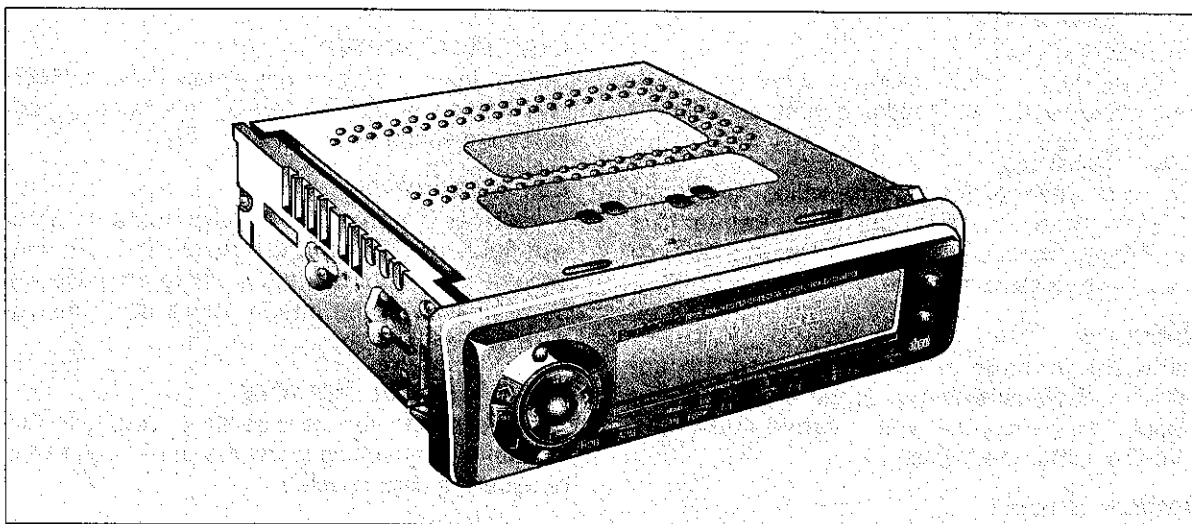# Operating Instructions
操作説明書

[CQ-DP975EW]
Removable Full Front High-Power CD Play/Receiver with Changer Control
全活門式高效率卡式鐳射唱機／收音機及ＣＤ轉換控制器

CQ-DP975EW

Panasonic®
松下电器
Before operating this set, please read these instructions completely.
操作本機之前，請熟讀這些説明書。

Contents

*Panasonic welcomes you to their constantly growing family of electronic products owners.
We endeavor to give you the advantages of precise electronic and mechanical engineering,
manufacturing with carefully selected components, and assembly by people who are proud of the
reputation their work has produced for our company. We know this product will bring you many hours
of enjoyment, and after you discover the quality, value, and reliability we have built into it, you too will
be proud to be a member of our family.*

Precautions

Volume Level

For your driving safety, keep the volume level low enough to be aware of road and traffic conditions.

Car Washing

To avoid electrical short circuits which may cause fire or other damage, do not expose this equipment (including the speakers and CDs) to water or excessive moisture.

Service

This unit is made of precision parts. Do not attempt to disassemble or adjust any parts. For repair, please consult your nearest authorized Panasonic Service Center.

Power Supply

This equipment is designed to be used in a car having 12-Volt negative ground battery system.

Disc Mechanism

Do not insert coins or any small objects. Keep screwdrivers and other metallic objects away from the disc mechanism and disc.

Car Ventilation

If your car is parked for several hours in direct sun-light, the temperature inside the car may become very high. It is advisable to drive the car for a while until the interior cools down before switching the unit on.
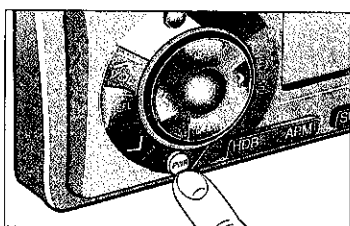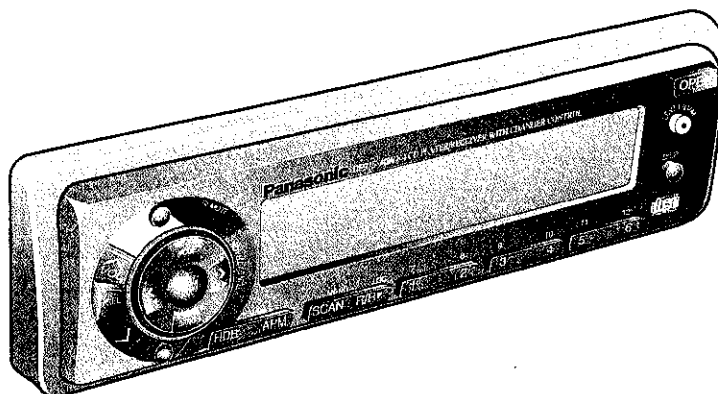
About Preset Memory

The preset memory is cleared to return to the original factory setting when the power connector or battery is disconnected.

For Installation

Unit should be installed in a horizontal position with the front end up at a convenient angle, but not more than 30°.

Power and Sound Controls

Power

If the car is not already running, turn the key in the ignition until the accessory indicator lights.
Press PWR to switch on the power.
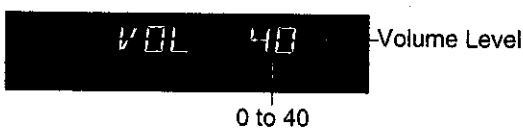Press PWR again to switch off the power.
Note: When power is switched on for the first time, greeting words display. To cancel this display, press "D" button once.
When a CD is inserted with all power connected, the unit power will automatically turn on and CD loading begins and plays.
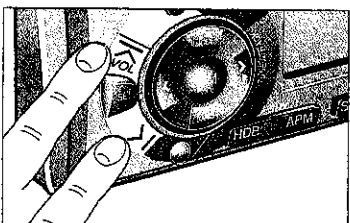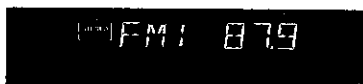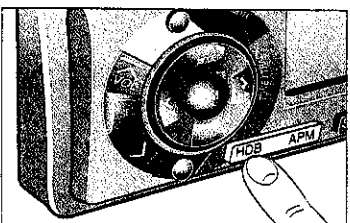
FM1 87.9

Volume

Press "VOL⋀" or "⋁VOL" to increase or decrease volume.

VOL 40   Volume Level

0 to 40

Press "VOL⋀" or "⋁VOL" for more than a half second to change sequentially numeric levels on the display.

## S•HDB (Super High Definition Bass)

Especially for rock music, the bass-sound will be more powerful.
• Press HDB to be able to listen to high-definition bass.
• Press HDB again to return to the normal tone.

S•HDB

Note: This unit is equipped with an anti-volume-blast circuit which serves as an automatic volume level adjuster so that you will not be deafened sudden loud volume.
This system operates as follows. When PWR is switched on, the volume level is low. After that, the volume level gradually returns to its previous level prior to switching off the unit.
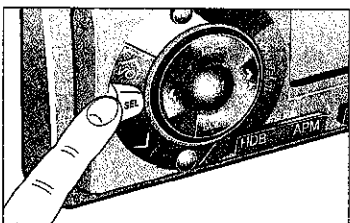
4

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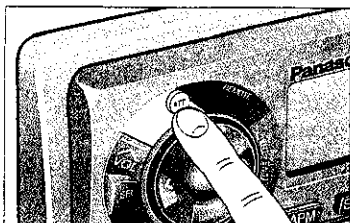
Attenuator

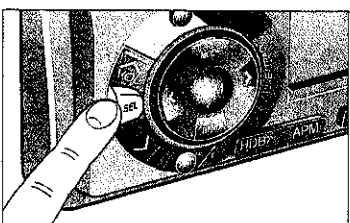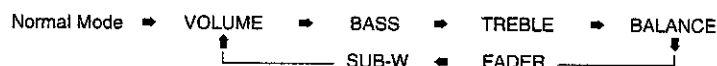• Press ATT to decrease volume to about 1/10 of the previous level.

• Press ATT again to cancel.

Changing Audio Modes

Press SEL to switch the audio mode in the following order.

Normal Mode ➡ VOLUME ➡ BASS ➡ TREBLE ➡ BALANCE
                ⬆
          └──── SUB-W ◀ FADER ──────┘

Bass and Treble

Press SEL to select the BASS (TREBLE) mode. Press "VOL∧" or "∨VOL" to increase or decrease the bass (treble) response.

-12 to +12   -12 to +12
• Press "VOL∧" or "∨VOL" for more than a half second to change numeric levels on the display rapidly.

Balance

Press SEL to select the BALANCE mode. Press "VOL∧" or "∨VOL" to shift the sound volume to the right or left speakers.

1 to 15   Balance Center   1 to 15

• Press "VOL∧" or "∨VOL" for more than a half second to change numeric levels on the display rapidly.

Fader

Press SEL to select the FADER mode. Press "VOL∧" or "∨VOL" to shift the sound volume to the front or rear speakers.

1 to 15   Fader Center   1 to 15

• Press "VOL∧" or "∨VOL" for more than a half second to change numeric levels on the display rapidly.

Note: When an Audio control mode (BAS/TRE/BAL/FAD/SUB) is selected but no operation is made within 5 seconds(2 seconds at VOL mode), the display will return to the normal operation mode. In such a case, press SEL again to select the control mode.

Power and Sound Controls continued
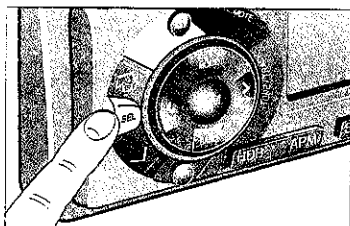
Sub-woofer Volume

• Press SEL to select the Sub-woofer Volume mode.
• When Sub-Woofer is activated, press "VOL∧" or "∨VOL" to increase or decrease the Sub-Woofer Volume level.
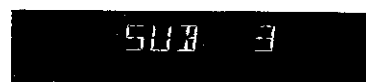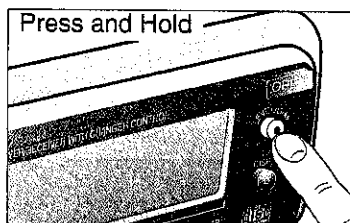

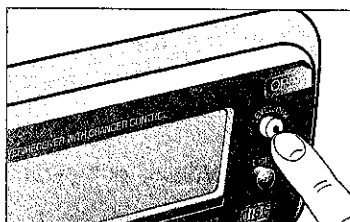Sub-Woofer Volume Level   MUTE (0) to 8

Level Meter

When power is ON, the level of sound sources, such as radio and CD, is displayed.

Display Controls

Dimmer Switching

Press and hold DIMMER for more than 2 seconds to change the brightness of the LCD from one level to another in a cycle of 3 levels as follows:

Dimmer 1 → Dimmer 2 → Dimmer 3
(Bright)   (Medium)   (Dark)

Level Meter Display Switching

Press DIMMER to change the Level Meter display from one level to another in a total of 6 kinds display mode.

LEVEL DISPLAY 1 → LEVEL DISPLAY 2 → LEVEL DISPLAY 3 → LEVEL DISPLAY 4
LEVEL DISPLAY 6 ← LEVEL DISPLAY 5 ←
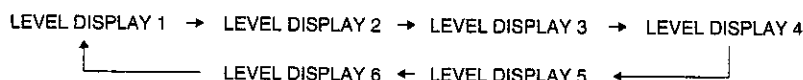
LEVEL DISPLAY 1	LEVEL DISPLAY 2
LEVEL DISPLAY 3	LEVEL DISPLAY 4
LEVEL DISPLAY 5	LEVEL DISPLAY 6

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Radio Basics
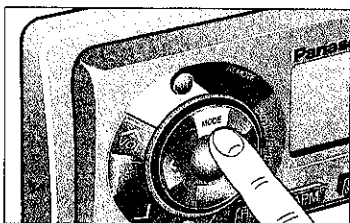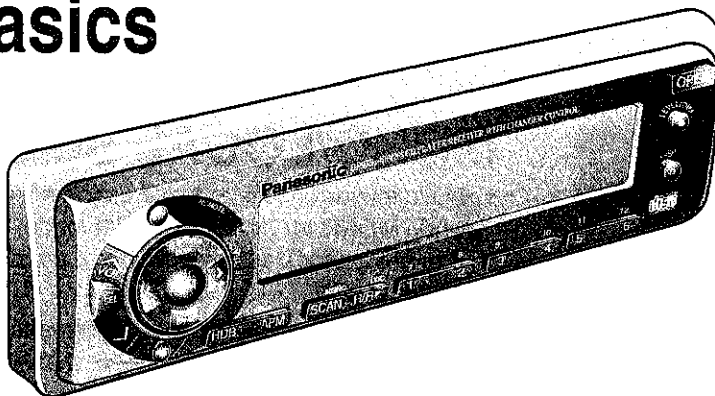
To change Tuner Mode

Press MODE to switch the operation mode in the following order.

Tuner ➡ CD player ➡ CD Changer Control
⬆ (When a disc is inserted) ⬇ (When a CD changer is connected)

`[≡] FM1    87.9`
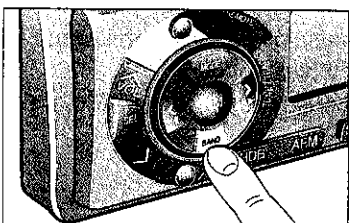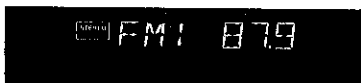
Selecting a Band

Press BAND to select the bands in the following order.
"STEREO" indicator lights if the station is broadcasting in stereo.

FM1 ➡ FM2 ➡ FM3 ➡ AM
⬆_____⬇
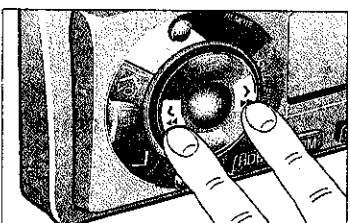
Manual Tuning

Press "TUNE>" or "<TUNE" to move to a higher or lower frequency.

`[≡] FM1    87.9`

Seek Tuning

Hold and Release

Press and hold "TUNE>" or "<TUNE" for more than a half second, then release. The radio automatically stops on the next station.

MONO/LOCAL Selection

- Much interference is reduced during a weak FM stereo broadcasts when MONO is ON. (Only for FM mode)
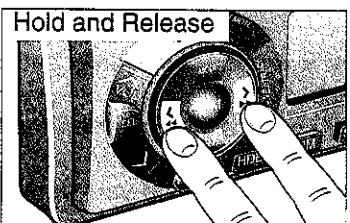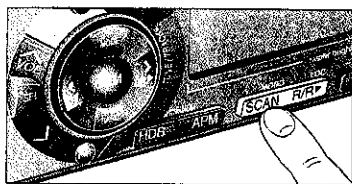- Searching stops automatically at a strong signal station only when LOCAL is ON

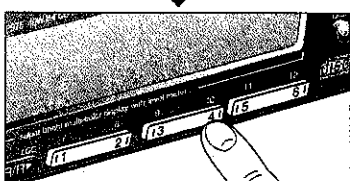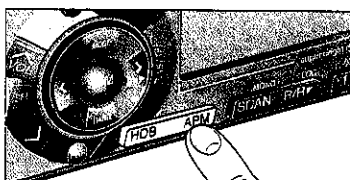Press MONO to switch between stereo and MONO mode as follows.

MONO OFF ◄───► MONO ON

Press LOCAL to switch on or off the LOC mode as follows.

LOCAL OFF ◄───► LOCAL ON

Preset Station Setting

Up to 24 stations can be preset in the station memory as follows;

FM1	FM2	FM3	AM
6 stations	6 stations	6 stations	6 stations

①

②

Press and Hold

③
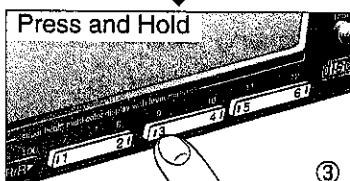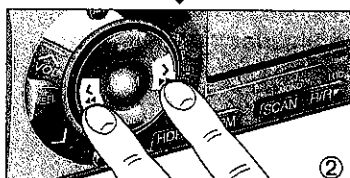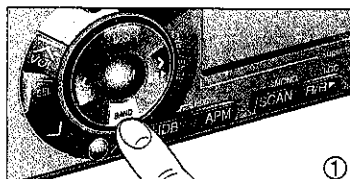
Manual Station Preset

① Press BAND to select a desired band.

② Use manual or seek tuning to find a station that you want to program into memory.

③ Press and hold one of the station selector buttons 1 through 6 for more than 2 seconds until the display blinks.

Repeat the process to set other stations for the FM1 to AM bands.
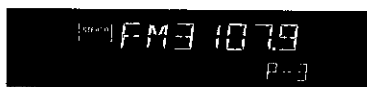
Note: You can change the memory setting by repeating the above procedure.

Tuning in a Preset Station

Press any of the buttons 1 through 6 to tune in the station preset by the above steps ① to ③.

Auto Station Preset

Select a band, press APM.

- The 6 strongest available stations will be automatically set in memory on preset buttons 1 through 6.
- Once set, the preset stations are sequentially scanned for 5 seconds each.
- Press the appropriate preset button for the station you want to hear.

Caution: For safety reasons, do not attempt to program while driving.

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Compact Disc Player Basics
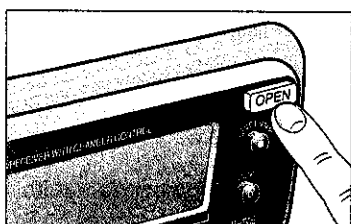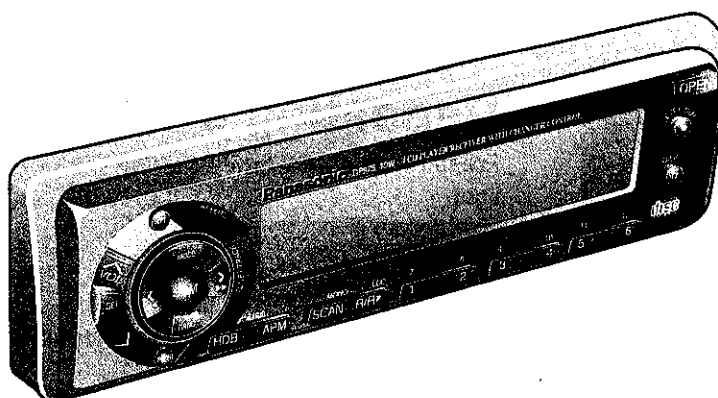
Loading a Disc

① Press OPEN to open the front panel.
② Insert the disc.
③ Close the front panel by hand.

Notes:
* When you insert a disc and the mode is switched to the CD mode, ATT will be automatically enabled.
* ATT will be automatically disabled when you close the front panel.
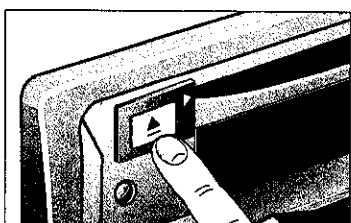
Ejecting the Disc

Press OPEN to open the front panel. Press ▲ to eject the disc for removal, and close the front panel by hand, the previous mode of operation will be resumed.

Notes:
* The disc should always be removed from the unit when not in use.
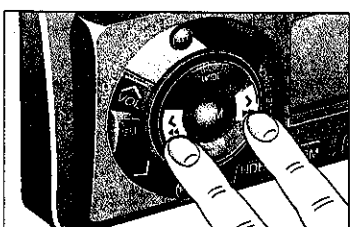
Selecting a Track

* Press "TRACK►►" once to go to the next track. Press repeatedly to step forward through all the tracks.
* Press "◄◄TRACK" once to play from the beginning of the track you are listening to. Press twice to play the previous track. Press repeatedly to step backward through all the tracks.
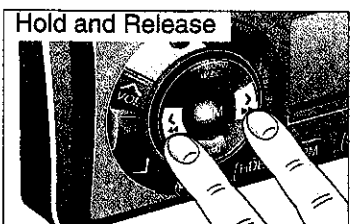
Searching a Track

* Press and hold "TRACK►►" or " ◄◄TRACK" for more than a half second to activate fast forward or reverse through a track.
* Release "TRACK►►" or "◄◄ TRACK" to resume the normal CD play from that position.
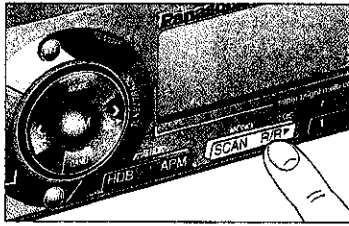
Repeating a Track

Press R/R ► to repeat the current selection. "REPEAT" indicator will light.

□2 25 ′00 REPEAT
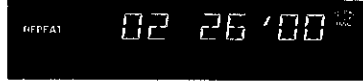
The current selection will continue to repeat until you press R/R ► again.
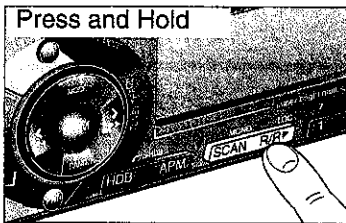
Random Selection

Press and hold R/R ► for more than 2 seconds. "RANDOM" indicator will light. A random selection of music is played from all available tracks.

□4   1′23 RANDOM
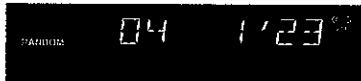
To turn it off, press and hold R/R ► for more than 2 seconds again.
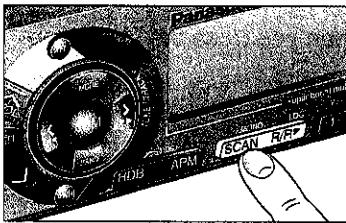
Scanning Tracks

Press SCAN. The display will blink and the first 10 seconds of each track on the discs play in order.

To stop scanning and continue with the current track, press SCAN · again.
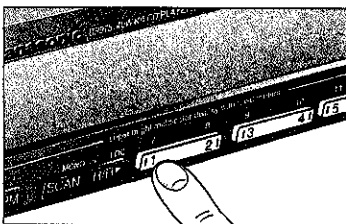
Selecting by Track Number (Direct track access)

• Press a number from "1" to "6" then the corresponding track will start.
• Press and hold a number from "7" to "12" ("1" to "6") for more than one second and the corresponding track will start.

Note: When POWER or ACC is off you can press ▲ to eject the disc.

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CD Changer Basics

Note:
CD changer functions are applicable to units with optional
CD changer unit. (sold separately)
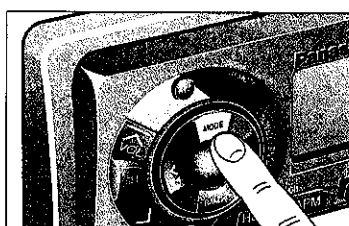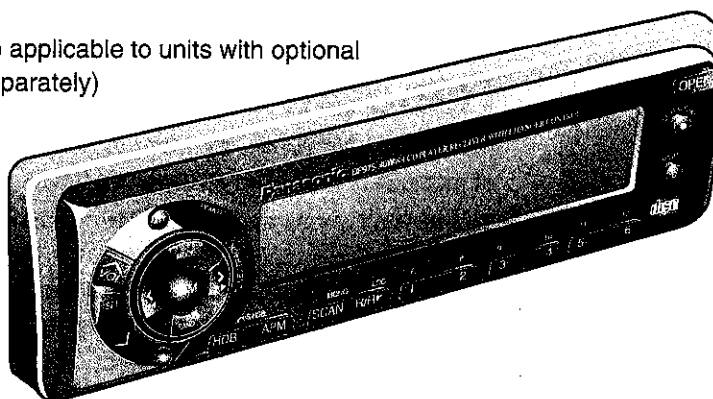
To start the CD Changer

While a disc magazine inserted in the CD Changer, press MODE to
play starts from first track.

```
CDC 3-01
```
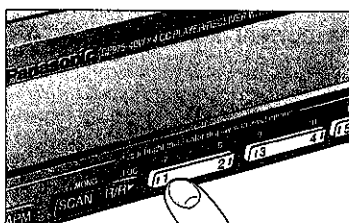
Selecting a Disc (Direct Disc access)

• Press a number from "1" to "6" then the corresponding disc will
start.
• Press and hold a number from "7" to "12" ("1" to "6") for more than
one second and the corresponding disc will start.
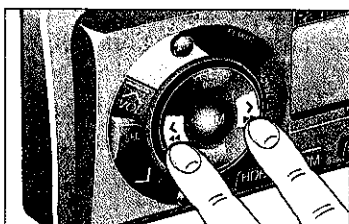
Selecting a Track

• Press "TRACK►►" once to go to the next track. Press repeatedly
to step forward through all the tracks.
• Press "◄◄TRACK" once to play from the beginning of the current
track. Press twice to play the previous track.
Press repeatedly to step backward through all the tracks.
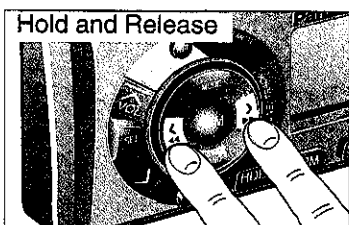
Searching a Track

• Press and hold "TRACK►►" or "◄◄TRACK" for more than a half
second to activate fast forward or reverse through a track.
• Release "TRACK►►" or "◄◄TRACK" to resume the normal CD
changer play from that position.

Hold and Release
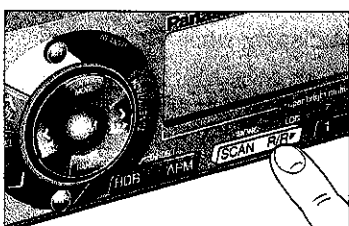
Repeating a Track

Press R/R► to repeat the current selection. "REPEAT" indicator will
light.

The current selection will continue to repeat until you press R/R►
again.
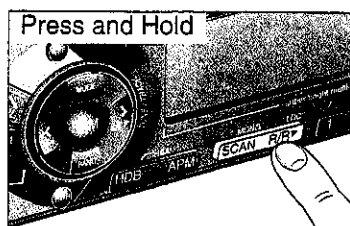
Press and Hold

Random Selection

Press and hold R/R► for more than 2 seconds. A random selection of music is played from all available tracks.

To turn it off, press and hold R/R► for more than 2 seconds again.
Note:
• If R/R► is pressed during random play, the track now in play automatically returns to beginning upon coming to the end plays back again. (Random repeat)
• When R/R► is pressed again, repeat play stops and returns to random play.
• Press and hold R/R► for more than 2 seconds again, random play stops.
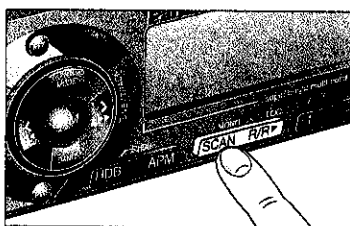
Scanning Tracks

Press SCAN. The display blinks and the first 10 seconds of each track on the discs play in order.
To stop scanning and continue with the current track, press SCAN again.
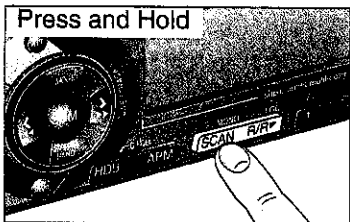
Press and Hold

Scanning Discs

Press and hold SCAN for more than 2 seconds. The 1st track of all the discs in the magazine is played for 10 seconds each.
To stop scanning and continue with the current track, press SCAN again.

Changing the Display

Press DISP for less than 2 seconds to switch the display in sequence in the following order.

(Upper Display)	Disk/Track Number		Track Play Time
(Lower Display)	No Display	→	No Display
	↑		↓
	Track Play Time		Disk/Track Number
	Clock	←	Clock
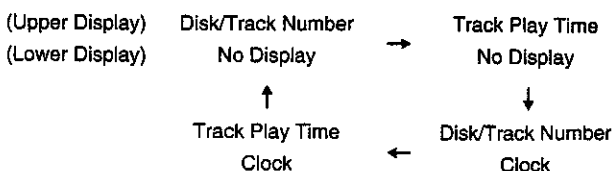
Note: You cannot change the current display while Random or Scan plays in CD or CD·C.

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Sound Design Memory
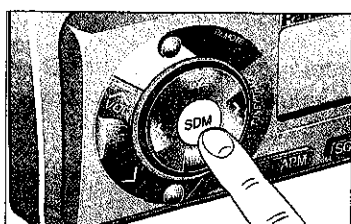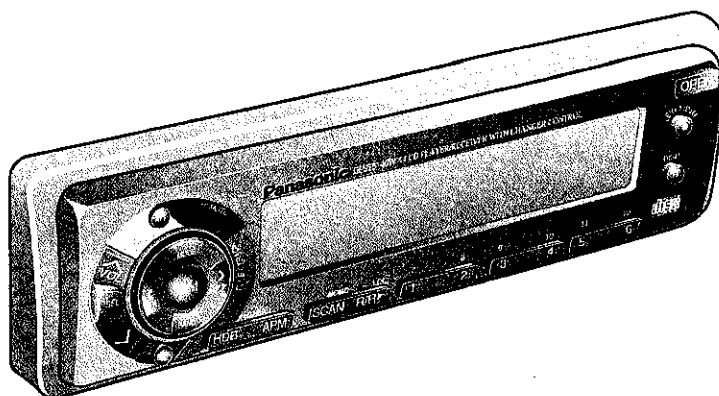
Sound Design Memory Mode

A desired sound setting (except for VOL and ATT) can be memorized and recalled.
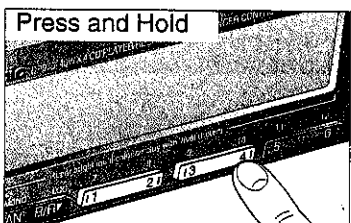
Sound Design Memory Input

Press and Hold

• Press SDM to select to the sound design memory mode.
• To preset sound setting, press the corresponding preset memory button (1 to 4) for more than 2 seconds in Sound Design Memory mode until the display blinks.

• The preset memory buttons 5 and 6 are not valid for set sound design memory. (call only)
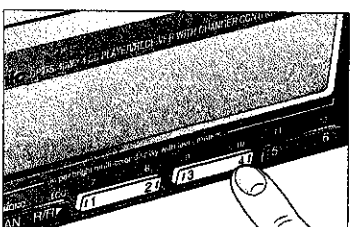
Recall Programmed Sound Design Memory

• When a desired preset memory button is pressed in sound memory mode, the corresponding sound setting is called.

—Preset number

• The preset memory button 5 is recommended for setting
• The preset memory button 6 is used to release all sound settings.

To change to normal mode

Press SDM or DISP to change to the normal mode.
Note: When the sound design memory mode is selected but no operation is made within 5 seconds, the mode will return to the normal mode.

CQ-DP975EW

13
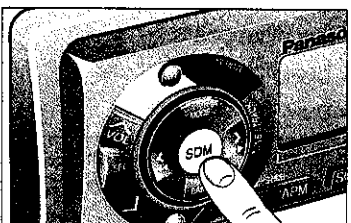
Clock Basics (The clock system is 12-hours.)
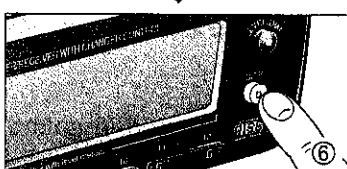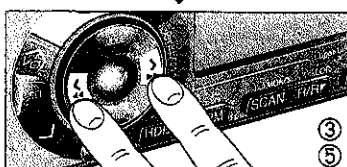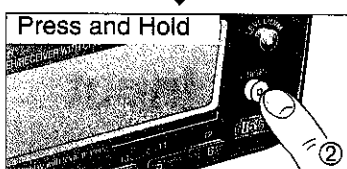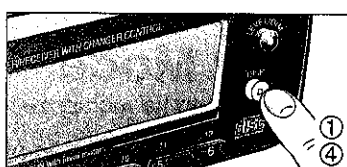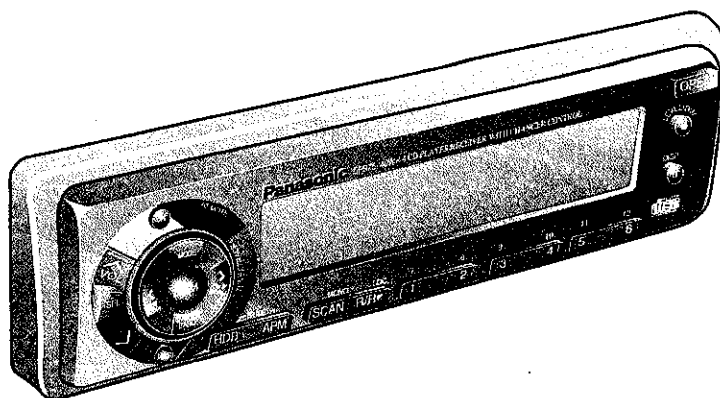
Initial Time Setting

The DISP key is inoperative while Random or Scan plays in CD or CD·C. To cancel Random or Scan plays before using the DISP key.

① Press DISP. "ADJ" is displayed.

② Press and hold DISP again for more than 2 seconds. "12" blinks indicating the time setting mode is activated.

③ To set hours, press "<TUNE" or "TUNE>" .

④ Press DISP again for minute setting.

⑤ To set minutes, press "<TUNE" or "TUNE>" .

Hold "<TUNE" or "TUNE>" to change numbers rapidly.
⑥ When you have set the time, press DISP.

Resetting the Time

When you want to reset the time, press and hold DISP for more than 2 seconds to activate the time setting mode. Then, repeat step ③ to ⑥ above.

Selecting the Clock Display

Press DISP for clock display.
Press DISP once again, and the clock display disappears.

| In Tuner Mode | Presets | ←→ Clock |
| In CD Mode | No Display (Clock Off) | ←→ Clock |

When power is turned off while the time is displayed, the clock mode remains on. When the PWR is pressed again, the system is completely off.

Note: Before you leave your car that has no ACC, be sure to switch power off.

Press and Hold

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Remote Control Unit Basics

Battery Replacement (Remote Control Unit)

1. Remove the battery holder.
   Pull the holder by the Position B while pushing Position A in the direction indicated by the arrow.
2. Replace the battery.
   Set a new battery properly with the (+) side up as illustrated.
3. Insert the battery holder.
   Push in the holder to the full.
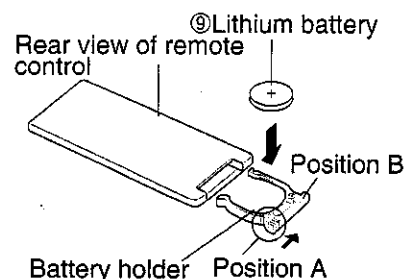
Notes on Batteries

Old batteries must immediately be removed and disposed.

⑨Lithium battery
Rear view of remote control

Position B

Battery holder   Position A

Battery Information:
* Designated Battery: Panasonic Lithium Battery (CR2025)
* Battery Life: 6 months with normal use (in normal room temperature)

> **Caution:**
> Improper use of batteries may cause overheating, explosion or ignition, resulting in injury or fire.
> Battery leakage may cause damage to the unit.

* Do not disassemble or short the batteries. Do not throw the batteries into the fire.
* To avoid the risk of accident, keep the batteries out of reach of children.
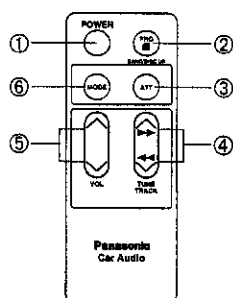
①Power Button
②BAND/DISC UP Button
③ATT Button
④TUNE/TRACK Button
⑤Volume Control Button
⑥Mode Button

Please refer Battery Replacement before using remote control.

Operating Procedures

Aim the remote controller toward the sensor of the main unit.

General

Power
①POWER (Power Button)
Press POWER to switch on the power.
Press POWER again to switch off the power.

Mode Selection
⑥MODE (Mode Button)
Press MODE to switch the operation mode in the following order.

Radio ⟶ CD Player ⟶ (CD Changer Control)
↑_____

Attenuator
③ATT (ATT Button)
* Press ATT to immediately decrease volume to about 1/10 of its previous level.
* Press ATT again to cancel.

Volume
⑤∨VOL∧ (Volume Control Button)
Press "∧" or "∨" to increase or decrease volume level.

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Radio

Selecting a Band
②BAND (Band select Button)
Press BAND to select bands in sequence.
FM1 ⟶ FM2 ⟶ FM3 ⟶ AM

Manual Tuning
④∨TUNE∧ (Manual Tuning Button)
Press "∨" or "∧" to tune the frequency downward or upward.

Seek Tuning
④∨TUNE∧ (Seek Tuning Button)
Press and hold "∨" or "∧" for more than a half second, then release. The radio will automatically stop on the next station.

Compact Disc Player

(When a disc is inserted, playback starts.)

To starts CD Play
⑥MODE (MODE Button)
• Only when a disc is inserted, press to select CD play mode, and playback starts automatically.
• When connecting with the CD changer, press repeatedly to select the mode as follows.
Radio ⟶ CD Player ⟶ (CD Changer Control)

When a disc is inserted, the CD play starts automatically regardless what mode you are being listened.

Selecting a Track
④∨TRACK∧ (Track Select Button)
• Press "∧" once to go to the next track.
• Press "∨" once to play from the beginning of the currently played track.
• Press repeatedly to skip forward or backward through all the tracks.

Searching a Track
④∨TRACK∧ (Track Search Button)
• Press and hold "∨" or "∧" for more than a half second to activate fast forward or reverse through a track.
• Release to stop fast forward or reverse.

CD Changer Control

(In connection with the CD changer.)

Selecting a DISC
②DISC UP (Disc Select Button)
Press to sequentially advance to the next disc.

Selecting a Track
④∨TRACK∧ (Track Select Button)
Press "∧" once to go to the next track.
Press "∨" once to play from the beginning of the currently played track.
Press repeatedly to skip forward or backward through all the tracks.

Searching a Track
④∨TRACK∧ (Track Search Button)
• Press and hold "∨" or "∧" for more than a half second to activate fast forward or reverse through the disc.
• Release to stop fast forward or reverse.

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Installation Guide

Preparation:
• Before installation check the radio operation with antenna and speakers.
• Disconnect the cable from the negative (-) battery terminal (see caution below).

Caution:
For installation to cars with trip or navigational computer, all electronic memory settings previously registered in the computer will be lost when the battery terminal is disconnected. For this type of car, battery could not be disconnected. Therefore, extra care should be taken to prevent short circuitting.

In dash installation
Installation Opening
In-dash installation can be done if the car's dashboard has an opening for this unit as shown in Fig. 1.
The car's dashboard should have a thickness of 4.5mm-6mm in order to make the installation of the unit.

|← 182mm →| 53mm
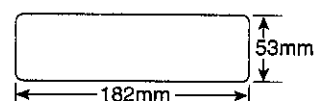
Fig. 1

Installation Precautions
This equipment, if possible, should be installed by a professional installer.
In case of difficulty, please consult your nearest authorized Panasonic Service Center.
1. This system is to be used only in a 12-volt, DC battery system (car) with negative ground.
2. Follow the electrical connection on page 22 carefully. Failure to do so may result in damage to the unit.
3. Connect the power lead after other connections are made.
4. Be sure to connect the YELLOW lead to positive terminal (+) of the battery to fuse block (BAT) terminal.
5. Insulate all exposed wires to prevent short circuitting.
6. Secure all loose wires after installing the unit.
7. Please carefully read the operating and installation instructions of the respective equipment before connecting it to this unit.

☐ Installation Hardware

No.	Item	Diagram	Qty	No.	Item	Diagram	Qty
①	Mounting Collar		1	⑥	Power Connector		1
②	Hex. Nut (5 mmϕ)		1	⑦	Removable Face Plate Case		1
③	Rear Support Strap		1	⑧	Remote Control Unit		1
④	Tapping Screw		1	⑨	Lithium battery		1
⑤	Mounting Bolt (5 mmϕ)		1	⑩	Trim Plate		1

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Installation Guide continued

☐ Installation Procedures

1. Secure the Mounting Collar ①.

Insert Mounting Collar ① into the car's dashboard, and bend mounting tabs out with a screwdriver.

① Mounting Coller

Dashboard

Mounting Tab

Screwdriver

Lock Lever

Make sure that the lock lever is flush with the mounting collar (not projecting outward).
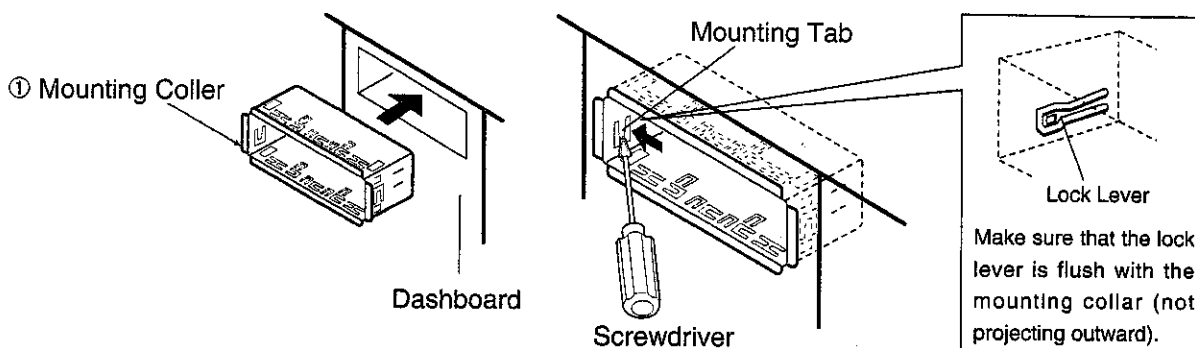
2. Secure the rear of the unit

a) Check the electrical connection by referring to this operating instructions.
b) Connect the Mounting Bolt ⑤, using a suitable wrench.
c) Insert the unit into Mounting Collar ① and push it in unit "click" is heard.

Unit

⑤ Mounting Bolt
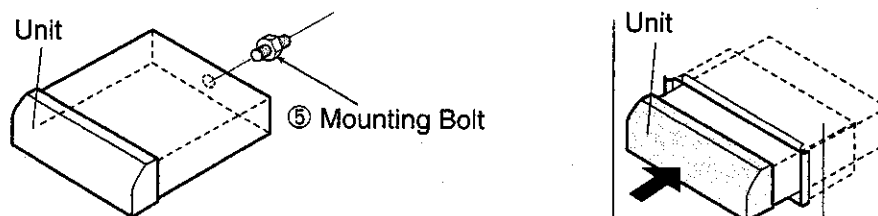
Unit

d) Secure the rear of the unit to the car by either of the two recommended methods.

■ Using the Rear Support Strap ③

Affix one end of the Rear Support Strap ③ to the rear of the unit, and the other end to the Fire Wall of Car, or some other metallic area.

■ Using the Rubber Cushion (Optional)

(If there is an existing Rear Support Bracket on the Fire Wall of Car.)
Cover Mounting Bolt ⑤ on the rear of the unit with Rubber Cushion (Optional), and mount it into the existing Rear Support Bracket.

Fire Wall of Car

④ Tapping Screw

3mmφ

② Hex. Nut

③ Rear Support Strap

⑤ Mounting Bolt

① Mounting Collar

Rear Support Bracket (existing on the car)

Rubber Cushion (Optional)

⑤ Mounting Bolt

① Mounting Collar

CQ-DP975EW
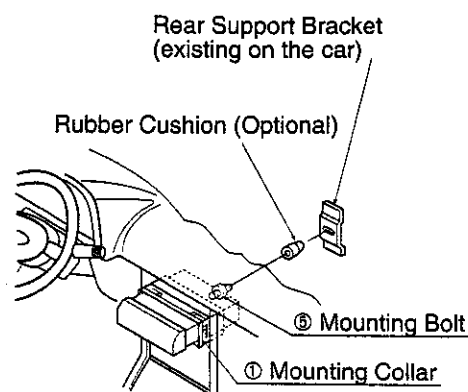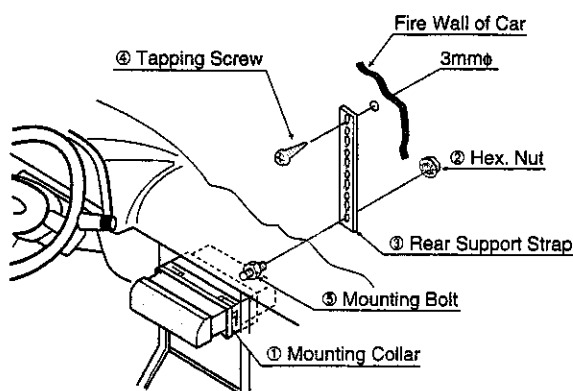
3. a) Plug the Power Connector ⑥.
b) Install the Trim plate ⑩ .

⑩ Trim Plate

⑥ Power
Connector
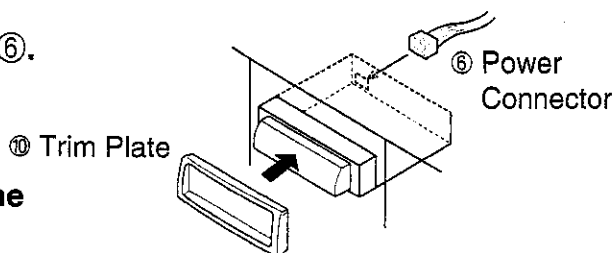
4. After installation reconnect the negative (–) battery terminal.

To Remove the Unit
a) Remove the trim plate with a screwdriver as shown in the figure.

Trim plate
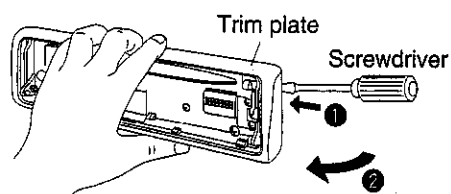
Screwdriver

b) Pull out the unit while pushing two lock levers using screwdriver in the following order.(Fig.1, 2)
c) Remove the unit pulling with both hands.(Fig.3)

Fig. 1

Lock Lever

Dismounting Plate

Fig. 2

Fig. 3

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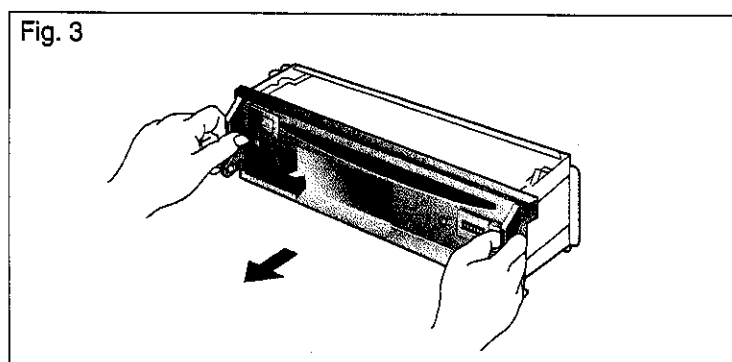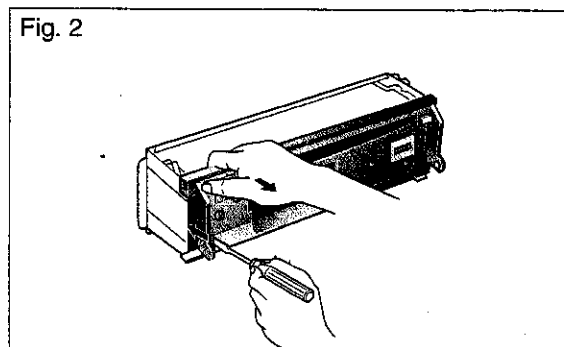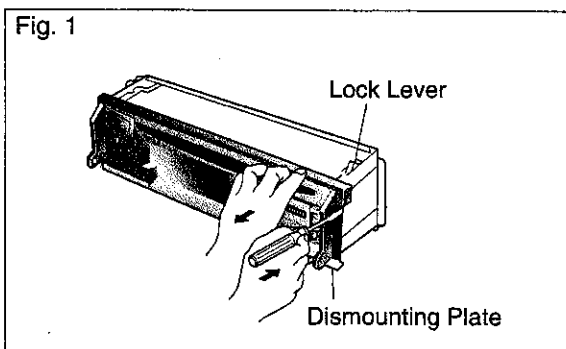
Installation Guide continued

Anti-Theft System

This unit is equipped with a removable face plate. By removing this face plate, the radio becomes totally inoperable. The security indicator will blink.

To Remove the Removable Face Plate

① Switch off the power.
② Press the OPEN. The removable face plate will be opened.
③ Push the face plate to either the right or left, then pull it out foward yourself.

Press

②Pull out

①Push

Fig. 1

Contacts ———— Main Unit
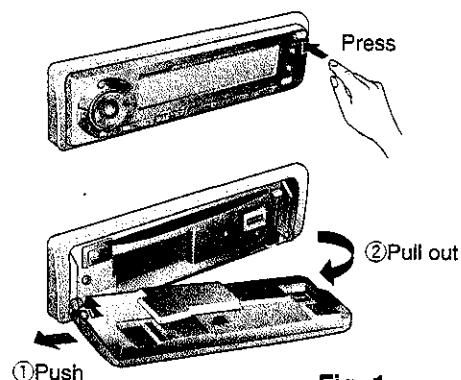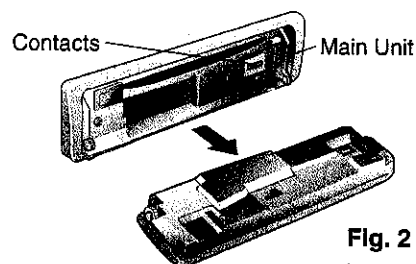
Fig. 2

Security Indicator

The security indicator blinks when the removable face plate is removed from the unit.

Activate Security Indicator

Press and hold SEL for more than 2 seconds when the power is ON. "LEd ON" is displayed, and the security indicator turns ON.

Display			Security Indicator
LEd	Disappears	ON	Blinks
↕			(Press and hold SEL for more than 2 seconds.)
LEd	Disappears	OFF	OFF

Caution:
When you want to remove the unit, the security indicator functions can be canceled by the following steps of procedure.
• Install the removable face plate.
• Disconnect the power connector.

CQ-DP975EW

④ As shown in Fig.3, gently push the lower side of the case and open its cover. Keep the romovable face plate in the case. Then, you can bring the plate safety.

⑦ Removable face plate case ❷Open

❶Push

Fig. 3
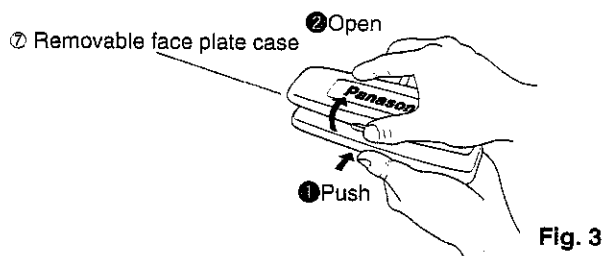
To install the Removable Face Plate
① Fit either of the right or left holes in the face plate over the main unit's pin, and fit it over on the other side while pushing it.

Fig. 4

Security Indicator
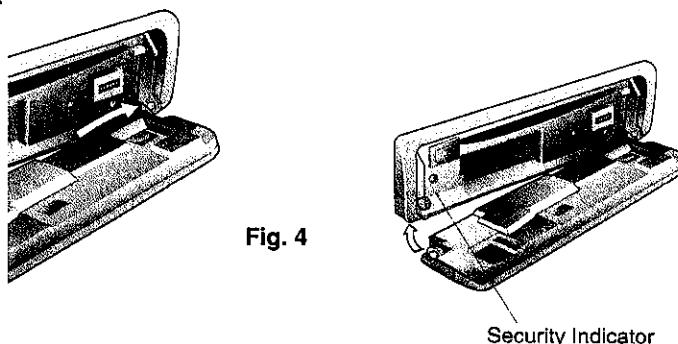
② After fitting the face plate holes, move the face plate up and down a few times to make sure that it has been fitted securely.

Contact

Fig. 5
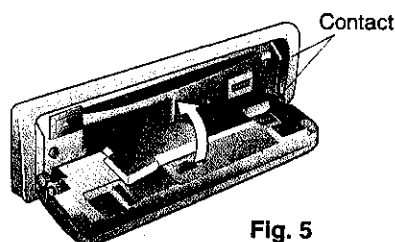
③ Close the front panel and press the face plate until "click" is heard.

Caution:
1. Before removing the removable face plate, make sure the power is off.
2. This removable face plate is not water-proof. Do not expose it to water or excessive moisture.
3. Do not remove the removable face plate, while driving your car.
4. Do not place the removable face plate on the dashboard or nearby areas where the temperature rises to high levels.
5. Do not touch the contacts on the removable face plate or on the main unit, since this may result in poor electrical contacts.
6. If dirt or other foreign substances get on the contacts, wipe them with a clean, dry cloth.
7. When the front panel is opened, do not force it down and do not put anything on it since these may result in damage to the unit.

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Electrical Connection

- This unit can be connected to an optional CD changer (CX-DP801EN). For details consult your nearest Panasonic dealers.
- For connection to a CD changer, refer to the operating instructions of the CD Changer (CX-DP801EN).

Caution:
- To prevent damage to the unit, be sure to follow the connection diagram below.
- Remove the covering of the leads about 5 mm long from their end before connecting.
- Do not insert the power connector into the unit until the wiring is completed.
- Be sure to insulate any exposed wires from a possible short-circuit from the car chassis. Bundle all cables and keep cable terminals free from touching any metal parts.

NOTE:RECOMMENDED EXTERNAL AMP COMBINATION (EXAMPLE)

Preamp out (rear/front) ➡ CY-M9054 (4 ch system)
Sub-Woofer out ➡ CY-M9054 (2 ch system)
or
CY-M7052 (1 ch system)

CX-DP801EN

Extension Cord
(DIN/BATT/RCA/GND)
Black — Ground lead
(To a clean, bare metallic part of your vehicle)

(Yellow)

Fuse (3A)

Be sure to connect to a well grounded metallic part of your car because noises or troubles may occur.

(White)

CD C-IN

(Red)

Black
(S-W-OUT)   **CQ-DP975EW**

(MONO)

White   Red
SUB-WOOFER OUT
CONNECTOR
ANTENNA

CD Changer
Control Connector

DIN Extension Cord

(Rear)   Black   (Front)   Black

White(L)   Red(R)   White(L)   Red(R)
PREAMP OUT   PREAMP OUT
CONNECTOR   CONNECTOR
(Rear)   (Front)

⑥ Power Connector

BATTERY   Yellow
Fuse (15A)

ACC   Red
Resistor(1kΩ)

Black

Dark Blue

SPEAKER LEAD

White w/Black Stripe   Gray w/Black Stripe

FRONT SP   REAR SP

Violet w/Black Stripe

White   Gray   Green w/Black   Green   Violet
Stripe

(−) (+)   (−) (+)   (−) (+)   (−) (+)

LEFT SPEAKER   RIGHT SPEAKER   LEFT SPEAKER   RIGHT SPEAKER
(FRONT)   (FRONT)   (REAR)   (REAR)

BATTERY LEAD (To Battery of Car)
Connect to the "BAT" terminal on the fuse block of the car.
The power should be supplied continueously to the yellow leads regardless of the on/off position of the ignition key.

POWER LEAD
Connect to the "radio" power line of the car or to the "IGN" or "ACC" terminal of the fuse block.

GROUND LEAD
Connect to a well grounded metallic part of your car.

MOTOR ANTENNA RELAY CONTROL LEAD
(To Motor Antenna) (Max. 100mA) This lead is not intended for use with switch actuated power antenna.
AMP.RELAY CONTROL POWER LEAD
This lead is for connection to Panasonic power amplifier.

Speaker Connections

CAUTION:
1. Use ungrounded speakers only.
2. The speakers to be used with this unit should be able to handle more than 40W of audio power. If an optional amplifier is used, the speakers should be able to handle the maximum output power of the amplifier. Use of speakers with small input ratings can cause damage to the speakers.
3. The speaker impedance should be 4-8 ohms. If the impedance is too large or too small, it affects the output and may cause damage to the speakers or this unit.
4. Do not use 3-wire type speaker system having a common earth lead. Never connect the speaker cord to the body of the car. This unit uses the BTCL circuit, so each speaker should be connected separately using parallel vinyl insulated cords.
5. The speaker cords and the power amplifier unit should be kept away (about 30cm apart) form the antenna and antenna extension cord.
6. Follow the connection diagram below carefully. Failure to do so may cause damage to both unit and speakers.

• **Unit will be damaged if speakers (Front, Rear) are not connected properly.**
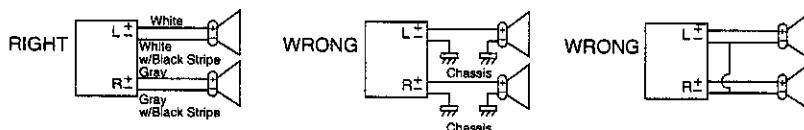
• **Do not connect more than one speaker to one set of speaker leads.**
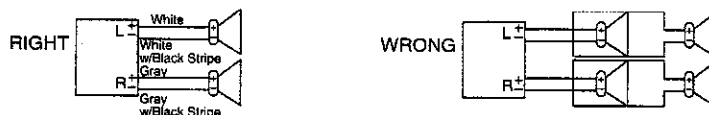
2-SPEAKER SYSTEM
Use only front or rear speaker leads. Do not connect both (Front and Rear) together.
• When the front speaker are used, connect leads as illustrated in dotted lines (......) below.
• When the rear speakers are used, connect leads as illustrated in actual lines (___) below.
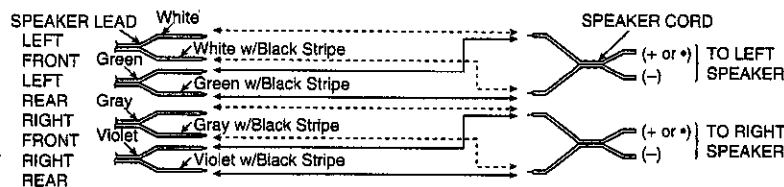
* To prevent unused speaker leads from any short-circuitting, protect them with insulating caps.

4-SPEAKER SYSTEM

CQ-DP975EW

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Special Notes

Notes on Compact Discs

ONLY USE DISCS CARRYING LABEL SHOWN ON THE RIGHT

⬜COMPACT
◖|]⎰◖
DIGITAL AUDIO

- Dirt, dust, scratches and bending of disc will cause misoperation. Handle discs with care.
- Do not place stickers or make scratches on discs.
- Do not bend discs.
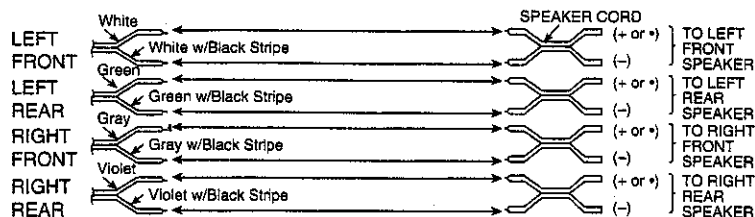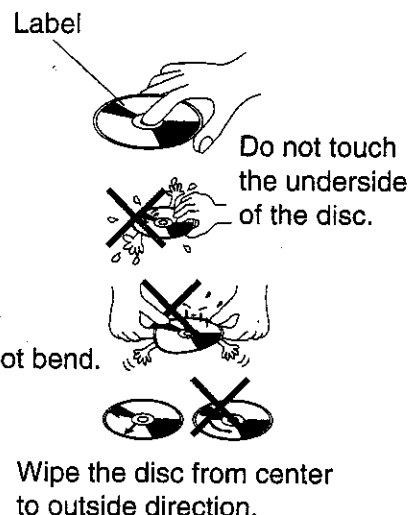- Disc should always be kept in the case when not in use to prevent from damaging.
- Do not place discs in the following places:
    1. Direct sunlight
    2. Dirty, dusty and damp areas
    3. Near car heaters
   4. Seats or dashboard

Disc Cleaning
Use a dry soft cloth to wipe the surface. If the disc is quite dirty use a soft cloth slightly dampened in isopropyl (rubbing) alcohol. Never use solvents such as benzine, thinner, conventional record cleaner, or mopper as they may mar the surface of the disc.

Label

Do not touch the underside of the disc.

Do not bend.

Wipe the disc from center to outside direction.

Caution for use of a New Disc

A new disc may have rough edges on its inner and outer perimeter. If a disc with rough edges is used, proper setting will not be possible and the CD player will not play the disc. Therefore, remove the rough edges in advance by using a ball-point pen or pencil as shown on right. To remove the rough edges, press the side of the pen or pencil against the inner and outer perimeter of the disc.

Rough edges on outer perimeter

A ball-point pen or pencil

Rough edges on inner perimeter
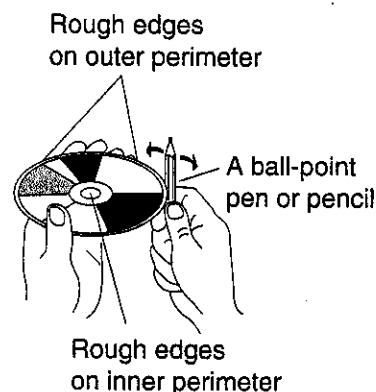
Fuse

Be sure to use a fuse of the specified rating (15A) when replacing a blown fuse. Fuses with higher capacity ratings, use of any substitute, or connection without a fuse may result in a fire hazard or damage to the unit. If the replacement fuse fails, consult your nearest authorized Panasonic Service Center.

Maintenance

To clean the exterior of this unit, use a soft cloth to wipe the surface. Do not use benzine, thinner, or any other type of solvents.

CQ-DP975EW

Specifications

GENERAL

Power Supply	: 12 V DC (11 V - 16 V), Test Voltage 14.4 V, Negative ground
Maximum Power Output	: 40 W × 4 channels at 400 Hz, Volume Control maximum
Tone Action	: Bass; ±12 dB at 100 Hz, Treble; ±12 dB at 10 kHz
Pre-Amp Output Voltage	: 2.0 V (CD Play Mode; 1 kHz 0 dB)
Output Impedance	: 600 Ω
Current Consumption	: Less than 1.7 A (CD Play Mode)
Dimensions (W×H×D)	: 178 (W) × 50 (H) × 150 (D) mm
Weight	: 1.4kg

AM RADIO

Frequency Range	: 531 - 1,602 kHz
Useable Sensitivity	: 28 dB/μV (25μV, S/N 20 dB)

FM STEREO RADIO

Frequency Range	: 87.5 - 108 MHz
Useable Sensitivity	: 13.2 dBf. (1.25 μV, 75 Ω)
Stereo Separation	: 42 dB (at 1 Hz)

CD PLAYER

Sampling Frequency	: 32 times oversampling
DA Converter	: MASH · 1bit/4 DAC System
Error Correction System	: Panasonic Super Decoding Algorithm
Pick-Up Type	: Astigma 3 - beam
Light Source	: Semiconductor laser
Wavelength	: 780 nm
Frequency Response	: 20 Hz - 20,000 Hz, ± 1 dB
Signal/Noise Ratio	: 96 dB
Total Harmonic Distortion	: 0.01% (1kHz)
Wow and Flutter	: Below measurable limits
Channel Separation	: 75 dB

Note:
Specifications and design are subject to modification without notice due to improvements in technology.