



Operating Instructions



• Please read these instructions carefully before using this product and keep this manual for future reference.

Safety Information

- Read the operating instructions for the unit and all other components of your car audio system carefully before using the system. They contain instructions about how to use the system in a safe and effective manner. Panasonic assumes no responsibility for any problems resulting from failure to observe the instructions given in this manual.
- This manual uses pictographs to show you how to use the product safely and to alert you to potential dangers resulting from improper connections and operations. The meanings of the pictographs are explained below. It is important that you fully understand the meanings of the pictographs in order to use this manual and the system properly.

Warning
This pictograph intends to alert you to the presence of important operating instructions and installation instructions. Failure to heed the instructions may result in severe injury or death.

Caution
This pictograph intends to alert you to the presence of important operating instructions and installation instructions. Failure to heed the instructions may result in injury or material damage.

Warning

Observe the following warnings when using this unit.

- The driver should neither watch the display nor operate the system while driving.**
Watching the display or operating the system will distract the driver from looking ahead of the vehicle and can cause accidents. Always stop the vehicle in a safe location and use the parking brake before watching the display or operating the system.
- Use the proper power supply.**
This product is designed for operation with a negative grounded 12 V DC battery system. Never operate this product with other battery systems, especially a 24 V DC battery system.
- Protect the Deck Mechanism.**
Do not insert any foreign objects into the slot of this unit.
- Do not disassemble or modify the unit.**
Do not disassemble, modify the unit or attempt to repair the product yourself. If the product needs to be repaired, consult your dealer or an authorized Panasonic Service Centre.
- Do not use the unit when it is out of order.**
If the unit is out of order (no power, no sound) or in an abnormal state (has foreign objects in it, is exposed to water, is smoking, or smells), turn it off immediately and consult your dealer.
- Refer fuse replacement to qualified service personnel.**
When the fuse burns out, eliminate the cause and have it replaced with the fuse prescribed for this unit by a qualified service engineer. Incorrect replacement of the fuse may lead to smoke, fire, and damage to the product.

Observe the following warnings when installing.

- Disconnect the lead from the negative (-) battery terminal before installation.**
Wiring and installation with the negative (-) battery terminal connected may cause electrical shock and injury due to a short circuit. Some cars equipped with the electrical safety system have specific procedures of battery terminal disconnection.
FAILURE TO FOLLOW THE PROCEDURE MAY LEAD TO THE UNINTENDED ACTIVATION OF THE ELECTRICAL SAFETY SYSTEM RESULTING IN DAMAGE TO THE VEHICLE AND PERSONAL INJURY OR DEATH.
- Never use safety-related components for installation, grounding, and other such functions.**
Do not use safety-related vehicle components (fuel tank, brake, suspension, steering wheel, pedals, airbag, etc.) for wiring or fixing the product or its accessories.
- Installing the product on the air bag cover or in a location where it interferes with airbag operation is prohibited.**
Check for piping, gasoline tank, electric wiring, and other items before installing the product.
If you need to open a hole in the vehicle chassis to attach or wire the product, first check where the wire harness, gasoline tank, and electric wiring are located. Then open the hole from outside if possible.
- Never install the product in a location where it interferes with your field of vision.**
- Never have the power cord branched to supply other equipment with power.**
- After installation and wiring, you should check the normal operation of other electrical equipment.**
The continuation of their using in abnormal conditions may cause fire, electrical shock or a traffic accident.
- In the case of installation to an airbag-equipped car, confirm warnings and cautions of the vehicle manufacturer before installation.**
- Make sure the leads do not interfere with driving or getting in and out of the vehicle.**
- Insulate all exposed wires to prevent short circuiting.**

Caution

Observe the following cautions when using this unit.

- Keep the sound volume at an appropriate level.**
Keep the volume level low enough to be aware of road and traffic conditions while driving.
- This unit is designed for use exclusively in automobiles.**
- Do not operate the unit for a prolonged period with the engine turned off.**
Operating the audio system for a long period of time with the engine turned off will drain the battery.
- Do not expose the unit to direct sunlight or excessive heat.**
Otherwise these will raise the interior temperature of the unit, and it may lead to smoke, fire, or other damage to the unit.
- Do not use the product where it is exposed to water, moisture, or dust.**
Exposure of the unit to water, moisture, or dust may lead to smoke, fire, or other damage to the unit. Make especially sure that the unit does not get wet in car washes or on rainy days.

Observe the following cautions when installing.

- Refer wiring and installation to qualified service personnel.**
Installation of this unit requires special skills and experience. For maximum safety, have it installed by your dealer. Panasonic is not liable for any problems resulting from your own installation of the unit.
- Follow the instructions to install and wire the product.**
Not following the instructions to properly install and wire the product could cause an accident or fire.
- Take care not to damage the leads.**
When wiring, take care not to damage the leads. Prevent them from getting caught in the vehicle chassis, screws, and moving parts such as seat rails. Do not scratch, pull, bend or twist the leads. Do not run them near heat sources or place heavy objects on them. If leads must be run over sharp metal edges, protect the leads by winding them with vinyl tape or similar protection.
- Use the designated parts and tools for installation.**
Use the supplied or designated parts and appropriate tools to install the product. The use of parts other than those supplied or designated may result in internal damage to the unit. Faulty installation may lead to an accident, a malfunction or fire.
- Do not block the air vent or the cooling plate of the unit.**
Blocking these parts will cause the interior of the unit to overheat and will result in fire or other damage.
- Do not install the product where it is exposed to strong vibrations or is unstable.**
Avoid slanted or strongly curved surfaces for installation. If the installation is not stable, the unit may fall down while driving and this can lead to an accident or injury.
- Installation Angle**
The product should be installed in a horizontal position with the front end up at a convenient angle, but not more than 30°. The user should bear in mind that in some areas there may be restrictions on how and where this unit must be installed. Consult your dealer for further details.
- Wear gloves for safety. Make sure that wiring is completed before installation.**
- To prevent damage to the unit, do not connect the power connector until the whole wiring is completed.**
- Do not connect more than one speaker to one set of speaker leads. (except for connecting to a tweeter)**

Information on Disposal for Users of Waste Electrical & Electronic Equipment (private households)

- This symbol on the products and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste.
- For proper treatment, recovery and recycling, please take these products to designated collection points, where they will be accepted on a free of charge basis. Alternatively, in some countries you may be able to return your products to your local retailer upon the purchase of an equivalent new product.
- Disposing of this product correctly will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point.
- Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in other Countries outside the European Union

This symbol is only valid in the European Union.
If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

Label Indications and Their Locations

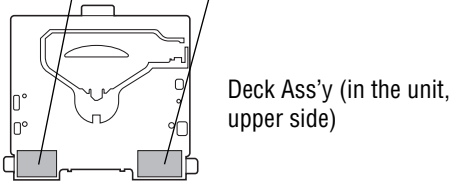
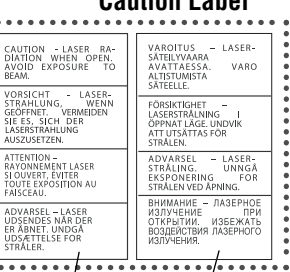
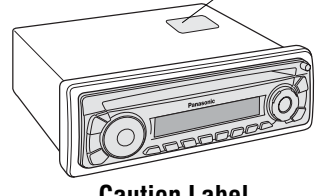
CAUTION
LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.

Caution

This product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Do not take apart this unit or attempt to make any changes yourself.
This unit is a very intricate device that uses a laser pickup to retrieve information from the surface of compact discs. The laser is carefully shielded so that its rays remain inside the cabinet. Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.

CLASS 1 LASER PRODUCT



Before Reading These Instructions

Panasonic welcomes you to our constantly growing family of electronic products owners. We endeavor to give you the advantages of precise electronic and mechanical engineering, manufactured with carefully selected components, and assembled by people who are proud of the reputation their work has built 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.

Accessories

	Operating Instructions (English) :YFM284C651CA	Q'ty: 1
	Installation Instructions (English) :YFM284C083CA	Q'ty: 1
	PAN EUROPEAN GUARANTEE	Q'ty: 1
	Lock Cancel Plate	Q'ty: 2
	Mounting Bolt	Q'ty: 1
	Mounting Collar (FX0214C384ZB)	Q'ty: 1
	Trim Plate (YFC054C079YA)	Q'ty: 1
	Power Connector (YEAJ02874)	Q'ty: 1

Request for use of the Removable Face Plate Case

- To avoid trouble and ensure safety, use the optional Removable Face Plate Case (YFC054C061ZB)



Sales and Support Information

- Customer Care Centre**
- For customers within the UK: 08705 357357
 - For customers within the Republic of Ireland: 01 289 8333
 - Visit our website for product information
 - E-mail: customer.care@panasonic.co.uk

- Direct Sales at Panasonic UK**
- Order accessories and consumable items for your product with ease and confidence by phoning our Customer Care Centre Monday - Thursday 9:00am - 5:30pm, Friday 9:30am - 5:30pm. (Excluding public holidays).
 - Or go on line through our Internet Accessory ordering application at www.panasonic.co.uk.
 - Most major credit and debit cards accepted.
 - All enquiries, transactions and distribution facilities are provided directly by Panasonic UK Ltd.
 - It couldn't be simpler!
 - Also available through our Internet is direct shopping for a wide range of finished products, so take a browse on our website for further details.

Notes on Discs

If you use commercial CDs, they must have the label shown at right. Some copy-protected music CDs are not playable.

How to hold a disc

- Do not touch the underside of a disc.
- Do not scratch on a disc.
- Do not bend a disc.
- When not in use, keep the disc in a case.

Do not leave discs in the following places:

- In direct sunlight
- Near car heaters
- Dirty, dusty and damp areas
- On seats and dashboards

Disc cleaning
Use a dry, soft cloth to wipe from the center outward.

Do not write on the disc label with a ballpoint pen or other hard-point pens.

Labels created by a printer, protective films or sheets

Irregularly shaped discs

<Correct> <Wrong>

Disc with adhered stickers or tape

Discs with cracks, scratches or parts missing

- You may have trouble playing back some CD-R/RW discs recorded using CD recorders (CD-R/RW drives), either due to their recording characteristics or dirt, fingerprints, scratches, etc. on the disc surface.
- CD-R/RW discs are less resistant to high temperatures and high humidity than ordinary music CDs. Leaving them inside a car for extended periods may damage them and make playback impossible.
- Some CD-R/RWs cannot be played back successfully due to incompatibility among writing software, a CD recorder (CD-R/RW drive) and the discs.
- This player cannot play the CD-R/RW discs if the session is not closed.
- This player cannot play the CD-R/RW discs which contain other than CD-DA data.
- Be sure to observe the instructions of the CD-R/RW disc for handling it.

Maintenance

Cleaning the Unit

Your product is designed and manufactured to ensure the minimum of maintenance. Use a dry, soft cloth for routine exterior cleaning. Never use benzine, thinner, or other solvents.

Fuse

If the replaced fuse fails, contact your nearest authorized Panasonic Service Centre.

Warning

- Use fuses of the same specified rating (15 A). Using substitutes or fuses with higher ratings, or connecting the unit directly without a fuse could cause fire or damage to the unit. If the replaced fuse fails, contact your nearest authorized Panasonic Service Centre.

Anti-Theft System

This unit is equipped with a removable face plate. Removing this face plate makes the unit totally inoperable.

Caution

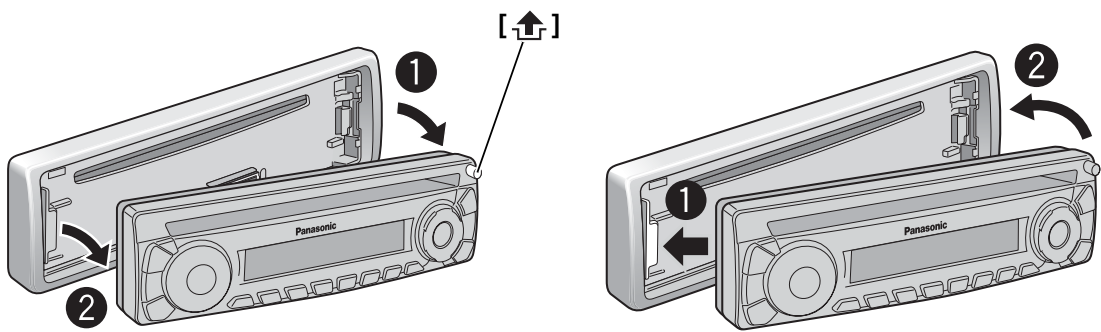
- This face plate is not waterproof. Do not expose it to water or excessive moisture.
- Do not remove the face plate while driving your car.
- Do not place the face plate on the dashboard or nearby areas where the temperature rises high.
- Do not touch the contacts on the face plate and the main unit, since this may result in poor electrical contact.
- If dirt or other foreign substances get on the contacts, wipe them off with a clean and dry cloth.

Removing

- Turn off the power.
- Press [↑]. The face plate will open.
- Pull it out toward you.

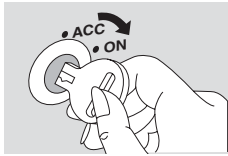
Mounting

- Slide the left side of the face plate in place.
- Press the right end of face plate until a "click" is heard.



Preparation

- Set your car's ignition switch to the ACC or ON position.
- Press [SRC] (PWR: Power).



First Time Power On

The 24-hour system is used for the clock.

- Press [DISP] (CLOCK).



- Hold down [DISP] (CLOCK) for more than 2 seconds.



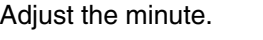
- Adjust the hour.



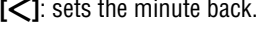
- Press [DISP] (CLOCK).



- Adjust the minute.



- Press [DISP] (CLOCK).



- Press [DISP] (CLOCK).



- Notes:**
- "Adj" is displayed before adjusting the clock.
 - Hold down [←] or [→] to change numbers rapidly.

Specifications

Power supply	DC 12 V (11 ~ 16 V), test voltage 14.4 V, negative ground
Current consumption	Less than 2.2 A (CD mode; 0.5 W x 4 channels)
Tone adjustment range	Bass: ±12 dB at 100 Hz, Treble: ±12 dB at 10 kHz
Dimensions (W x H x D)	178 x 50 x 155 mm
Weight	1.3 kg
Maximum power output	45 W x 4 channels (at 1 kHz), volume control maximum
Power output	20 W x 4 (DIN 45 324, at 4 Ω)
Speaker impedance	4 ~ 8 Ω

Sampling frequency	8 times oversampling
DA converter	1 bit DAC System
Pick-up type	Astigma 3 - beam
Light source	Semiconductor laser
Wave length	790 nm
Frequency response	20 Hz ~ 20 kHz (±1 dB)
Signal to noise ratio	96 dB
Wow and flutter	Below measurable limits
Channel separation	75 dB

FM	
Frequency Range	87.5 MHz ~ 108 MHz
Usable Sensitivity	6 dBμV (S/N 30 dB)
Stereo Separation	35 dB (at 1 kHz)
AM (MW)	
Frequency Range	531 kHz ~ 1 602 kHz
Usable Sensitivity	28 dBμV (S/N 20 dB)

- Notes:**
- Specifications and design are subject to modification without notice due to improvements.
 - Some figures and illustrations in this manual may be different from your product.

General

[VOLUME▲] [VOLUME▼] adjusts the volume.

lights when mute is on.

[D•M] (Direct Memory) tunes into the station memorized in D•M. (Hold down it for more than 2 seconds to memorize the current station.)

[SRC] (Source) selects a source. (PWR) (Power) toggles power on/off.

[MUTE] toggles mute on/off.

[SQ] (Sound Quality) selects a sound type (SQ).

Power On/Off

Set your car's ignition switch to the ACC or ON position.

Power on: Press [SRC] (PWR).

Power off: Hold down [SRC] (PWR) for more than 1 second.

Source Selection

Press [SRC] to change the source.

Radio ↔ Disc Player

Volume Adjustment

(Setting Range: 0 to 40, Default: 18)

UP : Press [▲]

Down : Press [▼]

Up

Down

Mute

ON: Press [MUTE]. (MUTE lights.)

OFF: Press [MUTE] again.

SQ (Sound Quality)

SQ is a function that can call up various sound types at the touch of button in accordance with your listening music type.

Press [SQ] to select the sound type as follows:

[FLAT] (FLAT) flat frequency response: does not emphasize any part. (Default)

[ROCK] (ROCK) speedy and heavy sound: exaggerates bass and treble.

[POP] (POP) wide-ranged and deep sound: slightly emphasizes bass and treble.

[VOCAL] (VOCAL) clear sound: emphasizes middle tone and slightly emphasizes treble.

Note: Settings of SQ, bass and treble are influenced one another. If such an influence causes distortion to the audio signal, readjust bass/treble or volume.

Radio (AM [MW]/FM)

[BAND] selects a band in the radio source. (APM) (Auto Preset Memory) executes APM in the radio source. (Hold it down for more than 2 seconds.)

[SRC] (Source) selects a source

[DISP] (Display) (CLOCK) switches the information on the display, sets the clock time.

[TUNE <] [TUNE >] down/up the frequency. (Hold it down for more than 0.5 seconds and release it for seek tuning.)

[Preset buttons [1] to [6]] selects a preset station in the radio source, and presets the current station. (Hold it down for more than 2 seconds.)

[STEREO] (Stereo) indicator

Operation Flow

1 Press [SRC] to select the radio source.

2 Press [BAND] to select a band.

3 Select a station.

Frequency adjustment

[TUNE <]: Lower

[TUNE >]: Higher

Note: Hold down either of them for more than 0.5 seconds and release it for seek tuning.

Preset station selection

Press the corresponding preset button from [1] to [6] to tune into a preset station.

D•M station calling

1 Press [D•M].

Press again to cancel.

D•M station writing

1 Select a station you would like to preset.

2 Hold down [D•M] for more than 2 seconds.

Radio Source Display

lights while receiving an FM stereo signal.

Frequency Band Preset Number

lights while receiving the D•M (Direct Memory) station.

Auto Preset Memory (APM)

With this operation, stations with good receiving conditions can be automatically stored in the preset memory.

1 Select a band.

2 Hold down [BAND] (APM) for more than 2 seconds.

The preset stations under best receiving conditions are received for 5 seconds each after presetting the stations (SCAN). To stop scanning, press one of the buttons from [1] to [6].

Note: New stations overwrite existing saved stations.

Manual station preset

1 Tune into a station.

2 Hold down one of the preset buttons from [1] to [6] for more than 2 seconds.

Display change

Press [DISP] to change the display.

AM (MW) mode:

Band/frequency

Clock display

FM mode:

Band/frequency

Clock display

Station Preset

Troubleshooting

If You Suspect Something Wrong

Check and take steps as described below.

If the described suggestions do not solve the problem, it is recommended to take the unit to your nearest authorized Panasonic Service Centre. The product should be serviced only by qualified personnel. Please refer the checking and the repair to professionals. Panasonic shall not be liable for any accidents arising out of neglect of checking the unit or your own repair after your checking.

Never take measures especially for those other than indicated by *italic* letters in "Check point" described below because those are too dangerous for users to handle themselves.

Trouble	Check point
Common	
No power	<ul style="list-style-type: none">Start the engine. (Or turn the ignition switch to the ACC position.)Verify the wiring. (battery lead, power lead, ground lead, etc.)Fuse blown (Contact the nearest Panasonic Service Centre.)Ask a professional for fuse replacement.Be sure to use the same rated fuse.
No sound	<ul style="list-style-type: none">Disable the mute function.Verify the wiring.Wait until the dew disappears before turning on the unit.
Noise	<ul style="list-style-type: none">Make sure that grounding is established properly.
No sound from left, right, front, or rear speaker	<ul style="list-style-type: none">Adjust the balance and fader.Verify the wiring.
Left and right sounds are reversed	<ul style="list-style-type: none">Connect the speaker lead correctly.

Trouble	Check point
Radio	
Frequent noise	<ul style="list-style-type: none">Tune in to another station of high-intensity waves.Make sure that the antenna mounted point is grounded properly.
Preset data deleted	<ul style="list-style-type: none">The preset memory is cleared to return to the original factory setting when the power connector or battery is disconnected.

Error Display Messages

-E1- (The disc is ejected automatically.) The disc is dirty, or is upside down. The disc has scratches.

-E2- Check the disc.

-E3- No operation by some cause.

If normal operation is not restored, consult your dealer or the nearest Service Centre to ask for repairs.

Disc Player

No sound, or disc is automatically ejected

- Load the disc correctly.
- Clean the disc.

Sound skip, poor sound quality

- Clean the disc.

Sound skip due to vibration

- The maximum permissible tilt angle is 30°.
- Secure the unit.

Disc not ejectable

- Press [▲]. If the disc is still not ejected, contact the nearest Panasonic Service Centre.

Audio Settings

[SEL] (Select) selects items in the audio menu.

[DISP] (Display) exits from the audio menu.

[▲] [▼] selects a value in the audio menu.

Audio Menu

1 Press [SEL] (Select) to display the audio menu display.

Note: If no operation takes place for more than 5 seconds in the audio menu (2 seconds in Main volume adjustment), the display returns to the regular mode.

2 Press [SEL] (Select) to select a mode to be adjusted.

3 Press [▲] or [▼].

VOL Volume (Setting Range: 0 to 40, Default: 18)

BAS Bass (Setting Range: -12 dB to +12 dB by 2 dB, Default: 0 dB)

TRE Treble (Setting Range: -12 dB to +12 dB by 2 dB, Default: 0 dB)

BAL Balance (Setting Range: 15 levels each and 0 (center), Default 0)

FAD Fader (Setting Range: 15 levels each, Default CNT (centre))

Memorandum

Disc Player

Disc slot takes a disc in with the printed side facing up.

Printed side

[◀▶] skip to the previous/next track in the player source. Hold down either of them for fast reverse/fast forward.

[▲] (Eject) ejects the disc.

[DISP] (Display) switches the information on the display.

[SRC] (Source) selects a source.

[1] to [6] (7) to [12] (Hold down one of them for more than 2 seconds.) select a track directly.

[REP] (Repeat) toggles on/off the repeat play. (RANDOM) toggles on/off the random play. (Hold down it for more than 2 seconds.)

(SCAN) toggles on/off the scan play. (Hold down it for more than 2 seconds.)

[II / ▶] (Pause/Play) toggles pause/play in the player source.

[D•M] indicator

Caution

- Do not insert a disc when the indicator lights.
- Refer to the section of "Notes on Discs".
- This unit does not support 8 cm discs.
- If you insert an 8 cm disc and cannot eject it, turn the ignition key to the ACC OFF position once and turn the key to the ACC ON position again, then press [▲] (Eject).
- Do not insert foreign objects into the disc slot.

Operation Flow

1 Press [SRC] to select the Disc Player source.

2 Select a desired portion.

Track selection

Press [◀▶] / [▶▶].

Note: To perform fast forward/reverse, hold down either of them.

Next track: [▶▶]

Previous track: [◀▶]

Pause

Press [BAND] [II / ▶].

Press again to cancel.

Direct track selection

Press a track number button from [1] to [6].

- The corresponding track (1-6) starts playing.

Hold down a track number button from [1] to [6] ((7) to (12)) for more than 2 seconds.

- The corresponding track (7-12) starts playing.

Memorandum

Memorandum

Random indicator

Play time

Track

lights when a disc is in the player.

Repeat indicator

Display change

Press [DISP] (Display) to change the display.

Player mode display (Default)

Clock display

Random play

All the available (tracks) are played in a random sequence.

Hold down [REP] (RANDOM) for more than 2 seconds.

Hold down again to cancel.

Repeat play

The current (track) is repeated.

Press [REP] (REPEAT).

Press again to cancel.

Scan play

The first 10 seconds of each track is played in sequence.

Hold down [SQ] (SCAN) for more than 2 seconds.

(blinks during scanning)

Hold down again to cancel.

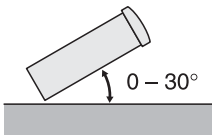
Player Source Display

Random, Repeat, Scan

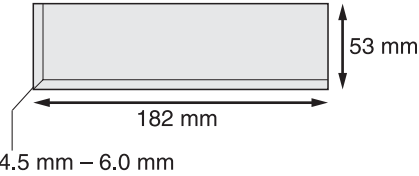
Before Installation

Consult a professional for installation.
●Verify the radio using the antenna and speakers before installation.

●Mounting angle side to side : horizontal
front to rear : 0 – 30°



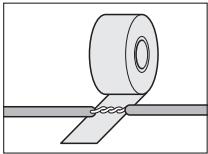
●Mounting space



Remove Mounting Collar ① and Trim Plate ④ from the main unit temporarily, which are already mounted at shipment.

Before Wiring

Exclusively operated with 12 V battery with negative (–) ground.
Connect the power lead (red) last. (for non-ISO connector)
Connect the battery lead (yellow) to the positive (+) terminal of the battery or fuse block terminal (BAT). (for non-ISO connector)
Strip about 5 mm of the lead ends for connection.
(for non-ISO connector)
Apply insulating tape to bare leads.
Secure loosened leads.



CD Player/Receiver
Model: CQ-C1115N



Supplied Hardware

No.	Item	Diagram	Q'ty	No.	Item	Diagram	Q'ty
①	Mounting Collar FX0214C384ZB		1	④	Trim Plate YFC054C079YA		1
②	Mounting Bolt (5 mm ø) *		1	⑤	Lock Cancel Plate *		2
③	Power Connector YEAJ02874		1				

* ② and ⑤ consist of a set. (ZZBISC1021N-J)

●Please read these instructions carefully before using this product and keep this manual for future reference.


Matsushita Electric Industrial Co., Ltd.
Web Site : <http://panasonic.net>

YFM294C083CA PTW1206-1106 Printed in China

Installation

How to install the unit

Caution
●Wear gloves for safety.
●Make sure that wiring is completed before installation.



1 Remove the cable from the battery negative terminal.

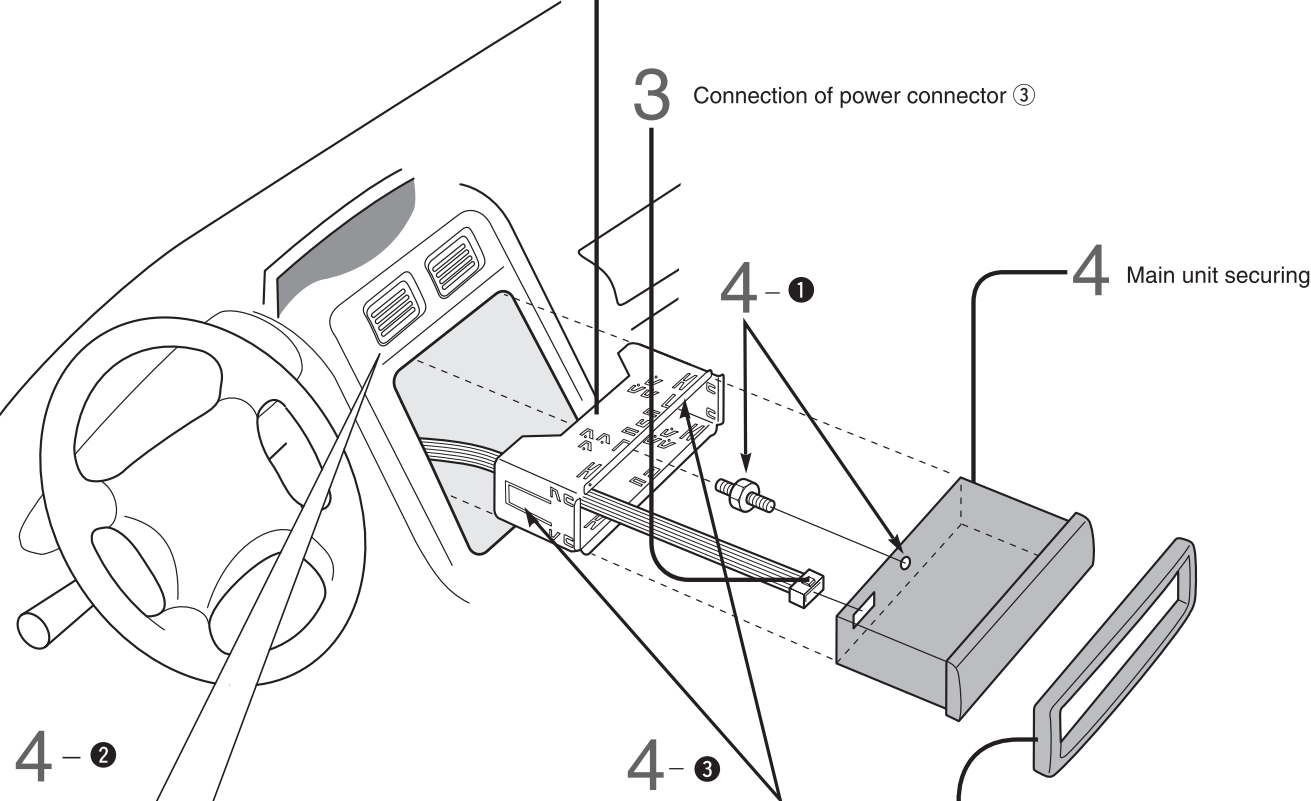
2 Mounting collar ① insertion
Bend mounting tabs.

3 Connection of power connector ③

4 Main unit securing

5 Trim plate ④ mounting

6 Battery cable reconnection



Securing to the fire wall

Using the rear support strap (Option)

Using the rubber bushing (Option)

3 mm

Tapping Screw (Option)

Rear Support Strap (Option)

Mounting Bolt ②

Hexagonal nut (Option)

To the unit

Rubber Bushing (Option)

Mounting Bolt ②

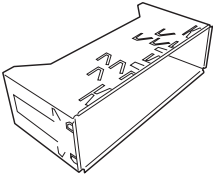
Rear Support Bracket (supplied with car)

To the unit

Clank!

Snapping point

Bend appropriate tabs to secure the unit without backlash.

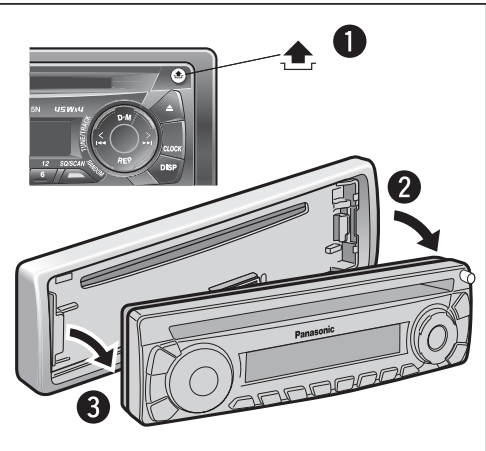


- ① Screw the mounting bolt ② into the main unit.
- ② Securing to the fire wall
- ③ Snap the right and left springs into each hole.

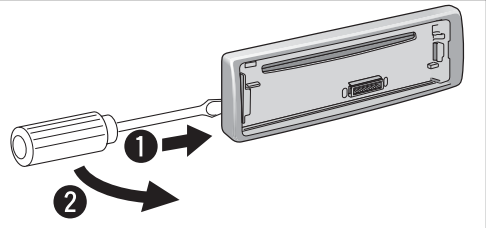
Caution
When this unit is installed in dashboard, ensure that there is sufficient air flow around the unit to prevent damage from overheating, do not block any ventilation holes on the unit.

How to remove the unit

1 Remove the face plate.

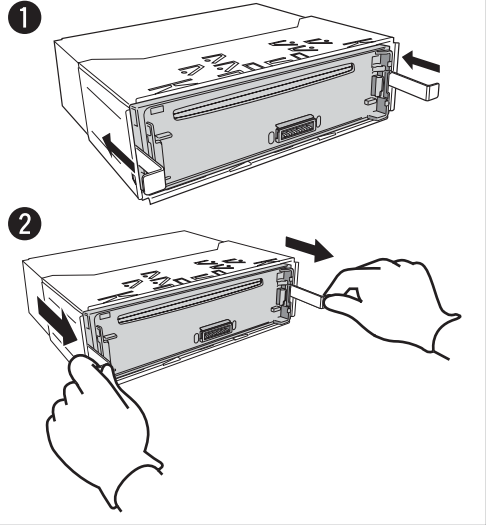


2 Remove the trim plate ④.

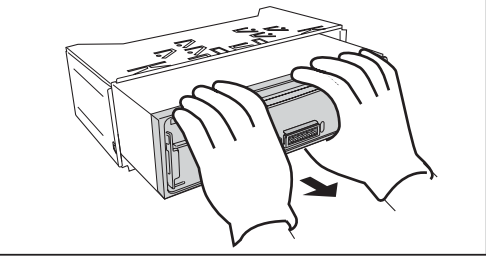


3 Lock release

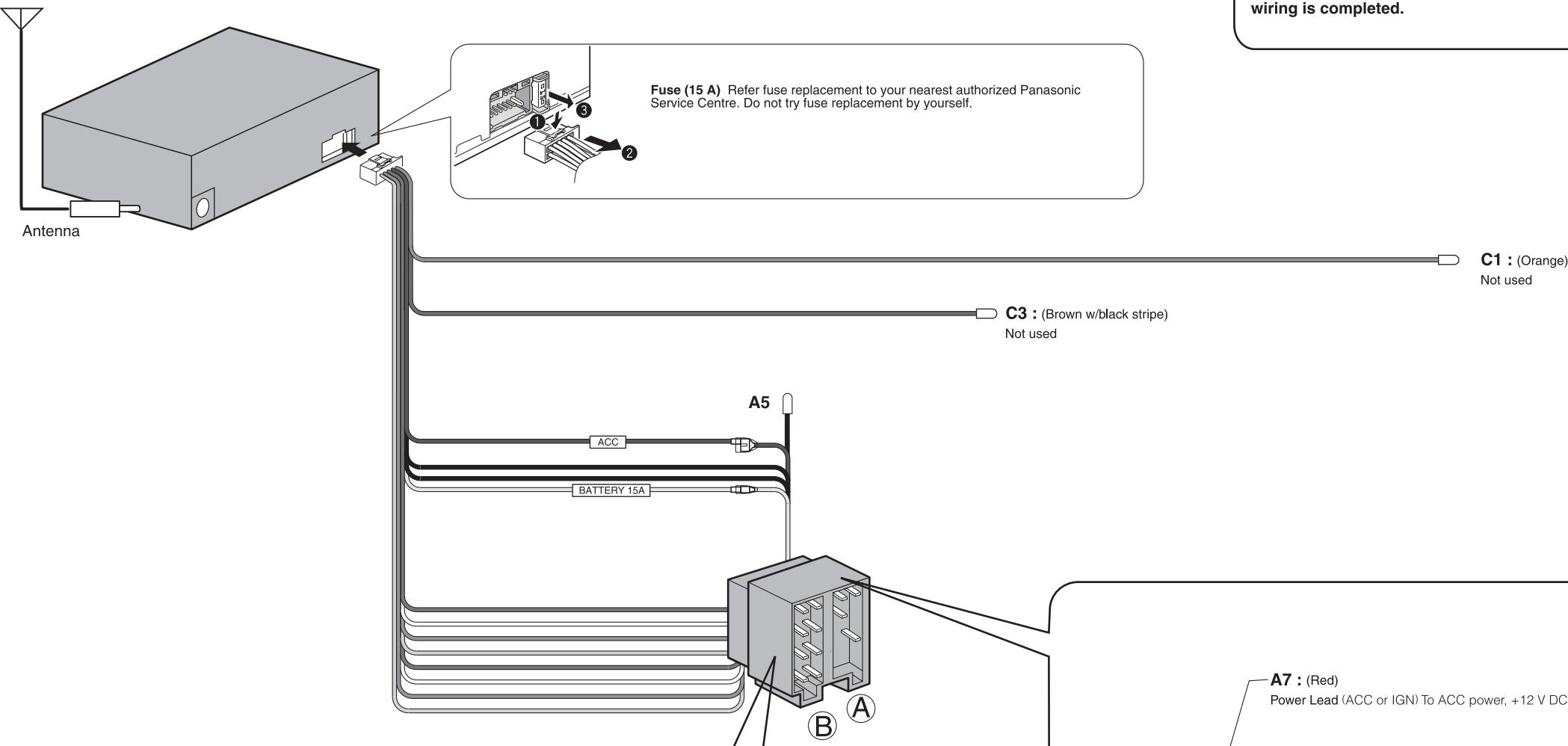
- ① Insert the lock cancel plate ⑤ until you hear a click.
- ② Pull the main unit.



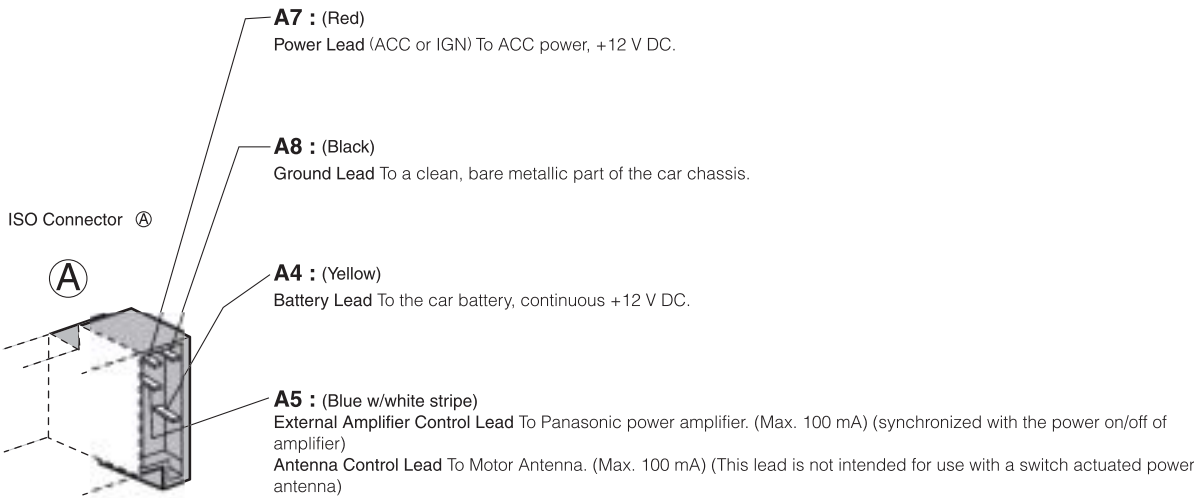
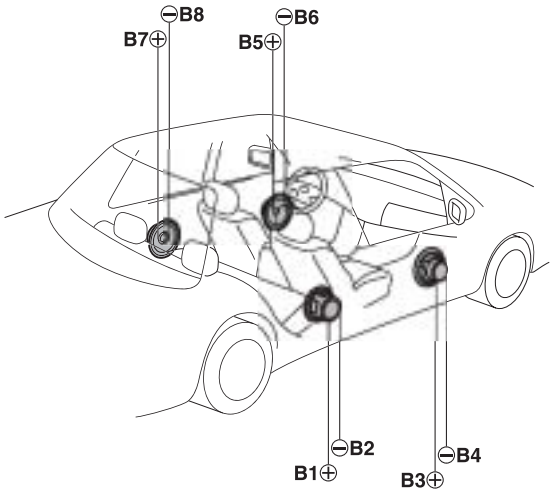
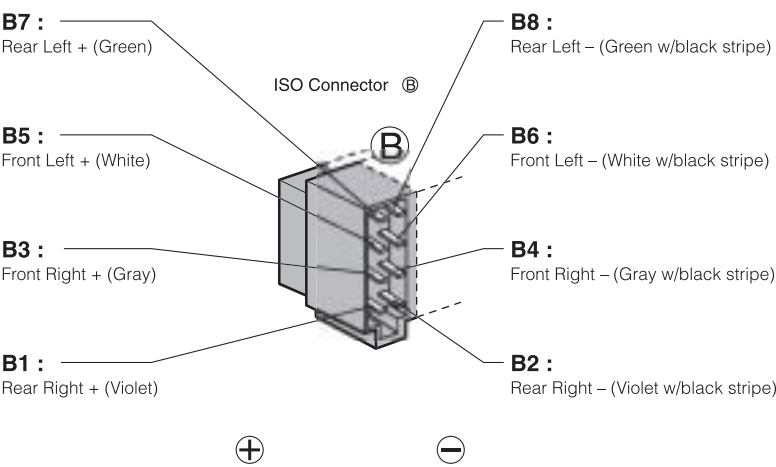
4 Pull out the unit with both hands.



Wiring

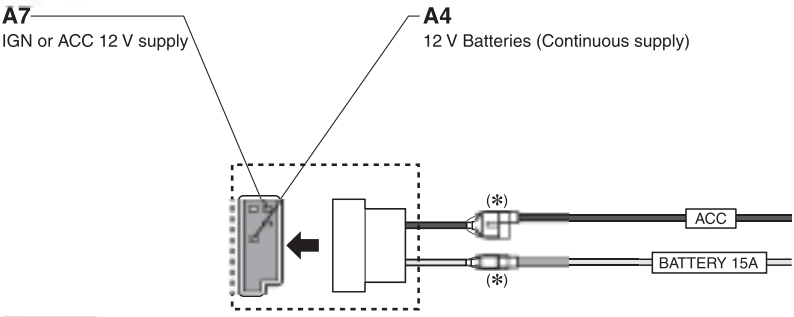


Caution
To prevent damage to the unit, do not connect the power connector until the whole wiring is completed.



Power connector

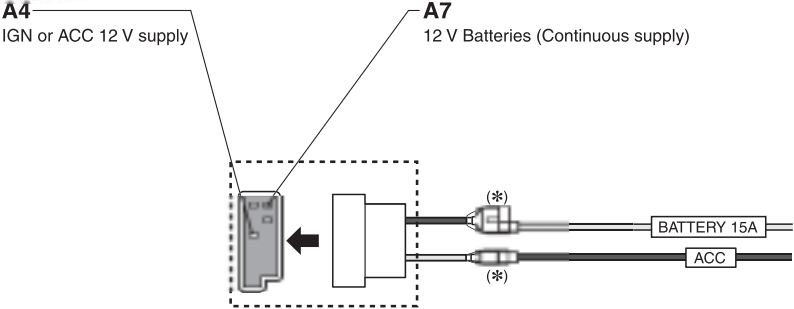
Standard ISO



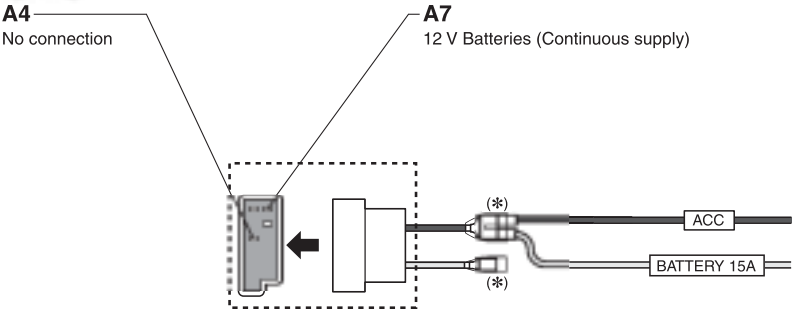
Precautions (ISO Connector)

- The pin arrangement of the power connector conforms to ISO standard.
 - Please check that the pin arrangement of the connector in your car conforms to ISO standard.
 - For car types A and B, change the wiring of the red and yellow leads as shown at below.
 - After connection, insulate the portions marked (*) with insulating tape.
- Note:** For cars other than types A and B, please consult your local car shop.

Car Type A

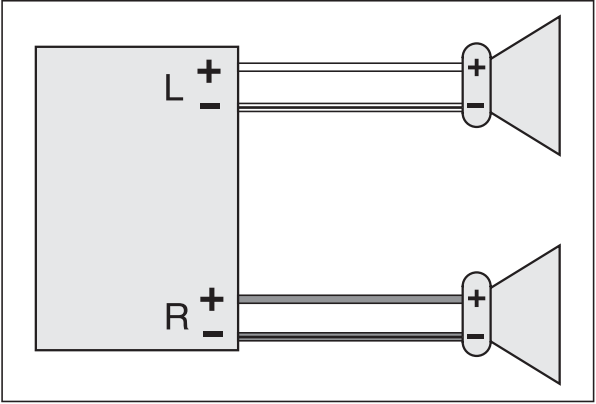


Car Type B

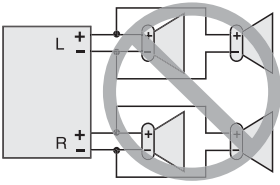


Speaker Connection

Connect as follows.



- Use ungrounded speakers only.
Allowable input : **45 W** or more
Impedance : 4-8 Ω
- Use of speakers which do not match the specifications can cause burning, smoking or damage of the speakers.
- Distance between speaker and amplifier: 30 cm or more



Caution

- Do not connect more than one speaker to one set of speaker leads. (except for connecting to a tweeter)

- Do not use a 3-wire type speaker system having a common earth lead.