehicle is moving away from the desired station's transmitter, the signal will tend to fade and/or drift. This phenomenon is more noticeable with FM than with AM, and is accompanied by distortion.

Fading and drifting can be minimized to a certain degree by fine tuning, or you should tune in to a stronger signal.

- **Static and Fluttering:** When the line-of-sight path between a transmitter and vehicle is blocked by large buildings or the like, static or fluttering may occur because of the characteristic of FM. In a similar effect, a fluttering noise is sometimes heard when driving along a tree-lined road.

This static and fluttering can be reduced by adjusting the tone control for greater bass response until the disturbance has passed.

- **Multipath:** Because of the reflection characteristics of FM, direct and reflected signals may reach the antenna at the same time (a phenomenon called multipath reception) and cancel each other out. As a vehicle moves through these electronic dead spots, the listener may hear a momentary flutter or lose reception.
- **Station swapping:** When two FM stations are close to each other, and an electronic dead spot, such as is caused by static or multipath reception, interrupts the original signal, sometimes the stronger second signal is picked up automatically until the original one returns. This swapping can also occur as you drive away from the selected station and approach another station with a stronger signal.

On models with a power antenna, the antenna automatically extends to its full height when the radio and ignition are turned on.

To lower the power antenna, turn off the audio system by pushing "PWR·VOL", or turn the ignition key to "LOCK".

On some models, the power antenna automatically retracts when the radio mode is switched off to turn on the cassette tape player or compact disc player.

Before extending the power antenna, confirm that no one is close enough to get injured by it.

#### **NOTICE**

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

### **CASSETTE TAPE PLAYER**

**Use only undamaged cassette tapes of good quality. Avoid using tapes with a total playing time longer than 90 minutes.**

Using damaged tapes will cause trouble with the tape player. Longer tapes are not recommended because of their thinness.

**Before inserting a cassette, make sure the tape is not slack and that the label is firmly stuck on the shell.**

Wind the tape firmly by turning the hub with a pencil or the like.

Be careful not to touch the exposed tape surface.

**When not in use, take the cassette out of the player, put it back into its case and store it away from dust, magnets and direct sunlight.**

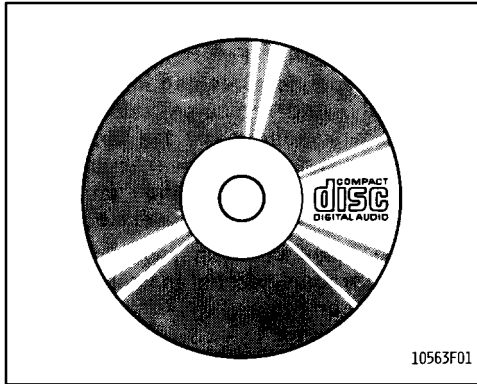
Leaving cassettes on the dashboard in the sun could damage your tapes.

**Keep the playback head, capstan and pinch roller clean.**

Remove tape coating residue accumulated on the head, capstan and pinch roller once or twice a month. A cleaning tape is available on the market.

#### **NOTICE**

*Do not oil any part of the player and do not insert anything other than cassette tapes into the slot, or the tape player may be damaged.*



### COMPACT DISC PLAYER

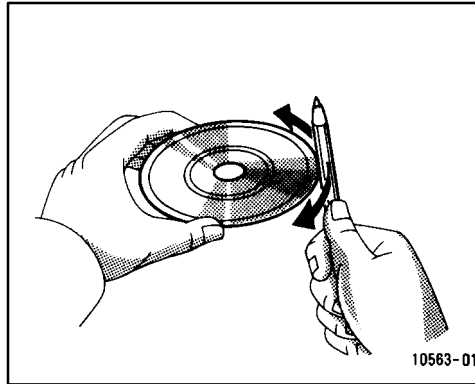
Use only Compact Discs labeled as shown, having no dirt, damage or warp.

Never attempt to disassemble or oil any part of the player unit. Do not insert any object other than a Disc into the slot.

Remember there are no user-serviceable parts inside.

**Do not put fingerprints, stickers, scratches or pen marks on the surfaces of the Disc.**

Hold the Disc only on the edge or center hole.



A new Disc may have rough edges on its inner and outer perimeter. Remove the rough edges by pressing the side of a ball-point pen or pencil against the inner and outer perimeter of the Disc as shown.

If you continue to play a Disc with rough edges, flakes will fall on to the signal side of the Disc and cause sound skipping or other problems.

**When not in use, take the Disc out of the player, put it back into its case and store it away from dust, heat, damp and direct sunlight.**

Leaving Discs on the dashboard in the sun may damage or warp them.

**If the Disc gets dirty, wipe it clean with a soft cloth, wiping radially out from the center.**

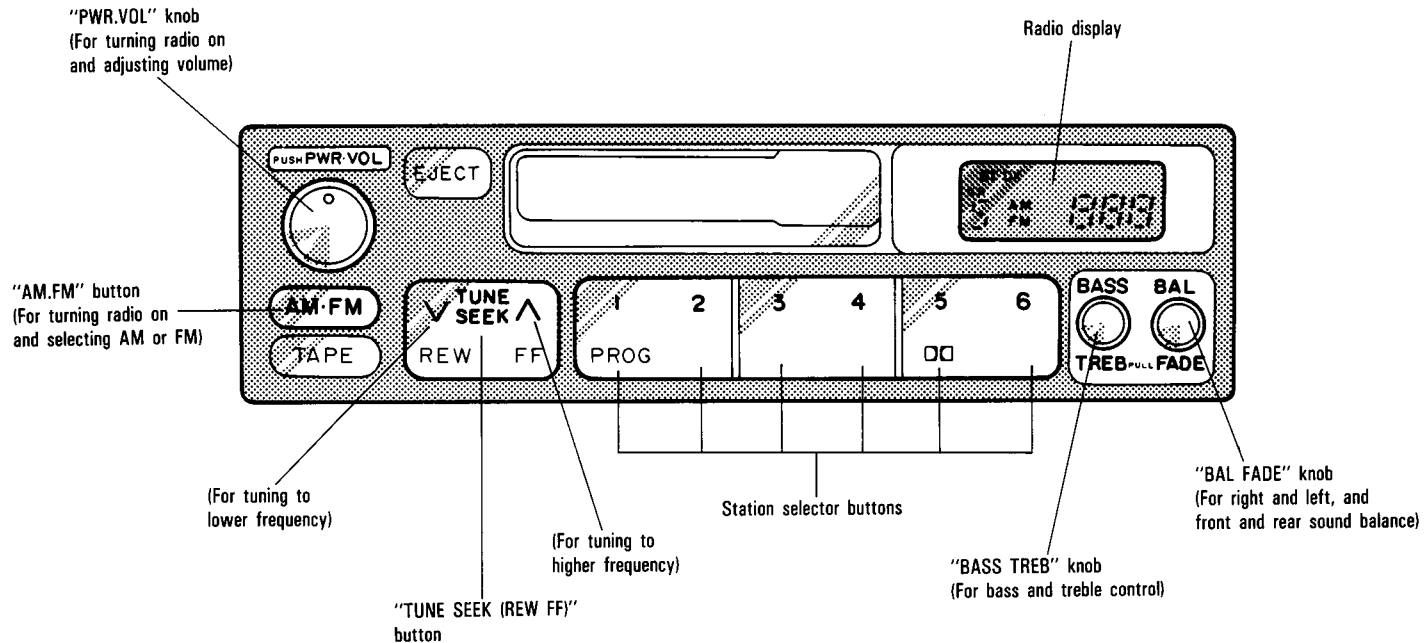
Do not use a conventional record cleaner or anti-static record preservative.



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

## AM-FM radio with electronic tuner and cassette tape player (type A)

Radio



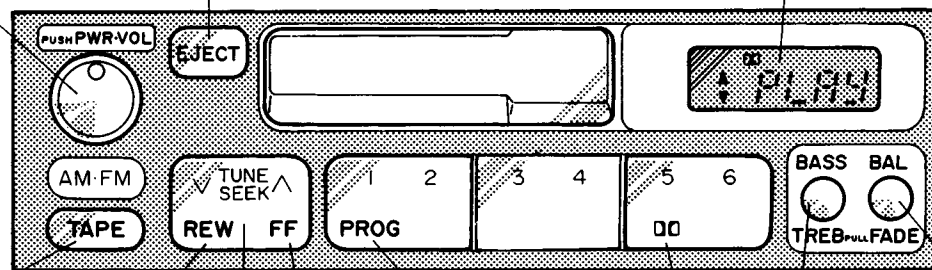
10640G29

# Cassette tape player

"PWR.VOL" knob  
(For turning player on  
and adjusting volume)

"EJECT" button  
(For stop and ejection)

Tape player  
display



"TAPE" button  
(For turning player on)

(For rewinding)

"REW FF (TUNE SEEK)"  
button

(For fast forwarding)

"PROG" button  
(For side change)

Dolby NR button

"BASS TREB" knob  
(For bass and treble control)

"BAL FADE" knob  
(For right and left, and  
front and rear sound balance)

10640H11

### **(a) Listening to the radio**

1. Push the "AM-FM" button to turn the radio on and select either an AM or FM broadcast.

"AM" or "FM" will appear on the display.

The radio can also be turned on by pushing the "PWR·VOL" knob if the radio was on when the system was turned off.

2. Turn the "PWR·VOL" knob to adjust the volume.

3. Tune in the desired station. (See "(b) Selecting a station" and "(c) Presetting a station".)

The radio will change automatically to stereo reception when an FM stereo broadcast is being received. At the same time, "ST" will appear on the display. When the receiving signal gets weak, the channel separation will automatically be reduced for the lowest noise. If the signal becomes extremely weak, the radio will switch over to monaural reception.

4. Adjust the tone and sound balance. (See "(d) Adjusting the tone" and "(e) Adjusting the sound balance".)

5. To turn the radio off, push the "PWR·VOL" knob.

### **(b) Selecting a station**

Tune in the desired station using one of the following methods. The frequency will appear on the display.

**Preset tuning:** Use for tuning-in to a desired preset station. (See "(c) Presetting a station".)

Push the station selector button which has been preset to the desired station. The radio will tune in to the station and the button number will appear on the display.

**Seek tuning:** Use for automatic station search and stop.

Push the "TUNE SEEK (REW FF)" button on either side and hold it until a beep is heard. 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, stations will be sought out one after another.

If the radio cannot seek out any stations in one pass because of too weak signals, the radio will begin seeking again with sensitivity boosted for searching out weak stations. At this time, "DX" will appear on the display.

### **Manual tuning**

Push the "TUNE SEEK (REW FF)" button on either side for less than 0.5 second. Each time you push the button, the radio will step up or down to another frequency where stations could exist.

### **(c) Presetting a station**

1. Tune in the desired station. (See "(b) Selecting a station".)

2. Push either side of the station selector buttons and hold it until a beep is heard. This sets the station to the button and the button number will appear on the display. Each side of the buttons can store one AM station and one FM station. To change the preset station to a different one, follow the same procedure.

The preset station will be cancelled when the power source is severed (battery disconnected, burnt fuse, etc.).

### **(d) Adjusting the tone**

To adjust a low-pitched tone, push the "BASS TREB" knob (if pushed in) and turn it.

To adjust a high-pitched tone, push the "BASS TREB" knob (if pushed in), pull it fully out and turn it.

### **(e) Adjusting the sound balance**

To balance the sound between the right and left speakers, push the "BAL FADE" knob (if pushed in) and turn it.

To balance the sound between the front and rear speakers, push the "BAL FADE" knob (if pushed in), pull it fully out and turn it.

### **(f) Listening to the cassette tape**

1. Put the cassette into the slot, with the tape side to the right and lightly push it in. The tape player will grab the cassette and slide it into place to play it. If the radio is on when inserting the cassette, the radio will automatically turn off.

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

At This time, "PLAY" will appear on the display.

The tape player can also be turned on by pushing the "PWR·VOL" knob if the tape player was playing when the system was turned off by pushing the knob.

2. If using a tape recorded with Dolby NR\*, push the button marked with the double-D symbol. The display will indicate that the Dolby noise reduction system is on.

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

To play a tape recorded without Dolby NR\*, push the button again to turn off the Dolby NR\*.

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

3. Turn the "PWR·VOL" knob to adjust the volume.

4. Select your program. (See "(g) Selecting a program".)

5. Adjust the tone and sound balance. (See "(d) Adjusting the tone" and "(e) Adjusting the sound balance".)

6. To turn the player off, push the "PWR·VOL" knob.

7. To eject the cassette, push the "EJECT" button. As this is done, the player will turn off. If the radio was on when the cassette tape was inserted, it will automatically turn on again.

The key can be at any position to eject the cassette.

### **(g) Selecting a program**

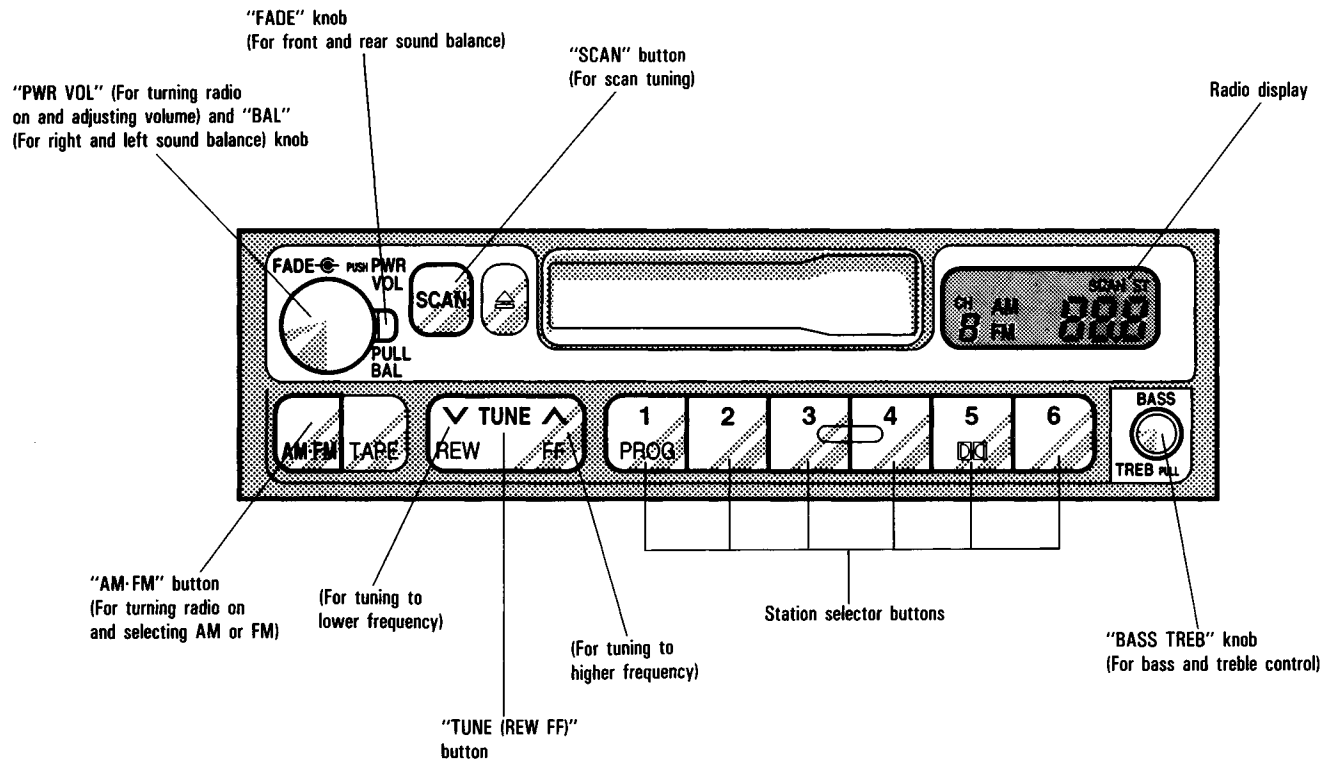
1. Push the "PROG" button to select a side to play. The tape operation indicator display shows you which side is being played.

The player will automatically reverse directions at the end of the tape to play the other side.

2. Push the "REW FF (TUNE SEEK)" button on either side to fast forward or rewind the tape. At this time, "FF" or "REW" will appear on the display. To stop the tape while it is fast forwarding, push "FF" or "TAPE"; to stop the tape while it is rewinding, push "REW" or "TAPE". The tape will immediately begin to play.

## AM-FM radio with electronic tuner and cassette tape player (type B)

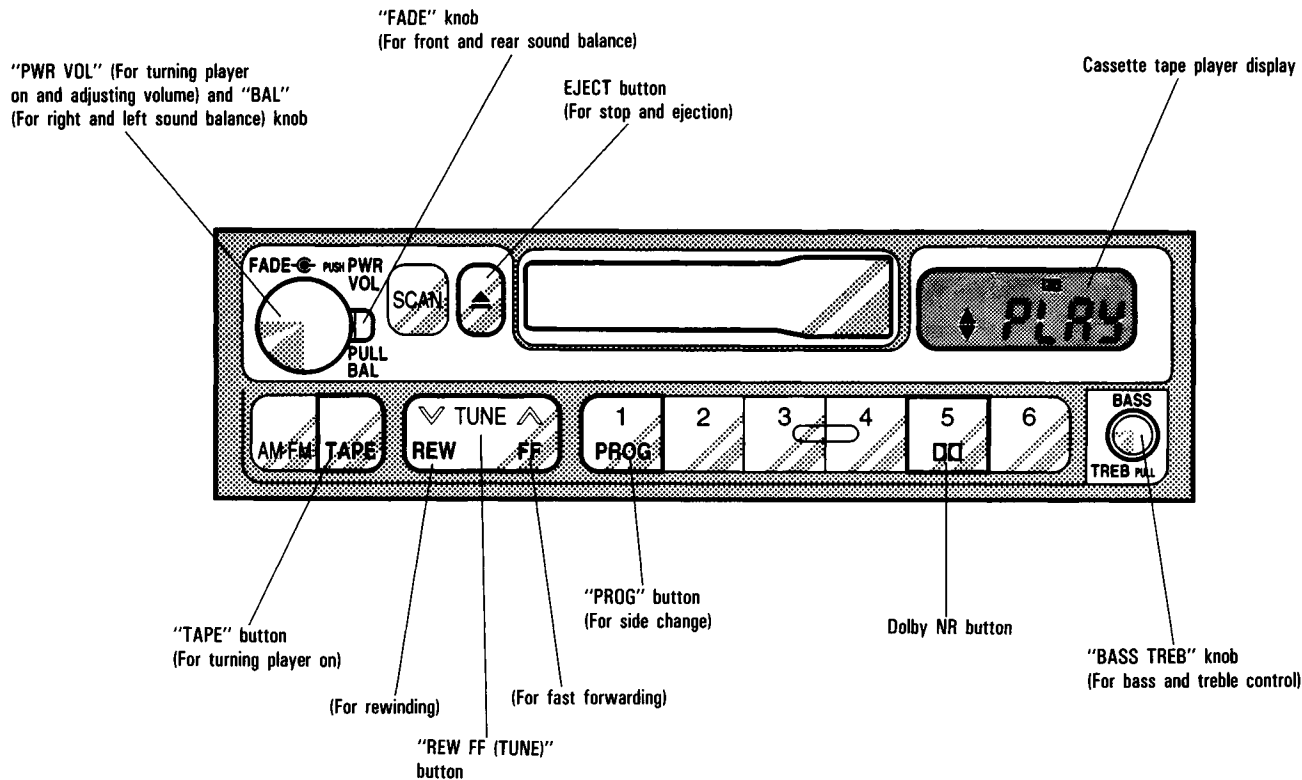
Radio



10640-10



# Cassette tape player



10640-11

### **(a) Listening to the radio**

1. Push the “AM-FM” button to turn the radio on and select either an AM or FM broadcast.

“AM” or “FM” will appear on the display.

The radio can also be turned on by pushing the “PWR VOL” knob if the radio was on when the system was turned off.

2. Turn the “PWR VOL” knob to adjust the volume.

3. Tune in the desired station. (See “(b) Selecting a station” and “(c) Presetting a station”.)

The radio will change automatically to stereo reception when an FM stereo broadcast is being received. At the same time, “ST” will appear on the display. When the receiving signal gets weak, the channel separation will automatically be reduced for the lowest noise. If the signal becomes extremely weak, the radio will switch over to monaural reception.

4. Adjust the tone and sound balance. (See “(d) Adjusting the tone” and “(e) Adjusting the sound balance”.)

5. To turn the radio off, push the “PWR VOL” knob.

### **(b) Selecting a station**

Tune in the desired station using one of the following methods. The frequency will appear on the display.

**Preset tuning:** Use for tuning-in to a desired preset station. (See “(c) Presetting a station”.)

Push the station selector button which has been preset to the desired station. The radio will tune in to the station and the button number will appear on the display.

**Seek tuning:** Use for automatic station search and stop.

Push the “TUNE (REW FF)” button on either side and hold it until a beep is heard. 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, stations will be sought out one after another.

**Scan tuning:** Use for station-to-station scanning.

Scanning for all frequencies—Push the “SCAN” button and hold it until a beep is heard. With “SCAN” on the display, the radio will automatically seek out a station of a higher frequency, hold it for 5 seconds and scan to the next. To continue listening to the broadcast of your choice, simply push the “SCAN” button once again.

If the radio scans over all frequencies without stop because the signals are too weak or just because you leave it going, the radio will begin scanning again with sensitivity boosted for searching out weak stations.

Scanning for preset stations—Push the “SCAN” button within 2 seconds. With “SCAN” on the display, the radio will automatically seek out a preset station, hold it for 5 seconds and scan to the next. To continue listening to the station of your choice, simply push the “SCAN” button once again.

### **Manual tuning**

Push the “TUNE (REW FF)” button on either side for less than 0.5 second. Each time you push the button, the radio will step up or down to another frequency where stations could exist.

### **(c) Presetting a station**

1. Tune in the desired station. (See “(b) Selecting a station”.)

2. Push one of the station selector buttons and hold it until a beep is heard. This sets the station to the button and the button number will appear on the display.

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

The preset station will be cancelled when the power source is severed (battery disconnected, burnt fuse, etc.).

#### **(d) Adjusting the tone**

To adjust a low-pitched tone, push the “BASS TREB” knob (if pushed in) and turn it.

To adjust a high-pitched tone, push the “BASS TREB” knob (if pushed in), pull it fully out and turn it.

#### **(e) Adjusting the sound balance**

To balance the sound between the right and left speakers, pull out the “BAL” knob and turn it.

To balance the sound between the front and rear speakers, turn the “FADE” knob.

#### **(f) Listening to the cassette tape**

1. Put the cassette into the slot, with the tape side to the right and lightly push it in. The tape player will grab the cassette and slide it into place to play it. If the radio is on when inserting the cassette, the radio will automatically turn off.

If the cassette is already in the slot, push the “TAPE” button.

At this time, “PLAY” will appear on the display.

The tape player can also be turned on by pushing the “PWR VOL” knob if the tape player was playing when the system was turned off by pushing the knob.

2. If using a tape recorded with Dolby NR\*, push the button marked with the double-D symbol. The display will indicate that the Dolby noise reduction system is on.

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

To play a tape recorded without Dolby NR\*, push the button again to turn off the Dolby NR\*.

\*: Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. “DOLBY” and the double-D symbol [X] are trademarks of Dolby Laboratories Licensing Corporation.

3. Turn the “PWR VOL” knob to adjust the volume.

4. Select your program. (See “(g) Selecting a program”.)

5. Adjust the tone and sound balance. (See “(d) Adjusting the tone” and “(e) Adjusting the sound balance”.)

6. To turn the player off, push the “PWR VOL” knob.

7. To eject the cassette, push the EJECT button. As this is done, the player will turn off. If the radio was on when the cassette tape was inserted, it will automatically turn on again.

You can eject the cassette only once after the system is turned off.

#### **(g) Selecting a program**

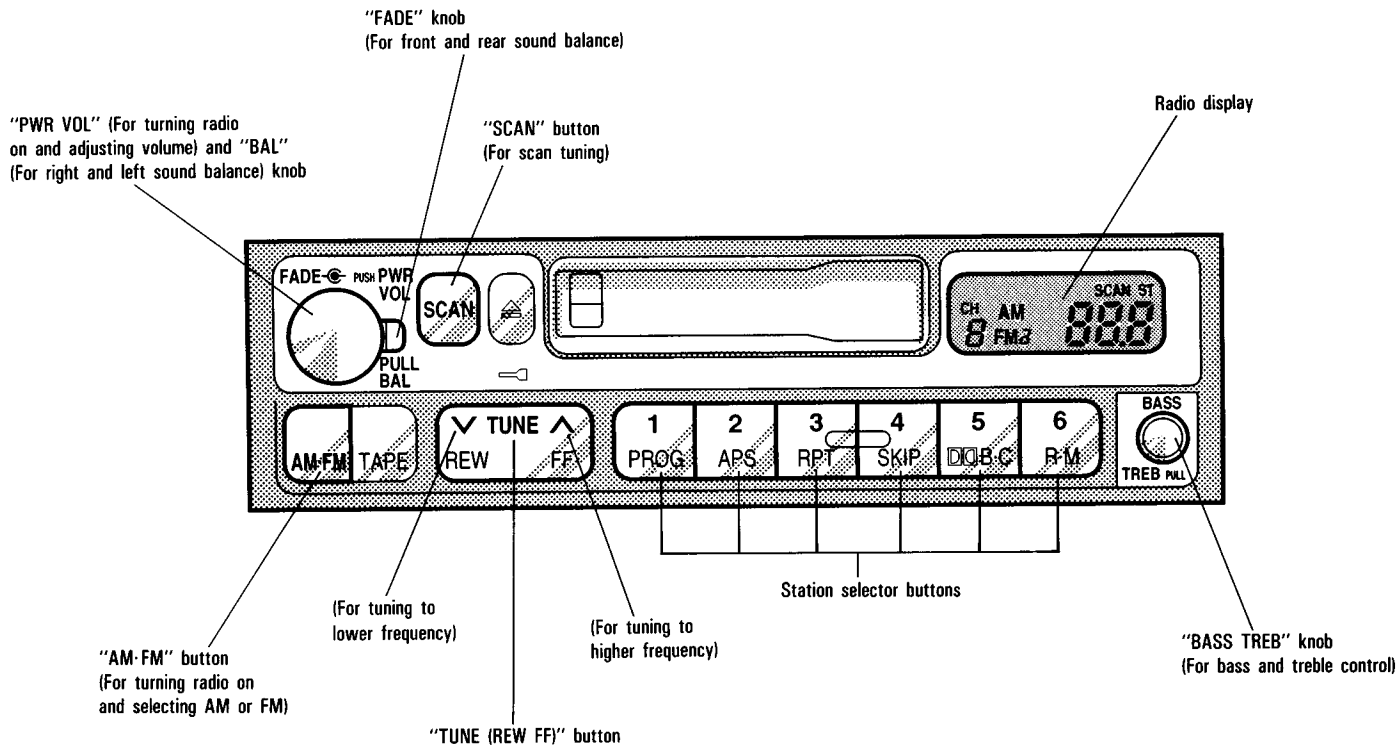
1. Push the “PROG” button to select a side to play. The tape operation indicator display shows you which side is being played.

The player will automatically reverse directions at the end of the tape to play the other side.

2. Push the “REW FF (TUNE)” button on either side to fast forward or rewind the tape. At this time, “FF” or “REW” will appear on the display. To stop the tape while it is fast forwarding, push “FF” or “TAPE”; to stop the tape while it is rewinding, push “REW” or “TAPE”. The tape will immediately begin to play.

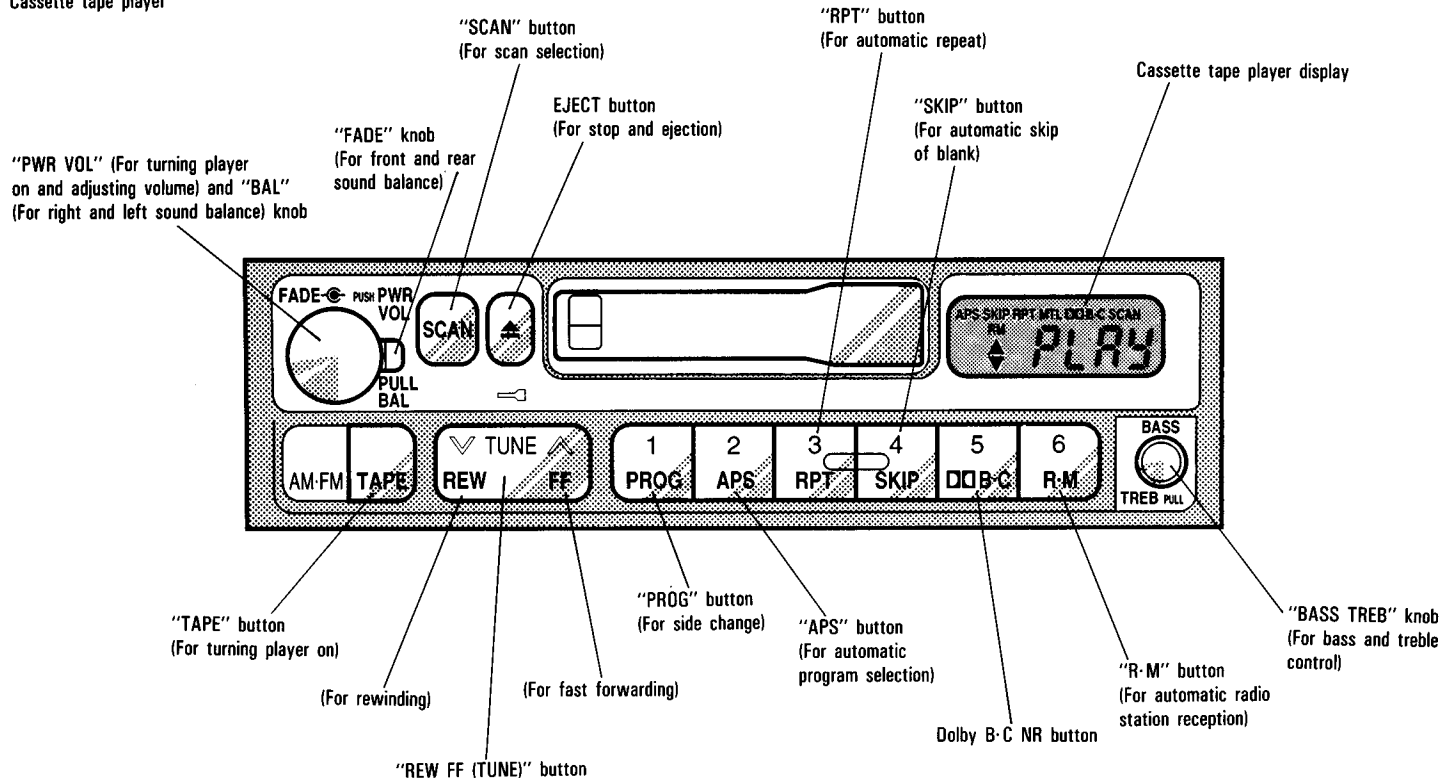
## AM-FM radio with electronic tuner and cassette tape player (type C)

Radio



10640-14

# Cassette tape player



10640-15

### **(a) Listening to the radio**

1. Push the “AM-FM” button to turn the radio on and select either an AM or FM broadcast.

“AM” or “FM” will appear on the display.

The radio can also be turned on by pushing the “PWR VOL” knob if the radio was on when the system was turned off.

2. Turn the “PWR VOL” knob to adjust the volume.

3. Tune in the desired station. (See “(b) Selecting a station” and “(c) Presetting a station”.)

The radio will change automatically to stereo reception when an FM stereo broadcast is being received. At the same time, “ST” will appear on the display. When the receiving signal gets weak, the channel separation will automatically be reduced for the lowest noise. If the signal becomes extremely weak, the radio will switch over to monaural reception.

4. Adjust the tone and sound balance. (See “(d) Adjusting the tone” and “(e) Adjusting the sound balance”.)

5. To turn the radio off, push the “PWR VOL” knob.

### **(b) Selecting a station**

Tune in the desired station using one of the following methods. The frequency will appear on the display.

#### **Preset tuning:**

Use for tuning-in to a desired preset station. (See “(c) Presetting a station”.)

1. Push the “AM-FM” button repeatedly until the desired selection appears on the display.

2. Push the station selector button which has been preset to the desired station. The radio will tune in to the station and the button number will appear on the display.

**Seek tuning:** Use for automatic station search and stop.

Push the “TUNE (REW FF)” button on either side and hold it until a beep is heard. 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, stations will be sought out one after another.

**Scan tuning:** Use for station-to-station scanning.

Scanning for all frequencies—Push the “SCAN” button and hold it until a beep is heard. With “SCAN” on the display, the radio will automatically seek out a station of a higher frequency, hold it for 5 seconds and scan to the next. To continue listening to the broadcast of your choice, simply push the “SCAN” button once again.

If the radio scans over all frequencies without stop because the signals are too weak or just because you leave it going, the radio will begin scanning again with sensitivity boosted for searching out weak stations.

Scanning for preset stations—Push the “SCAN” button within 2 seconds. With “SCAN” on the display, the radio will automatically seek out a preset station, hold it for 5 seconds and scan to the next. To continue listening to the station of your choice, simply push the “SCAN” button once again.

#### **Manual tuning**

Push the “TUNE (REW FF)” button on either side for less than 0.5 second. Each time you push the button, the radio will step up or down to another frequency where stations could exist.

### **(c) Presetting a station**

1. Push the "AM-FM" button repeatedly until the desired selection, "AM", "FM1" or "FM2", appears on the display.

The radio has two FM selections, "FM1" and "FM2". You can preset any desired six stations in each selection. When you preset an FM station, check which selection you have used.

2. Tune in the desired station. (See "(b) Selecting a station".)

3. Push one of the station selector buttons and hold it until a beep is heard. This sets the station to the button and the button number will appear on the display.

To change the preset station to a different one, follow the same procedure.

The preset station will be cancelled when the power source is severed (battery disconnected, burnt fuse, etc.).

### **(d) Adjusting the tone**

To adjust the low-pitched tone, push the "BASS TREB" knob (if pushed in) and turn it.

To adjust the high-pitched tone, push the "BASS TREB" knob (if pushed in), pull it fully out and turn it.

### **(e) Adjusting the sound balance**

To balance the sound between the right and left speakers, pull out the "BAL" knob and turn it.

To balance the sound between the front and rear speakers, turn the "FADE" knob.

### **(f) Listening to the cassette tape**

1. Put the cassette into the slot, with the tape side to the right and lightly push it in. The tape player will grab the cassette and slide it into place to play it. If the radio is on when inserting the cassette, it will automatically turn off.

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

At This time, "PLAY" will appear on the display.

The tape player can also be turned on by pushing the "PWR VOL" knob if the tape player was playing when the system was turned off by pushing the knob.

When a metal or chrome equivalent tape is inserted, the player will automatically adapt to it and "MTL" will appear on the display.

2. If using a tape recorded with Dolby NR\*, push the button marked with the double-D symbol to select the Dolby B NR or Dolby C NR mode. The display will indicate which Dolby noise reduction system is operating.

The Dolby B NR mode reduces tape noise by about 10 dB. The Dolby C NR mode reduces tape noise by another 10 dB, or about 20 dB total. For best sound reproduction, select the same NR mode that was used to record the tape.

To play a tape recorded without Dolby NR\*, push the button until the Dolby NR indicator disappears.

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

3. Turn the "PWR VOL" knob to adjust the volume.

4. Select your program. (See "(g) Selecting a program".)

5. Adjust the tone and sound balance. (See "(d) Adjusting the tone" and "(e) Adjusting the sound balance".)

6. If desired, other functions may be used for your convenience. (See "(h) Other tape player functions".)

7. To eject the cassette, push the EJECT button. As this is done, the player will turn off. If the radio was on when the cassette tape was inserted, it will automatically turn on again.

8. To turn the player off, push the "PWR VOL" knob.

You can eject the cassette only once after the system is turned off.

### **(g) Selecting a program**

1. Push the “PROG” button to select a side to play. The tape operation indicator display shows you which side is being played.

The player will automatically reverse directions at the end of the tape to play the other side.

2. Have a desired program played using either of the following methods.

#### **Manual program selection**

Push the “REW FF (TUNE)” button on either side to rewind or fast forward the tape. At this time, “REW” or “FF” will appear on the display. To stop the tape while it is fast forwarding, push “FF” or “TAPE”; to stop the tape while it is rewinding, push “REW” or “TAPE”. The tape will immediately begin to play.

**Automatic program selection:** Use for quick access to a desired program.

1. Push the “APS” button. “APS” and program number “1” will appear on the display.

2. Repeat the push until the number indicates how many programs ahead of/behind the one currently being played you wish to listen to (include the program you are currently listening to when counting back previous programs).

The maximum number of settings is nine. The tenth push on the button will cancel the function and “APS” will disappear on the display.

3. Push the “REW FF (TUNE)” button on either side to get the tape going in the direction of the program. The player will automatically stop at the beginning of the selected program and play it.

If the number you set exceeds the number of the programs remaining on the side currently being played, the tape will fast forward to the beginning of the other side (when fast forwarding) or rewind to the beginning of that side (when rewinding).

This function does not work properly unless the blank portions on the tape have 3 seconds or more between one program and another.

### **(h) Other tape player functions**

**“RPT” button:** Use for automatic repeat of the program currently being listened to.

Push the “RPT” button while the program is being played. As this is done, “RPT” will appear on the display. When the program is finished, the tape will automatically be rewound to the beginning of the program and the program will be played again. To cancel it, push the button once again.

This function does not work properly unless the blank portions on the tape have 3 seconds or more between one program and another.

**“SKIP” button:** Use for automatic skipping of blank portions between programs. Push the “SKIP” button. “SKIP” appears on the display. The player will automatically skip any blank portions of 15 seconds or more and play the next program, even if it is on the other side. To cancel it, push the button once again.

**“SCAN” button:** Use for program-to-program scanning.

Push the “SCAN” button. With “SCAN” on the display, each program will be played for 12 seconds and scan to the next. To continue listening to the program of your choice, simply push the “SCAN” button once again.

The player will automatically reverse directions at the end of the tape and keep scanning.



**“R·M” button (radio monitor system):**

Use for automatic station reception.

Push the “R·M” button. “R·M” appears on the display. In this mode, if you push the “REW FF (TUNE)” button on either side when listening to the tape, the system will change the radio mode and automatically receive the last station which was set. At the time, the received station condition appears on the display.

The system will be cancelled out when the power source is severed (battery disconnected, burnt fuse, etc.)

**(i) Anti-theft system**

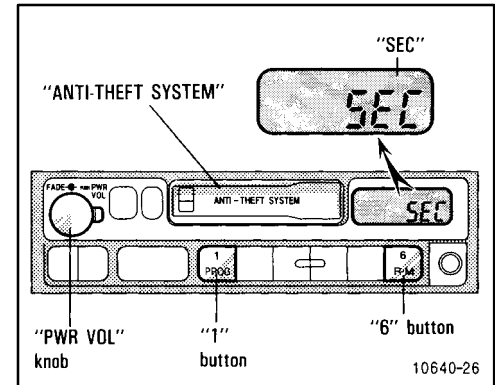
To deter theft of your radio unit, the system is designed so that the radio unit becomes inoperable if the unit is stolen from the vehicle.

The system is not preset at factory. You must input a three-digit identification number decided by you.

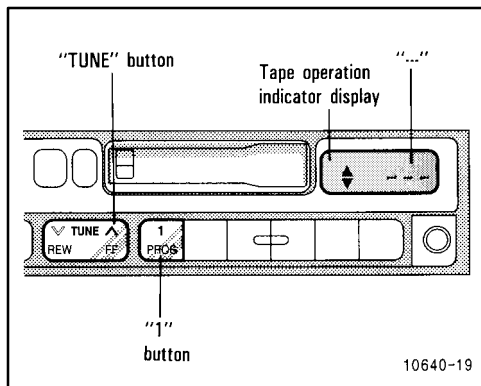
**NOTICE**

***If you pushed any wrong buttons on the anti-theft system, the following messages will appear on the display.***

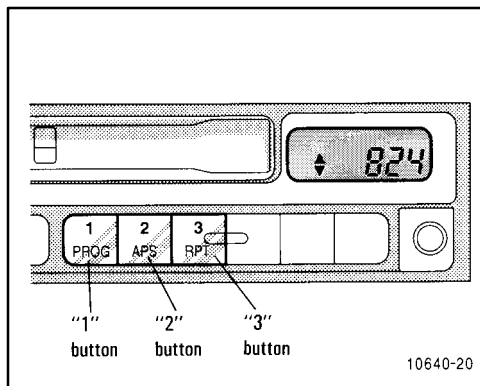
- ◆ ***“Err”—You have pushed wrong buttons.***
- ◆ ***“1-9”—Indicates the number of errors you have made. You may make up to nine errors, but no more!***
- ◆ ***“HELP”—The number of errors you can make was exceeded. The audio system is completely inoperable. Contact your Toyota dealer.***

**Setting the anti-theft system**

1. Make sure the radio unit is turned off with the ignition switch in “ACC”.
2. While holding the “1” and “6” buttons in, push and hold the “PWR VOL” knob in until “SEC” appears on the display.

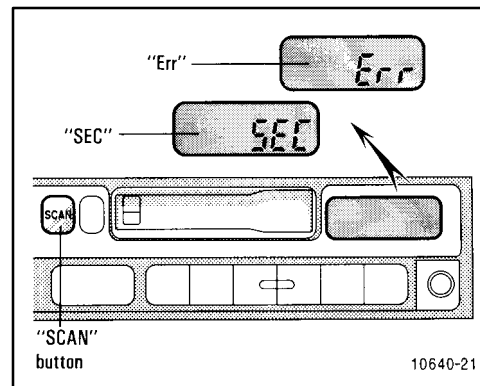


3. Press the "1" button while holding the right side of "TUNE" button in. " - - -" and the tape operation indicator will appear on the display.



4. Input your identification number by pressing the "1", "2" and "3" buttons repeatedly. Use the "1" button for the first digit, the "2" button for the second digit and the "3" button for the last digit. For example, if your number is 824, press the "1" button nine times, the "2" button three times and the "3" button five times. If the display returns to " - - -" while inputting, try again.

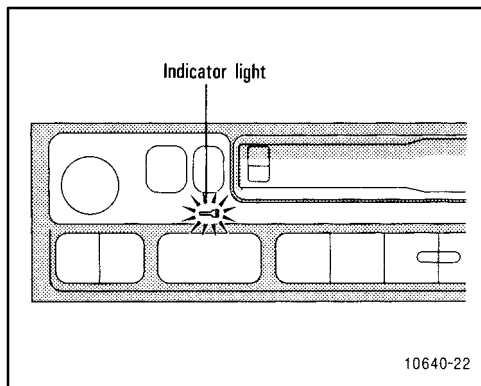
We recommend that your identification number be associated with something easy to remember. In case you are unsure of the number, write it in a notebook you normally carry. Do not leave it behind in your vehicle.



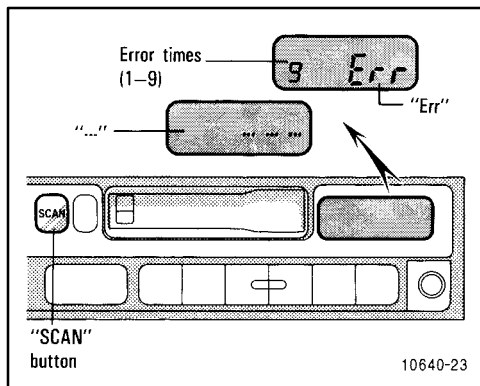
5. With your identification number appearing on the display, press the "SCAN" button and hold it in until "SEC" appears on the display. "SEC" will go off to indicate the system is set. If invalid buttons have been used, "Err" will appear on the display before "SEC" appears. Try again from the step 3.

Once the system is set, the indicator light turns on and off with the ignition switch in "OFF" and "SEC" will appear each time the key is turned to the "ACC" position.

To change the identification number for some reason, cancel the system (See "Cancelling the anti-theft system") and set it again with a new number.

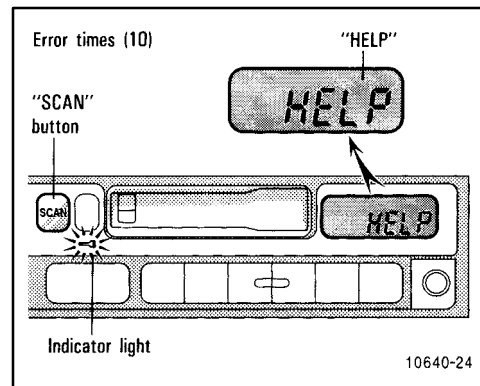


The system will be activated if the electrical power source is disconnected from the radio unit. When the system is activated, the audio system cannot be turned on even after the power supply resumes and "SEC" will appear on the display. If this happens, such as when the battery is discharged, see "If the anti-theft system is activated".



### Cancelling the anti-theft system

1. Follow the steps 1 to 4 described in "Setting the anti-theft system".
2. With your identification number appearing on the display, press the "SCAN" button and hold it in until "- - -" appears on the display. "- - -" will go off to indicate the system is cancelled. If invalid buttons have been used, "Err" will appear on the display and "SEC" appears. Try again from step 3 in "Setting the anti-theft system".

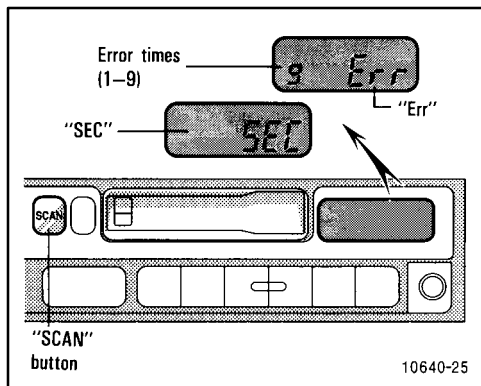


The figure with "Err" indicates how many errors you have made. You may make up to nine errors, but no more!

### NOTICE

***A tenth error will activate the anti-theft system and "HELP" will appear on the display. The audio system will be completely inoperable. At this time, the indicator light also comes on. If this occurs, contact your Toyota dealer.***

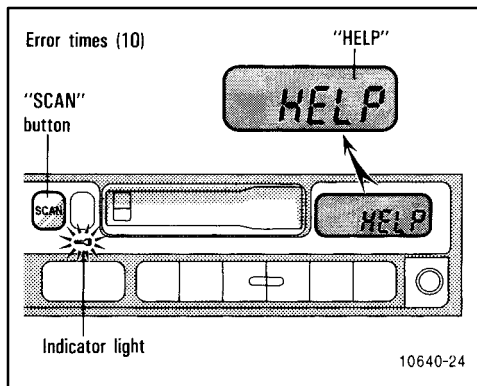
At the time of resale of your vehicle, cancel the system for the new owner.



### If the anti-theft system is activated

The audio system made inoperable by the activated anti-theft system will be operable if you give it the correct identification number.

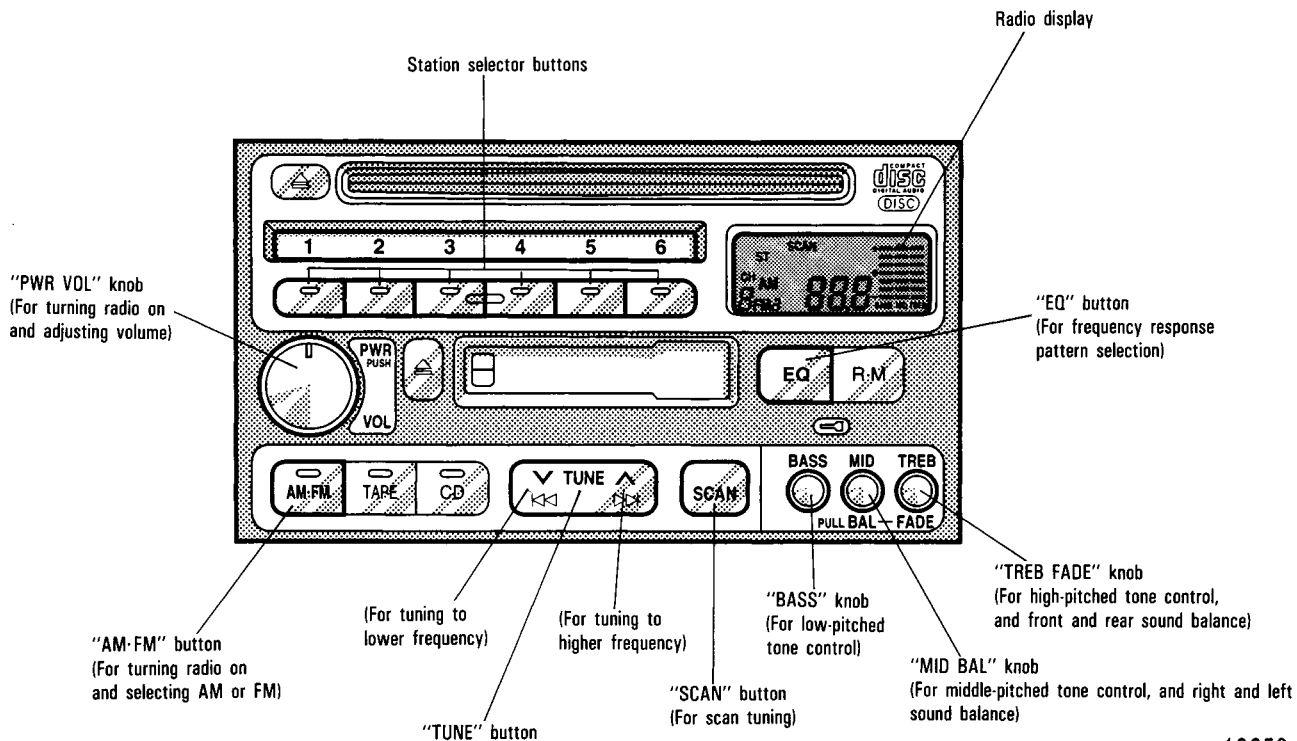
1. Follow the steps 3 and 4 described in "Setting the anti-theft system".
2. With your identification number appearing on the display, press the "SCAN" button and hold it in until "SEC" appears on the display. "SEC" will go off to indicate that the system is reset and the audio system is operable. If invalid buttons have been used, "Err" will appear on the display before "SEC" appears. Try again from the beginning.



See "Cancelling the anti-theft system" for notes on the figure with "Err".

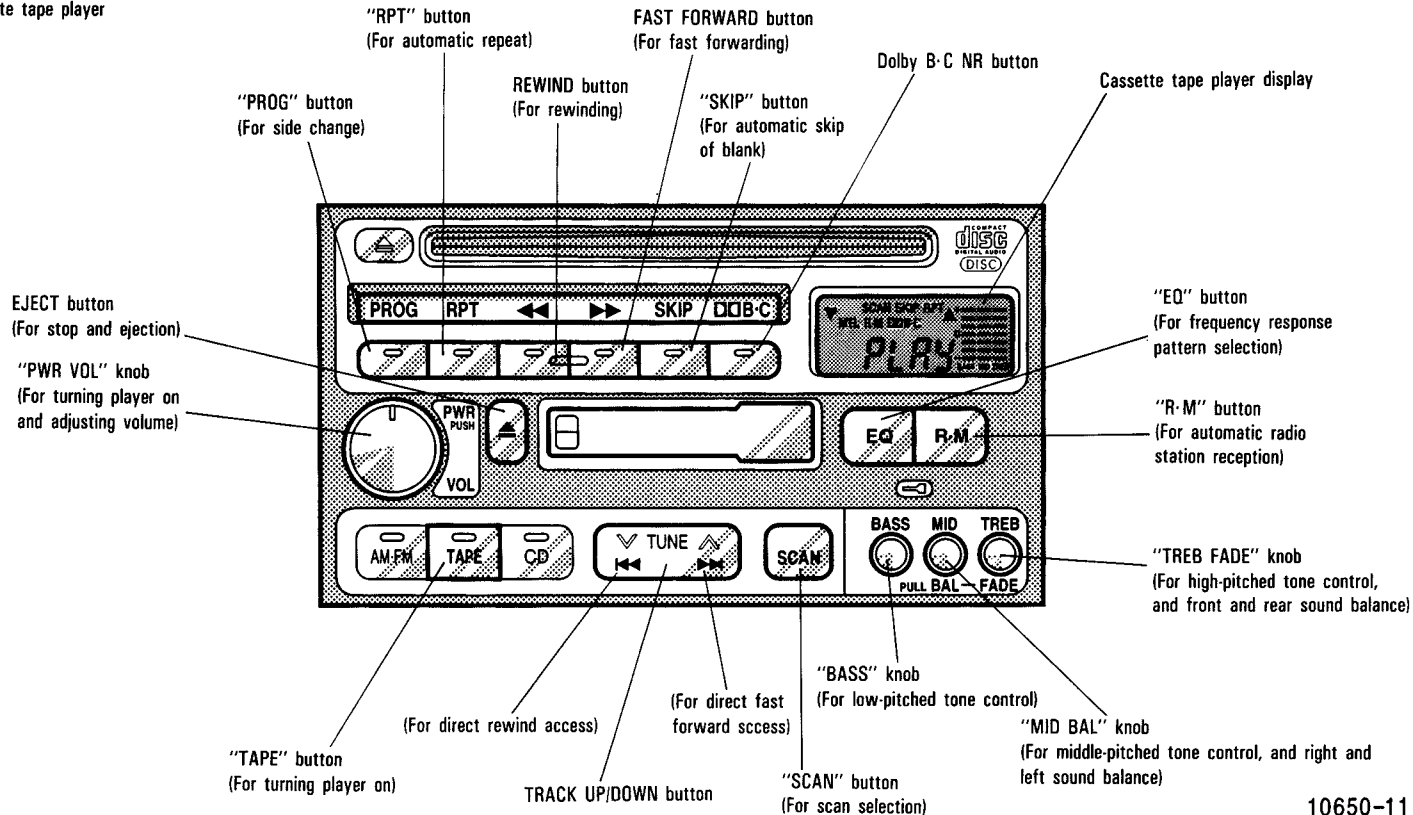
## AM-FM radio with electronic tuner, cassette tape player and Compact Disc player

Radio



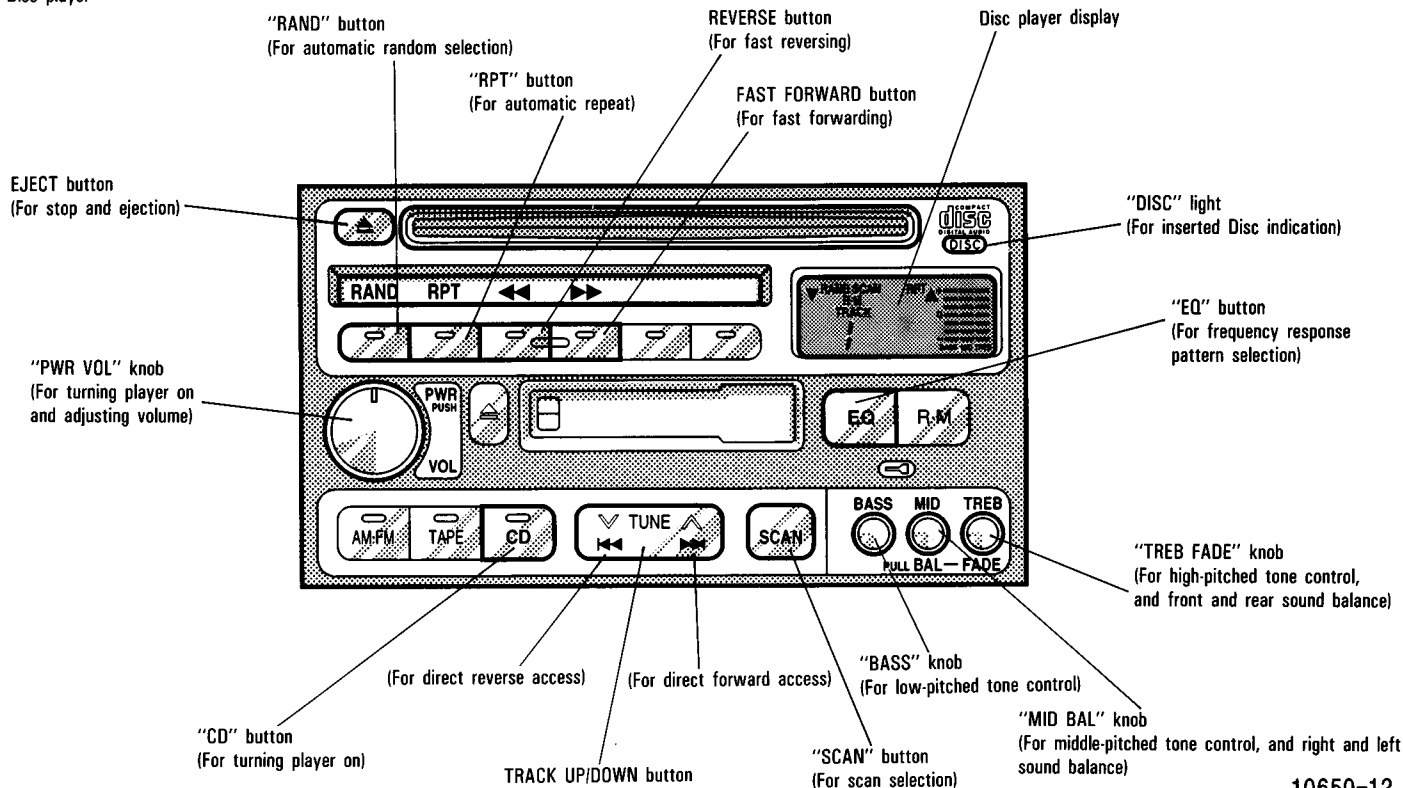
10650-10

# Cassette tape player



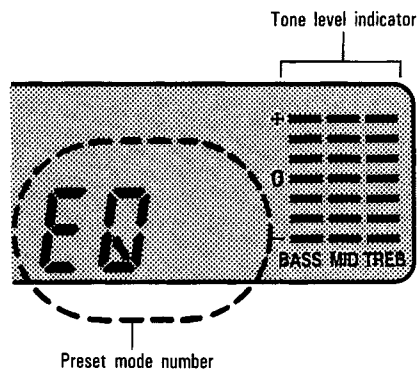
10650-11

# Compact Disc player

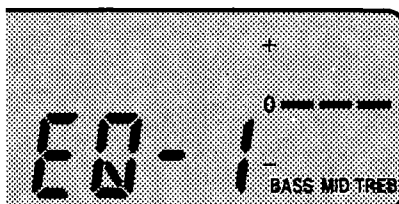


10650-12

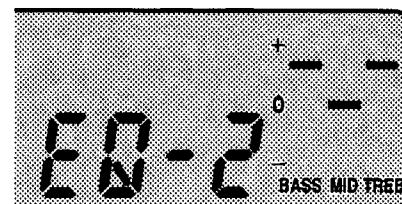
# Frequency response pattern display



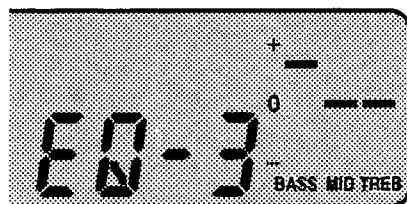
## Preset frequency response pattern and example of music type



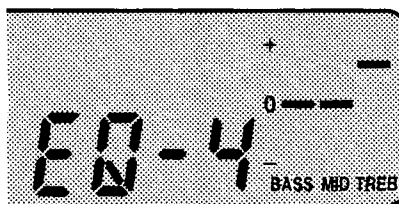
Flat response:  
For classical music etc.



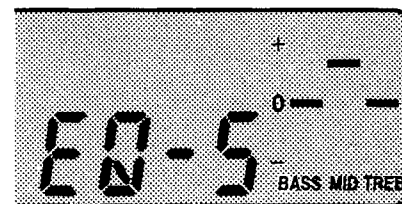
Boosted bass and treble response:  
For jazz etc.



Boosted bass response:  
For rock music etc.



Boosted treble response:  
For pop music etc.



Boosted midrange response:  
For vocal music etc.

10650-1



### **(a) Listening to the radio**

1. Push the “AM-FM” button to turn the radio on and select either an AM or FM broadcast.

“AM” or “FM” will appear on the display.

The radio can also be turned on by pushing the “PWR VOL” knob if the radio was on when the system was turned off.

2. Turn the “PWR VOL” knob to adjust the volume.

3. Tune in the desired station. (See “(b) Selecting a station” and “(c) Presetting a station”.)

The radio will change automatically to stereo reception when an FM stereo broadcast is being received. At the same time, “ST” will appear on the display. When the receiving signal gets weak, the channel separation will automatically be reduced for the lowest noise. If the signal becomes extremely weak, the radio will switch over to monaural reception.

4. Adjust the tone and sound balance. (See “(d) Adjusting the tone” and “(e) Adjusting the sound balance”.)

5. To turn the radio off, push the “PWR VOL” knob.

### **(b) Selecting a station**

Tune in the desired station using one of the following methods. The frequency will appear on the display.

**Preset tuning:** Use for tuning-in to a desired preset station. (See “(c) Presetting a station”.)

1. Push the “AM-FM” button repeatedly until the desired selection appears on the display.

2. Push the station selector button which has been preset to the desired station. The radio will tune in to the station and the button number will appear on the display.

**Seek tuning:** Use for automatic station search and stop.

Push the “TUNE” button on either side and hold it until a beep is heard. 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, stations will be sought out one after another.

**Scan tuning:** Use for station-to-station scanning.

Scanning for all frequencies—Push the “SCAN” button and hold it until a beep is heard. With “SCAN” on the display, the radio will automatically seek out a station of a higher frequency, hold it for 5 seconds and scan to the next. To continue listening to the broadcast of your choice, simply push the “SCAN” button once again.

If the radio scans over all frequencies without stop because the signals are too weak or just because you leave it going, the radio will begin scanning again with sensitivity boosted for searching out weak stations.

Scanning for preset stations—Push the “SCAN” button within 2 seconds. With “SCAN” on the display, the radio will automatically seek out a preset station, hold it for 5 seconds and scan to the next. To continue listening to the station of your choice, simply push the “SCAN” button once again.

### **Manual tuning**

Push the “TUNE” button on either side for less than 0.5 second. Each time you push the button, the radio will step up or down to another frequency where stations could exist.

### **(c) Presetting a station**

1. Push the “AM-FM” button repeatedly until the desired selection, “AM”, “FM1” or “FM2”, appears on the display.

The radio has two FM selections, "FM1" and "FM2". You can preset any desired six stations in each selection. When you preset an FM station, check which selection you have used.

2. Tune in the desired station. (See "(b) Selecting a station".)

3. Push one of the station selector buttons and hold it until a beep is heard. This sets the station to the button and the button number will appear on the display.

To change the preset station to a different one, follow the same procedure.

The preset station will be cancelled when the power source is severed (battery disconnected, burnt fuse, etc.).

#### **(d) Adjusting the tone**

##### **Automatic tone adjustment**

Push the "EQ" button repeatedly until the desired frequency response pattern appears on the display. This function automatically controls the tone in accordance with the selected pattern.

To change the preset mode, adjust the manual tone control knobs as you like. (See the following "Manual tone adjustment".)

To memorize the setting you have selected, push the "EQ" button for 2 seconds until a beep is heard. To cancel the memory, push the "EQ" button for 10 seconds until the second beep is heard.

To cancel all the memory which you have set, push the "EQ" button for 20 seconds until the third beep is heard.

##### **Manual tone adjustment**

Before using the tone controls, push the "EQ" button repeatedly until your desired response pattern appears on the display.

To adjust a low-pitched tone, push the "BASS" knob (if pushed in) and turn it. At the time, the "BASS" display will change.

To adjust a middle-pitched tone, push the "MID BAL" knob (if pushed in) and turn it. At the time, the "MID" display will change.

To adjust a high-pitched tone, push the "TREB FADE" knob (if pushed in), and turn it. At the time, the "TREB" display will change.

##### **(e) Adjusting the sound balance**

To balance the sound between the right and left speakers, push the "MID BAL" knob (if pushed in), pull it fully out and turn it.

To balance the sound between the front and rear speakers, push the "TREB FADE" knob (if pushed in), pull it fully out and turn it.

#### **(f) Listening to the cassette tape**

1. Put the cassette into the slot, with the tape side to the right and lightly push it in. The tape player will grab the cassette and slide it into place to play it. If the radio or Compact Disc player is on when inserting the cassette, it will automatically turn off. If the cassette is already in the slot, push the "TAPE" button.

At this time, "PLAY" will appear on the display.

The tape player can also be turned on by pushing the "PWR VOL" knob if the tape player was playing when the system was turned off by pushing the knob.

When a metal or chrome equivalent tape is inserted, the player will automatically adapt to it and "MTL" will appear on the display.

2. If using a tape recorded with Dolby NR\*, push the button by the double-D symbol to select the Dolby B NR or Dolby C NR mode. The display will indicate which Dolby noise reduction system is operating.

The Dolby B NR mode reduces tape noise by about 10 dB. The Dolby C NR mode reduces tape noise by another 10 dB, or about 20 dB total. For best sound reproduction, select the same NR mode that was used to record the tape.

To play a tape recorded without Dolby NR\*, push the button until the Dolby NR indicator disappears.

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

3. Turn the "PWR VOL" knob to adjust the volume.
4. Select your program. (See "(g) Selecting a program".)
5. Adjust the tone and sound balance. (See "(d) Adjusting the tone" and "(e) Adjusting the sound balance".)
6. If desired, other functions may be used for your convenience. (See "(h) Other tape player functions".)
7. To eject the cassette, push the EJECT button. As this is done, the player will turn off. If the radio or Compact Disc player was on when the cassette tape was inserted, it will automatically turn on again.
8. To turn the player off, push the "PWR VOL" knob.

You can eject the cassette only once after the system is turned off.

### **(g) Selecting a program**

1. Push the "PROG" button to select a side to play. The tape operation indicator display shows you which side is being played.

The player will automatically reverse directions at the end of the tape to play the other side.

2. Have a desired program played using either of the following methods.

#### **Manual program selection**

Push the FAST FORWARD button to fast forward the tape. "FF" will appear on the display. Push the REWIND button to rewind the tape. "REW" will appear on the display.

To stop the tape while it is fast forwarding, push FAST FORWARD or "TAPE"; to stop the tape while it is rewinding, push REWIND or "TAPE". The tape will immediately begin to play.

**Automatic program selection:** Use for quick access to a desired program.

1. Push the TRACK UP/DOWN button on either side. "1.RR" or "1.FF" will appear on the display.

2. Repeat the push until the number indicates how many programs ahead of/behind the one currently being played you wish to listen to (include the program you are currently listening to when counting back previous programs).

The maximum number of settings is nine. The tenth push on the button will cancel the function and the skip feature will disappear on the display.

If the number you set exceeds the number of the programs remaining on the side currently being played, the tape will fast forward to the beginning of the other side (when fast forwarding) or rewind to the beginning of that side (when rewinding).

This function does not work properly unless the blank portions on the tape have 3 seconds or more between one program and another.

### **(h) Other tape player functions**

**"RPT" button:** Use for automatic repeat of the program currently being listened to. Push the "RPT" button while the program is being played. As this is done, "RPT" will appear on the display. When the program is finished, the tape will automatically be rewound to the beginning of the program and the program will be played again. To cancel it, push the button once again.

This function does not work properly unless the blank portions on the tape have 3 seconds or more between one program and another.

**“SKIP” button:** Use for automatic skipping of blank portions between programs. Push the “SKIP” button. “SKIP” appears on the display. The player will automatically skip any blank portions of 15 seconds or more and play the next program, even if it is on the other side. To cancel it, push the button once again.

**“SCAN” button:** Use for program-to-program scanning.

Push the “SCAN” button. With “SCAN” on the display, each program will be played for 12 seconds and scan to the next. To continue listening to the program of your choice, simply push the “SCAN” button once again.

The player will automatically reverse directions at the end of the tape and keep scanning.

**“R·M” button (radio monitor system):** Use for automatic station reception.

Push the “R·M” button. “R·M” appears on the display. In this mode, if you push the REWIND or FAST FORWARD button when listening to the tape, the system will change the radio mode and automatically receive the last station which was set. At the time, the received station condition appears on the display.

The system will be cancelled out when the power source is severed (battery disconnected, burnt fuse etc.).

#### **(i) Listening to the Compact Disc**

This Compact Disc player does not need to use an adaptor for 8 cm (3.2 in.) Discs. Do not use an adaptor when listening to 8 cm (3.2 in.) Discs, which cause tracking errors or interfere with Disc ejection.

1. Put the Compact Disc into the slot, with the label side up and lightly push it in. The Disc player will grab the Disc and slide it into place to play it from the track 1 program. As this is done, the “DISC” light will come on. The track number will appear on the display.

If the Compact Disc is already in the slot, push the “CD” button.

The Compact Disc player can also be turned on by pushing the “PWR VOL” knob if the Compact Disc player was playing when the system was turned off by pushing the knob.

If the radio or cassette tape player is on when playing the Disc, it will automatically turn off.

If the Disc is inserted with the label side down, the Disc will automatically be ejected.

2. Turn the “PWR VOL” knob to adjust the volume.

3. Select your program. (See “(j) Selecting a program”.)

When the end of the Disc is reached, the player starts playing the track 1 program again.

4. Adjust the tone and sound balance. (See “(d) Adjusting the tone” and “(e) Adjusting the sound balance”.)

5. Push the EJECT button to eject the Disc. As this is done, the Compact Disc player will turn off. If the radio or cassette tape player was on when the Disc was inserted, it will automatically turn on again.

6. Push the “PWR VOL” knob to turn the Compact Disc player off.

You can eject the Disc only once after the system is turned off.

When ejecting a 8 cm (3.2 in.) Disc, do not put a 12 cm (4.7 in.) Disc into the slot until the "DISC" light goes off.

#### **(j) Selecting a program**

**Automatic program selection:** Use for direct access to a desired program.

Push the TRACK UP/DOWN button on either side and hold it until the desired program track number appears on the display. As you release the button, the player will start playing the selected program from the beginning.

#### **Manual program selection:**

Push either of the FAST FORWARD or REVERSE buttons and hold it to fast forward or reverse the Disc. Releasing the button starts the play from that position.

**Scan program selection:** Use for program-to-program scanning.

Push the "SCAN" button. With "SCAN" on the display, each program will be played for 10 seconds from the beginning and scan to the next. To continue listening to the program of your choice, simply push the "SCAN" button once again.

#### **(k) Other Compact Disc player functions**

**"RPT" button:** Use for automatic repeat of the program currently being listened to. Push the "RPT" button while the program is being played. As this is done, "RPT" will appear on the display. When the program is finished, the Disc will automatically return to the beginning of the program and the program will be played again. To cancel it, push the button once again.

**"RAND" button:** Use for automatic random selection of Disc programs.

If the "RAND" button is pushed while listening to Compact Disc, "RAND" will appear on the display and the player will endlessly repeat the programs selected at random. To continue listening to the program of your choice, simply push the "RAND" button once again.

#### **(l) Anti-theft system**

To deter theft of your radio unit, the system is designed so that the radio unit becomes inoperable if the unit is stolen from the vehicle.

The system is not preset at factory. You must input a three-digit identification number decided by you.

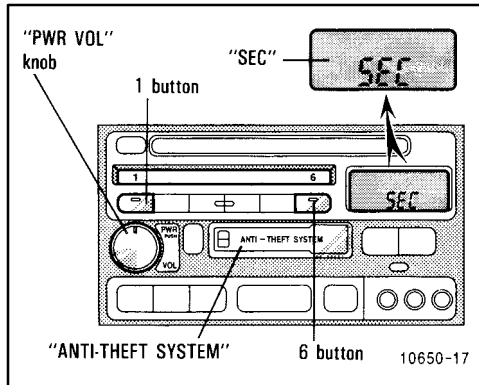
#### **NOTICE**

***If you pushed any wrong buttons on the anti-theft system, the following messages will appear on the display.***

◆ ***"Err"—You have pushed wrong buttons.***

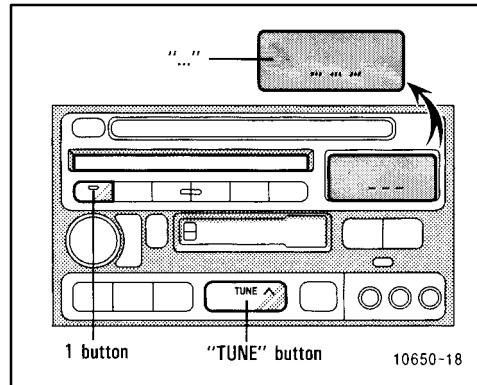
◆ ***"1-9"—Indicates the number of errors you have made. You may make up to nine errors, but no more!***

◆ ***"HELP"—The number of errors you can make was exceeded. The audio system is completely inoperable. Contact your Toyota dealer.***

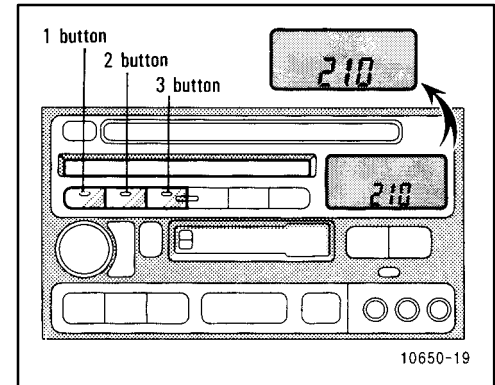


### Setting the anti-theft system

1. Make sure the radio unit is turned off with the ignition switch in "ACC".
2. While holding the 1 and 6 buttons in, push and hold the "PWR VOL" knob in until "SEC" appears on the display.

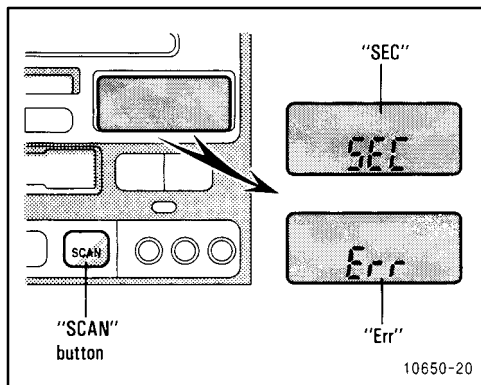


3. Press the 1 button while holding the right side of "TUNE" button in. "- - -" will appear on the display.



4. Input your identification number by pressing the 1, 2 and 3 buttons repeatedly. Use the 1 button for the first digit, the 2 button for the second digit and the 3 button for the last digit. For example, if your number is 210, press the 1 button three times, the 2 button twice and the 3 button once. If the display returns to "- - -" while inputting, try again.

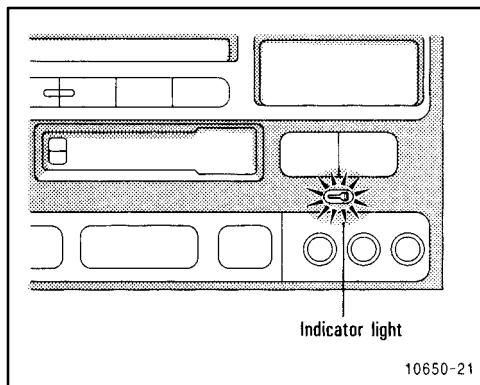
We recommend that your identification number be associated with something easy to remember. In case you are unsure of the number, write it in a notebook you normally carry. Do not leave it behind in your vehicle.



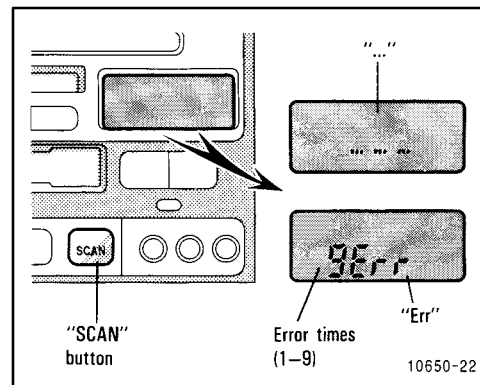
5. With your identification number appearing on the display, press the "SCAN" button and hold it in until "SEC" appears on the display. "SEC" will go off to indicate the system is set. If invalid buttons have been used, "Err" will appear on the display before "SEC" appears. Try again from the step 3.

Once the system is set, the indicator light turns on and off with the ignition switch in "OFF" and "SEC" will appear each time the key is turned to the "ACC" position.

To change the identification number for some reason, cancel the system (See "Cancelling the anti-theft system") and set it again with a new number.

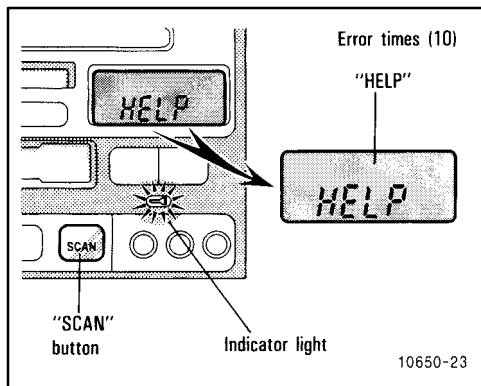


The system will be activated if the electrical power source is disconnected from the radio unit. When the system is activated, the audio system cannot be turned on even after the power supply resumes and "SEC" will appear on the display. If this happens, such as when the battery is discharged, see "If the anti-theft system is activated".



### Cancelling the anti-theft system

1. Follow the steps 1 to 4 described in "Setting the anti-theft system".
2. With your identification number appearing on the display, press the "SCAN" button and hold it in until "- - -" appears on the display. "- - -" will go off to indicate the system is cancelled. If invalid buttons have been used, "Err" will appear on the display and "SEC" appears. Try again from step 3 in "Setting the anti-theft system".

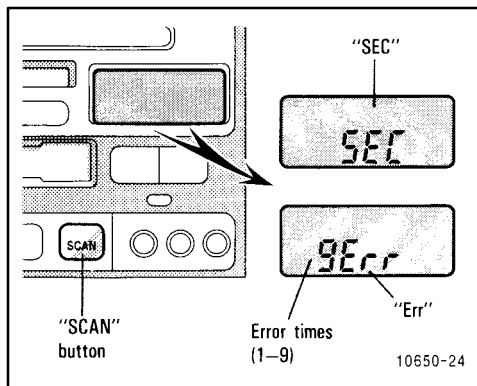


The figure with "Err" indicates how many errors you have made. You may make up to nine errors, but no more!

### NOTICE

***A tenth error will activate the anti-theft system and "HELP" will appear on the display. The audio system will be completely inoperable. At this time, the indicator light also comes on. If this occurs, contact your Toyota dealer.***

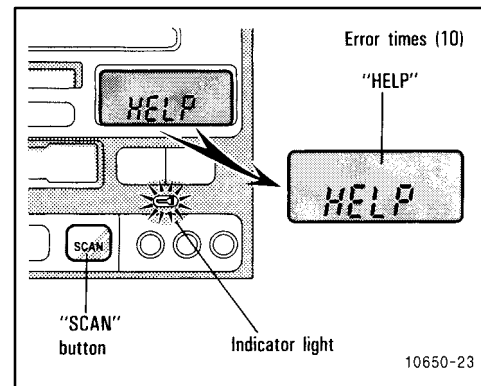
At the time of resale of your vehicle, cancel the system for the new owner.



### If the anti-theft system is activated

The audio system made inoperable by the activated anti-theft system will be operable if you give it the correct identification number.

1. Follow the steps 3 and 4 described in "Setting the anti-theft system".
2. With your identification number appearing on the display, press the "SCAN" button and hold it in until "SEC" appears on the display. "SEC" will go off to indicate that the system is reset and the audio system is operable. If invalid buttons have been used, "Err" will appear on the display before "SEC" appears. Try again from the beginning.



See "Cancelling the anti-theft system" for notes on the figure with "Err".