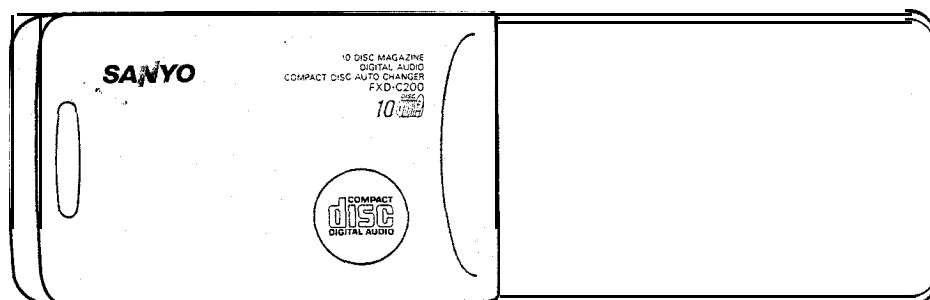


SANYO

OPERATING INSTRUCTIONS

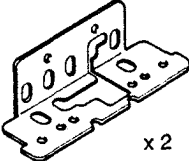
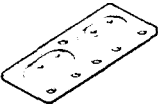







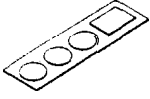

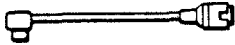



Compact Disc Auto Changer

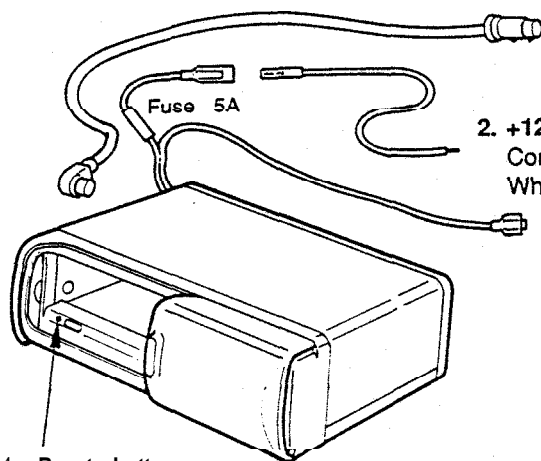
FXD-C200

COMPACT
disc
DIGITAL AUDIO

INSTALLATION PARTS

- | | | | | | |
|---|---|---|---|---|--|
| 1. Bracket (A) | 2. Bracket (B) | 3. Hexagonal bolt with washer
M6 x 20 | 4. Hexagonal bolt with washer
M5 x 12 | 5. Hexagonal bolt with washer
M5 x 8 | 6. Tapping SCREW
M5 x 12 |
|  x 2 |  x 2 |  x 4 |  x 4 |  x 4 |  x 4 |
| 7. Nut
M6 | 8. Lock washer
M5 | 9. Flat washer
M5 | 10. seal | 11. Double sided tape | 12. DIN 8pin cable
5m x 1 |
|  x 4 |  x 4 |  x 4 |  x 1 |  x 2 |  5m x 1 |
| 13. Power Cable | | | | | |
|  | | | | | |
| 5m x 1 | | | | | |

WIRING



1. DIN cable (&pin)

Connect this cable to the FXR-61TB, LB, GB/FXR-71TB, LB/FM Modulator/Ground Isolator or Divider unit.

2. +12V Power wire (YELLOW)

Connect this wire to a terminal which is always energized. When fuse replacement is necessary, use only a 5 amp fuse.

3. Ground wire (BLACK)

Attach this wire to the chassis of the car. Be sure that the surface is free of paint, and is not rusty. If a proper ground connection is not made, the CD changer may not operate correctly and stray noise may be picked up by the unit.

4. Reset button

Be sure to press this button when all wiring is completed or when **Car battery is replaced**.

When a malfunction occurs during CD play, press the button and follow this procedure.

1) The magazine will be automatically ejected in about 3 seconds after RESET button is pressed.

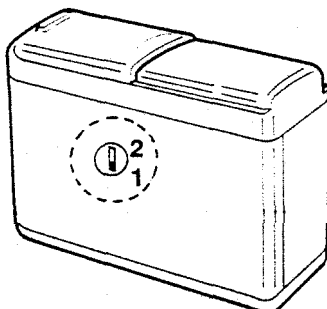
- A disk being played will still remain on the turntable.

2) Empty the magazine, and insert it again.

- The disk on the turntable is automatically housed, and the magazine will be ejected after about 8 seconds.

3) Press the commander reset button after the magazine has been ejected.

Normal operation will then return.



5. Changer selector switch

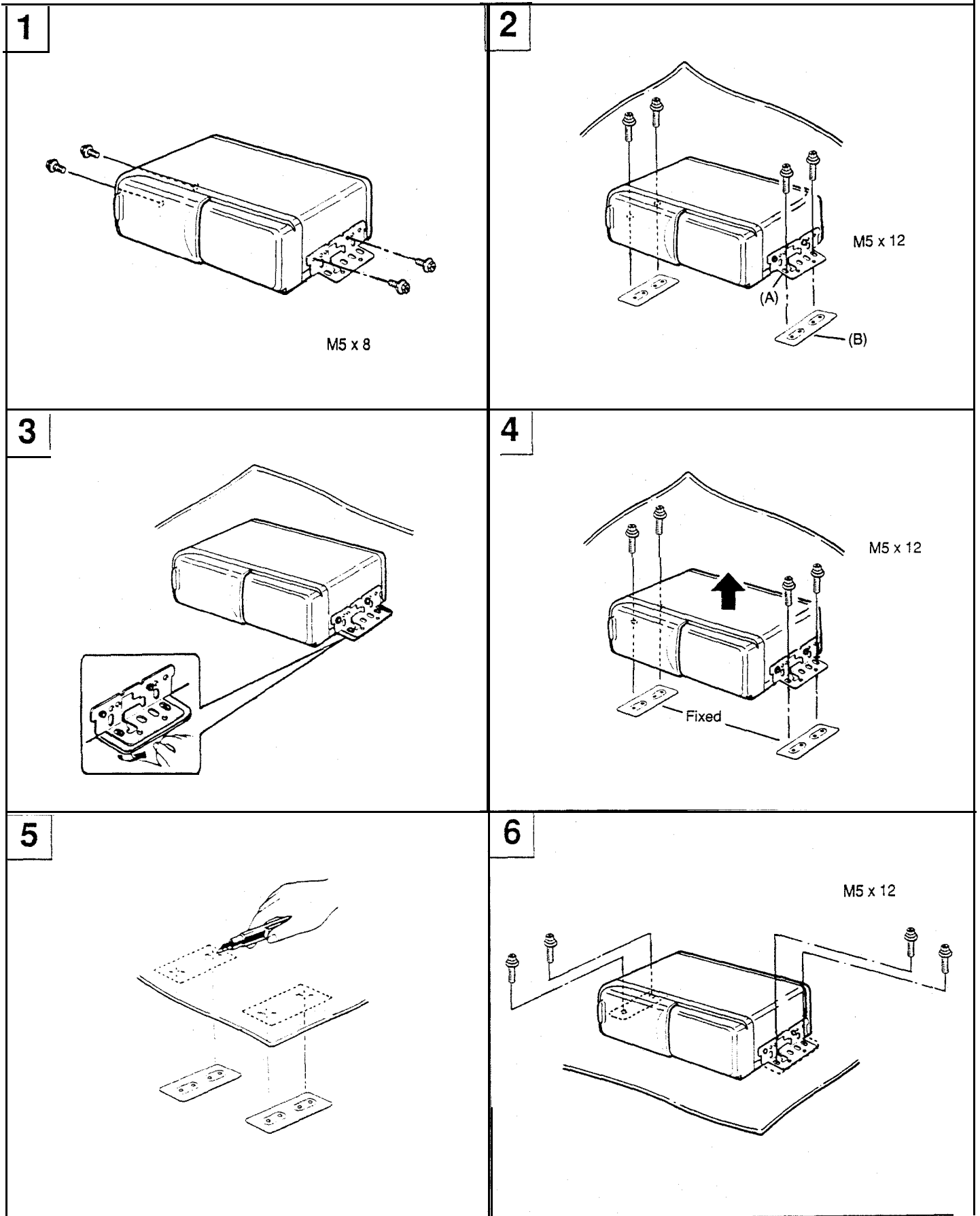
Do not use this switch if only 1 CD changer is being used.

It is used only when 2 CD changers (FXD-C200) are attached.

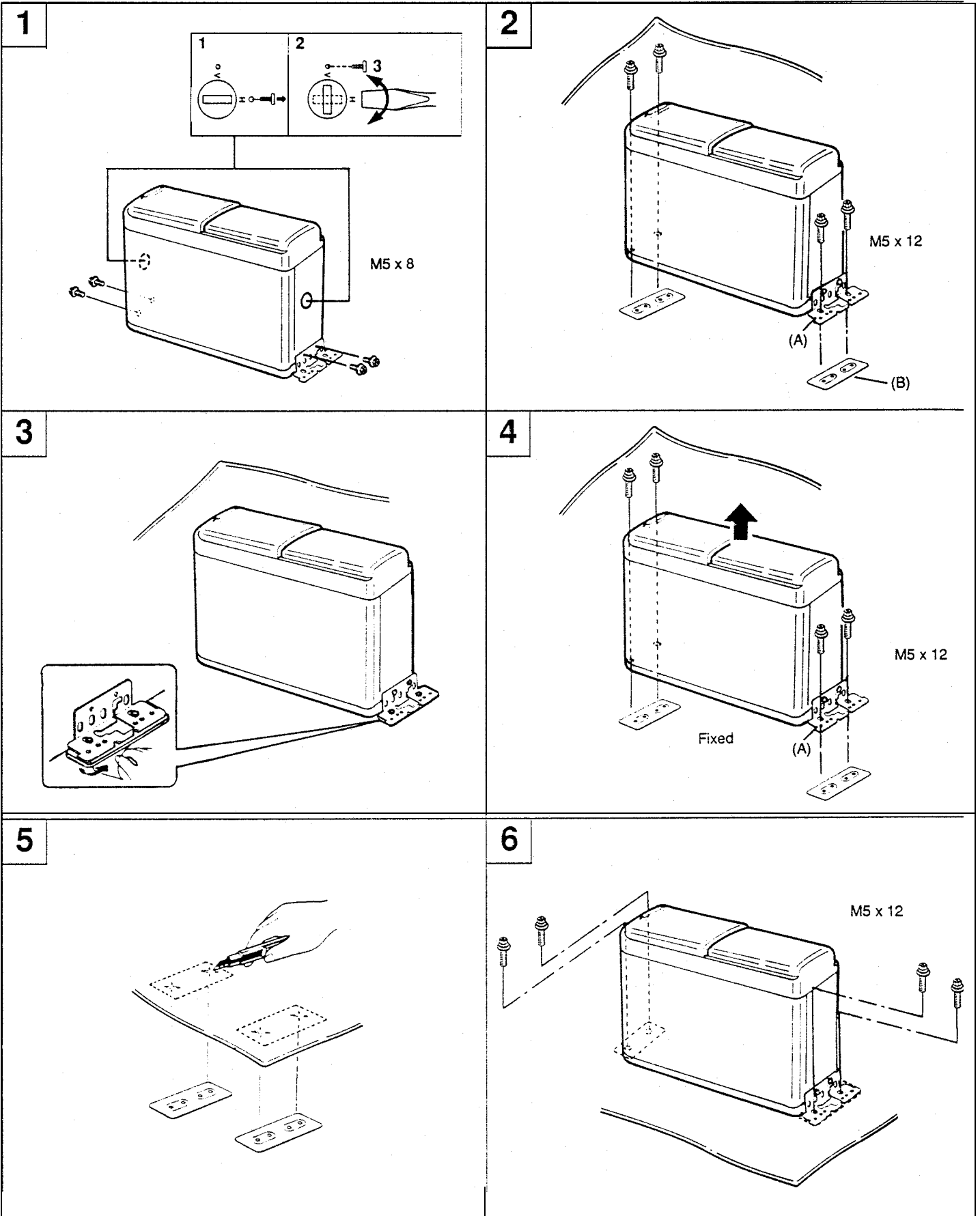
On how to use it, refer to the operation manual of the divider unit (FTP-CH1S).

INSTALLATION

Procedure for Installation on Carpet (Horizontal Position)



Procedure for installation on Carpet (Vertical Position)



HINTS FOR CORRECT AND SAFE OPERATION

This CD Changer is designed to be operated only on +12 volt DC negative ground systems. The unit can not be used on +24 volt or positive ground systems.

The unit may not operate correctly in extremely hot or cold temperatures. The unit is equipped with a built in self protection circuit. When the temperature reaches a pre-set level, the protection circuit halts all unit operation. If this should happen, open a window and allow the car to cool.

Condensation

Moisture can condense on the laser lens, of the CD changer during rainy and humid days, or right after the heater is turned on in the car. If this should happen the unit will not operate correctly. To remedy the situation, remove the discs from the unit and wait approximately one hour. During this time the moisture will evaporate and the unit will operate normally.

INTERRUPTIONS IN SOUND (Skipping)

The sound from the unit may "skip" and be interrupted, if the anti-vibration springs are not set correctly, if the unit is mounted in excess of a 15° angle, or on very rough road surfaces. If this should occur check for errors made during installation or wait for the road surface to improve.

Remove the magazine from the unit when it is not being used during hot weather. If the discs are left in a extremely hot car they may warp. If the CD changer is not used for long periods of time, remove the compact discs from the magazine, and store them in their case.

When playing an 8cm disc, a separately available magazine (MGN-12 06) should be used instead of using the adaptor. The 8cm disc adaptor must never be used, or the internal mechanism may break.

HANDLING THE DISCS

Dirt, dust, scratches and warpage cause sound skips during playback and a deterioration of sound quality. How to take care of your discs:



1. Use compact discs that have the mark shown on the right.
2. Fingerprints and dust should be carefully wiped off the disc's signal surface (glossy side) with a soft cloth. Unlike conventional records, the compact disc has no grooves to collect dust and microscopic debris, so gently wiping with a soft cloth should remove most particles. Wipe in a straight motion from the inside to the outside of the disc. Small dust particles or light stains will have absolutely no effect on reproduction quality.
3. Never use such chemicals as record sprays, antistatic sprays or fluid, benzine or thinner to clean compact discs. Such chemicals would irreparably damage the disc's plastic surface.
4. Discs should be put back in their cases after use to avoid serious scratches that could cause sound skip.
5. Do not expose discs to direct sunlight, high humidity, or high temperatures for extended periods of time. Long exposure to high temperatures can warp the disc.
6. Do not stick paper or write anything with a ball-point pen on the disc surface.

HOW TO HANDLE THE CD MAGAZINE

- 1 Insert a disc into the CD magazine with the label side up. Take out a disc.

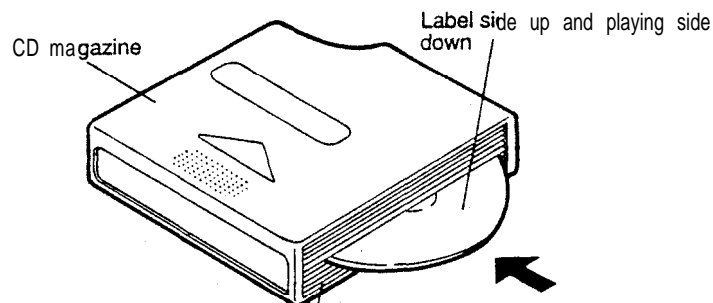


Fig.1

One disc in each slot (10 discs)

- 2 1. When a disc is inserted into the magazine, the push out knob for that slot will be raised (fig.2).
2. Press down on the push-out knob (fig.2).
3. Remove the disc by holding the edge as shown (fig.3).

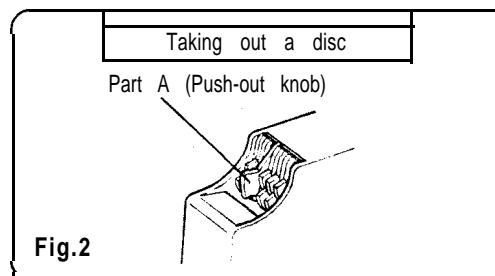


Fig.2

Notes

- Avoid touching the playing side of the disc.
- Only one disc can be inserted into each slot of the CD magazine. Do not try to insert two discs into one slot. Doing so can damage the magazine and the discs.
- When playing an 8cm disc, a separately available magazine (MGN-12 06) should be used instead of using the adaptor. **The 8cm disc adaptor must never be used, or the internal mechanism may break.**

OPERATION-INSERTING THE MAGAZINE

- 1 Slide the door to the right side of the unit, until it locks into place.

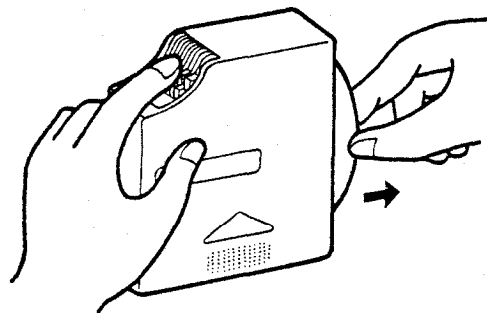
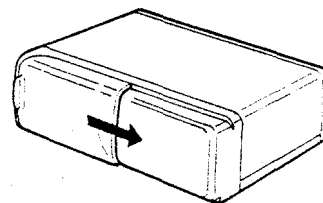


Fig.3

2 INSERTING THE MAGAZINE

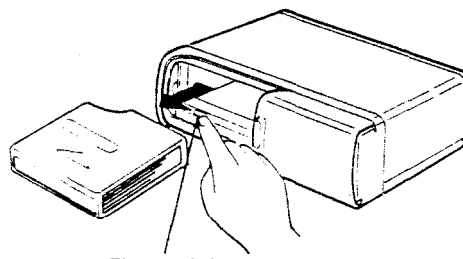
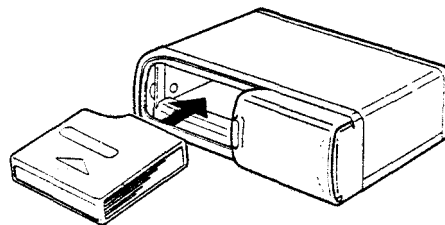
Be sure that the top of the magazine is up, and gently insert it into the unit, until it clicks into place.



Door

3 REMOVING THE MAGAZINE

Push in the eject switch. After a few seconds the magazine will eject from the unit. Remove the magazine.



Eject switch

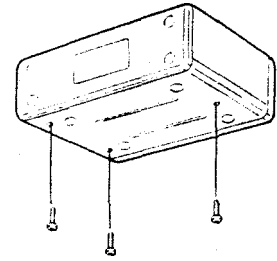
Note

Be sure to slide the door closed, after the magazine has been installed. If the door is left open, dust could enter the unit causing a malfunction.

BEFORE INSTALLING THE UNIT

Transport lock screws

The mechanism in the CD changer is "locked" into place during shipment by the transport screws. Be sure to remove the screws prior to installation.



Caution

After removing the transport lock screws, place the supplied seals over the screw holes. These seals are used to keep dust out of the unit, which could cause a malfunction.

Installation and Wiring Precautions

1 To prevent a short-circuit,

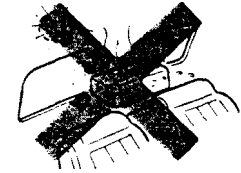
- Be sure to turn off the ignition and remove the negative (-) battery cable, prior to installation.
- Connect power wires (yellow) last.

Note

If the changer is to be installed in a car that is equipped with an on-board drive or navigation computer, do not disconnect the battery cable. If the cable is disconnected, the computer memory may be lost. Under these conditions, use extra caution during installation, not to cause a short circuit.

2 Do not install the unit in the following locations.

- Locations exposed to direct sunlight.
- Where hot air is discharged from the car heater.
- In areas subject to extreme temperatures.



3 Incorrect installation can cause the sound to "skip" when playing a disc. Mount the unit firmly in place, using the supplied brackets and screws.

4 Be careful not to damage the car wiring.

- 5**
- Be sure to use the supplied screws.
 - Be careful not to snag any wires when tightening screws and installing the ground wire.
 - Do not use any of the screws that are part of the brake or steering system, to install the unit.

6 • Install the unit as closely to vertically or horizontally as possible. If the unit must be inclined, the angle must be 15° or less.

Installation and inclination angle

	Horizontal mounting	Vertical mounting
Installation		
Angle		

WIRING

1. DIN cable (8-pin)

Connect this cable to the FXR-61 TB, LB, GB/FXR-71TB, LB/FM Modulator/Ground Isolator or Divider unit.

2. +12V Power wire (YELLOW)

Connect this wire to a terminal which is always energized.

When fuse replacement is necessary, use only a 5 amp fuse.

3. Ground wire (BLACK)

Attach this wire to the chassis of the car. Be sure that the surface is free of paint, and is not rusty. If a proper ground connection is not made, the CD changer may not operate correctly and stray noise may be picked up by the unit.

4. Reset button

Be sure to press this button when all wiring is completed or when car battery is replaced.

When a malfunction occurs during CD play, press the button and follow this procedure.

1) The magazine will be automatically ejected in about 3 seconds after RESET button is pressed.

- A disk being played will still remain on the turntable.

2) Empty the magazine, and insert it again.

- The disk on the turntable is automatically housed, and the magazine will be ejected after about 8 seconds.

3) Press the commander reset button after the magazine has been ejected.

Normal operation will then return.

5. Changer selector switch

Do not use this switch if only 1 CD changer is being used. It is used only when 2 CD changers (FXD-C200) are attached.

On how to use it, refer to the operation manual of the divider unit (FTP-CH1 S).

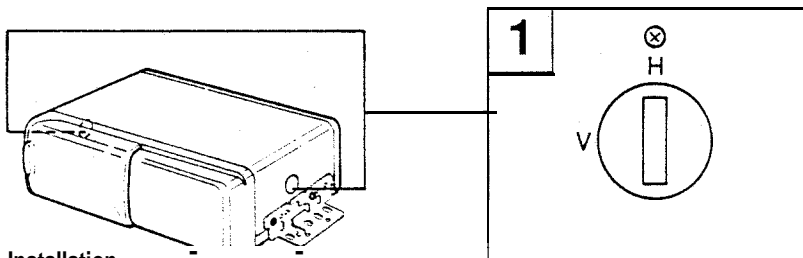
SPRING ATTACHMENT

This CD changer can be installed either horizontally or vertically. It is necessary to change the direction of the spring attachment according to the installing direction.

Choose where to install the CD changer and decide whether to install it horizontally or vertically.

• Horizontal Installation

1) The default setting is horizontal. Check that the spring attachment is on the (H) mark side as shown in the diagram.



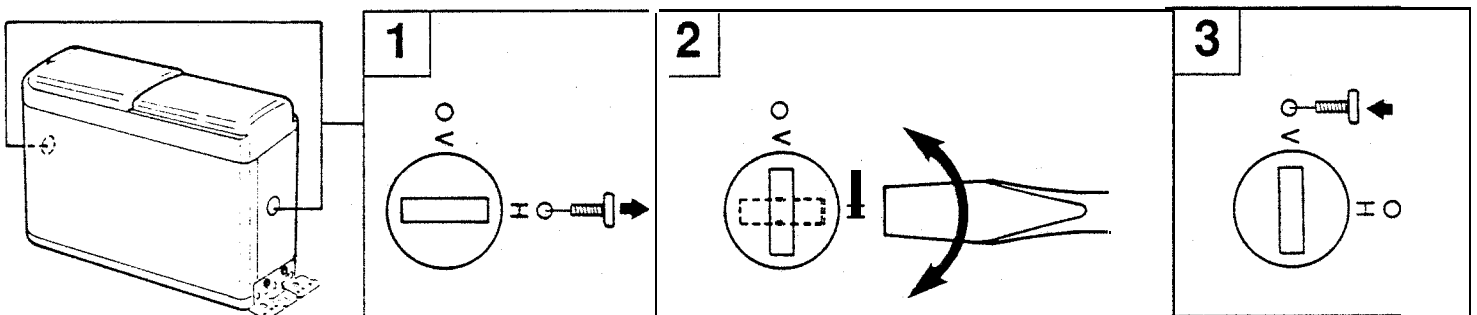
• Vertical Installation

It is necessary to change the spring attachment position.

1) Remove the lock screws on the side of the set using a Phillips screwdriver.

2) Turn the spring attachment to the (V) mark side using a screwdriver.

3) Reset the screws on the (V) mark side.



INSTALLATION PARTS

- | | | |
|---|----------------------------|--------------------------|
| 1. Bracket A | 6. Tapping SCREW (M5 x 12) | 11. Double sided tape |
| 2. Bracket B | 7. Nut (M6) | 12. DIN 8pin cable |
| 3. Hexagonal bolt with washer (M6 x 20) | 8. Lock washer (M5) | 13. Power Cable (Yellow) |
| 4. Hexagonal bolt with washer (M5 x 12) | 9. Flat washer (M5) | |
| 5. Hexagonal bolt with washer (M5 x 8) | 10. seal | |

INSTALLATION

Procedure for Installation on Carpet (Horizontal Position)

1. Attach two brackets (A) to each side of the unit, using the hexagonal bolts with washer base (M5 x 8).
2. Attach brackets (B) to brackets (A).
3. Lift the carpet and determine the mounting location. Remove the protective paper from one side of the double sided tape and apply a piece on the bottom of both (B) brackets. Then remove the protective paper from the exposed side of the two sided tape.
4. Press the unit to the floor, then remove the screws and lift off the changer.
5. Lay down the carpet. Cut a "X" on each area of the carpet where a mounting bolt will pass through.
6. Mount the unit in place, using four hexagonal bolts (M5 x 12).

Procedure for Installation on Carpet (Vertical Position)

1. It is necessary to change the spring attachment position.
 - 1) Remove the lock screws on the side of the set using a Phillips screwdriver.
 - 2) Turn the spring attachment to the (V) mark side using a screwdriver.
 - 3) Reset the screws on the (V) mark side.
 - 4) Attach two brackets (A) to each side of the unit, using the hexagonal bolts with washer (M5 x 8).
2. Attach brackets (B) to brackets (A).
3. Lift the carpet and determine the mounting location. Remove the protective paper from one side of the double sided tape and apply a piece on the bottom of both (B) brackets. Then remove the protective paper from the exposed side of the two sided tape.
4. Press the unit to the floor, then remove the screws and lift off the changer.
5. Lay down the carpet. Cut a "X" on each area of the carpet where a mounting bolt will pass through.
6. Mount the unit in place, using four hexagonal bolts (M5 x 12).

Procedure for Rear Tray Installation

1. Attach two brackets (A) to each side of the unit, using the hexagonal bolts with washer (M5 x 8).
2. Determine the mounting location and drill four mounting holes.
3. Mount the unit in place. using washer base hexagonal bolts (M6 x 20) and hexagonal nuts (M6).

