

CD RECEIVER

RECEPTOR CON CD

For canceling the display demonstration, see page 7. Para cancelar la demostración en pantalla, consulte la página 7.

For installation and connections, refer to the separate manual. Para la instalación y las conexiones, refiérase al manual separado.



For customer Use: Enter below the Model No. and Serial No. which are located on the top or bottom of the cabinet.

Retain this information for future reference.

Model No.

Serial No.

KD-S12

KD-S12

Thank you for purchasing a JVC product.

Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

INFORMATION (For U.S.A.)

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

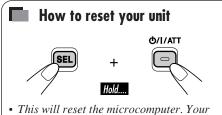
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and unit.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

IMPORTANT FOR LASER PRODUCTS

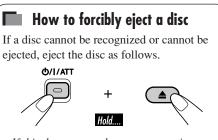
- 1. CLASS 1 LASER PRODUCT
- CAUTION: Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
- 3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.

Warning:

If you need to operate the unit while driving, be sure to look ahead carefully or you may be involved in a traffic accident.



- This will reset the microcomputer. Your preset adjustments will also be erased.
- If a disc is loaded, it will eject. Be careful not to drop the disc.



- If this does not work, reset your unit.
- Be careful not to drop the disc when it ejects.

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For safety....

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

Temperature inside the car....

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

ENGLISH

How to read this manual

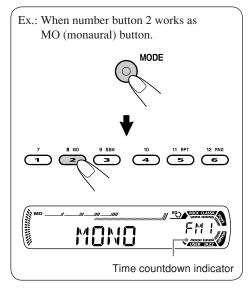
The following methods are used to make the explanations simple and easy-to-understand:

- Some related tips and notes are explained in "More about this unit" (see page 15).
- Button operations are mainly explained with the illustrations as follows:

	Press briefly.
	Press repeatedly.
	Press either one.
Hold	Press and hold until your desired response begins.
+ + Hold	Press and hold both buttons at the same time.

How to use the MODE button

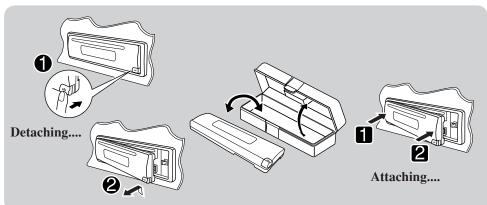
If you press MODE, the unit goes into functions mode, then the number buttons work as different function buttons.



To use these buttons for their original functions again after pressing MODE, wait for 5 seconds without pressing any of these buttons until the functions mode is cleared.

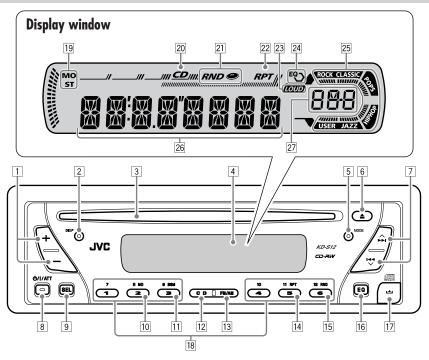
• Pressing MODE again also clears the functions mode.

How to detach/attach the control panel



Control panel — KD-S12

ENGLISH



Parts identification

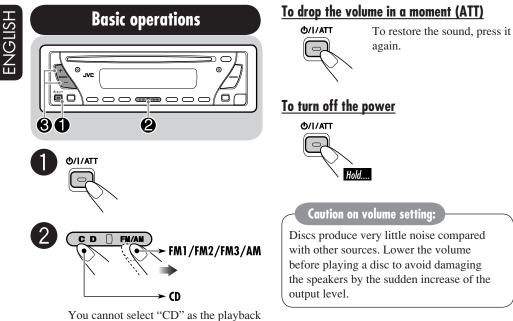
- 1 +/- buttons
- 2 DISP (display) button
- 3 Loading slot
- 4 Display window
- 5 MODE button
- $\boxed{6}$ \triangleq (eject) button
- 7 $\mathbf{A} \mathbf{E} \mathbf{A} \mathbf{A} \mathbf{A} \mathbf{A}$ buttons
- 8 **Ů/I/ATT** (standby/on/attenuator) button
- 9 SEL (select) button
- 10 MO (monaural) button
- SSM (Strong-station Sequential Memory)

 button
- 12 CD button
- 13 FM/AM button
- 14 RPT (repeat) button
- 15 RND (random) button
- 16 EQ (equalizer) button
- 17 (control panel release) button
- 18 Number buttons

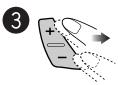
Display window

- IgTuner reception indicatorsMO (monaural), ST (stereo)
- 20 CD indicator
- 21 RND @ (disc random) indicator
- 22 RPT (repeat) indicator
- 23 LOUD (loudness) indicator
- 24 EQ (equalizer) indicator
- Sound mode (C-EQ: custom equalizer) indicators
 ROCK, CLASSIC, POPS, HIP HOP, JAZZ, USER
 - mm also works as the time countdown indicator.
- 26 Main display
- 27 Source display Volume level indicator

Getting started



You cannot select "CD" as the playback source if there is no disc in the loading slot.



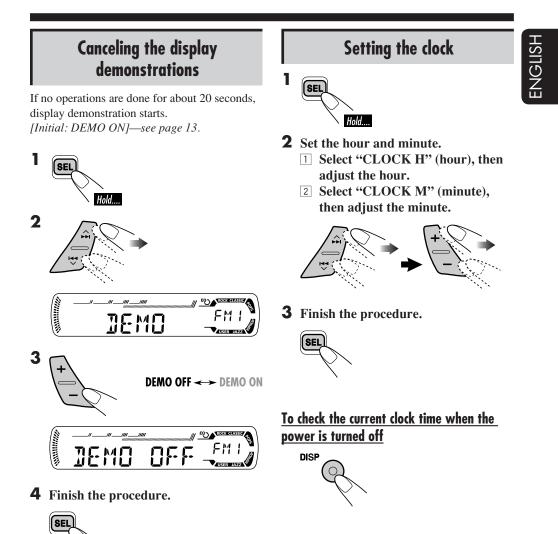
Volume level appears.



Volume level indicator

4

Adjust the sound as you want. (See page 12.)



To activate the display demonstration

In step **3** above...



DEMO OFF ←→ DEMO ON

7

Radio operations

Listening to the radio



Lights up when receiving an FM stereo broadcast with sufficient signal strength.

	EQ BOOK CLASSIC
נ	

Selected band appears.



Start searching for a station.

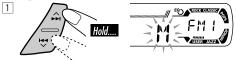


When a station is received, searching stops.

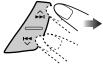
To stop searching, press the same button again.

To tune in to a station manually

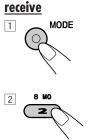
In step 2 above...



2 Select the desired station frequencies.



When an FM stereo broadcast is hard to



Lights up when monaural mode is activated.



Reception improves, but stereo effect will be lost.

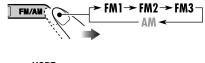
To restore the stereo effect, repeat the same procedure so that the MO indicator goes off.

Storing stations in memory

You can preset six stations for each band.

FM station automatic presetting— SSM (Strong-station Sequential Memory)

Select the FM band (FM1 – FM3) you want to store into.





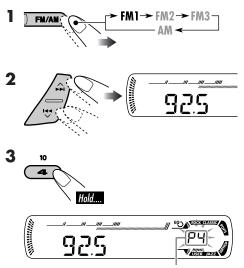


"SSM" flashes, then disappears when automatic presetting is over.

Local FM stations with the strongest signals are searched and stored automatically in the FM band.

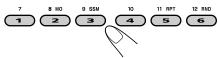
Manual presetting

Ex.: Storing FM station of 92.5 MHz into the preset number 4 of the FM1 band.

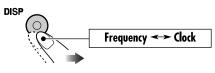


Preset number flashes for a while.

- Listening to a preset station
- **2** Select the preset station (1 6) you want.



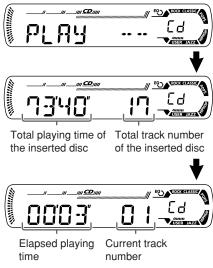
To check the current clock time while listening to an FM or AM station



Disc operations

Playing a disc

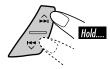
All tracks will be played repeatedly until you change the source or eject the disc.



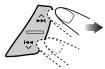
To stop play and eject the disc



To fast-forward or reverse the track

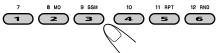


To go to the next or previous tracks

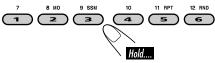


To go to a particular track directly

To select a number from 01 - 06:



To select a number from 07 - 12:



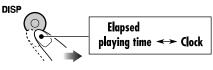
Prohibiting disc ejection

You can lock a disc in the loading slot.



To cancel the prohibition, repeat the same procedure.

To check the current clock time while listening to a disc

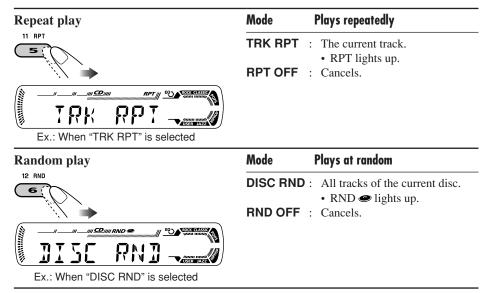


Selecting the playback modes

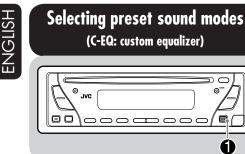
You can use only one of the following playback modes at a time.



2 Select your desired playback mode.



Sound adjustments



You can select a preset sound mode suitable to the music genre.

1	EO → USER → ROCK → CLASSIC JAZZ ← HIP HOP ← POPS ←
---	--

Indiantian	F am	Preset values		
Indication	For:	BAS*1	TRE*2	LOUD*3
USER	(Flat sound)	00	00	OFF
ROCK	Rock or disco music	+03	+01	ON
CLASSIC	Classical music	+01	-02	OFF
POPS	Light music	+04	+01	OFF
HIP HOP	Funk or rap music	+02	00	ON
JAZZ	Jazz music	+02	+03	OFF

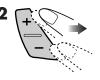
*1 BAS: Bass; *2 TRE: Treble;

*3 LOUD: Loudness

Adjusting the sound

You can adjust the sound characteristics to your preference.





Indication pattern changes as you adjust the level.



Ex.: When "TRE" is selected

Indication	Range
BAS *4 (bass)	-06 (min.) to
Adjust the bass.	+06 (max.)
TRE ^{*4} (treble)	-06 (min.) to
Adjust the treble.	+06 (max.)
FAD *5 (fader)	R06 (Rear only)
Adjust the front and rear	to
speaker balance.	F06 (Front only)
BAL (balance)	L06 (Left only)
Adjust the left and right	to
speaker balance.	R06 (Right only)
LOUD *4 (loudness) Boost low and high frequencies to produce a well-balanced sound at low volume level.	LOUD ON LOUD OFF
VOL *6 (volume)	00 (min.) to
Adjust the volume.	30 or 50 (max.)* ⁷

- *4 When you adjust the bass, treble, or loudness, the adjustment you have made is stored for the currently selected sound mode (C-EQ) including "USER."
- *5 If you are using a two-speaker system, set the fader level to "00."
- *6 Normally the +/- buttons work as the volume control. So you do not have to select "VOL" to adjust the volume level.
- *7 Depending on the amplifier gain control setting. (See page 13 for details.)

12

General settings — PSM

ENGLISH



You can change PSM (Preferred Setting Mode) items listed on the table that follows.



2 Select a PSM item.





Ex.: When you select "AMP GAIN"

Indications Selectable settings, [reference page] DEMO DEMO ON : [Initial]; Display demonstration will be activated Display demonstration automatically if no operation is done for about 20 seconds, [7]. **DEMO OFF** : Cancels. **CLOCK H** 1 - 12, [7]Hour adjustment [Initial: 1 (1:00)] CLOCK M 00 - 59, [7] Minute adjustment [Initial: 00 (1:00)] AMP GAIN You can change the maximum volume level of this unit. Amplifier gain control **LOW PWR** : VOL 00 – VOL 30 (Select this if the maximum power of the speaker is less than 50 W to avoid damaging the speaker.) HIGH PWR : [Initial]; VOL 00 – VOL 50 AREA **AREA EU** : Select this when using the unit in an area other than Tuner channel interval North and South America. (FM: 50 kHz-manual tuning, 100 kHz-auto search; AM: 9 kHz) **AREA US** : *[Initial]*; Select this when using the unit in North or South America. (FM: 200 kHz; AM: 10 kHz)

3 Adjust the PSM item selected.



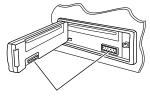
- **4** Repeat steps **2** and **3** to adjust the other PSM items if necessary.
- **5** Finish the procedure.



How to clean the connectors

Frequent detachment will deteriorate the connectors.

To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connector

Moisture condensation

Moisture may condense on the lens inside the CD player in the following cases:

• After starting the heater in the car.

• If it becomes very humid inside the car. Should this occur, the CD player may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture evaporates.

How to handle discs

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

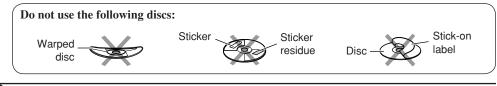


Center holder

· Always hold the disc by the edges. Do not touch its recording surface.

When storing a disc into its case, gently insert the disc around the center holder (with the printed surface facing up).

• Make sure to store discs into the cases after use.



To keep discs clean

A dirty disc may not play correctly. If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.



· Do not use any solvent (for example, conventional record cleaner, sprav, thinner, benzine, etc.) to clean discs.

To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.



To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Basic operations

Turning on the power

• By pressing CD or FM/AM on the unit, you can also turn on the power. If the source is ready, playback also starts.

Turning off the power

• If you turn off the power while listening to a disc, disc play will start from where playback has been stopped previously, next time you turn on the power.

Tuner operations

Storing stations in memory

- During SSM search...
 - All previously stored stations are erased and stations are stored newly.
 - Received stations are preset in No. 1 (lowest frequency) to No. 6 (highest frequency).
 - When SSM is over, the station stored in No. 1 will be automatically tuned in.
- When storing a station manually, a previously preset station is erased when a new station is stored in the same preset number.

Disc operations

Caution for DualDisc playback

• The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

General

- This unit has been designed to reproduce CDs, and CD-Rs (Recordable)/ CD-RWs (Rewritable) in audio CD (CD-DA) format.
- When a disc has been loaded, selecting "CD" for the playback source starts disc play.

Inserting a disc

- When a disc is inserted upside down, the disc automatically ejects.
- Do not insert 8 cm (3-3/16") discs (single CD) and unusual shape discs (heart, flower, etc.) into the loading slot.

Playing a CD-R or CD-RW

- Use only "finalized" CD-Rs or CD-RWs.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some CD-Rs or CD-RWs may not play back on this unit because of their disc characteristics, and for the following causes:
 - Discs are dirty or scratched.
 - Moisture condensation occurs on the lens inside the unit.
 - The pickup lens inside the unit is dirty.
 - CD-R or CD-RW on which the files are written with "Packet Write" method.
 - There are improper recording conditions (missing data, etc.) or media conditions (stain, scratch, warp, etc.).
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- Do not use the following CD-Rs or CD-RWs:
 - Discs with stickers, labels, or protective seal stuck to the surface.
 - Discs on which labels can be directly printed by an ink jet printer.

Using these discs under high temperatures or high humidity may cause malfunctions or damage to discs.

Changing the source

stopped previously.

• If you change the source, playback also stops (without ejecting the disc). Next time you select "CD" for the playback source, disc play starts from where it has been

Ejecting a disc

• If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust. (Disc will not play this time.)

General settings—PSM

• If you change the "AMP GAIN" setting from "HIGH PWR" to "LOW PWR" while the volume level is set higher than "VOL 30," the unit automatically changes the volume level to "VOL 30."

Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Remedies/Causes
_	• Sound cannot be heard from the	• Adjust the volume to the optimum level.
General	speakers.	• Check the cords and connections.
9	• The unit does not work at all.	Reset the unit (see page 2).
FM/AM	• SSM automatic presetting does not work.	Store stations manually.
FM/	• Static noise while listening to the radio.	Connect the antenna firmly.
	• Disc automatically ejects.	Insert the disc correctly.
	• CD-R/CD-RW cannot be played back.	• Insert a finalized CD-R/CD-RW.
	• Tracks on the CD-R/CD-RW cannot be skipped.	• Finalize the CD-R/CD-RW with the component which you used for recording.
yback	• Disc can be neither played back nor	• Unlock the disc (see page 10).
Disc playback	ejected.	• Eject the disc forcibly (see page 2).
Di	• Disc sound is sometimes interrupted.	• Stop playback while driving on rough roads.
		• Use an unscratched disc.
		• Check the cords and connections.
	• "NO DISC" appears on the display.	• Insert a correct disc into the loading slot.

AUDIO AMPLIFIER SECTION

Power Output:

 $\begin{array}{l} 18 \text{ W RMS} \times 4 \text{ Channels at } 4 \ \Omega \\ \text{and} \leq 1\% \text{ THD+N} \\ \text{Signal to Noise Ratio:} \\ 80 \text{ dBA} \text{ (reference: } 1 \text{ W into } 4 \ \Omega) \end{array}$



Load Impedance: 4Ω (4Ω to 8Ω allowance) Tone Control Range: Bass: $\pm 10 \text{ dB}$ at 100 Hz Treble: $\pm 10 \text{ dB}$ at 10 kHz Frequency Response: 40 Hz to 20 000 Hz Line-Out Level/Impedance: 2.0 V/20 k Ω load (full scale) Output Impedance: 1 k Ω

TUNER SECTION

Frequency Range: FM: 87.5 MHz to 107.9 MHz (with channel interval set to 200 kHz) 87.5 MHz to 108.0 MHz (with channel interval set to 50 kHz) AM: 530 kHz to 1 710 kHz (with channel interval set to 10 kHz) 531 kHz to 1 602 kHz (with channel interval set to 9 kHz)

[FM Tuner]

Usable Sensitivity: 11.3 dBf $(1.0 \ \mu V/75 \ \Omega)$ 50 dB Quieting Sensitivity: 16.3 dBf $(1.8 \ \mu V/75 \ \Omega)$ Alternate Channel Selectivity (400 kHz): 65 dB Frequency Response: 40 Hz to 15 000 Hz Stereo Separation: 35 dB Capture Ratio: 1.5 dB

[AM Tuner]

Sensitivity: 20 µV Selectivity: 35 dB

CD PLAYER SECTION

Type: Compact disc player Signal Detection System: Non-contact optical pickup (semiconductor laser) Number of channels: 2 channels (stereo) Frequency Response: 5 Hz to 20 000 Hz Dynamic Range: 96 dB Signal-to-Noise Ratio: 98 dB Wow and Flutter: Less than measurable limit

GENERAL

Power Requirement: Operating Voltage: DC 14.4 V (11 V to 16 V allowance) Grounding System: Negative ground Allowable Operating Temperature: 0° C to +40°C (32°F to 104°F) Dimensions (W × H × D): Installation Size (approx.): 182 mm × 52 mm × 150 mm (7-3/16" × 2-1/16" × 5-15/16") Panel Size (approx.): 188 mm × 58 mm × 11 mm (7-7/16" × 2-5/16" × 7/16") Mass (approx.): 1.4 kg (3.1 lbs) (excluding accessories)

Design and specifications are subject to change without notice.

If a kit is necessary for your car, consult your telephone directory for the nearest car audio speciality shop.



JVC

JVC KD-S12 Installation/Co

GET0317-002A [J]

Installation/Connection Manual Manual de instalación/conexión



0705DTSMDTJEIN EN, SP

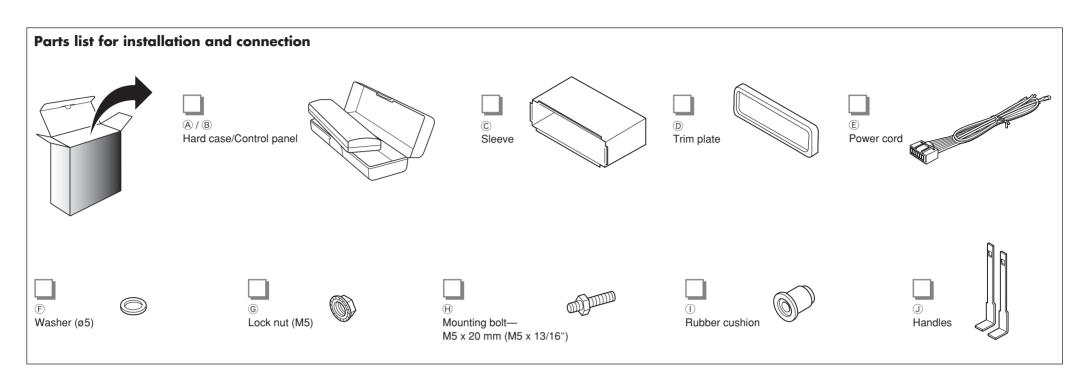
ENGLISH

- You need the installation kits which corresponds to your car.
- Mark all the check boxes () to make sure you have follow the instructions and the listed parts.

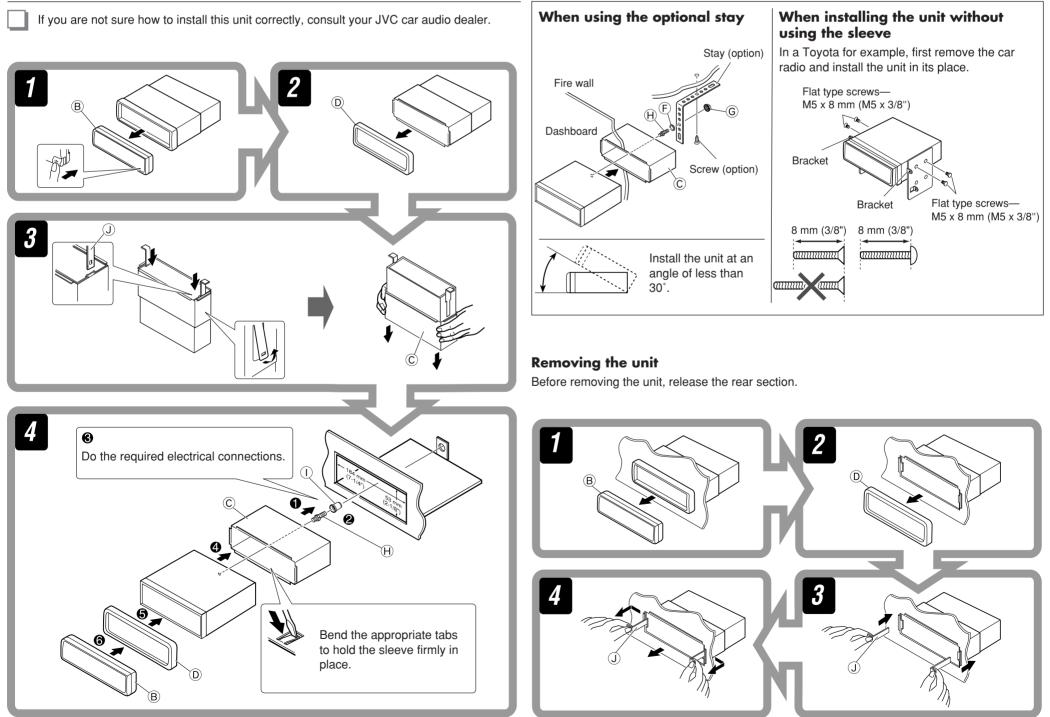
Check the battery system in your car.



12 V DC, NEGATIVE ground



INSTALLATION (IN-DASH MOUNTING)



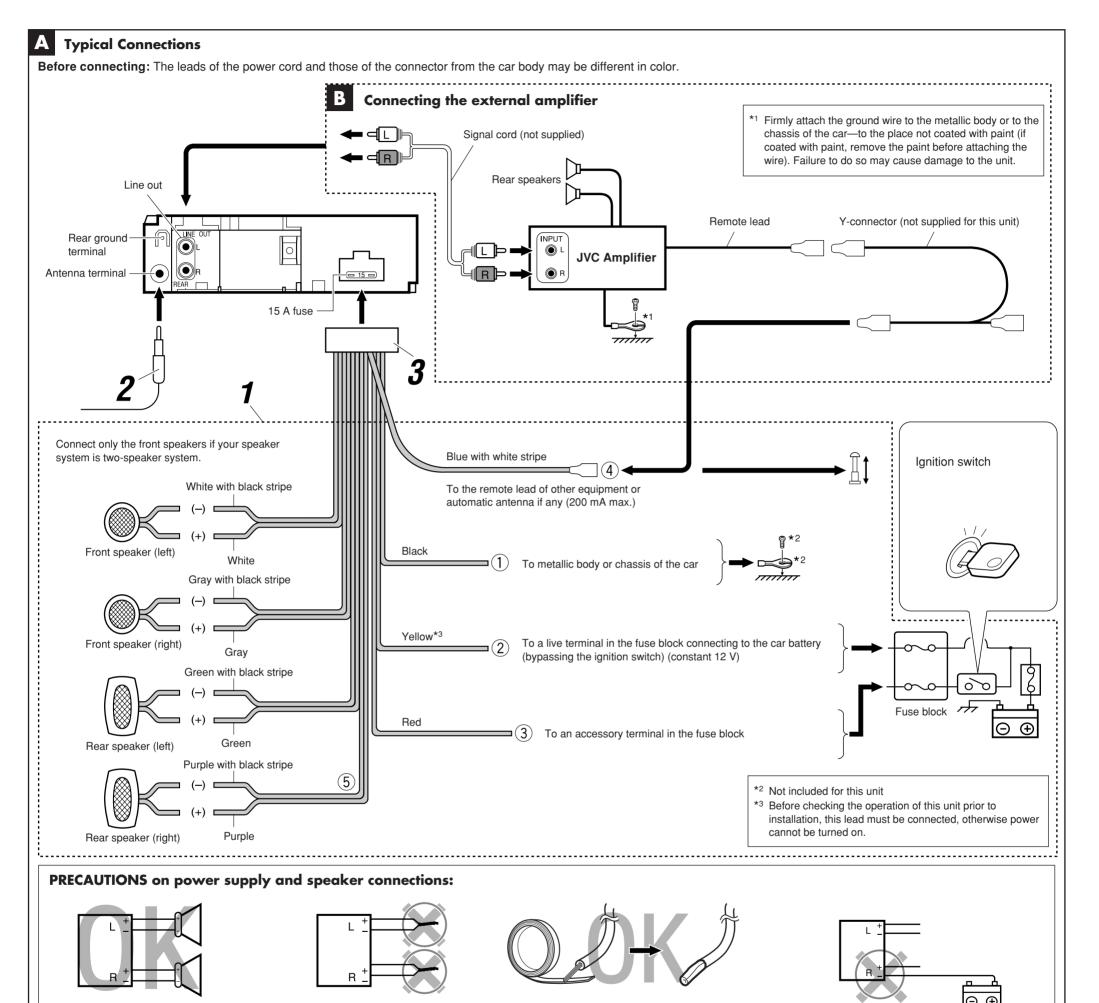
ELECTRICAL CONNECTIONS

Make sure to disconnect the battery's negative terminal.

• Be sure to ground this unit to the car's chassis again after installation.

Note:

It is recommended to connect to the speakers with maximum power of more than 50 W (both at the rear and at the front, with an impedance of 4 Ω to 8 Ω). If the maximum power is less than 50 W, change "AMP GAIN" setting to prevent the speakers from being damaged (see page 13 of the INSTRUCTIONS).



 $\langle | |$

High



TROUBLESHOOTING

• The fuse blows.

* Are the red and black leads connected correctly?

Power cannot be turned on.

* Is the yellow lead connected?

- No sound from the speakers.
- * Is the speaker output lead short-circuited?

Sound is distorted.

- * Is the speaker output lead grounded?
- * Are the "--" terminals of L and R speakers grounded in common?

Noise interfere with sounds.

- * Is the rear ground terminal connected to the car's chassis using shorter and thicker cords?
- Unit becomes hot.
- * Is the speaker output lead grounded?
- * Are the "-" terminals of L and R speakers grounded in common?
- This unit does not work at all.
- * Have you reset your unit?