

# MONTEREY CDM83

High-Power FM/AM/CD Receiver with CD Changer Control and Fully-Detachable Face

Récepteur FM/AM/CD de forte puissance avec commande de changement de CD et face avant amovible

Receptor FM/AM/CD de Alta Potencia con control para cambiador de CD y panel frontal (carátula) desmontable

Rádio FM/AM/CD de Alta Potência com Controle do CD CHANGER e Face Removível



**BLAUPUNKT**

Bosch Telecom

# Warning

---

The equipment has been tested and found to comply with the limits for a Class B 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 generates, uses, and can radiate radio frequency energy, and, if not installed and used in accordance with instructions, may cause harmful interference with radio communications. However, there is no guarantee that radio interference will not occur in 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.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

# Owner's Record

---

The model and warranty numbers are located on the top of the unit. Record the warranty number in the space provided below. Refer to these numbers whenever you call upon your Blaupunkt dealer regarding this product.

Model No. Monterey CDM83

Warranty Number \_\_\_\_\_

## **CAUTION**

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

# Table of Contents

---

## English

|  |              |
|--|--------------|
| Warnings .....                               | Inside Cover |
| Owner's Record .....                         | Inside Cover |
| Features .....                               | 2            |
| Precautions .....                            | 2            |
| Detachable Face .....                        | 3            |
| Electrical Connection and Installation ..... | 4-7          |
| Removing Unit & Maintenance .....            | 8            |
| Specifications .....                         | 9            |
| Location of Controls .....                   | 10           |
| Operational Instructions .....               | 10-16        |
| Troubleshooting .....                        | 17           |
| Remote Control .....                         | 18           |

## Features

---

Congratulations on your purchase of the Blaupunkt Monterey CDM83 FM/AM/CD Receiver and Changer Control. Its HDT Phase Locked Loop (PLL) quartz High-Definition FM Tuner and high-quality CD player provide the ultimate in sound reproduction. The Travel Store feature allows you to automatically load eighteen receivable FM and six receivable AM stations into the tuner's presets as you travel through various reception areas. The unit's changer control allows you to control up to ten CD changers.

- Tuner Features:
  - HDT High-Definition PLL Tuner
  - 18 FM/6 AM Station Presets, all with Travel Store Feature
  - Preset Naming and Scan
  - Automatic and Manual Tuning
  - Local/Distant/Mono Reception Control
- CD Player/Changer-Control Features:
  - Cue/Review
  - TPM Track Program Memory
  - 3-Beam Laser
  - 1-Bit/8 x Oversampling Digital Filter
  - Anti-Vibration and Shock Mechanism
  - Controls up to 10 Blaupunkt CDC-M5 CD Changers (Sold Separately.)
  - Disc and Track Up/Down and Scan
  - Fast Track Up/Down
  - Magazine, Disc and Track Mix and Repeat
  - Changer Disc Naming
- Audio Features:
  - 4 x 20 Watt Integrated Amplifier
  - 4-Channel RCA Preamp Output
  - Flex Fader
  - Volume/Balance/Fader Controls
  - Separate Bass and Treble Controls
  - Loudness Button
  - 20 dB Mute
  - ASU Impulse Noise Quieting
  - Defeatable Confirmation Beep
- General Features:
  - Fully-Detachable Faceplate for Security w/Case
  - Switchable Clock/Function LCD Display
  - Switchable Green/Amber Display Color
  - Night Illumination
  - Connection for Motorized Antenna
  - Cellular Phone Mute
  - Includes Mounting Hardware and Wire Harness
  - DIN/ISO Mounting Chassis
  - Dimensions: 178 x 50 x 155 mm (7 1/8 x 2 x 6 1/8 in.)
  - Wireless Remote Control R-CDM1 Sold Separately

Your Monterey CDM83's fully-detachable front faceplate makes the unit useless to would-be thieves.

## Precautions

---

- Before operating the unit for the first time or after reconnecting the vehicle battery, press the reset button (on the front of the unit's chassis) with a ball-point pen, etc.
- If your vehicle was parked in direct sunlight resulting in a considerable rise in temperature inside the vehicle, allow the unit to cool off before operating it.
- If no power connection is supplied to the unit, check the connections first. If everything is in order, check the fuse.
- If no sound comes from the speakers of a two-speaker system, set the fader control to the center position.
- As the laser beam used in this compact disc is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.
- Note on moisture condensation: On a rainy day or in a very damp environment, moisture may condense on the disc lenses in the unit. Should this occur, the unit may not operate properly. In such a case, remove the disc from the unit and wait for about an hour or so until the moisture has evaporated before re-inserting the disc.
- You are cautioned that any changes or modifications not expressly approved in this manual could void your warranty.
- If you have any questions or problems concerning your unit that are not covered in this manual, please contact your Blaupunkt dealer.

# Detachable Face

## Detaching & Attaching the Face:

The face of this unit can be detached and taken with you to prevent it from being stolen.

### Detaching the Face:

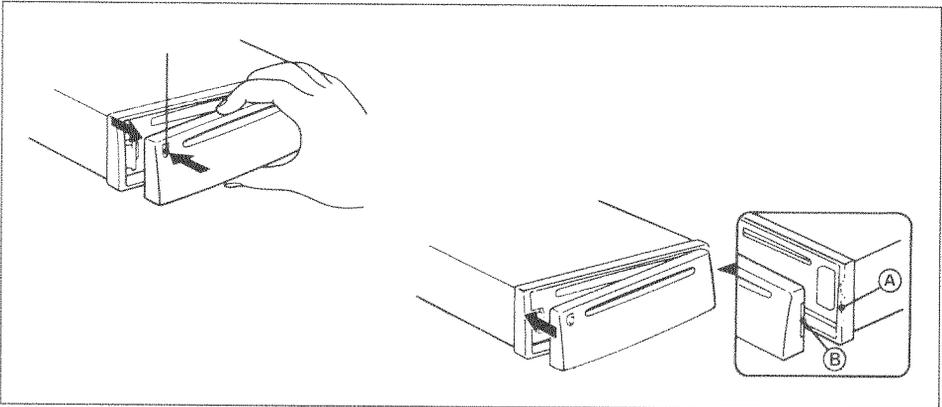
Before detaching the face, be sure to press the OFF Button first. Then press the REL (Release) Button and detach the face by gently pulling it towards you as illustrated.

**Note:** Do not pull it straight out from the chassis. Be sure not to drop the face when detaching it from the chassis.

### Attaching the Face:

Apply the right hand side of the face to the chassis by sliding (part B) of the face to (part A) at the front of the chassis. Gently push the left side of the face against the front of the chassis until it snaps into place.

**Note:** Make sure that the face is inserted right side up. Do not press against the display window. Do not press hard against the face when attaching it to the chassis, it may be easily attached with gentle pressure. When carrying the face with you, put it in the carrying case. Do not expose the face to direct sunlight, heat sources such as hot air ducts or leave it in a humid place. Never leave it on the dashboard of a vehicle parked in direct sunlight, where there may be a considerable rise in temperature inside the vehicle.



# Electrical Connections and Installation

@/<?#&\*>@! To avoid the aggravation of costly mistakes and serious damage that could make you feel this way, please carefully follow all of the instructions. You'll be glad you did!

## GENERAL RECOMMENDATIONS

- If you're not confident that you can install the unit correctly, have it installed by a qualified Blaupunkt installation technician.
- Design and specifications subject to change without notice.
- We recommend making and testing all electrical connections before installing the unit.
- Be sure to detach the face before you start to connect or install the unit.

## ELECTRICAL CONNECTIONS

### Power Connections — To prevent short circuits and/or serious damage:

- Disconnect the vehicle battery's negative terminal before making connections.
- Use this unit only with negative ground 12 Volt (11-16 Volt) direct current (DC).
- Connect leads according to the wiring diagram.
- The total amperage required by the blue (remote) lead for triggering the antenna motor must not exceed 100 mA. The total amperage required by blue and white striped (remote) lead for triggering the amplifier must not exceed 300 mA. We don't recommend connecting these leads to the main power input on an amplifier or anything else.
- The sky-blue cellular phone interrupt lead is for muting the audio sound while a cellular phone is in use. Connect this wire to the appropriate control terminal of the phone equipment.
- Connect the red power input lead only after the other leads are connected. And be sure to connect it to a positive (+) 12 Volt power terminal that is energized only when the ignition key is set to the accessory position or on position.\*
- Connect the black lead to a grounded metal part of the vehicle. We recommend grounding all audio system black ground leads (head unit, external amplifier, etc.) to a common ground point.

### \* Cars With No Ignition-Switch Accessory

Position In cases where the red lead cannot be attached to an accessory position on the ignition switch, it should be attached to the same point as the yellow lead. Because the unit is factory-set to be illuminated whenever the red lead is active, you must move the Power Switch, located on the bottom of the unit, to the OFF position to prevent running down the vehicle's battery. (See diagram.) Then press the Reset Button. (See facing page.) The unit is then reset and will illuminate only when the unit is in use.

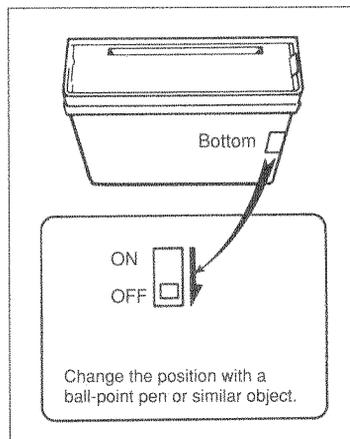
## Speaker Connections

The Monterey's CDM83's Flex Fader allows you to fade between the front and the rear of the vehicle using either — or both — the speaker leads and/or the preamp outputs, providing you tremendous flexibility in configuring your speaker arrangement:

- You can connect speakers or speakers systems to each of the units' four speaker leads.
- You can connect the 4 RCA preamp outputs to external amplifiers and power up to four speakers or speaker systems to the amplifiers. (Blaupunkt speakers and amplifiers available separately.)
- You can use a combination of these two methods, allowing your Monterey to provide sound to up to eight speakers or speaker systems.

### Speaker Lead Connections—To prevent short circuits serious damage to the unit and/or speakers:

- Don't ground the speaker leads (or pre-amp outputs) to a metal part of the vehicle.



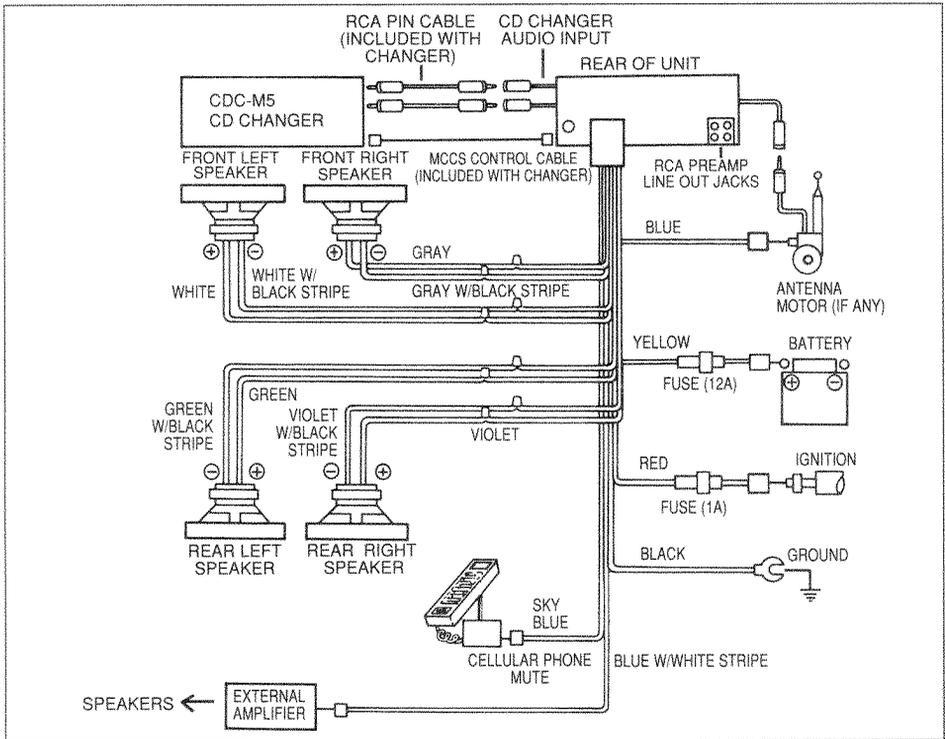
- Use speakers (or speaker systems) with 4 ohms minimum impedance that have adequate power-handling capabilities.
- Connect the speaker leads according to the wiring diagram.
- Don't connect more than one speaker (regular, co-axial or tri-axial) or (speaker systems) to each pair of speaker leads.
- Don't connect any active speakers (speakers with built-in amplifiers) to the speaker leads.
- Don't connect the left and right speaker leads to each other or to the same speakers.
- Don't connect the front and rear speaker leads to each other or to the same speakers.

**Pre-Amp Output Connections To External Amplifier(s) — To prevent short circuits serious damage to the unit and/or speakers:**

- Following the amplifier's instructions, connect Monterey preamp outputs to the external amplifier and connect the speaker(s) or speaker system(s) directly to the amplifier.

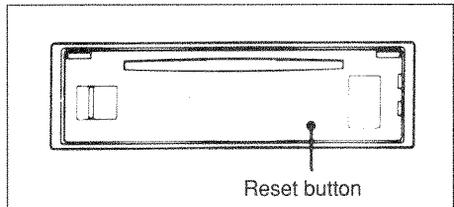
**CD Changer Connections**

Follow the instructions that come with your Blaupunkt CD changer.



**Resetting The Unit**

After the electrical connections have been made, but before operating the unit for the first time (or after replacing the car battery), press the reset button with a ball-point pen, etc. The reset button is located on the front of the chassis.

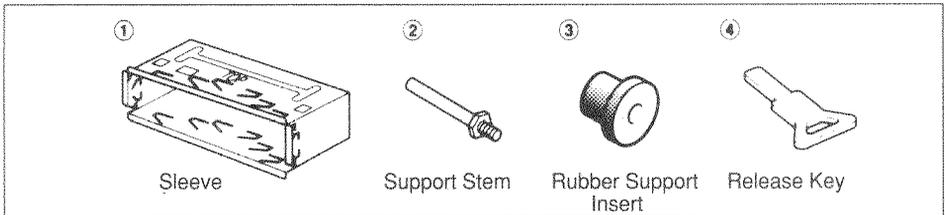


# Installation

## Recommendations

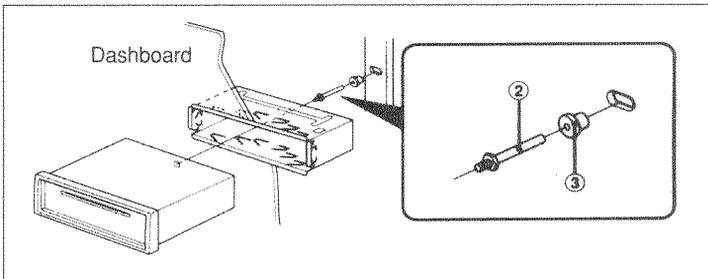
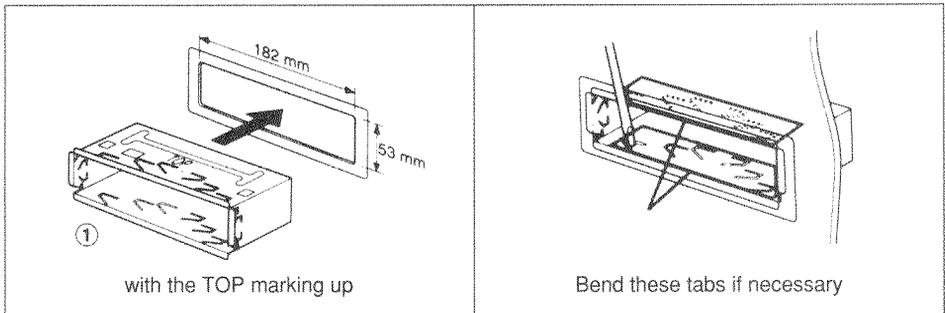
- Carefully choose the mounting location so that the unit won't interfere with normal driving.
- Avoid mounting locations where the unit would be subject to high temperatures, such as from direct sunlight or hot air from the heater, or where it would be subject to dust, dirt or excessive vibration.
- The illustration below shows a typical installation, however, you may need to adjust the installation, depending on the unit. If you have questions or need additional installation hardware, consult your Blaupunkt dealer.
- Make sure the unit is firmly anchored (preferably at both front and back) and does not vibrate.
- Press the reset button after completing the electrical connections and installation. The reset button is located on the front of the chassis.

## Mounting Hardware



## Mounting The Unit in Most Dashboards

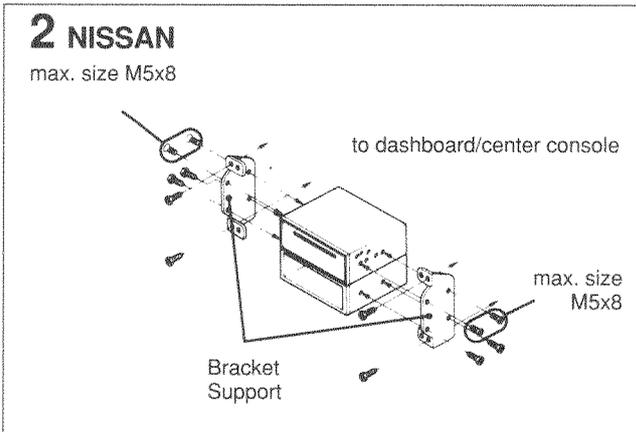
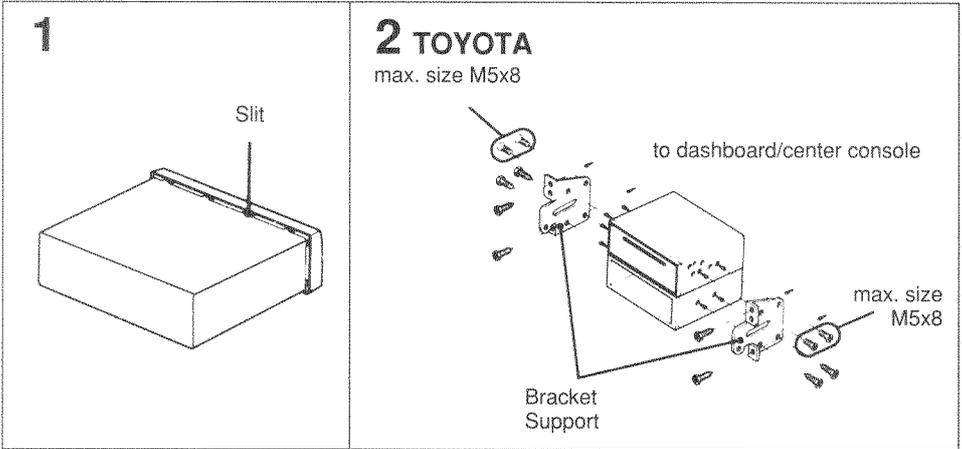
- 1 Install the Sleeve (1) in the dashboard.
- 2 Select and bend the appropriate tabs to hold the sleeve firmly in place.
- 3 Attach the Support Stem (2) onto the back of the unit.
- 4 Insert the Rubber Support Insert (3) into the hole centered behind the radio cavity of the vehicle.
- 5 Slide the body of the unit into the sleeve until the support stem slides into the support plug and unit snaps into the sleeve.



## Mounting the Unit in a Japanese Car

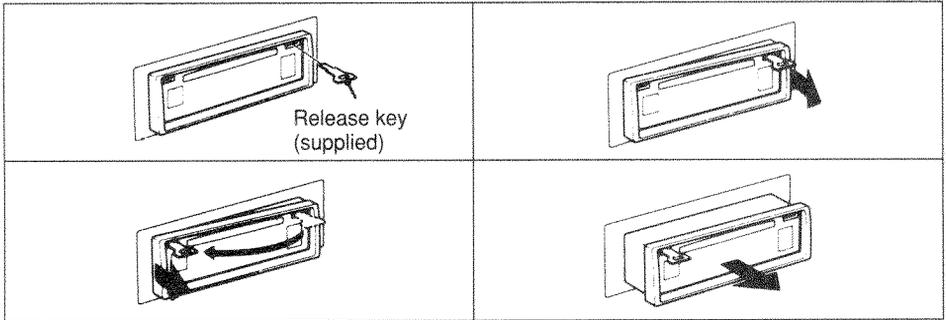
You may not be able to mount this unit in some Japanese cars. If you have difficulties, consult your Blaupunkt dealer.

- 1 Run a blade along the slits on the back of the front trim and separate it from the unit. Discard the trim.
- 2 Use the vehicle's own mounting hardware to attach the unit.



## Removing the Unit

Use the Release Key as shown below. Keep it in a safe place in case you need it in the future.



## Maintenance

---

### Fuse Replacement

When replacing the fuse, be sure to use one with the correct amperage, which will be stated on the fuse case. Never use a fuse that has a stated amperage exceeding the one supplied for this unit, as this could cause malfunction and serious damage to the unit.

### Cleaning the Connectors

The unit may not operate properly if the connectors between the unit and the face are contaminated with dirt. In order to prevent this from happening, remove the face from the unit by pressing the REL (Release Button), then detach it and clean the connectors from time to time. Clean the connectors with a cotton swab as illustrated. Be sure to clean them with a horizontal motion. Never clean them vertically, because this could damage the contact points.

# Specifications

## Audio Power Specifications

POWER OUTPUT AND TOTAL HARMONIC DISTORTION 10 watts per channel minimum continuous average power into 4 ohms, 4 channels driven, from 20-20,000 Hz with no more than 1% total harmonic distortion.

## Other Specifications

### Power amplifier section

|                      |  |
|----------------------|--|
| Outputs              | Speaker outputs with bullet connectors     |
| Speaker impedance    | 4-8 ohms                                   |
| Maximum power output | 20 W x 4 (at 4 ohms)<br>Measured at 14.4 V |

### CD player section

|                        |                                   |
|------------------------|-----------------------------------|
| System                 | Compact disc digital audio system |
| Frequency response     | 10 - 20,000 Hz $\pm$ 3 dB         |
| Wow and flutter        | Below the measurable limit        |
| Signal-to-noise ratio  | 90 dB                             |
| Laser Diode Properties |                                   |
| Material               | GaAIs                             |
| Wavelength             | 780 nm                            |
| Emission duration      | Continuous                        |
| Laser out-put power    | Less than 44.6 $\mu$ W*           |

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

### Tuner section

|                              |                              |
|------------------------------|------------------------------|
| <b>FM</b>                    |                              |
| Tuning range                 | 87.5 - 107.9 MHz             |
| Antenna terminal             | External antenna connector   |
| Intermediate frequency       | 10.7 MHz                     |
| Sensitivity                  | 12 dBf                       |
| Selectivity                  | 75 dB at 400 kHz             |
| Signal-to-noise ratio        | 65 dB (stereo), 70 dB (mono) |
| Harmonic distortion at 1 kHz | 0.5% (stereo), 0.3% (mono)   |
| Separation                   | 35 dB                        |
| Frequency response           | 30 - 15,000 Hz $\pm$ 3 dB    |

### General

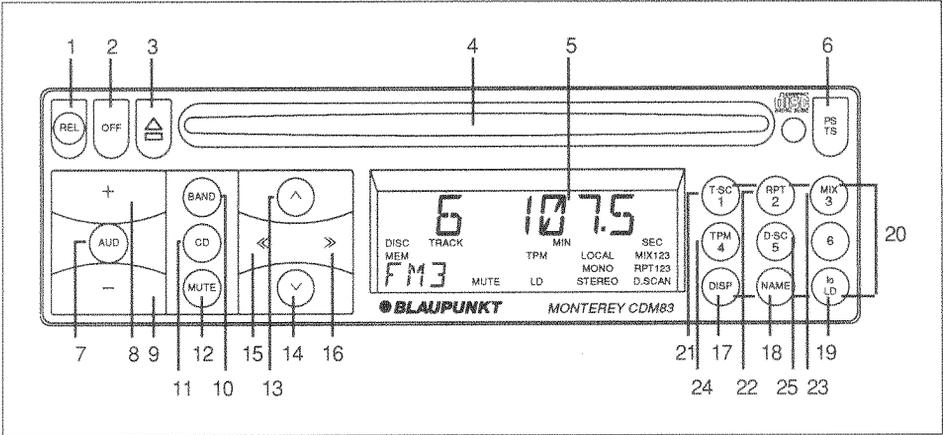
|                       |   |
|-----------------------|---|
| Tone controls         | Bass $\pm$ 10 dB at 100 Hz<br>Treble $\pm$ 10 dB at 10 kHz  |
| Power requirements    | 12 V DC car battery<br>(negative ground)  |
| Current drain         | 1 A (CD playback)<br>1.5 A (during disc loading or eject)   |
| Operating temperature | -10°C to 50°C (15°F to 120°F)   |
| Dimensions            | Approx. 178 x 50 x 155 mm<br>(w/h/d) (7-1/8 x 2 x 6-1/8 in.)<br>not incl. projecting parts and controls                                   |
| Mass                  | Approx. 1.5 kg (3 lb. 5 oz.)  |
| Supplied accessories  | Mounting hardware (1 set)<br>Power input lead (1)<br>Face plate case (1)  |
| Optional accessories  | R-CDM1 Wireless Remote<br>Control 9-404-230-288<br>CDC-M5 10 CD Changer<br>9-404-230-283<br>Multi-Changer Connection<br>Box 9-404-230-290 |

Design and specifications subject to change without notice.

### AM

|                              |                            |
|------------------------------|----------------------------|
| Tuning range                 | 530 - 1,710 kHz            |
| Antenna terminal             | External antenna connector |
| Intermediate frequency       | 450 kHz                    |
| Sensitivity                  | 30 $\mu$ V                 |
| Signal-to-noise ratio        | 55 dB                      |
| Harmonic distortion at 1 kHz | 0.3%                       |

# Location of Controls



1. REL (Release) Button
2. OFF Button
3. Disc Eject Button
4. Disc Insertion Slot
5. LCD Display Window
6. PS/TS (Preset Scan/Travel Store)
7. AUD (Audio Select) Button
  - Volume Mode
  - Balance Mode
  - Bass Mode
  - Treble Mode
  - Fader Mode
8. + Control:
  - Volume +
  - Bass +
  - Treble +
  - Balance Right
  - Fade Rear
9. - Control:
  - Volume -
  - Bass -
  - Treble -
  - Balance Left
  - Fade Front
10. BAND (FM/AM Band-Select) Button
11. CD Button
12. MUTE Button
13. ^ Control
  - Automatic Seek-Radio Tuning (Up)
  - Hour Adjustment (Up)
  - CD Track Search (Forward)
  - CD Fast Track Search (Forward)
14. v Control
  - Automatic Seek-Radio Tuning (Down)
  - Hour Adjustment (Down)
  - CD Track Search (Backward)
  - CD Fast Track Search (Backward)
15. << Control
  - Manual Radio Tuning (Down)
  - Minute Adjustment (Down)
  - Audible CD Track Review (Backward)
  - CD Disc Search (Backward)
16. >> Control
  - Manual Radio Tuning (Up)
  - Minute Adjustment (Up)
  - Audible CD Track Review (Forward)
  - CD Disc Search (Forward)
17. DISP Button
18. NAME Button
19. lo (Local/Distant Reception/Mono)/LD (Loudness) Button
20. FM/AM Preset Buttons
21. T-SC (Track Scan) Button
22. RPT (Track Repeat) Button
23. MIX (Track Mix) Button
24. TPM (Track Program Memory) Button
25. D-SC (Disc Scan) Button

## Instructions — General Operation

(Before operating the unit for the first time or after reconnecting the vehicle battery, press the reset button (on the front of the unit's chassis) with a ball-point pen, etc.)

## **General Operation (Continued)**

---

### **Turning Unit On**

Vehicle ignition must be on. To turn unit on, press BAND Button (10), insert a disc, or press CD Button (11), if disc has already been inserted.

### **Turning Unit Off**

Press the OFF Button (2) to turn the unit off.

### **Volume**

Press the + / - Controls (8 & 9) to increase or decrease the volume to the desired level. The volume level is indicated in the Display Window (5). Three seconds after you complete your adjustments, the display reverts to showing the sound source.

### **Mute**

To reduce the volume level by 20 decibels, press the MUTE Button (12). The "MUTE" indicator appears in the Display Window. To return to the previous volume level, press it again.

### **Setting the Clock**

Turn the ignition key to the on position. If the clock does not appear in the display, press the DISP Button (17). Press the DISP Button again for more than two seconds. While continuing to hold down the DISP Button, press the  $\wedge$  and  $\vee$  Controls (13 and 14) to set the hour, and press the << and >> Controls (15 and 16) to set the minutes. The clock starts activating when you take your finger off the DISP Button.

### **Defeating the Audible Beep**

To defeat the audible beep that sounds when a button is pushed or a step is completed, press Preset Button 6 while pressing the AUD Button (7). To restore the beep, repeat this process.

### **Changing the Illumination**

To change the illumination color from amber to green or green to amber, press Preset Button 1 while pressing the AUD Button (7).

### **Changing the Information Displayed**

Press the DISP Button (17) to change the display as follows: During CD Playback: CD Information  $\rightarrow$  Disc Name  $\rightarrow$  Clock. During Radio Reception: Station Name  $\rightarrow$  Frequency  $\rightarrow$  Clock. (If the name is not registered, blank lines will appear.) Note: CD Changer must be connected for Disc Name feature.

### **Bass and Treble**

Press AUD (Audio Select) Button (7) once to select the Bass mode, twice for the Treble mode. The level is indicated in the Display Window (5). Press the + Control (8) or - Control (9) to increase or decrease the level.

### **Balance**

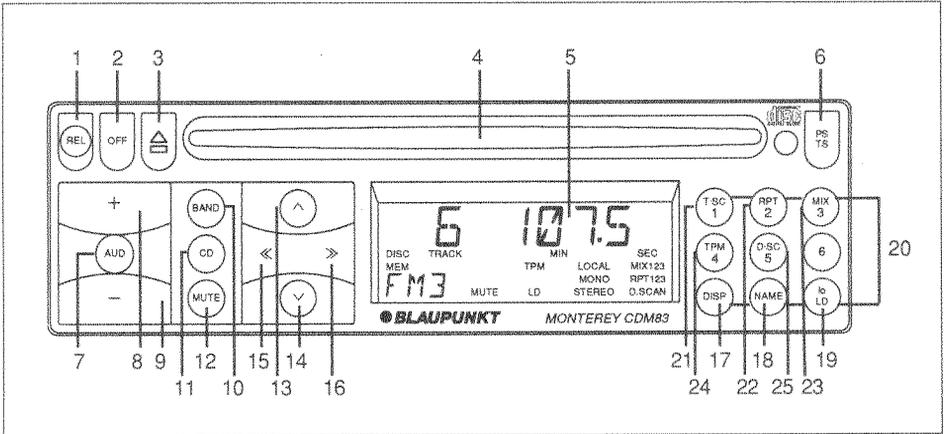
Press AUD (Audio Select) Button (7) three times to select the Balance mode. The balance is indicated in the Display Window (5). Press the + Control (8) to increase the right speaker output or press the - Control (9) to increase the Left speaker output to the desired level.

### **Fader**

Press AUD (Audio Select) Button (7) four times to select the Fader mode. The level of output for front and back speakers is indicated in the Display Window (5). Press the + Control (8) to decrease the rear speaker output. Press the - Control (9) to decrease the front speaker output.

### **Loudness Control**

Press and hold the LD Button (19) for two seconds to increase sound level of the low and high frequencies, especially when, especially when listening at low volume levels. The "LD" symbol will illuminate in the display. To cancel, press this button again.



## Radio Operation

### Band Selection

Press the BAND Button (10) to select the bands FM1, FM2, FM3, and AM, sequentially. The indicator for the active band (FM1, FM2, FM3, or AM) appears in the display along with the radio frequency being received.

### Manual Tuning

Press the BAND Button (10) until the desired band appears in the display. Press and hold the << or >> Controls (15 and 16) until the desired frequency appears in the Display Window (5).

### Automatic Seek Tuning

Press the BAND Button (10) until the desired band appears in the display. After two seconds, the display reverts to showing the radio frequency. Press and release the ^ and v Controls (13 and 14) to seek the next receivable station.

### Local/Distant/Mono Reception

To have the automatic tuning stop only at strong local stations, press and release the lo Button (19). "LOCAL" will be shown in the display. When "LOCAL" is not displayed, the distant reception mode is in effect and automatic tuning stops at ALL receivable stations, weak or strong. The lo Button cycles between local, mono and distant modes.

When an FM stereo program with sufficient signal strength is tuned in, the "STEREO" indicator appears in the Display Window. If the FM stereo program is weak and noisy, press the lo Button (19). The program will be received in monaural mode, eliminating the noise. "MONO" will appear in the display.

### Preset Tuning

- Up to 18 FM and 6 AM stations can be stored in preset memory.
- Tune in a desired station, either manually or automatically, on the desired Band, as instructed above.
- Press and hold any one of the six Preset Buttons (20). The Preset Button number will appear in the Display Window. After two seconds, the "MEM" indicator will appear in the Display Window, indicating that the station has been stored in the Button's memory storage for that Band.
- Repeat the above procedure with the rest of the presets for each Band, as desired.
- To select a preset station, select the desired band, then press the desired Preset Button.

### **Preset Scan**

To review the stations stored in the Preset Buttons, press the PS (Preset Scan) Button (6). All of the stations stored in memory will be received, in order, for five seconds each. To cancel, press this button again – or press a Preset Button or another tuning control.

### **Travel Store**

This feature allows you to automatically store the best-received FM and AM stations on the preset buttons:

- Press the BAND Button (10) to select the desired band, FM or AM. (With the Travel Store feature, if you select any of the three FM Bands, all three FM Bands are affected as indicated below.)
- Press the TS button (6) for more than 2 seconds. The unit automatically scans the selected band (FM or AM) for receivable stations beginning with the frequency and preset currently displayed.
- When there is NO preset number indicated in the Display Window, stations will be stored in the memories of ALL of the preset buttons in the currently-selected band, FM or AM.
- However, when there IS a preset number indicated in the Display Window, stations will be stored in the memories of the current and subsequent preset buttons in the currently-selected band, FM or AM. For example, if you activate Travel Store when FM1 and Preset 5 is displayed, only presets 5 and 6 on the FM1 Band and all of the presets on FM2 and FM3 Band will be affected.

### **Preset Naming**

You can enter and store the names of up to forty radio stations in the units memory. (If you try to enter more than **40 names**, the "FULL" indication will appear in the Display. You can enter new names after erasing some of the existing names.)

1. Tune in a station that you wish to name.
2. Press the NAME Button (18) for more than two seconds to enter the "name edit mode."
3. Press either the + or – Buttons (8 & 9) to select the desired characters, A-Z, 0-9 and other characters. If you wish to put a blank space in the name, select the " \_ " (underbar).
4. Press the AUD Button after locating the desired character.
5. The next space to the right begins to flash. Repeat steps 3 and 4 for each desired character. Up to eight characters can be used per name. After the eight character (the farthest right character) is completed, the first (left-most) character begins to flash.
6. To name another station, tune in the station and repeat steps 3, 4 and 5.
7. To complete Preset Naming, press the NAME Button for more than two seconds.

### **Changing a Station Name**

Tune in the station that has the name you wish to change and repeat steps 2 to 7.

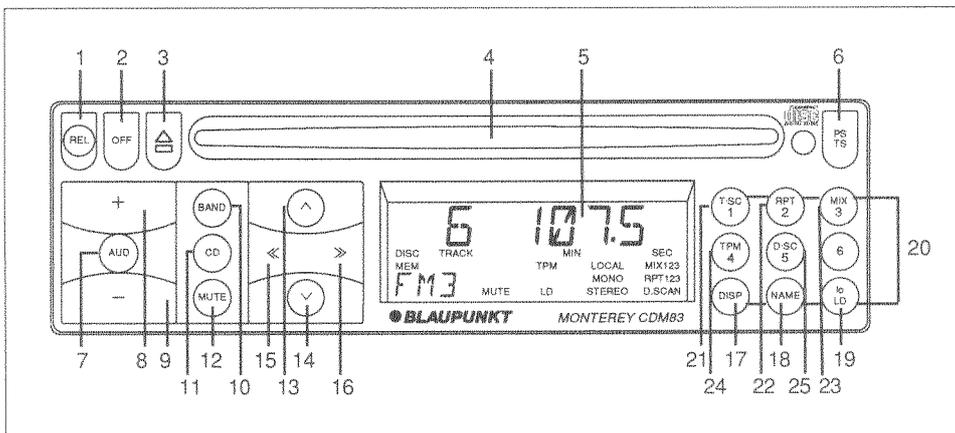
### **Displaying a Station Name**

Press and release the DISP Button (17). To change the display to showing the frequency, etc., press and release the DISP Button again.

### **Erasing a Preset Name**

1. Tune in any radio station.
2. Press the NAME Button (18) for more than two seconds to enter the "name edit" mode.
3. Press the AUD Button (7) while pressing Preset Button 5.
4. Press either the + or – Button (8 or 9) Button to search for names you wish to erase.
5. Press the AUD Button for more than two seconds. Repeat steps 4 and 5 if you want to erase additional titles.
6. Press the NAME Button for more than two seconds. Now the name is erased and the unit will go back to the normal mode.

(Another way of erasing a name is to select eight " \_ " [underbars] in step 3 of Preset Naming.)



## Compact Disc Operation

### Notes on Handling Discs

Handle the disc by its edge, and to keep the disc clean, do not touch the surface. Do not attach any paper or tape. Do not expose the disc to direct sunlight or heat sources, such as hot-air ducts, or leave it in a vehicle parked in direct sunlight, where there can be a considerable rise in temperature.

### Cleaning Discs

Before playing, clean the disc with a compact disc cleaning cloth. Wipe the disc from the center of the disc to the outer edge of the disc. Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for analog discs.

### CD Player Operation

Make sure that there is no disc already loaded into the unit by pressing the Eject Button (3). Insert a disc into the Disc Insertion Slot (4). When a disc is inserted, CD play will automatically start. If a disc has already been inserted, press the CD Button (11). The Display shows the Track Number and the elapsed playing time. If you press the BAND Button (10) during CD play, the CD play will automatically stop and the radio will be activated.

### Ejecting A Disc

Press the Disc Eject Button (3). The disc will be ejected and the radio will play. If you leave the ejected disc in the disc insertion slot for 15 seconds after you have pressed the button, the disc will be automatically retracted into the unit in order to protect it.

### Moving To Another Part of The Disc

- To go to the beginning of the next track, press the  $\wedge$  Control (13). To go back to the beginning of the track being played, press the  $\vee$  Control (14). (Press these controls repeatedly to locate previous or succeeding tracks or hold down to move at high speed.)
- To move ahead, press and hold the  $\gg$  Control (16) for audible cue. To go back, press and hold the  $\ll$  Control (15) for review. (To move at high speed, keep pressed.)

### At the End of The Disc

The track number returns to "1" and the disc is repeated from the beginning of the disc.

### Switching To A CD Changer

If you have a CD changer connected to the Monterey, press the CD Button (11) to switch to the (next) changer and its magazine. The Monterey's own built-in CD player will always be the last in the series. For example, when two CD changers are connected:

CD1 (CD Changer 1) → CD2 (CD Changer 2) → CD3 (Monterey's Built-In CD Player)

### Switching To Another Disc

- To move ahead to the next disc, press and release the >> Control (16).
- To go back to the previous disc, press and release the << Control (15).  
(If you keep these buttons pressed, the unit will switch to audible cue/review.)

### Repeat

Track Repeat — To play the currently selected track repeatedly, press and release the RPT Button (22) as needed until "RPT1" appears in the Display. To cancel, press and release this button one or more times, as needed, to remove all RPT indications from the Display.

Disc Repeat — To play the currently selected disc repeatedly, press and release the RPT Button (22) as needed until "RPT2" appears in the Display. To cancel, press and release this button one or more times, as needed, to remove all RPT indications from the Display.

Changer Magazine Repeat — To play the currently selected changer repeatedly, press and release the RPT Button (22) as needed until "RPT3" appears in the Display. To cancel, press and release this button one or more times, as needed, to remove all RPT indications from the Display.

### Mix Play

Disc Mix — To play the tracks on the currently-selected disc in random order, press and release the MIX Button (23) as needed until "MIX1" appears in the Display. To cancel, press and release this button one or more times, as needed, to remove all MIX indications from the Display.

Changer Magazine Mix — To play the tracks on all of the discs in the currently-selected changer in random order, press and release the MIX Button (23) as needed until "MIX2" appears in the Display. To cancel, press and release this button one or more times, as needed, to remove all MIX indications from the Display.

All CD Mix — To play all of the tracks in all of the changers and built-in player in random order, press and release the MIX Button (23) as needed until "MIX3" appears in the Display. To cancel, press and release this button one or more times, as needed, to remove all MIX indications from the Display.

### Track Scan

To play the first 10 seconds of each track in order, press the T•SC Button (21) during CD playback. To cancel, press it again.

With optional CD changer(s) connected, after the first disc has been scanned using the Track Scan feature, the subsequent disc in the same CD changer will be scanned, with 10 seconds of each track played. If more than one changer is connected, when the last track of the last disc in the first CD changer has been scanned, the first disc in the next changer will be scanned, etc.

If the T•SC Button is pressed during MIX play, the first 10 seconds of every track will be played randomly.

### Disc Scan

To play the first 10 seconds of every disc, press the D•SC Button (25) during CD playback. To cancel, press it again.

With the optional CD changer(s) connected, the first 10 seconds of all the discs in the currently-selected CD changer will be played in order. When the last disc in the CD changer has been played, the disc on the next CD player (or built-in CD player) will be played.

### **Changer Disc Naming\***

You can enter and store names of your own choice onto each disc (one name per disc, maximum of eight characters per name). The name can be displayed in the Display Window while the disc is being located and played.

1. Play the disc that you wish to name.
2. Press the NAME Button (18) for more than two seconds to enter the "name edit mode."
3. Press either the + or – Buttons (8 & 9) to select the desired characters, A-Z, 0-9 and other characters. If you wish to put a blank space in the name, select the "\_" (underscore).
4. Press the AUD Button after locating the desired character.
5. The next space to the right begins to flash. Repeat steps 3 and 4 for each desired character. Up to eight characters can be used per name. After the eight character (the farthest right character) is completed, the first (left-most) character begins to flash.
6. To name another disc, press and release the << and >> controls (15 & 16) as needed to locate the desired disc and repeat steps 1-5.
7. To complete Disc Naming, press the NAME Button for more than two seconds.

### **Changing a Disc Name**

Play the disc that has the name you wish to change and repeat steps 2 to 7.

### **Displaying a Disc Name**

Press and release the DISP Button (17). To change the display to showing the track number and elapsed playing time, etc., press and release the DISP Button again.

### **Erasing a Disc Name**

1. Select a CD changer and play any disc.
  2. Press the NAME Button (18) for more than two seconds to enter the "name edit" mode.
  3. Press the AUD Button (7) while pressing Preset Button 5.
  4. Press either the + or – Button (8 or 9) to search for the name you wish to erase.
  5. Press the AUD Button for more than two seconds. Repeat steps 4 and 5 if you want to erase additional names.
  6. Press the NAME Button for more than two seconds. The name (and TPM, if programmed) are then erased.) The unit will go back to the normal mode.
- (Another way of erasing a name is to select eight "\_" [underbars] in step 3 of Preset Naming.)

### **Track Program Memory\***

This feature allows you to program a disc to play only certain tracks and skip others.

### **Programming the Memory**

1. Play the disc you wish to program.
2. Press the NAME Button (18) for more than two seconds to enter the Disc Naming mode. (The disc must have a name before it can be programmed. See previous section about naming.) If you have already given the disc a name, go on to step 3.
3. Press and release the NAME Button to enter the PLAY/SKIP program mode.
4. Press the ^ and v Controls (13 and 14) to select the tracks you wish to skip. Press the AUD Button (7) to change from "PLAY" to "SKIP". If you wish to return to "PLAY", press the AUD Button again.
5. Press the NAME Button for more than two seconds to complete the programming.

**Note:** You can only program a disc to skip 24 tracks. If a disc has more than 24 tracks, you will not be able program tracks to skip after track 24. You cannot program all of the tracks on a disc to skip.

### **Activating the Track Program Memory**

Press the TPM Button (24) to activate the programming. The "TPM" indication will come on the display window. The unit will start playing only the tracks programmed to play.

To go back to the normal playing mode, press the TPM Button again. If TPM is not activated, your programming will not be followed.

\*To use this feature, a CD changer must be connected to your unit.

# Troubleshooting Guide

The following check will assist in the correction of most problems which you may encounter with your unit. Before going through the check list below, refer back to the connection and operating procedures.

## CD operation

| Trouble  | Cause/Solution  |
|--|---|
| CD play does not start.                                | <ul style="list-style-type: none"> <li>Dusty or defective disc.</li> <li>The ambient temperature is more than 50°C (120°F).</li> </ul>  |
| The disc cannot be loaded or is automatically ejected. | <ul style="list-style-type: none"> <li>A disc is already loaded.</li> <li>The disc is inserted with the labeled side downwards.</li> </ul>  |
| The operation buttons do not work.                     | The built-in microprocessor has malfunctioned.<br>—> Press the reset button.  |
| The sound skips due to vibration.                      | <ul style="list-style-type: none"> <li>The unit is installed at an angle of more than 20°.</li> <li>The unit is not installed on the sturdy part of a car.</li> <li>Dusty or defective disc.</li> </ul> |

## Radio reception

| Trouble                           | Cause/Solution   |
|-----------------------------------|--|
| Preset tuning is not possible.    | <ul style="list-style-type: none"> <li>Memorize the correct frequency.</li> <li>The broadcast is too weak.</li> </ul>  |
| Automatic tuning is not possible. | The broadcast is too weak. —> Use manual tuning.   |
| The "STEREO" indication flashes.  | <ul style="list-style-type: none"> <li>Tune in precisely.</li> <li>The broadcast is too weak. —&gt; Press the SENS button to enter the MONO mode.</li> </ul> |

## General

| Trouble  | Cause/Solution  |
|--|---|
| No sound.  | <ul style="list-style-type: none"> <li>Adjust the volume with the + button.</li> <li>Set the fader control to the center position on the 2-speaker system.</li> </ul> |
| Indications do not appear on the display window. | Remove the front panel and clean the connectors. See "Cleaning the Connectors" of "Maintenance" for details.  |

## Error displays

The following indication will flash for about five seconds.

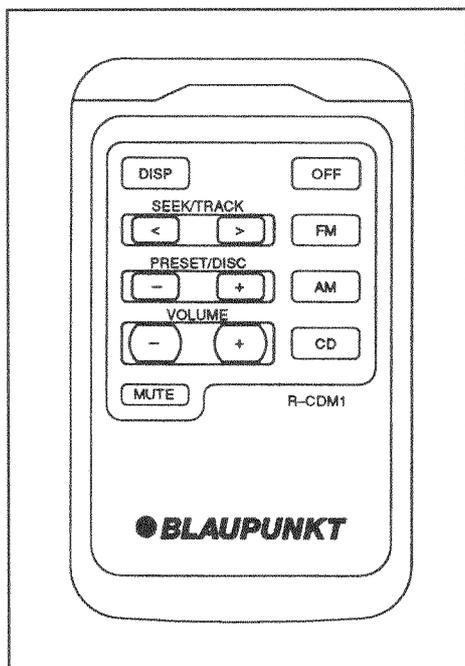
| Display         | Cause   | Solution   |
|-----------------|---|--|
| <b>NO MAG*</b>  | The disc magazine is not inserted in the CD changer                         | Insert the disc magazine with discs into the CD changer. |
| <b>NO DISC*</b> | No disc is inserted in the disc magazine.                                   | Take out the magazine and insert the discs.              |
| <b>ERROR*</b>   | The disc is dirty.  | Clean the disc.  |
|                 | The disc is inserted upside down.   | Insert the disc correctly.                               |
| <b>RESET</b>    | The main unit or the CD changer cannot be operated because of some problem. | Press the reset button of the main unit.                 |

\*When the optional CD changer(s) is (are) connected.

If the above mentioned solutions do not help to improve the situation, consult your nearest **Blaupunkt** dealer.

# Remote Control

(Available Separately: Part No. 9-404-230-288)



First turn the Monterey unit itself on.

## **FM Button**

Press and release this button to switch between bands FM1, FM2 and FM3.

## **AM Button**

Press and release this button to select the AM band.

## **CD Button**

Press and release this button to select compact disc playback.

## **SEEK/TRACK Button**

To seek the next receivable station (during radio play), press and release this button. To move to the preceding or next track (during CD playback), press and release this button.

## **PRESET/DISC Button**

To select stations memorized on the Monterey's Preset Buttons (during radio play), press and release this button. To move to the preceding or next disc (during CD playback), press and release this button.

## **DISP Button**

To change the display priority, press and release this button.

## **VOLUME Button**

To adjust the volume level, use this button. (This button adjusts only the volume.)

## **MUTE Button**

To reduce the volume by 20 dBs, press this button. Press this button again to return to the previous volume level.

## **OFF Button**

To turn the Monterey unit off, press this button. To turn the unit back on, you must turn the Monterey unit itself on.