

# KENWOOD

FM/AM CD RECEIVER

# KDC-75R

# KDC-65R

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## INSTRUCTION MANUAL

KENWOOD CORPORATION



**Take the time to read through this instruction manual. Familiarity with installation and operation procedures will help you obtain the best performance from your new FM/AM CD receiver.**

### **For your records**

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your KENWOOD dealer for information or service on the product.

Model KDC-75R/65R Serial number \_\_\_\_\_

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# WARNING

## CAUTION

The use of optical instruments with this product will increase eye hazard.

## INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna
- Relocate this equipment with respect to the receiver
- Move this equipment away from the receiver
- Plug this equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio-TV Interference Problems".

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

- As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

## FCC WARNING:

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

## NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment may cause harmful interference to radio communications, if it is not installed and used in accordance with the instructions. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

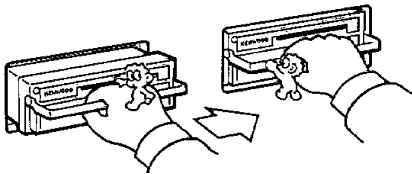
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

# **WARNING**

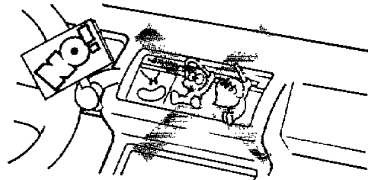
TO PREVENT ELECTRIC SHOCK, FIRE AND OTHER INJURY.

PLEASE NOTE THE FOLLOWINGS:

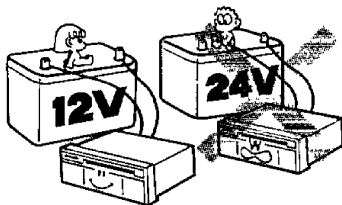
- Secure the locks on the detachable case.



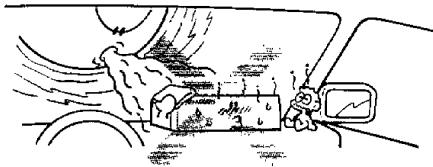
- Do not drop pieces of metal, needles, coins and other electrically conductive materials into the unit.



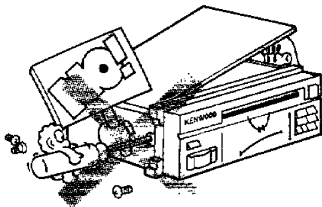
- The unit is designed to be connected 12 V DC and negative grounding.



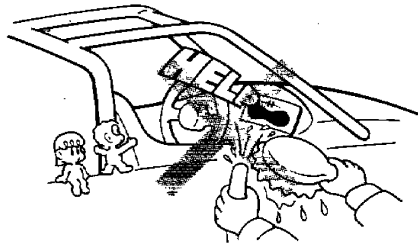
- Do not place the unit, where it will be exposed to direct sunlight or close to heating device.



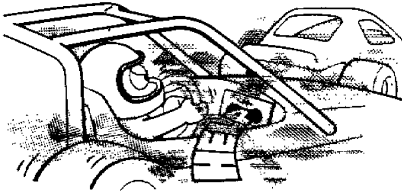
- Do not open enclosure, such as front panel, top or bottom cover.



- Do not dash water on the unit.

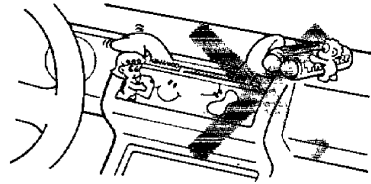


- Do not place the unit in areas of excessive dust, high humidity or on unstable surfaces.

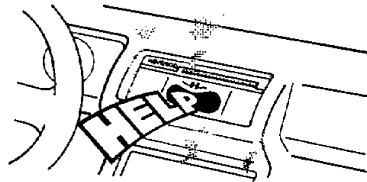


## CLEANING

1. Turn the power off, before cleaning the unit.
2. Do not use any type of abrasive pad, thinner, benzene and any such kind of objects.
3. Wipe the front panel and other exterior surfaces of the unit with a soft dry cloth or a soft cloth lightly moistened with a neutral detergent.



- If an abnormal smell or smoke is detected, immediately turn the power off.



- If you have difficulty in installing the set in your car, please contact your KENWOOD dealer.

# BEFORE USE

---

## Note on Operation

- The CD Player is designed to be connected to 12 V DC and negative grounding.
- Avoid mounting the CD Player where it is likely to be exposed to direct sunlight, hot air or water. Also, avoid mounting it where there is excessive vibration. Take care not to allow any metal objects or water to enter the interior of the CD Player.
- When you use the CD Player for the first time, or if you have replaced the battery, push the RESET button with the tip of a pencil or similar pointed object.
- If a disc is inserted violently, sometimes a protection circuit will function and stop the operation. Should the protection circuit function, turn the power switch OFF once and then turn it ON again.

## About Condensation

- When a disc or disc magazine is brought from a low-humidity place to a car where there is high humidity due to rain, etc., water vapor may condense on the disc. Or, when the main unit of the changer is installed under the dashboard, condensation may occur on the surface of the optical lens immediately after turning on the heater. If the CD player is operated in this condition, the laser pickup may not correctly read out the signal, or dropouts may occur occasionally. Thus, correct operation may not be obtained. In such cases, dehumidify the disc, or remove the disc magazine from the changer and leave it for about one hour, at which time correct operation will resume.  
If the CD player does not operate correctly after a long time interval, consult your dealer or nearest KENWOOD Service Station.

## About temperature

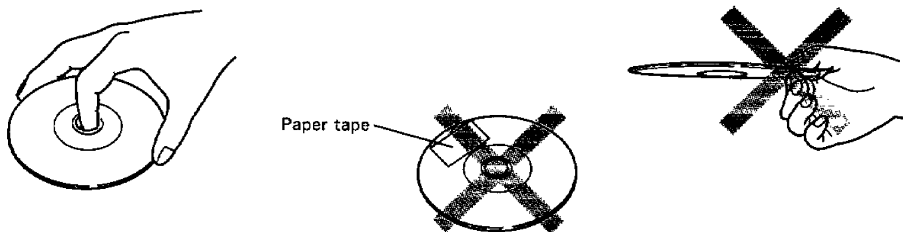
- When a car is exposed to sunlight with all the windows closed, the temperature inside will rise considerably. When it rises above 60 degrees C, a circuit that protects the interior will function, displaying "HOLD" and the compact disc may sometimes cease to operate. In such a case, the compact disc cannot be played back. At that time, operate the air-conditioner or open the window and drive for a while to decrease the room temperature. When the room temperature is lowered, the "HOLD" indicator automatically goes off and play starts automatically. If the compact disc cannot still be played back correctly, press the reset button.

## Handling of compact disc

- Stains, dust or scratches on the disc or warping of the disc will cause malfunction such as skipping. Handle the disc in the following manner so that you may enjoy the beautiful sound of the CD Player for a long time.

### <Handling the disc>

Hold the disc without touching the music storage area (glistening rainbow colors). Do not apply a paper tape to the label on the disc nor to the music storing area.

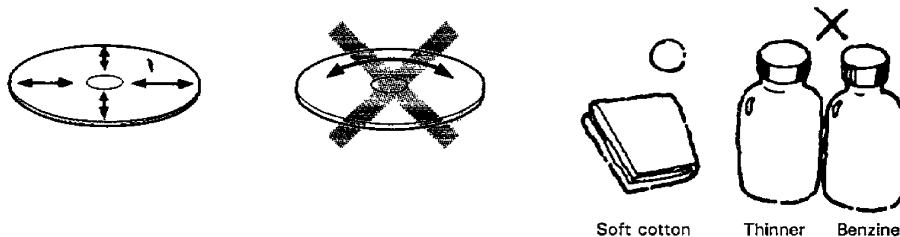


### <Storage of compact disc>

- Do not put the disc where it is exposed to direct sunlight, heat or humidity.
- Especially in summer, never leave the disc exposed to direct sunlight or placed on the seat or dashboard with the windows closed because the temperature will rise considerably and the disc will warp.
- When the player is not in use for an extended period of time, remove the disc magazine from the changer, and store it in a place which is not subject to high temperature or high humidity.  
Be sure to store the discs in their cases or in the magazine. Do not leave them outside of the case or magazine, or piled up, or leaning on a slant. This may cause scratches, dirt or warping.

### <Cleaning of compact disc>

If there are fingerprints or stains on the disc, remove them by lightly wiping it with soft cotton cloth from the center toward the outside edge. Never use thinner or benzene. Also, avoid using conventional record cleaner.



# POWER, VOLUME AND LOUDNESS

## POWER ON/OFF

Press the Power switch.  
(The power goes ON.)

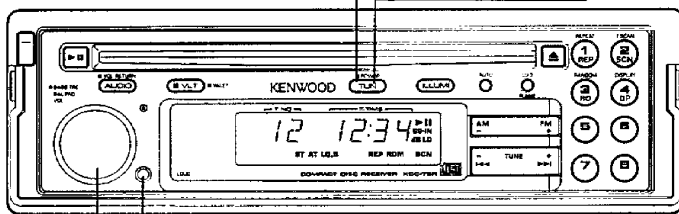
Press the Power switch for more than 1 second.  
(The power goes OFF.)

## ALL MODE STAND-BY

Tap the Power switch during tuner mode.

(The power remains in the ON condition and wait for operation of each mode state.)

OFF



## VOLUME

Turning this knob clockwise, increases the volume, and turning counterclockwise, decreases.

## LOUDNESS SWITCH

When listening at low volume levels, press this switch will activate the loudness circuit which will compensate for the human ear's decreased response.

01 12:34

ON



- Turning the power ON automatically turns this unit to a tuner mode.
- Tap the Power (Tuner) switch to change the play mode from disc play to tuner.
- Explain how to operate hereafter with the power ON.



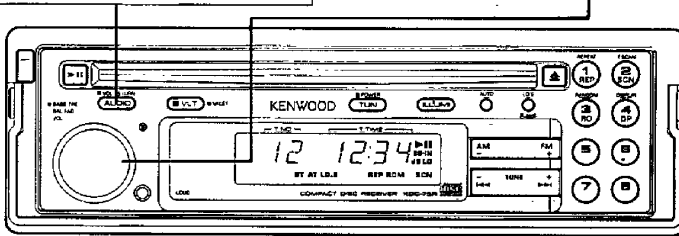
# AUDIO CONTROL

**1**

Tapping the Audio switch will enable the audio control. Unless it is tapped, Volume and it becomes possible to adjust in the order of Bass, Treble, Balance and Fader and back to Volume if tapped every time.

**2**

Adjustment will be made by the Audio controller respectively. For operations and display, refer to the following table.



Display	Operation of Volume controller	
	Turn counterclockwise	Turn clockwise
Adjust the Volume 	Volume decreases.	Volume increases.
Adjust the Bass response 	Bass decreases.	Bass increases.
Adjust the Treble response 	Treble decreases.	Treble increases.
Adjust the Balance of the right and left channels 	The left sound will be emphasized.	The right sound will be emphasized.
Adjust the Balance of the front and rear channels 	The front sound will be emphasized.	The rear sound will be emphasized.



- The player will return to volume control function when more than 5 seconds elapses after pressing the Audio switch or the Audio controller, or by pressing the Audio switch for more than 1 second.

# SEEK TUNING

**1**

Select the desired Band.

Press AM      Press FM1 or FM2

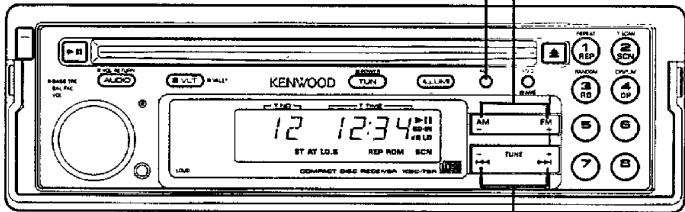
FM1      FM2

AM

**2**

Turn the Auto switch ON.

ON



**3**

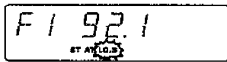
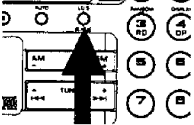
Press Seek switch.  
(Seek starts and receives a broadcast station.)

Down seek      Up Seek

Lit when stereo broadcast is received.

Indicates reception frequency.

<Local tuning>



ON

- If the Local switch is turned ON during SEEK TUNING and AUTO MEMORY, it will stop at stations only with satisfactory reception conditions.

# MANUAL TUNING

**1**

Select the desired Band.

Press AM      Press FM1 or FM2

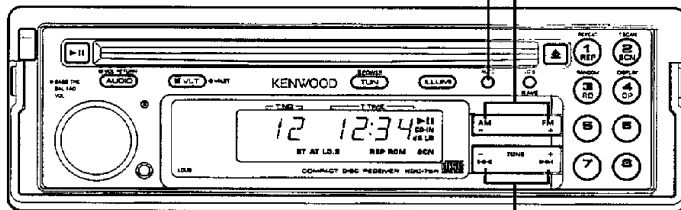
FM1      FM2

AM

**2**

Turn the Auto switch OFF.

OFF



**3**

Press to select the desired frequency.

For lower frequencies      For higher frequencies

(Continued pressing will change it continuously.)

**4**

Indicates the frequency being received.

Lit when stereo broadcast is received.

Indicates reception frequency

# PRESET STATION TUNING

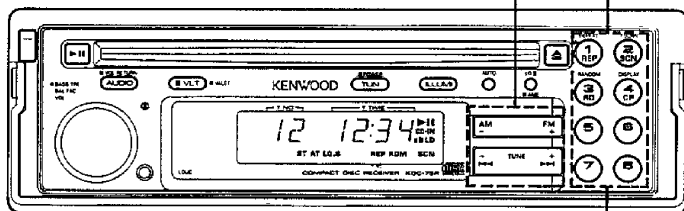
1

Selects the band and station you wish to preset.

2

Press the Preset station switch you wish to be kept preset for more than 2 seconds.  
(When it is preset, the number of switch pressed will be indicated.)

F1 92.1 8



3

By repeating operation of 1 - 2 above, one station can be memorized in one switch each at FM1, FM2 and AM.

4

If tapped, the preset station can be called out.  
(The number of switch pressed will be indicated.)

F1 92.1 8

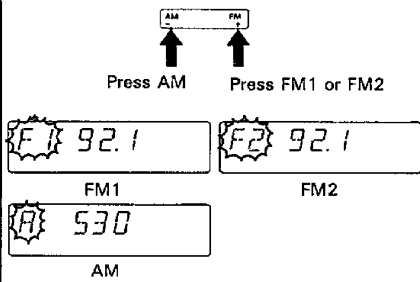


- If preset is to be made anew on the switch already preset, what was preset before will be replaced with what is to be preset.

# AUTO MEMORY

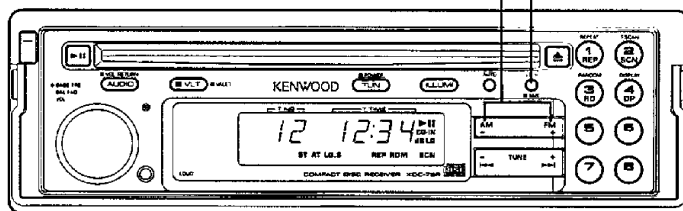
**1**

Select the desired band.



**2**

Press the Auto memory switch for more than 2 seconds



**3**

The selected band is automatically scanned and 8 stations are memorized. When 8 stations are memorized, the AUTO MEMORY function is automatically released.

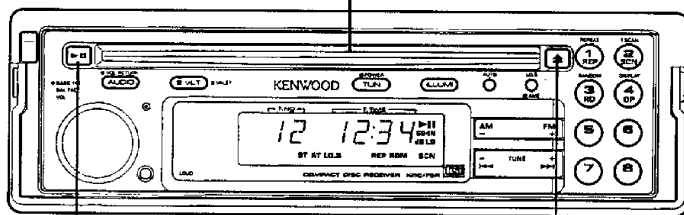
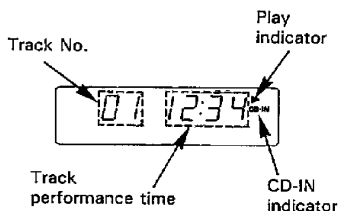
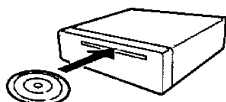
**4**

The station last stored in memory is received.

# COMPACT DISC PLAY

## COMPACT DISC PLAY

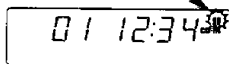
Insert a 12 cm CD and an 8 cm CD with the label sides up.  
(The disc will be drawn in, starting the CD-IN and Play indicator to light ON.)



## PAUSE

Press the Play/Pause switch.  
(Disc play is temporarily paused and Pause indicator lights up.)  
If you press the switch once more, the disc is replayed from the paused part.

Pause indicator



## EJECT

Press the Eject switch.  
(The disc will come out.)



- Automatic loading and play can be made if the Play/Pause switch is pressed in the eject condition. Furthermore, if more than 15 seconds elapse in the ejection condition, it will automatically load and stop.
- When a disc is already inserted, do not insert another disc into the inserting slot.

## AHEAD/BACKWARD


(at high speed)

Operation	Press
Ahead	+
Backward	-


The Ahead/Backward play is released as soon as the finger is removed from the switch.

## TIME DISPLAY

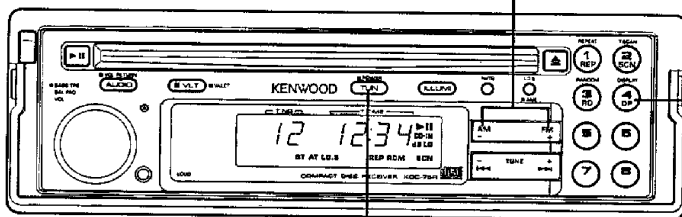
Press the Display switch.  
(Every time you press it, it switches over between the track performance time and the disc total time. When the total time is displayed, "+" will appear.)

02 01:23 

Track time performance display

02 +12:34 

Disc total time display



## LISTENING TO TUNER

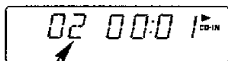
Tap the Tuner switch.  
(The unit enters Tuner mode.)

# TRACK SEARCH & TRACK SCAN

## ■ TRACK SEARCH

### BACKWARD TRACK SEARCH

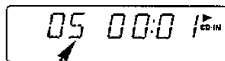
Press the ◀◀ switch successively until the Track No. display shows the desired track No.



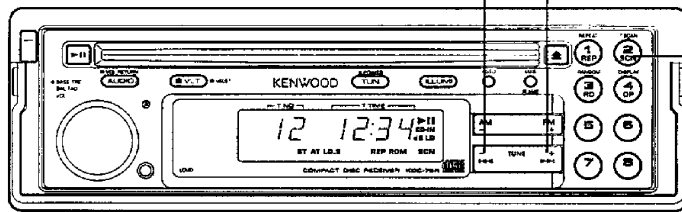
Track No. display

### FORWARD TRACK SEARCH

Press the ▶▶ switch successively until the Track No. display shows the desired track No.



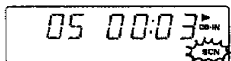
Track No. display



## ■ TRACK SCAN

**1**

Press the Track scan switch.  
(The first 10 seconds of all tracks in the CDs are played in sequence, starting the Scan indicator to light ON.)



ON

**2**

When the beginning of a desired track starts to be played, press the Track scan switch.  
(Track scan play is released and normal CD play starts.)

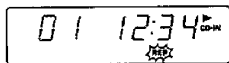


# REPEAT PLAY & RANDOM PLAY

## REPEAT PLAY

1

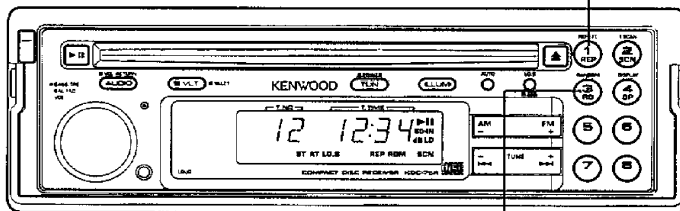
Press the Track repeat switch.  
(Repeat indicator light up.)



ON

2

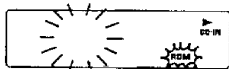
The track being played is played repeatedly.  
(To release, press the Track repeat switch again.)



## RANDOM PLAY

1

Press the Random switch.  
(Random indicator light up,  
changes the track number display  
one after another and selects the  
track.)



During Random Search

2

The tracks in the CD is played in a  
random order.  
(To release, press the Random  
switch again.)



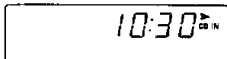
- Pressing the ►► switch during random play changes the track to the next random selection.

# CLOCK INDICATION AND CLOCK ADJUSTMENT

## <Functions of the KDC-65R>

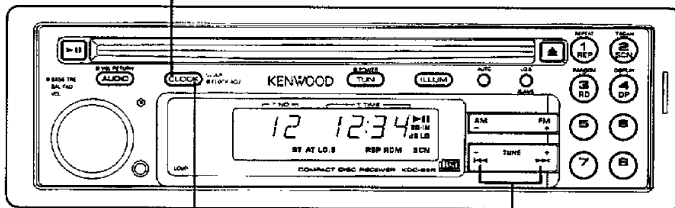
### ■ Display clock

Every time Clock switch is tapped, the indications change as follows:



Clock indication

Mode	Indications
Tuner	Received frequency ↔ Time
CD	Track number/Play time ↔ Time



### ■ Clock Adjustment

**1**

Keep on pressing Clock adjustment switch.  
(Then, make sure that clock indication is present.)

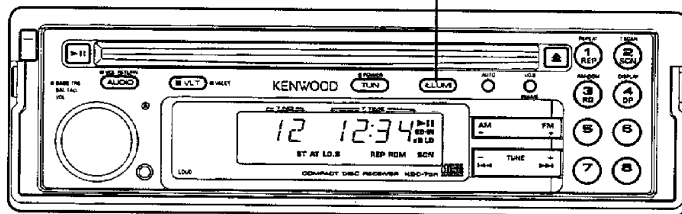
**2**

Adjust "Hour" with ◀◀ switch and "Minute" with ▶▶ switch while continuing the operation in 1.

# SELECTABLE ILLUMINATION

- Illuminations can be changed to fit the type of car or to suit your own taste.

Every time the Illumination switch is pressed, it will switch over between the colors of green and orange.



# CODE PROTECTION

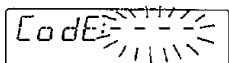
## <Functions of the KDC-75R>

- A code number can be registered to prevent misuse. It can be set so that the equipment will not operate until the code number registered at the time of Power OFF is re-entered at the time of Power ON.

### ■ Registration of code number.

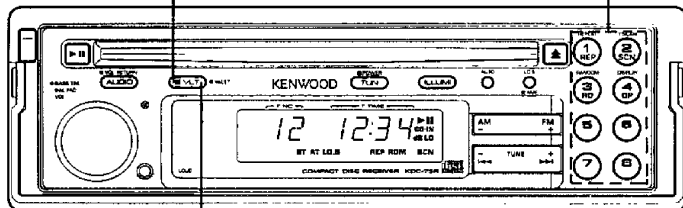
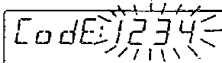
1

Press the Valet switch for more than 1 second.  
(- indicator flashes.)



2

A code number up to four digits can be entered with the Preset Station switch.  
(The number entered will be shown as a flashing display.)



3

Tap the Valet switch.  
(Power is turned OFF.)

### TO RELEASE

For cancellation of the code number, press the Valet switch for more than 1 second.  
(The player will return to the state it was in before code number registration.)

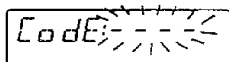


- When the Power switch is tapped in the Tuner mode, the "OFF" is displayed and the CODE PROTECTION is not possible. To carry out CODE PROTECTION, tap the Power switch again.

## ■ Turning the power ON.

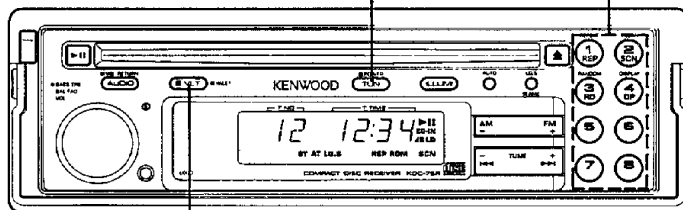
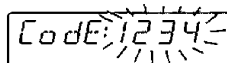
1

Press the Power switch.  
(- indicator flashes.)



2

Re-enter the code number using  
the Preset Station switch.  
(The number entered flashes.)



3

Press the Valet switch.  
(Power is turned ON.)



- If each operation is not performed within 10 seconds of pressing the Power switch, the power will be automatically turned OFF.

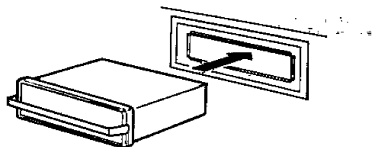
# INSERTION/REMOVAL OF UNIT

## <Functions of the KDC-75R>

### ■ Insert the unit

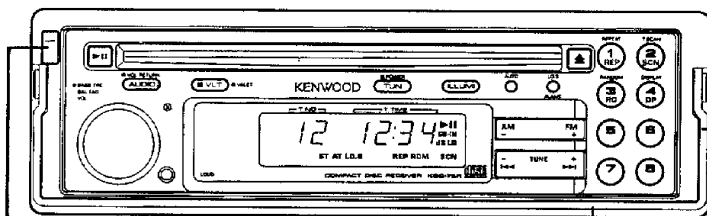
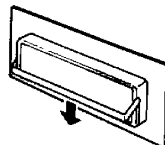
1

Insert the unit into the detachable case.



2

Lower the handle down to the bottom.



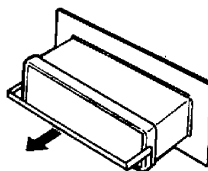
### ■ Remove the unit

1

Press the T.P.C. button.  
Lift the handle.  
(The handle lock is released and  
power is OFF.)

2

Hold the handle and pull it out.



- This unit is precisely designed. While transporting the unit, do not apply shock. Doing so may damage the unit.

# CHANNEL SPACE SELECTION

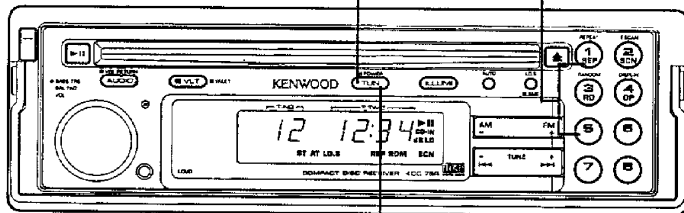
- The KDC-75R/65R has a channel space select function.  
Two spacing frequencies are available for both FM and AM, 200 kHz or 50 kHz for FM, and 10 kHz or 9 kHz for AM.

**1**

Turn the power OFF.

**2**

Keep on pressing the Preset station switch of "1" and "5"



**3**

Turn ON the power while engaged in the operation of 2.  
(Channel space will turn to 50 kHz for FM and 9 kHz for AM.)

**4**

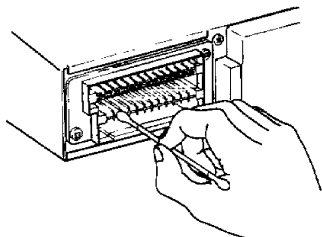
To bring it back the home position, carry out operations of 1-3 again.  
(Channel space returns to 200 kHz for FM and 10 kHz for AM.)



- When the channel space is changed, the memorized contents are erased.
- The channel space selection is not used in United States or Canada.

# CARE AND MAINTENANCE

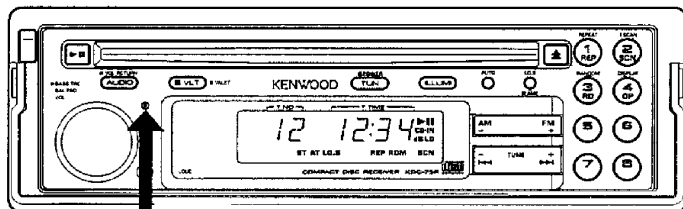
## CAUTION:



The connection at the rear sometimes will require cleaning. Periodically wipe the connector with a cloth moistened with alcohol as shown at left.

- **If your set malfunctions**

If your set malfunctions or operates abnormally, first press the Reset button. If the malfunction persists, leave the set as it is and please call your KENWOOD dealer.



Reset button



# INSTALLATION

## ■ INSTALLATION

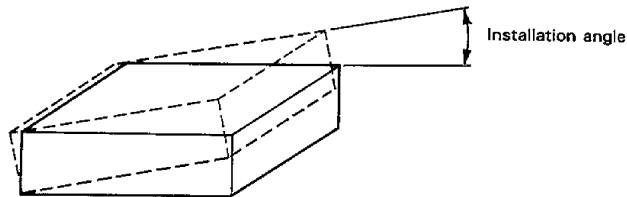
1. Before installation and wiring, remove the  $\ominus$  terminal of the battery to prevent short-circuiting.
2. Connect the input and output cords of the system.
3. Connect the ground to the metal chassis of the car.
4. Connect the memory back-up lead (yellow).
5. Connect the power supply lead (red).
6. Install the set and after confirming the installation and wirings are correct, connect the  $\ominus$  terminal of the battery.
7. After installation, surely press the Reset button.



- If a fuse is blown, first check that the associated wires are not short-circuited then replace the fuse with a new one having the same capacity.
  - Secure unconnected wires properly so that they do not contact the vehicle chassis.
  - Do not remove the caps attached to the unused terminals.
- As the unit uses BTL output, always connect the without stripe speaker wires to the  $\ominus$  terminals of the speaker systems. Never let the  $\ominus$  speaker wires touch and never connect them to the chassis (ground). Do not let the speaker terminals come into contact with the chassis (ground). Insulate any unused output wire to prevent a short circuit.

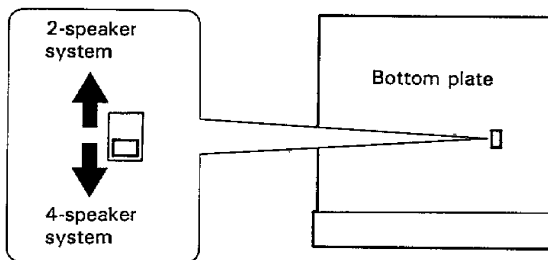
## ■ INSTALLATION ANGLE

This unit should be installed with an angle of less than  $30^\circ$  from the horizontal surface.



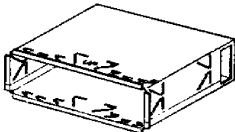
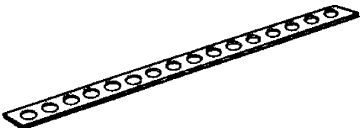




## ■ SPEAKER OUTPUT SELECTOR SWITCH

Set the selector switch on the bottom plate according the speaker system used.

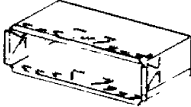
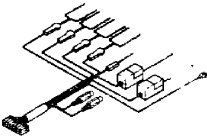







# ACCESSORIES

## ■ KDC-75R

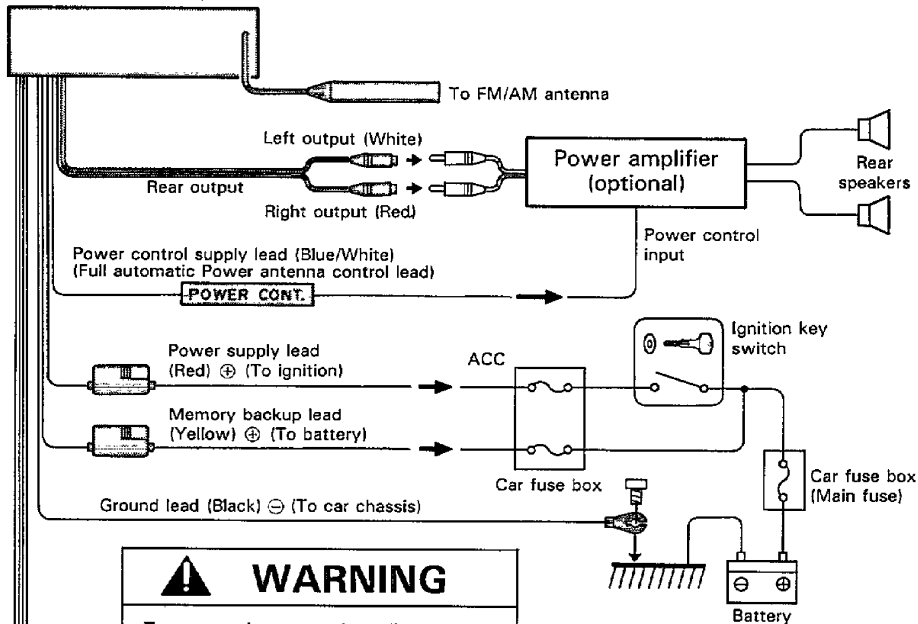
No.	Part name	External View	Number of units
①	Detachable case		1
②	Metal mounting strap		1
③	Hex. Bolt (M5 × 20)		1
④	Hex. nut (M5)		2
⑤	Stepped screw (M3 × 15.8 – 8.8)		2
⑥	Stepped screw (M3 × 9.8 – 5.8)		2

## ■ KDC-65R

No.	Part name	External View	Number of units
①	Mounting sleeve		1
②	Power connection cord		1
③	Removal bracket		1
④	Hex. Bolt (M5 × 20)		1
⑤	TP screw (M5 × 5)		4
⑥	TP screw (M4 × 6)		1
⑦	Hex. nut (M5)		2

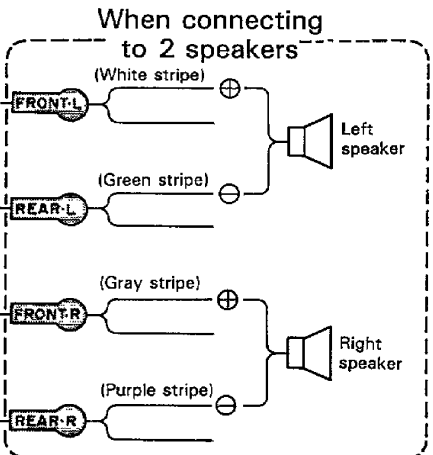
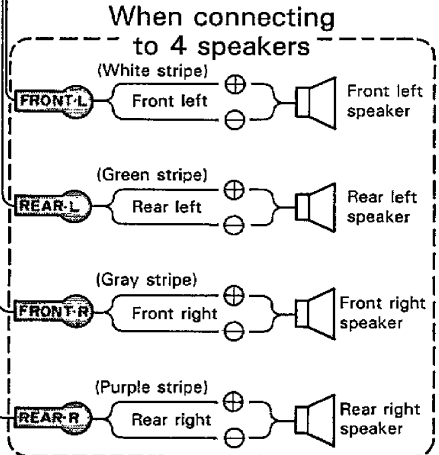
# CONNECTIONS

① Detachable case  
or KDC-65R rear panel



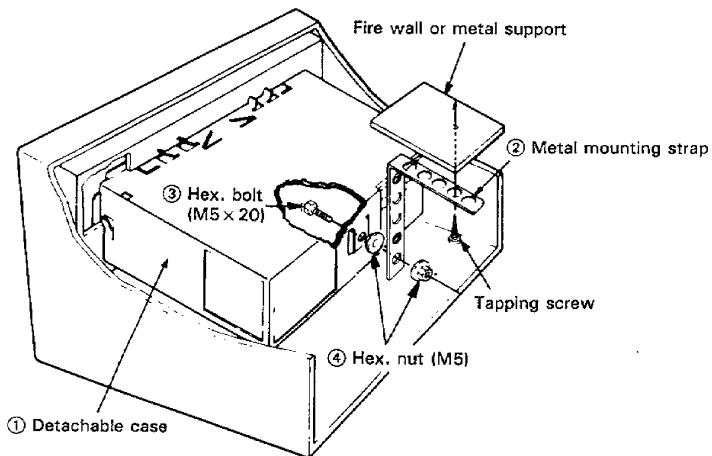
**⚠ WARNING**

To prevent damage to the radio or your automobile, please make sure that the back up (yellow) and the power supply (red) leads are connected through the car fuse box. This will be an added protection even though the radio is equipped with its own fuse.

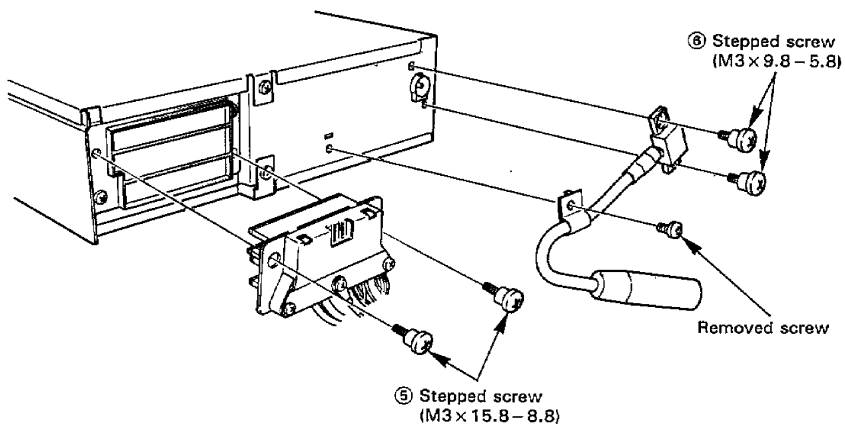


# INSTALLATION (KDC-75R)

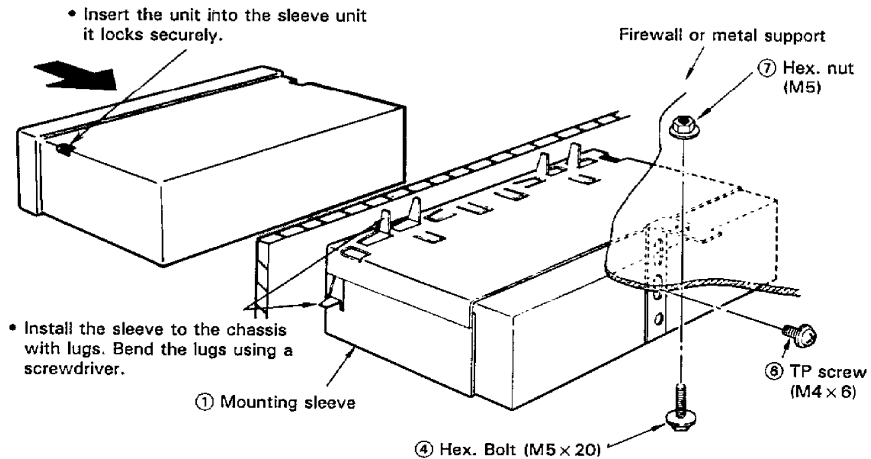
- Insert the Detachable case ① into the console and clamp with the claws. If the detachable case cannot be inserted, cut off the console with a file.



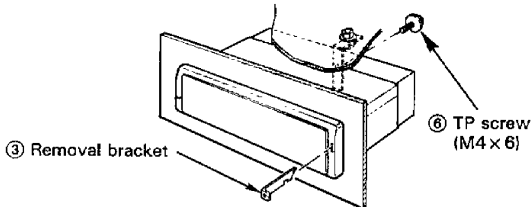
- Securely install the Detachable case ①. If the case is not installed correctly, the sound may be skipped.
- To install the unit without detachable case ①, disconnect the wireharness from the detachable case and connect the wireharness to the unit directly.



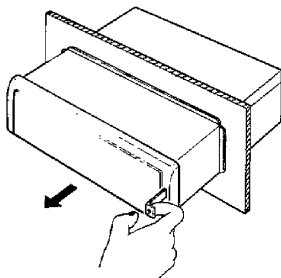
# INSTALLATION (KDC-65R)



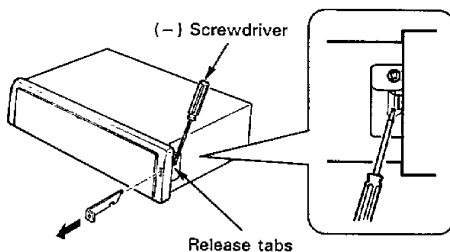
## [How to remove the KDC-65R]



1. Remove the ⑥ TP screw (M4 × 6) retaining the back panel of the KDC-65R. Then, insert ③ removal bracket into the hole.



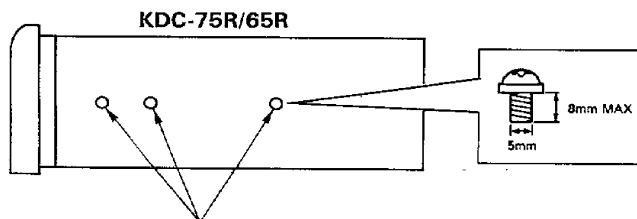
2. Pull out the ③ removal bracket by hooking the fingers simultaneously.



3. To release the ③ removal bracket, use a screwdriver to press down the release tabs on the side of the chassis and pull the removal brackets.

# INSTALLATION

- Tighten up the TP screw (M5) into the following three holes when installation is made for Japanese-made cars.



Installation holes for Japanese-made cars.

# TROUBLESHOOTING GUIDE

What often appears to be a malfunction is often due to user error in operation or connection. When trouble occurs with your unit, please check the following before calling for service.

Symptom	Cause	Remedy
<b>Compact disc cannot be inserted.</b>	A compact disc has already been inserted and you are trying to insert another disc.	Eject the previously inserted disc and insert another one.
<b>A disc is ejected immediately after being inserted.</b>	<ol style="list-style-type: none"> <li>1. The compact disc is inserted upside down.</li> <li>2. The compact disc is very dirty.</li> </ol>	<ol style="list-style-type: none"> <li>1. Insert the disc with the labeled side facing up.</li> <li>2. Clean the disc (refer to "Cleaning of compact disc").</li> </ol>
<b>Even when the required track is specified, the specified track is not played or the player does not function.</b>	The player is set to RANDOM PLAY.	Release RANDOM PLAY.
<b>Sound is skipped by vibrations.</b>	The compact disc is dirty or damaged.	If the sound skips even while the car is stationary, clean the compact disc (refer to "Cleaning of compact disc").
<b>The sound quality is poor due to noise during playback.</b>	<ol style="list-style-type: none"> <li>1. The compact disc is damaged or dirty.</li> <li>2. The sound recorded in the compact disc itself is poor.</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean the compact disc (refer to "Cleaning of compact disc").</li> <li>2. Try playing another compact disc. If its sound quality is good, the poor sound was due to the disc itself.</li> </ol>
<b>No sound one channel</b>	The balance/fader control is extremely rotated to one side.	Adjust the balance/fader control.
<b>Poor reception</b>	The antenna is not extended.	Extend the antenna.
<b>Operation switches do not function.</b>	Correct operation is not obtained due to a sudden change in the power voltage, etc.	Press the Reset button of the front panel.

# SPECIFICATIONS

Specifications subject to change without notice.

## Disc Section

Laser Diode	GaAlAs ( $\lambda = 780 \text{ nm}$ )
Digital Filter (D/A)	8 Times Over Sampling
D/A Converter	1 bit (With D.P.A.C)
Spindle Speed	500 ~ 200 rpm (CLV)
Wow & Flutter	Below Mesurable Limit
Frequency Response ( $\pm 1 \text{ dB}$ )	5 Hz ~ 20 kHz
Total Harmonic Distortion (1 kHz)	0.005%
Signal to Noise Ratio	96 dB
Dynamic Range	96 dB
Channel Separation	85 dB
Laser Diode Properties	
Material	GaAlAs
Wavelength	780 nm
Emission Duration	Continuous
Laser Output Power	Less than 44.6 $\mu\text{W}$

\* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.

## FM Tuner Section

Frequency Range (200 kHz space)	87.9 MHz ~ 107.9 MHz
( 50 kHz space)	87.5 MHz ~ 108.0 MHz
Usable Sensitivity	12.0 dBf (1.1 $\mu\text{V}/75 \Omega$ )
50 dB Quieting Sensitivity	15.2 dBf (1.6 $\mu\text{V}/75 \Omega$ )
Frequency Response ( $\pm 1 \text{ dB}$ )	30 Hz ~ 15 kHz
Signal to Noise Ratio	73 dB
Selectivity	70 dB
Capture Ratio	1.5 dB
Stereo Separation (1 kHz)	40 dB

## AM Tuner Section

Frequency Range (10 kHz space)	530 kHz ~ 1,700 kHz
( 9 kHz space)	531 kHz ~ 1,611 kHz
Usable Sensitivity	27 dB $\mu$

## Audio Section

Max. Power Output	15 W $\times$ 2 or 5 W $\times$ 4
Power Output (4 $\Omega$ , 30 Hz ~ 20 kHz, 1% THD)	10 W $\times$ 2 or 3 W $\times$ 4
Tone Action	Bass: 100 Hz $\pm$ 8 dB Treble: 10 kHz $\pm$ 8 dB
Preout Level	1.0 V

## General

Operating Voltage	14.4 V (11 ~ 16 V)
Current Consumption	5.0 A
Operating Temperature	-10 ~ 50 $^{\circ}\text{C}$
Installation Size (W $\times$ H $\times$ D)	180 $\times$ 50 $\times$ 170 mm (7-1/16 $\times$ 1-15/16 $\times$ 6-11/16 in.)
Weight	KDC-75R: 2.1 kg (4.6 lb) KDC-65R: 1.3 kg (2.9 lb)