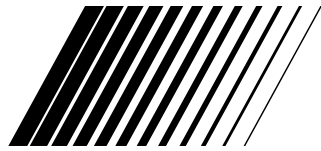


JVC



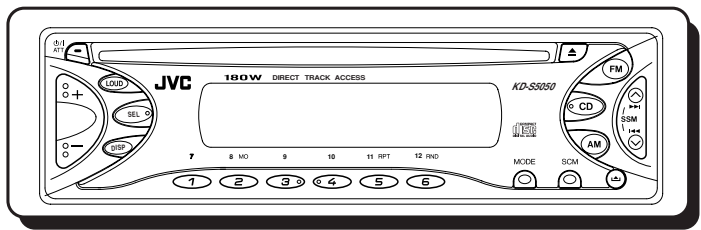
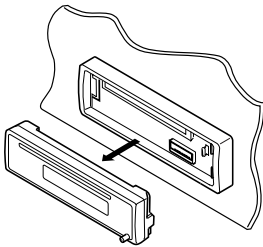
ENGLISH

ESPAÑOL

FRANÇAIS

CD RECEIVER
RECEPTOR CON CD
RECEPTEUR CD

KD-S5050



For installation and connections, refer to the separate manual.
Para la instalación y las conexiones, refiérase al manual separado.
Pour l'installation et les raccordements, se référer au manuel séparé.



INSTRUCTIONS

MANUAL DE INSTRUCCIONES
MANUEL D'INSTRUCTIONS

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. _____ www.DataSheet4U.com

Serial No. _____

GET0171-001A

[J]



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:

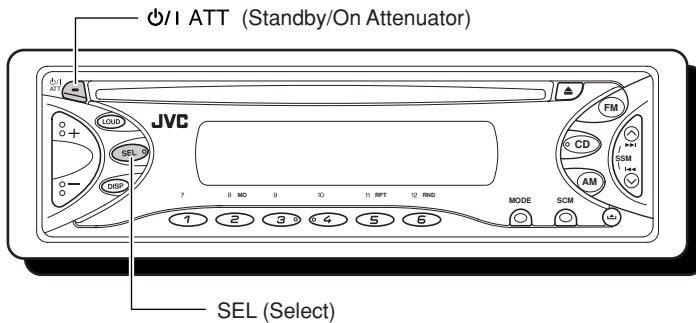
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside 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.

How to reset your unit

While holding SEL (Select), press ϕ /I ATT (Standby/On Attenuator) for more than 2 seconds. This will reset the built-in microcomputer.

**NOTES:**

- Your preset adjustments — such as preset channels or sound adjustments — will also be erased.
- If a CD is in the unit, it will eject when you reset the unit. Be careful not to drop the CD.

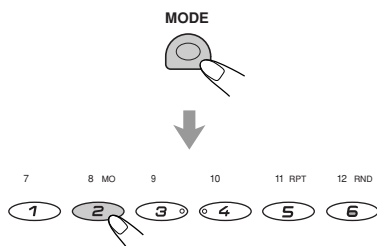
Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

CONTENTS

How to reset your unit	2	SOUND ADJUSTMENTS	12
How to use the MODE button	3	Adjusting the sound	12
LOCATION OF THE BUTTONS	4	Turning on/off the loudness function	12
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Storing stations in memory	7	Selecting the level display	16
Tuning in to a preset station	8	Detaching the control panel	17
CD OPERATIONS	9	MAINTENANCE	18
Playing a CD	9	Handling discs	18
Locating a track or a particular portion on a CD	10	TROUBLESHOOTING	19
Selecting CD playback modes	10	SPECIFICATIONS	20
Prohibiting CD ejection	11		

How to use the MODE button

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



To use these buttons as number buttons again after pressing MODE, wait for 5 seconds without pressing any number button until the functions mode is cleared.

- Pressing MODE again also clears the functions mode.

BEFORE USE

* 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...

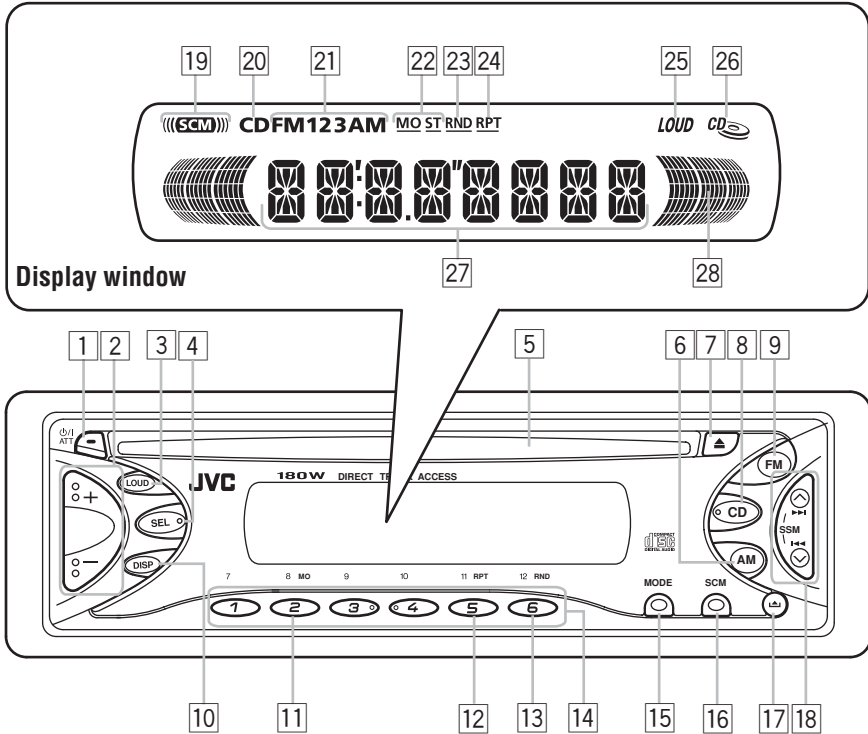
If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.



LOCATION OF THE BUTTONS

Control panel

ENGLISH

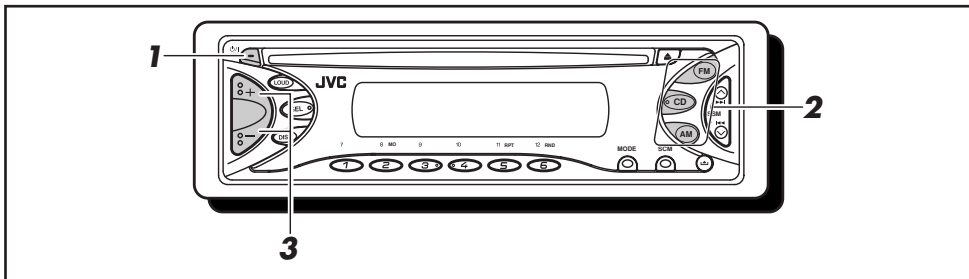


- 1 ATT (Standby/On Attenuator) button
- 2 +/- button
- 3 LOUD (Loudness) button
- 4 SEL (Select) button
- 5 Loading slot
- 6 AM button
- 7 (Eject) button
- 8 CD button
- 9 FM button
- 10 DISP (Display) button
- 11 MO (Monaural) button
- 12 RPT (Repeat) button
- 13 RND (Random) button
- 14 Number buttons
- 15 MODE button
- 16 SCM (Sound Control Memory) button
- 17 (Control panel release) button
- 18 / buttons

Display window

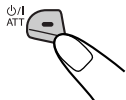
- 19 SCM (Sound Control Memory) indicator
- 20 CD indicator
- 21 Band indicators
FM1, FM2, FM3
AM
- 22 Tuner reception indicators
MO (Monaural), ST (Stereo)
- 23 RND (Random) indicator
- 24 RPT (Repeat) indicator
- 25 LOUD indicator
- 26 CD-in indicator
- 27 Main display
- 28 Volume level indicator

- Also functions as SSM buttons when pressed together.



Turning on the power

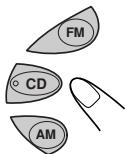
1 Turn on the power.



Note on One-Touch Operation:

When you select a source in step 2 below, the power automatically comes on. You do not have to press this button to turn on the power.

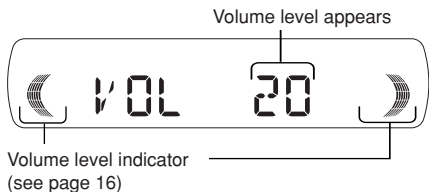
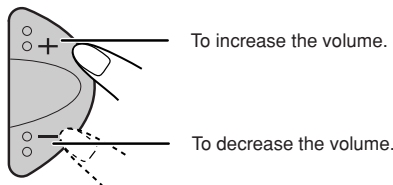
2 Select the source.



To operate the tuner (FM or AM), see pages 6 – 8.

To operate the CD, see pages 9 – 11.

3 Adjust the volume.



4 Adjust the sound as you want (see pages 12 – 14).

To drop the volume in a moment

Press ϕ /I ATT briefly while listening to any source. "ATT" starts flashing on the display, and the volume level will drop in a moment.

To resume the previous volume level, press the button briefly again.

To turn off the power

Press and hold ϕ /I ATT until "SEE YOU" appears on the display.

Note:

When you use this unit for the first time, set the built-in clock correctly, see page 15.

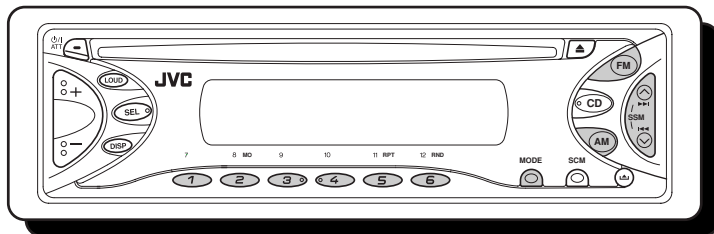
CAUTION on volume setting

CDs produce very little noise compared with other sources. If the volume level is adjusted for the tuner, for example, the speakers may be damaged by the sudden increase in the output level. Therefore, lower the volume before playing a disc and adjust it as required during playback.



RADIO OPERATIONS

ENGLISH

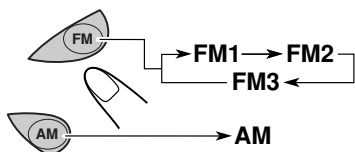


Listening to the radio

You can use either automatic searching or manual searching to tune in to a particular station.

Searching a station automatically: Auto search

- 1** Select the band (FM 1 – 3, AM).



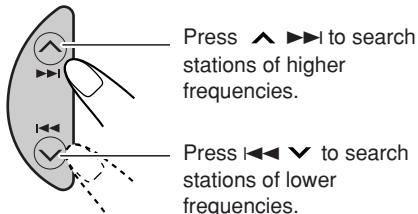
Lights up when receiving an FM stereo broadcast with sufficient signal strength
Selected band appears



Note:

This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

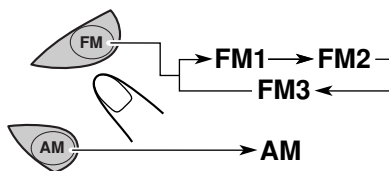
- 2** Start searching a station.



To stop searching before a station is received, press the same button you have pressed for searching.

Searching a station manually: Manual search

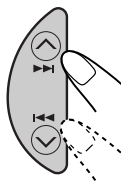
- 1** Select the band (FM 1 – 3, AM).



Note:

This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

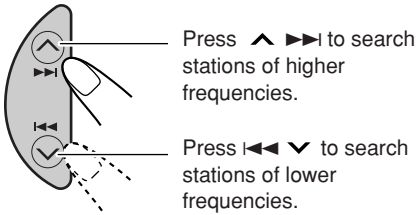
- 2** Press and hold **▲▶▶** or **◀◀▼** until “M” (manual) starts flashing on the display.



Selected band appears

When a station is received, searching stops.

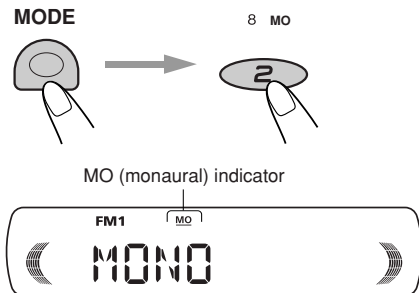
3 Tune in to a station you want while “M” (manual) is flashing.



- If you release your finger from the button, the manual mode will automatically turn off after 5 seconds.
- If you hold down the button, the frequency keeps changing (in 200 kHz intervals for FM and 10 kHz for AM) until you release the button.

When an FM stereo broadcast is hard to receive:

- 1 Press MODE to enter the functions mode while listening to an FM stereo broadcast.
- 2 Press MO (monaural), while still in the functions mode, so that the MO indicator lights up on the display. Each time you press the button, the MO indicator lights up and goes off alternately.



When the MO indicator is lit on the display, the sound you hear becomes monaural but the reception will be improved.

Storing stations in memory

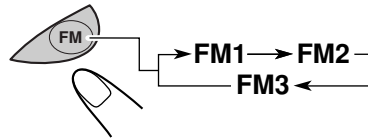
You can use one of the following two methods to store broadcasting stations in memory.

- Automatic preset of FM stations: SSM (Strong-station Sequential Memory)
- Manual preset of both FM and AM stations

FM station automatic preset: SSM

You can preset 6 local FM stations in each FM band (FM1, FM2 and FM3).

1 Select the band (FM1 – 3) you want to store FM stations into.



2 Press and hold both buttons for more than 2 seconds.



“SSM” appears, then disappears when automatic preset is over.

Local FM stations with the strongest signals are searched and stored automatically in the band number you have selected (FM1, FM2 or FM3.) These stations are preset in the number buttons – No.1 (lowest frequency) to No.6 (highest frequency). When automatic preset is over, the station stored in number button 1 will be automatically tuned in.



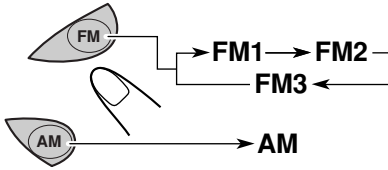
Manual preset

You can preset up to 6 stations in each band (FM1, FM2, FM3 and AM) manually.

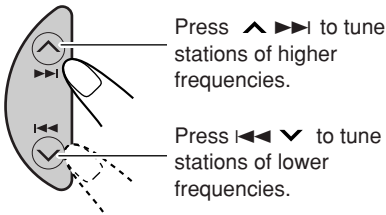
Ex: Storing an FM station of 92.5 MHz into the preset number 1 of the FM1 band.

1 Select the band (FM1 – 3, AM) you want to store FM stations into (in this example, FM1).

- Each time you press the button, the FM band changes as follows:



2 Tune in to a station of 92.5 MHz.



3 Press and hold the number button (in this example, 1) for more than 2 seconds.



"P1" flashes for a few seconds.

4 Repeat the above procedure to store other stations into other preset numbers.

Notes:

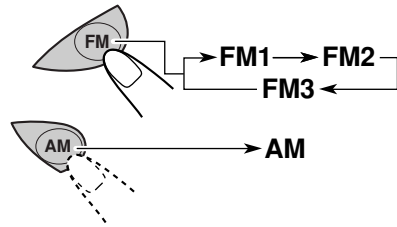
- A previously preset station is erased when a new station is stored in the same preset number.
- Preset stations are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the stations again.

Tuning in to a preset station

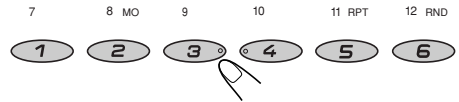
You can easily tune in to a preset station.

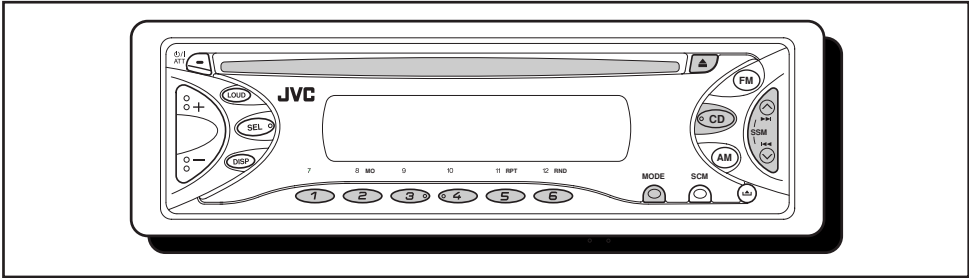
Remember that you must store stations first. If you have not stored them yet, see "Storing stations in memory" on page 7 and 8.

1 Select the band (FM1 – 3, AM).



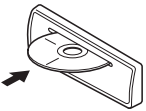
2 Select the number (1 – 6) for the preset station you want.





Playing a CD

Insert a disc into the loading slot.



The unit turns on, draws a CD and starts playback automatically.

Note on One-Touch Operation:

When a CD is already in the loading slot, pressing CD turns on the unit and starts playback automatically.

Note:

When a CD is inserted upside down, the CD automatically ejects.

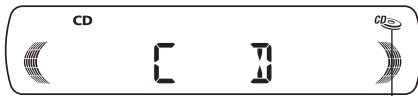
To stop play and eject the CD

Press ▲.

CD play stops and the CD automatically ejects from the loading slot.

- If you change the source, the CD play also stops (without ejecting the CD). Next time you select "CD" as the source, CD play starts from where playback has been stopped previously.

The CD-in indicator flashes



The CD-in indicator lights up



Total playing time of the inserted disc

Total track number of the inserted disc



Elapsed playing time

Current track

Notes:

- If the ejected disc is not removed for about 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust. (CD play will not start this time.)
- You can eject the CD even when the unit is turned off.

About mistracking:

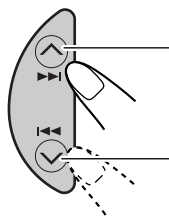
Mistracking may result from driving on extremely rough roads. This does not damage the unit and the CD, but will be annoying. We recommend that you stop CD play while driving on such rough roads.

All tracks will be played repeatedly until you stop playback.



Locating a track or a particular portion on a CD

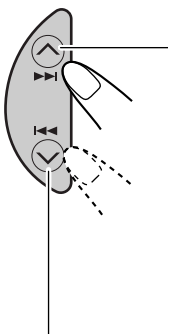
To fast-forward or reverse the track



Press and hold **▶▶▶**, while playing a CD, to fast forward the track.

Press and hold **◀◀◀**, while playing a CD, to reverse the track.

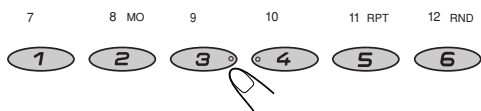
To go to the next tracks or the previous tracks



Press **▶▶▶** briefly, while playing a CD, to go ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next tracks is located and played back.

Press **◀◀◀** briefly, while playing a CD, to go back to the beginning of the current track. Each time you press the button consecutively, the beginning of the previous tracks is located and played back.

To go to a particular track directly



Press the number button corresponding to the track number to start its playback.

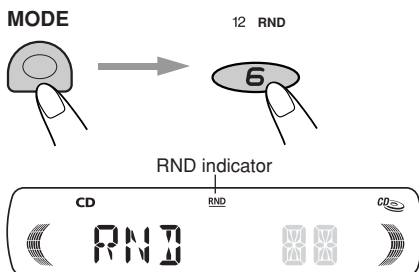
- To select a track number from 1 – 6: Press 1 (7) – 6 (12) briefly.
- To select a track number from 7 – 12: Press and hold 1 (7) – 6 (12) for more than 1 second.

Selecting CD playback modes

To play back tracks at random (Random Play)

You can play back all tracks on the CD at random.

- 1 Press **MODE** to enter the functions mode while playing a CD.
 - 2 Press **RND** (Random), while still in the functions mode, so that the **RND** indicator lights up on the display.
- Each time you press the button, CD random play mode turns on and off alternately.

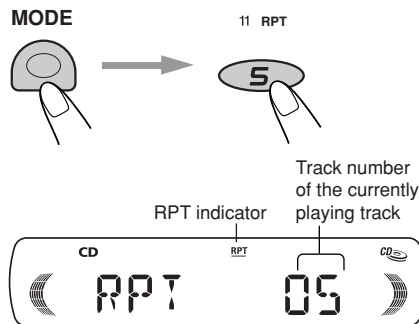


When the random play is turned on, the **RND** indicator lights up on the display. A track randomly selected starts playing.

To play back tracks repeatedly (Repeat Play)

You can play back the current track repeatedly.

- 1 Press **MODE** to enter the functions mode while playing a CD.
 - 2 Press **RPT** (Repeat), while still in the functions mode, so that the **RPT** indicator lights up on the display.
- Each time you press the button, CD repeat play mode turns on and off alternately.



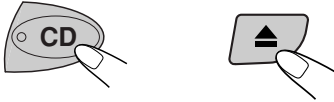
When the repeat play is turned on, the **RPT** indicator lights up on the display. The current track starts playing repeatedly.



Prohibiting CD ejection

You can prohibit the CD ejection and can lock a CD in the loading slot.

While pressing CD, press and hold ▲ for more than 2 seconds.



“EJECT” flashes on the display for about 5 seconds, and the CD is locked and cannot be ejected.



To cancel the prohibition and unlock the CD

While pressing CD, press and hold ▲ again for more than 2 seconds.

“EJECT” appears on the display, and the CD ejects from the loading slot.

The CD-in indicator flashes





SOUND ADJUSTMENTS

ENGLISH

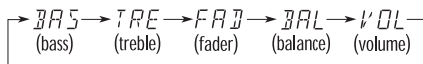
Adjusting the sound

You can adjust the sound characteristics to your preference.

1 Select the item you want to adjust.



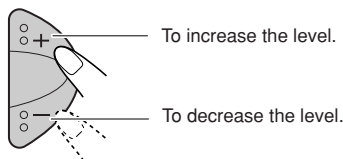
Each time you press the button, the adjustable items change as follows:



Indication	To do:	Range
BAS (Bass)	Adjust the bass.	-06 (min.) +06 (max.)
TRE (Treble)	Adjust the treble.	-06 (min.) +06 (max.)
FAD (Fader)*	Adjust the front and rear speaker balance.	R06 (Rear only) F06 (Front only)
BAL (Balance)	Adjust the left and right speaker balance.	L06 (Left only) R06 (Right only)
VOL (Volume)	Adjust the volume.	00 (min.) 50 (max.)

* If you are using a two-speaker system, set the fader level to "00."

2 Adjust the level



Ex.: when you adjust "TRE" (treble)

Note:

Normally the + and - buttons work as the volume control. So you do not have to select "VOL" to adjust the volume level.

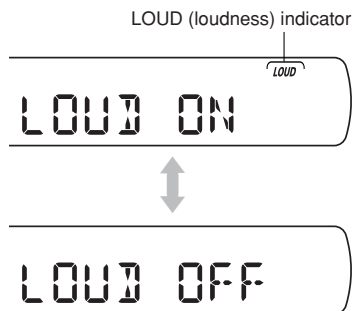
Turning on/off the loudness function

The human ear is less sensitive to low and high frequencies at low volumes.

The loudness function can boost these frequencies to produce well-balanced sound at low volume level.



Each time you press LOUD, the loudness function turns on and off alternatively.





Using the Sound Control Memory (SCM)

You can select and store a preset sound adjustment suitable to each playback source. (**Advanced SCM**)

Selecting and storing the sound modes

Once you select a sound mode, it is stored in memory. It will be recalled every time you select the same source and will be shown on the display.

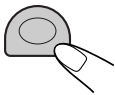
A sound mode can be stored for each of the following sources — FM1, FM2, FM3, AM, and CD.

- If you do not want to store the sound mode separately for each playback source, but want to use the same sound mode for all the sources, see “Canceling Advanced SCM – SCM LINK” on page 15.

Select the sound mode you want.

- Each time you press the button, the sound mode changes as follows.

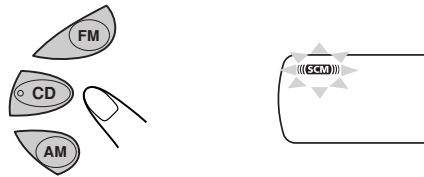
SCM



- When “SCM LINK” is set to “LINK ON”, the selected sound mode can be stored in memory for the current source and the effect applies only to the current source.
- When “SCM LINK” is set to “LINK OFF”, the selected sound mode effect applies to any source.

Recalling the sound modes

When “SCM LINK” is set to “LINK ON,” select the source.



Each time you change the playback source, the SCM indicator flashes on the display.

The sound mode stored in memory for the selected source is recalled.

Notes:

- You can adjust each sound mode to your preference, and store it in memory.
If you want to adjust and store your original sound mode, see “Storing your own sound adjustments” on page 14.
- To adjust the bass and treble reinforcement levels or to turn on/off the loudness function temporarily, see page 12. (Your adjustments will be cancelled if another source is selected.)

Indication	For:	Preset values		
		BAS	TRE	LOUD
SCM OFF	(Flat sound)	00	00	ON
BEAT	Rock or disco music	+02	00	ON
SOFT	Quiet background music	+01	-03	OFF
POP	Light music	+04	+01	OFF



Storing your own sound adjustments

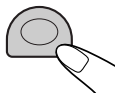
You can adjust the sound modes (BEAT, SOFT, POP: see page 13) to your preference and store your own adjustments in memory.

- There is a time limit in doing the following procedure. If the setting is cancelled before you finish, start from step 1 again.

1 Call up the sound mode you want to adjust.

See page 13 for details.

SCM

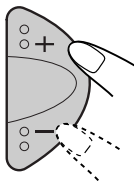


2 Select “BAS” (bass) or “TRE” (treble).



3 Adjust the bass or treble level.

See page 12 for details.



4 Repeat steps 2 and 3 to adjust the other items.

5 To turn on/off the loudness function. See page 12 for details.



6 Press and hold SCM until the sound mode you have selected in step 1 flashes on the display.

Your adjustment made for the selected sound mode is stored in memory.

SCM



7 Repeat the same procedure to store other sound modes.

To reset to the factory settings

Repeat the same procedure and reassign the preset values listed in the table on page 13.

Setting the clock

1 Press and hold SEL (Select) for more than 2 seconds.

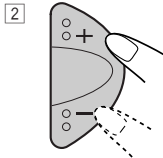
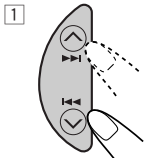
"CLOCK H", "CLOCK M", "SCM LINK" or "LEVEL" appears on the display.



2 Set the hour.

1 Select "CLOCK H" if not shown on the display.

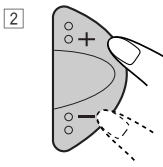
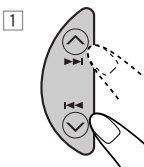
2 Adjust the hour.



3 Set the minute.

1 Select "CLOCK M." if not shown on the display.

2 Adjust the minute.



4 Press SEL (Select) to finish the setting.



To check the current clock time (changing the display mode)

Press DISP repeatedly. Each time you press the button, the display mode changes as follows.

During tuner operation:

Frequency ↔ Clock

During CD operation:

Elapsed playing time ↔ Clock

- If the unit is not in use when you press DISP, the power turns on, the clock time is shown for 5 seconds, then the power turns off.

Cancelling Advanced SCM – SCM LINK

You can cancel the Advanced SCM (Sound Control Memory), and unlink the sound modes and the playback sources.

When shipped from the factory, a different sound mode can be stored in memory for each source so that you can change the sound modes simply by changing the sources.

LINK ON: Advanced SCM (different SCM for different sources)

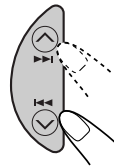
LINK OFF: Conventional SCM (one SCM for all sources)

1 Press and hold SEL (Select) for more than 2 seconds.

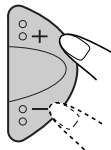
"CLOCK H", "CLOCK M", "SCM LINK" or "LEVEL" appears on the display.



2 Select "SCM LINK" if not shown on the display.



3 Select the desired mode — "LINK ON" or "LINK OFF".



4 Press SEL (Select) to finish the setting.



Selecting the level display

You can select the level display according to your preference.

When shipped from the factory, "VOL 2" is selected.

VOL 1 : Shows the volume level indicator.

VOL 2 : Alternates "VOL 1" setting and illumination display.

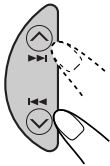
OFF : Erases the volume level indicator.

1 Press and hold SEL for more than 2 seconds.

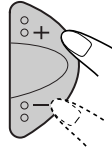
"CLOCK H", "CLOCK M", "SCM LINK" or "LEVEL" appears on the display.



2 Select "LEVEL" if not shown on the display.



3 Select the desired mode — "VOL 1", "VOL 2" or "OFF".



4 Press SEL (Select) to finish the setting.



Detaching the control panel

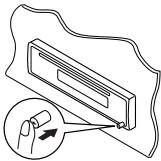
You can detach the control panel when leaving the car.

When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

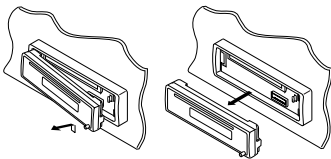
Detaching the control panel

Before detaching the control panel, be sure to turn off the power.

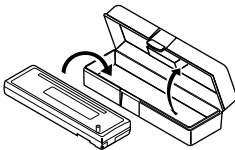
- 1 Unlock the control panel.



- 2 Lift and pull the control panel out of the unit.

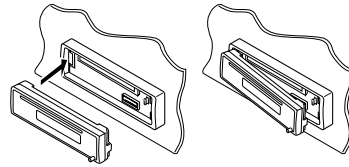


- 3 Put the detached control panel into the case provided.

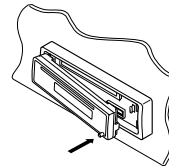


Attaching the control panel

- 1 Insert the left side of the control panel into the groove on the panel holder.



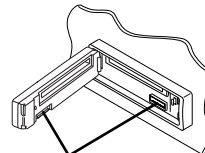
- 2 Press the right side of the control panel to fix it to the panel holder.



Note on cleaning the connectors:

If you frequently detach the control panel, the connectors will deteriorate.

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



Connectors



MAINTENANCE

ENGLISH

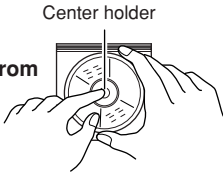
Handling discs

This unit has been designed to reproduce CDs and CD-Rs (Recordable).

- This unit is not compatible with MP3 discs.

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.



- 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.

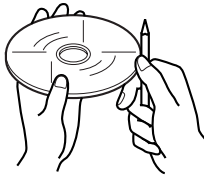
To keep discs clean

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.



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.



Moisture condensation

Moisture may condense on the lens inside the unit in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the unit may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture evaporates.

When playing a CD-R

Before playing back CD-Rs, read their instructions or cautions carefully.

- Use only "finalized" CD-Rs.
- Some CD-Rs may not play back on this unit because of their disc characteristics, and for the following reasons:
 - Discs are dirty or scratched.
 - Moisture condensation on the lens inside the unit.
 - The pickup lens inside the unit is dirty.
- CD-Rs are susceptible to high temperatures or high humidity, so do not leave them inside your car.
- Do not use following CD-Rs:
 - 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. For example,

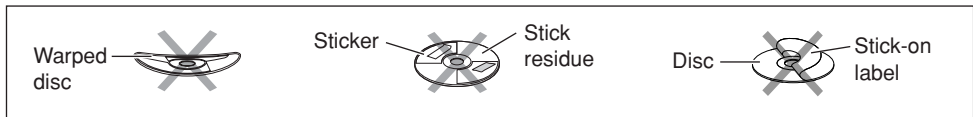
- Stickers or labels may shrink and warp a disc.
- Stickers or labels may peel off so discs cannot be ejected.
- Print on discs may get sticky.

Read instructions or cautions about labels and printable discs carefully.

- CD-RWs (Rewritable) cannot be played back on this unit.

CAUTIONS:

- Do not insert 8 cm (3 3/16") discs (single CDs) into the loading slot. (Such discs cannot be ejected.)
- Do not insert any disc of unusual shape — like a heart or flower; otherwise, it will cause a malfunction.
- Do not expose discs to direct sunlight or any heat source or place them in a place subject to high temperature and humidity. Do not leave them in a car.
- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzene, etc.) to clean discs.



TROUBLESHOOTING



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

	Symptoms	Causes	Remedies
General	<ul style="list-style-type: none"> Sound cannot be heard from the speakers. 	The volume level is set to the minimum level.	Adjust it to the optimum level.
		Connections are incorrect.	Check the cords and connections.
	<ul style="list-style-type: none"> This unit does not work at all. 	The built-in microcomputer may have functioned incorrectly due to noise, etc.	While holding SEL (Select), press Φ /I ATT (Standby/On Attenuator) for more than 2 seconds to reset the unit. (The clock setting and preset stations stored in memory are erased) (See page 2)
FM/AM	<ul style="list-style-type: none"> SSM (Strong-station Sequential Memory) automatic preset does not work. 	Signals are too weak.	Store stations manually.
	<ul style="list-style-type: none"> Static noise while listening to the radio. 	The antenna is not connected firmly.	Connect the antenna firmly.
CD Playback	<ul style="list-style-type: none"> CD automatically ejects. 	CD is inserted upside down.	Insert the CD correctly.
	<ul style="list-style-type: none"> CD-R cannot be played back. Tracks on the CD-R cannot be skipped. 	CD-R is not finalized.	<ul style="list-style-type: none"> Insert a finalized CD-R.
			<ul style="list-style-type: none"> Finalize the CD-R with the component which you used for recording.
	<ul style="list-style-type: none"> CD can be neither played back nor ejected. 	CD is locked.	Unlocked the CD. (See page 11)
		The CD player may have functioned incorrectly.	While holding Φ /I ATT (Standby/On Attenuator), press \blacktriangle (Eject) for more than 2 seconds. Be careful not to drop the CD when it is ejected.
	<ul style="list-style-type: none"> CD sound is sometimes interrupted. 	You are driving on rough roads.	Stop playback while driving on rough roads.
		CD is scratched.	Change the CD.
		Connections are incorrect.	Check the cords and connections.
<ul style="list-style-type: none"> "NO DISC" appears on the display. 	No CD in the loading slot.	Insert a CD into the loading slot.	
	CD is inserted incorrectly.	Insert the CD correctly.	

SPECIFICATIONS

ENGLISH

AUDIO AMPLIFIER SECTION

Maximum Power Output:

Front: 45 watts per channel

Rear: 45 watts per channel

Continuous Power Output (RMS):

Front: 17 watts per channel into 4 Ω ,
40 Hz to 20 000 Hz at no more than
0.8% total harmonic distortion.

Rear: 17 watts per channel into 4 Ω ,
40 Hz to 20 000 Hz at no more than
0.8% total harmonic distortion.

Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)

Tone Control Range

Bass: ± 10 dB at 100 Hz

Treble: ± 10 dB at 10 kHz

Frequency Response: 40 Hz to 20 000 Hz

Signal-to-Noise Ratio: 70 dB

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

AM: 530 kHz to 1 710 kHz

[FM Tuner]

Usable Sensitivity: 11.3 dBf (1.0 μ V/75 Ω)

50 dB Quieting Sensitivity:

16.3 dBf (1.8 μ V/75 Ω)

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 μ V

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: 90 dB

Signal-to-Noise Ratio: 95 dB

Wow and Flutter: Less than measurable limit

GENERAL

Power Requirement

Operating Voltage: DC 14.4 volts (11 volts to 16
volts allowance)

Allowable Working Temperature:

0°C to +40°C (32°F to 104°F)

Grounding System: Negative ground

Dimensions (W x H x D)

Installation Size:

182 mm x 52 mm x 150 mm

(7-3/16" x 2-1/16" x 5-15/16")

Panel Size: 188 mm x 58 mm x 11 mm

(7-7/16" x 2-5/16" x 7/16")

Mass: 1.3 kg (2.9 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
specialty shop.



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0803KKSFLEJEIN

Notice the following information will help you solve your problems.
Keep this IMPORTANT sheet together with the INSTRUCTIONS.

- **After installing the unit.**

→ Follow the procedure **A** described below.

- **If the unit does not operate.**

→ Follow the procedure **A** described below.

- **If a CD is not ejected from the loading slot.**

→ Follow the procedure **B** described below. (If the procedure **B** does not work, try the procedure **A**.)

- **If a CD is not recognized ("NO DISC" appears on the display) even though there is a CD in the loading slot.**

→ Follow the procedure **B** described below. (If the procedure **B** does not work, try the procedure **A**.)

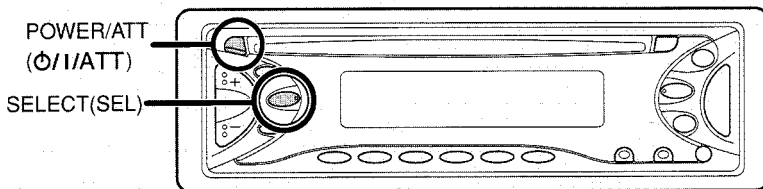
- **If a CD is in the unit, it will eject when you reset the unit. Pay attention not to drop the CD.**

A To reset the microcomputer

Press and hold both the SELECT (SEL) and POWER/ATT(⊕/⊖/ATT) buttons at the same time for several seconds.

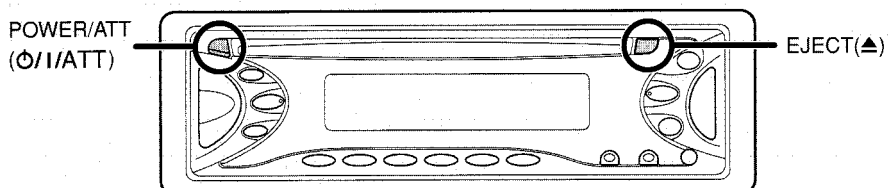
This will reset the built-in microcomputer.

NOTE: Your preset adjustments — such as preset channels or sound adjustments — will also be erased.



B To eject a CD by force

Press and hold both the POWER/ATT(⊕/⊖/ATT) and EJECT(▲) buttons at the same time for several seconds until the CD is ejected from the loading slot.



ENGLISH

BEFORE ELECTRICAL CONNECTIONS

The first and most important step in installation is to identify the wires inside the car you need to use. If you are not sure what wires are used for what purposes inside the car, read this sheet carefully.

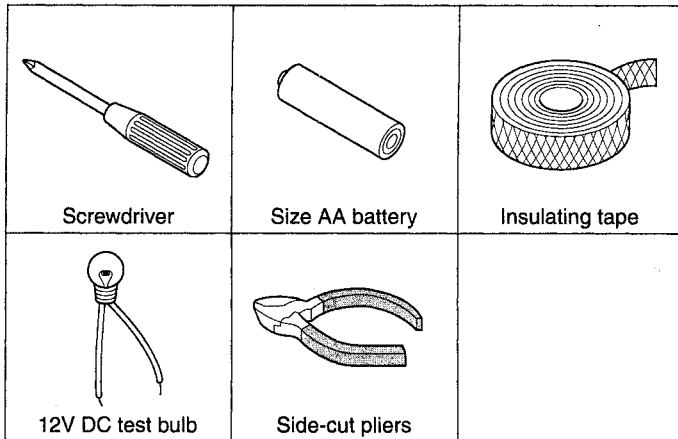
What Leads Are inside the Car?

You need to identify the following leads used in the car (after removing an existing audio receiver or radio, if any, from your car).

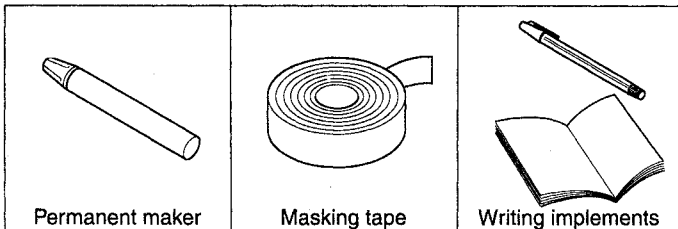
Leads inside the car	Function (and where to connect on the receiver)
① Battery lead	Supplies a continuous power to your receiver even when the ignition key is turned off. This lead provides a continuous power to maintaining the clock and internal memory in the receiver. – Connect this lead to the yellow wire of the receiver.
② Power lead	Supplies power to your receiver when the ignition key is turned to the accessory position (ACC) or to the on position (ON). – Connect this lead to the red wire of the receiver.
③ Speaker leads	Connects to the speakers inside the car. – Connect these leads to the corresponding speaker wires of the receiver.
④ Automatic antenna lead	Supplies power to automatic power antenna if any. – If receiver has the blue-with-white-stripe wire, connect this lead to it.
⑤ Antenna lead	Connects to the car antenna. – Connect to the antenna input terminal of the receiver.

Required Tools

- Tools you must prepare:



- Tools you had better prepare:



As you identify each lead, you can label it using masking tape and a permanent marker, and can note the colors of the leads used in the car. This will help avoid confusion when making connections later.

- For identifying method by using the above tools, see the reverse side.

ESPAÑOL

ANTES DE LAS CONEXIONES ELÉCTRICAS

El primer paso de la instalación y el más importante, es identificar cuáles son los cables del automóvil que se deben utilizar. Si tiene dudas acerca de los cables que se deben utilizar para cada propósito, lea esta hoja atentamente.

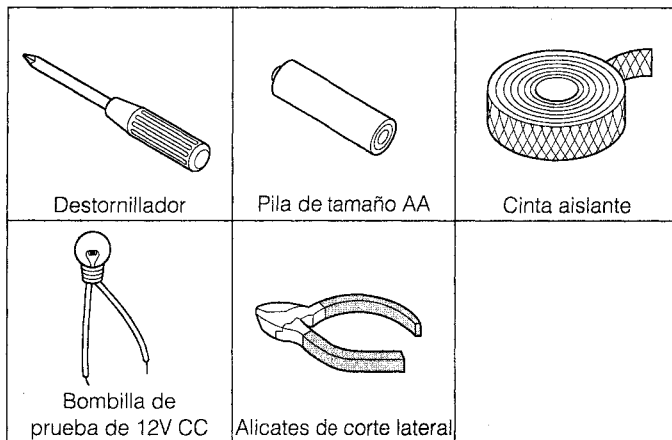
¿Qué conductores hay dentro del automóvil?

Es necesario que sepa identificar los siguientes conductores de su automóvil (tras desmontar el receptor de audio o la radio de su automóvil, si equiparse).

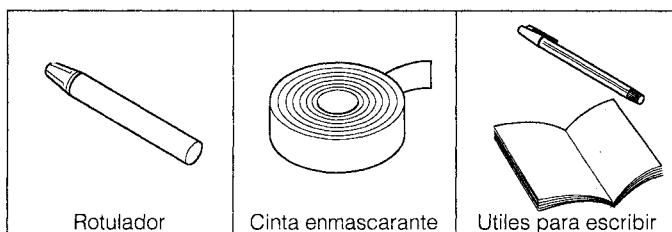
Conductores del interior del automóvil	Función (y punto de conexión en el receptor)
① Conductor de la batería	Suministra continuamente energía a su receptor incluso con el encendido desconectado. Este conductor suministra energía de manera continua para alimentar al reloj y a la memoria interna del receptor. – Conecte este conductor con el cable amarillo del receptor.
② Conductor de alimentación	Suministra energía a su receptor con la llave de contacto en la posición de accesorios (ACC) o en la posición de conexión (ON). – Conecte este conductor con el cable rojo del receptor.
③ Conductores de los altavoces	Efectúan la conexión con los altavoces del automóvil. – Conecte estos conductores con los correspondientes cables de altavoz del receptor.
④ Conductor de antena automática	Suministra energía a la antena motriz automática, si hubiere. – Si el receptor tiene cable azul con rayas blancas, conéctele este conductor.
⑤ Conductor de antena	Conecta con la antena del automóvil. – Conecte este conductor con el terminal de entrada de antena del receptor.

Herramientas requeridas

- Herramientas que debe preparar:



- Herramientas recomendadas:



A medida que vaya identificando cada conductor, podrá ponerle una etiqueta utilizando cinta enmascarante y rotulador, y anotar los colores de los conductores empleados en su automóvil. Esto le ayudará a evitar confusiones a la hora de realizar las conexiones.

- Con respecto al método de identificación utilizando las herramientas de arriba, véase al dorso.

FRANÇAIS

AVANT LES CONNEXIONS ÉLECTRIQUES

La première et plus importante étape de l'installation est l'identification des fils de la voiture que vous devez utiliser. Si vous ne savez pas quelle est l'utilisation de chaque fil, lisez cette feuille attentivement.

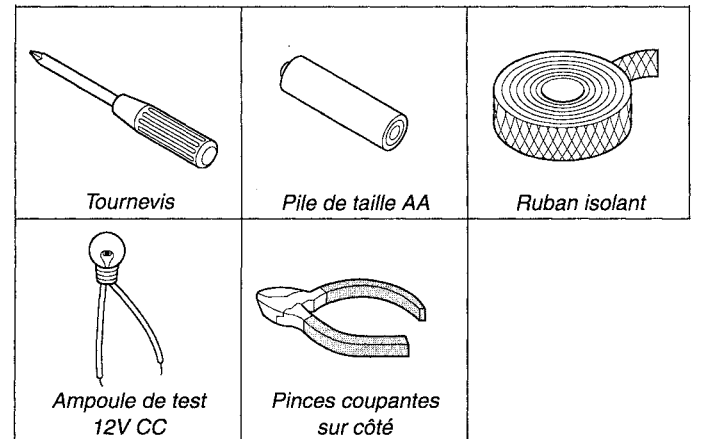
Quels sont les fils de votre voiture?

Vous devez identifier les fils suivants dans votre voiture (après avoir en avoir retiré l'actuel et éventuel autoradio).

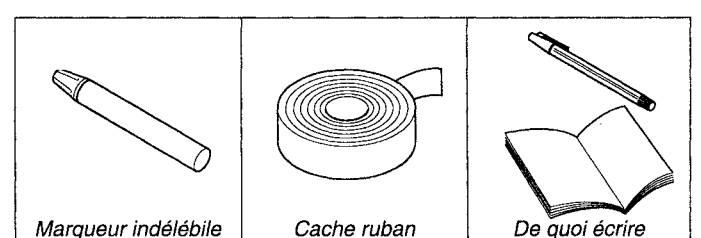
Fils à l'intérieur de la voiture	Fonction (et où connecter ces fils sur l'autoradio)
① Fil de batterie	Alimente en courant continu votre autoradio même quand le contact est coupé. Ce fil offre une alimentation continue qui permet de protéger l'horloge et la mémoire interne de l'autoradio. – Connectez ce fil au fil jaune de l'autoradio.
② Fil d'alimentation	Alimente votre autoradio quand la clé de contact est mise sur la position accessoire (ACC) ou sur la position marche (ON). – Connectez ce fil au fil rouge de l'autoradio.
③ Fils d'enceintes	Connectent les enceintes intérieures de la voiture. – Connectez ces fils aux fils correspondants sur l'autoradio.
④ Fil d'antenne automatique	Alimente l'antenne automatique s'il y en a une. – Si l'autoradio possède un fil bleu à bandes blanches, connectez-y ce fil.
⑤ Fil d'antenne	Connecte l'antenne de la voiture. – Connectez ce fil à la prise d'entrée d'antenne de l'autoradio.

Outils nécessaires

- Outils à préparer:



- Outils dont vous pouvez avoir besoin



Au fur et à mesure que vous identifiez chaque fil, vous pouvez les étiqueter en utilisant le cache ruban et un marqueur indélébile et noter les couleurs des fils utilisés dans la voiture. Cela vous aidera à ne pas vous tromper lorsque vous ferez les connexions plus tard.

- Pour la méthode d'identification en utilisant les outils ci-dessus, reportez-vous au verso de cette feuille.

How to Identify the Leads inside the Car

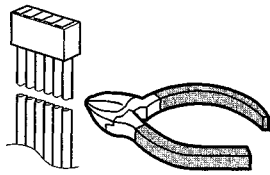
Before start, make sure

- Check the speaker wiring inside the car first.

If speaker wiring is not appropriate (see "PRECAUTION on power supply and speaker connection" on the Installation/Connection Manual), first redo the speaker wiring inside the car.

- Pay much attention to avoid short-circuits. Insulate all exposed leads until you use them. Do not allow any exposed wire not in use to touch the metallic part or chassis of the car, and other exposed wires.

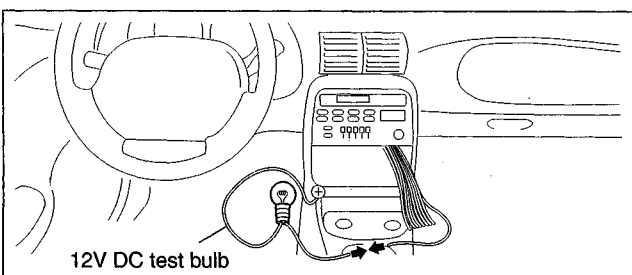
- If necessary, cut off the connector plug from leads coming from the car's battery (leaving the leads as long as possible) so that you can work with individual wires.



① Battery lead

■ If your car is pre-wired for the audio system:

- 1 Turn the ignition key to the off position (OFF).
- 2 Connect one lead of the test bulb to the metallic part or chassis of the car.
- 3 Touch the other lead of the test bulb to each wire inside the car.
 - Touch one wire at a time until you find a wire causing the test bulb to light. This wire is the battery lead.



■ If your car is NOT pre-wired for the audio system:

Find the fuse port preparing for a continuous power supply from the battery (usually marked BAT).

② Power lead

■ If your car is pre-wired for the audio system:

- 1 Turn the ignition key to the accessory position (ACC).
- 2 Connect one lead of the test bulb to the metallic part or chassis of the car.
- 3 Touch the other lead of the test bulb to each wire inside the car.
 - Touch one wire at a time until you find a wire causing the test bulb to light.
- 4 If you find one, turn the ignition key off then on. If the test bulb also turns off and on, it is the power lead. If it does not turn off though you turn off the ignition key, it is the battery lead (see above).

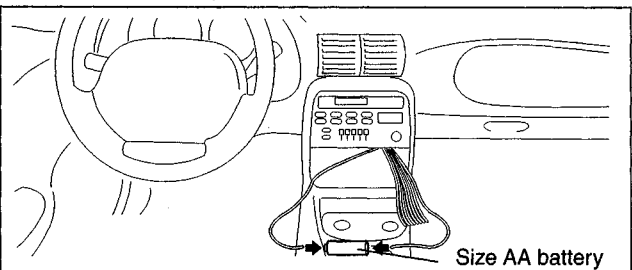
■ If your car is NOT pre-wired for the audio system:

Find the fuse port preparing for a radio (RADIO) or an accessory (ACC) in the fuse block.

③ Speaker leads

Find two wires for each speaker by using a size AA battery as follows.

- 1 Turn the ignition key to the off position (OFF).
- 2 Touch one wire inside the car to one pole (+ or -) of the battery.
- 3 Touch another wire to the other of the battery. If you hear a scraping noise from a speaker, you find a correct combination of the speaker leads for the speaker.
- 4 Repeat steps 1 and 2 until you find all combinations of speaker leads for the other speakers.



④ Automatic antenna lead

If your car is equipped with an automatic power antenna, find the automatic antenna lead.

- 1 Turn the ignition key to the accessory position (ACC).
- 2 Connect one lead of the test bulb to the battery lead (①) you have found.
- 3 Touch the other lead of the test bulb to each wire inside the car.
 - Touch one wire at a time until you find a wire causing the automatic power antenna to extend. This wire is the automatic antenna lead.

⑤ Antenna lead

This is a thick, black wire with a metal plug. Easily identified by its appearance. (See "A Typical Connections" on the Installation/Connection Manual.)

Cómo identificar los conductores empleados en el automóvil

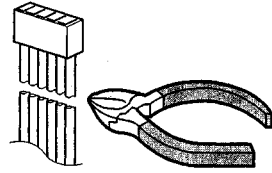
Antes de comenzar, asegúrese de

- Comprobar primero el cableado de los altavoces del automóvil.

Si el cableado de los altavoces no es apropiado (consulte "PRECAUCIONES sobre la fuente de alimentación y la conexión de los altavoces" en el manual de instalación/conexión), primero deberá rehacer el cableado de los altavoces del interior del automóvil.

- Prestar suma atención para evitar cortocircuitos. Asegurarse de aislar todos los conductores al descubierto hasta el momento de utilizarlos. Ningún cable al descubierto sin utilizar deberá estar en contacto con alguna parte metálica o el chasis del automóvil o con otros cables al descubierto.

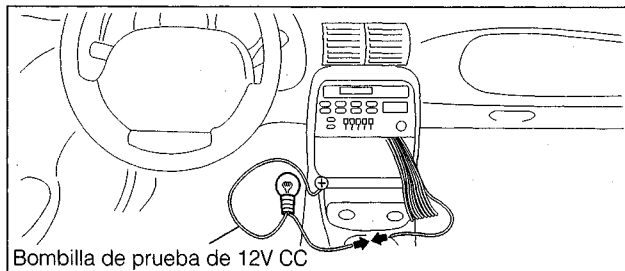
- Si es necesario, cortar la clavija de conexión y separarla de los conductores procedentes de la batería del automóvil (dejando los conductores lo más largo posible) de manera que pueda trabajar individualmente con cada cable.



① Conductor de la batería

■ Si su automóvil está precableado para el sistema de audio:

- 1 Gire la llave de contacto a la posición de desconexión (OFF).
- 2 Conecte un conductor de la bombilla de prueba con la parte metálica o el chasis del automóvil.
- 3 Con el otro conductor de la bombilla de prueba toque uno por uno los cables del interior del automóvil.
 - Toque los cables de a uno hasta encontrar el que haga iluminar la bombilla de prueba. Este cable es el conductor de la batería.



■ Si su automóvil NO está precableado para el sistema de audio: Localice el puerto de fusible y prepárelo para suministrar continuamente energía desde la batería (normalmente marcado BAT).

② Conductor de alimentación

■ Si su automóvil está precableado para el sistema de audio:

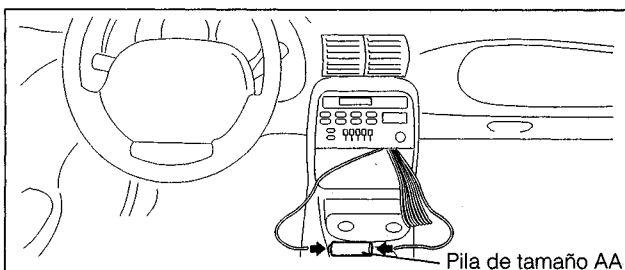
- 1 Gire la llave de contacto a la posición de accesorios (ACC).
- 2 Conecte un conductor de la bombilla de prueba con la parte metálica o el chasis del automóvil.
- 3 Con el otro conductor de la bombilla de prueba toque uno por uno los cables del interior del automóvil.
 - Toque los cables de a uno hasta encontrar el que haga iluminar la bombilla de prueba.
- 4 Si lo encuentra, desconecte y vuelva a conectar la llave de contacto. Si la bombilla de prueba también se apaga y se enciende, significa que es el conductor de alimentación. Si la bombilla no se apaga al desconectar la llave de contacto, significa que se trata del conductor de la batería (véase arriba).

■ Si su automóvil NO está precableado para el sistema de audio: Localice el puerto de fusible y prepárelo para la radio (RADIO) o un accesorio (ACC) en el bloque de fusibles.

③ Conductores de los altavoces

Utilizando una pila de tamaño AA, localice dos cables para cada altavoz, de la siguiente manera.

- 1 Gire la llave de contacto a la posición de desconexión (OFF).
- 2 Toque un polo (+ o -) de la pila con uno de los cables del interior del automóvil.
- 3 Toque el otro polo de la pila con otro cable. Si el altavoz produce rechinar, significa que ha encontrado la combinación correcta de conductores para el altavoz.
- 4 Repita los pasos 1 y 2 hasta encontrar todas las combinaciones de conductores para los demás altavoces.



④ Conductor de antena automática

Si su automóvil se encuentra equipado con una antena motriz automática, localice el conductor de la antena automática.

- 1 Gire la llave de contacto a la posición de accesorios (ACC).
- 2 Conecte un conductor de la bombilla de prueba con el conductor de batería (①) localizada previamente.
- 3 Toque cada uno de los cables del interior del automóvil con el otro conductor de la bombilla de prueba.
 - Toque los cables de a uno hasta encontrar el que haga extender la antena motriz automática. Este cable es el conductor de antena automática.

⑤ Conductor de antena

Este es un cable grueso y negro con clavija de metal. Se identifica fácilmente por su apariencia. (Consulte "A Conexiones típicas" en el manual de instalación/conexión.)

Comment identifier les fils de votre voiture

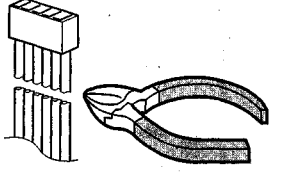
Avant de commencer, veuillez vous assurer des choses suivantes

- Vérifiez d'abord le câblage des enceintes de la voiture.

Si le câblage des enceintes n'est pas correct (voir "PRÉCAUTIONS sur l'alimentation et la connexion des enceintes" dans le manuel d'installation/connexion), refaites d'abord le câblage des enceintes de la voiture.

- Faites attention d'éviter les courts-circuits. Isolez tous les fils à nu jusqu'à ce que vous les utilisiez. Ne laissez aucun fil à nu inutilisé toucher la partie métallique ou le châssis de la voiture ni les autres fils à nu.

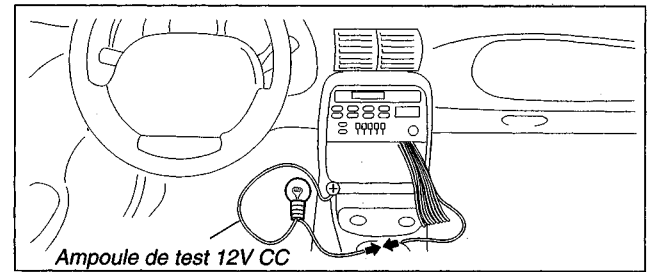
- Si nécessaire, coupez la fiche de connexion des fils provenant de la batterie de la voiture (laissez les fils aussi longs que possible) de façon à pouvoir travailler sur un fil particulier.



① Fil de batterie

■ Si votre voiture possède déjà un câblage pour système audio:

- 1 Mettez la clé de contact sur la position d'arrêt (OFF).
- 2 Connectez un fil de l'ampoule de test à une partie métallique ou au châssis de la voiture.
- 3 Avec l'autre fil de l'ampoule de test, touchez chaque fil de la voiture.
 - Touchez un fil à la fois jusqu'à ce que vous ayez trouvé celui qui allume l'ampoule de test. Ce fil est le fil de batterie.



■ Si votre voiture ne possède pas de câblage pour système audio: Trouvez la prise fusible prévue pour une alimentation continue à partir de la batterie (marquée habituellement BAT).

② Fil d'alimentation

■ Si votre voiture possède déjà un câblage pour système audio:

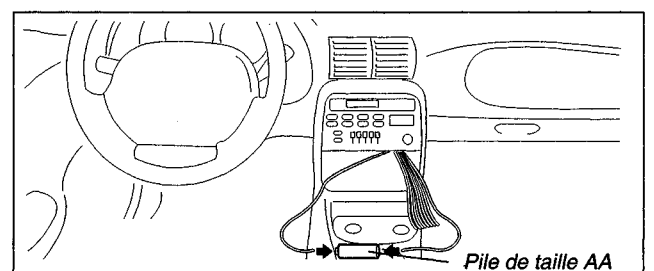
- 1 Mettez la clé de contact sur la position accessoire (ACC).
- 2 Connectez un fil de l'ampoule de test à une partie métallique ou au châssis de la voiture.
- 3 Avec l'autre fil de l'ampoule de test, touchez chaque fil de la voiture.
 - Touchez un fil à la fois jusqu'à ce que vous ayez trouvé celui qui allume l'ampoule de test. Ce fil est le fil de batterie.
- 4 Une fois que vous avez trouvé un fil, tournez la clé de contact sur la position d'arrêt (OFF) puis de nouveau en position accessoire. Si l'ampoule de test s'éteint et s'allume aussi, c'est le fil d'alimentation. Si elle ne s'éteint pas quand vous mettez la clé de contact en position d'arrêt, c'est le fil de batterie (voir ci-dessus).

■ Si votre voiture ne possède pas de câblage pour système audio: Trouvez la prise fusible prévue pour la radio (RADIO) ou pour les accessoires (ACC) (marquée habituellement BAT) dans la boîte à fusibles.

③ Fils d'enceintes

Trouvez deux fils d'enceinte pour chaque enceinte en utilisant la pile AA de la façon suivante.

- 1 Mettez la clé de contact en position d'arrêt (OFF).
- 2 Touchez une des bornes de la pile (+ ou -) avec un des deux fils.
- 3 Touchez l'autre borne de la pile avec le deuxième fil. Vous entendrez des grésillements dans une enceinte et cela vous permettra de trouver les combinaisons correctes des fils d'enceinte.
- 4 Répétez les étapes 1 et 2 jusqu'à ce que vous ayez trouvé toutes les combinaisons de fils de toutes les enceintes.



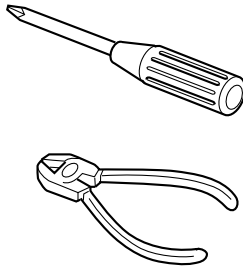
④ Fil d'antenne automatique

Si votre voiture est équipée d'une antenne électrique automatique, trouvez le fil correspondant.

- 1 Mettez la clé de contact sur la position accessoire (ACC).
- 2 Connectez un des fils de l'ampoule de test au fil de batterie (①) que vous avez trouvé.
- 3 Avec l'autre fil de l'ampoule de test, touchez chaque fil de la voiture.
 - Touchez un fil à la fois jusqu'à ce que vous ayez trouvé celui qui provoque le déploiement de l'antenne. C'est le fil d'antenne automatique.

⑤ Fil d'antenne

C'est un câble noir épais avec une fiche métallique. Elle peut être identifiée facilement par sa forme. (Reportez-vous à "A Connexions typiques" dans le manuel d'installation/connexion.)



ENGLISH

- This unit is designed to operate on 12 V DC, NEGATIVE ground electrical systems.

INSTALLATION (IN-DASH MOUNTING)

- The following illustration shows a typical installation. However, you should make adjustments corresponding to your specific car. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

ESPAÑOL

- Esta unidad está diseñada para funcionar con 12 V de CC, con sistemas eléctricos de masa NEGATIVA.

INSTALACION (MONTAJE EN EL TABLERO DE INSTRUMENTOS)

- La siguiente ilustración muestra una instalación típica. Sin embargo usted deberá efectuar los ajustes correspondientes a su automóvil. Si tiene alguna pregunta o necesita información acerca de las herramientas para instalación, consulte con su concesionario de JVC de equipos de audio para automóviles o a una compañía que suministra tales herramientas.

FRANÇAIS

- Cet appareil est conçu pour fonctionner sur des sources de courant continu de 12 V à masse NEGATIVE.

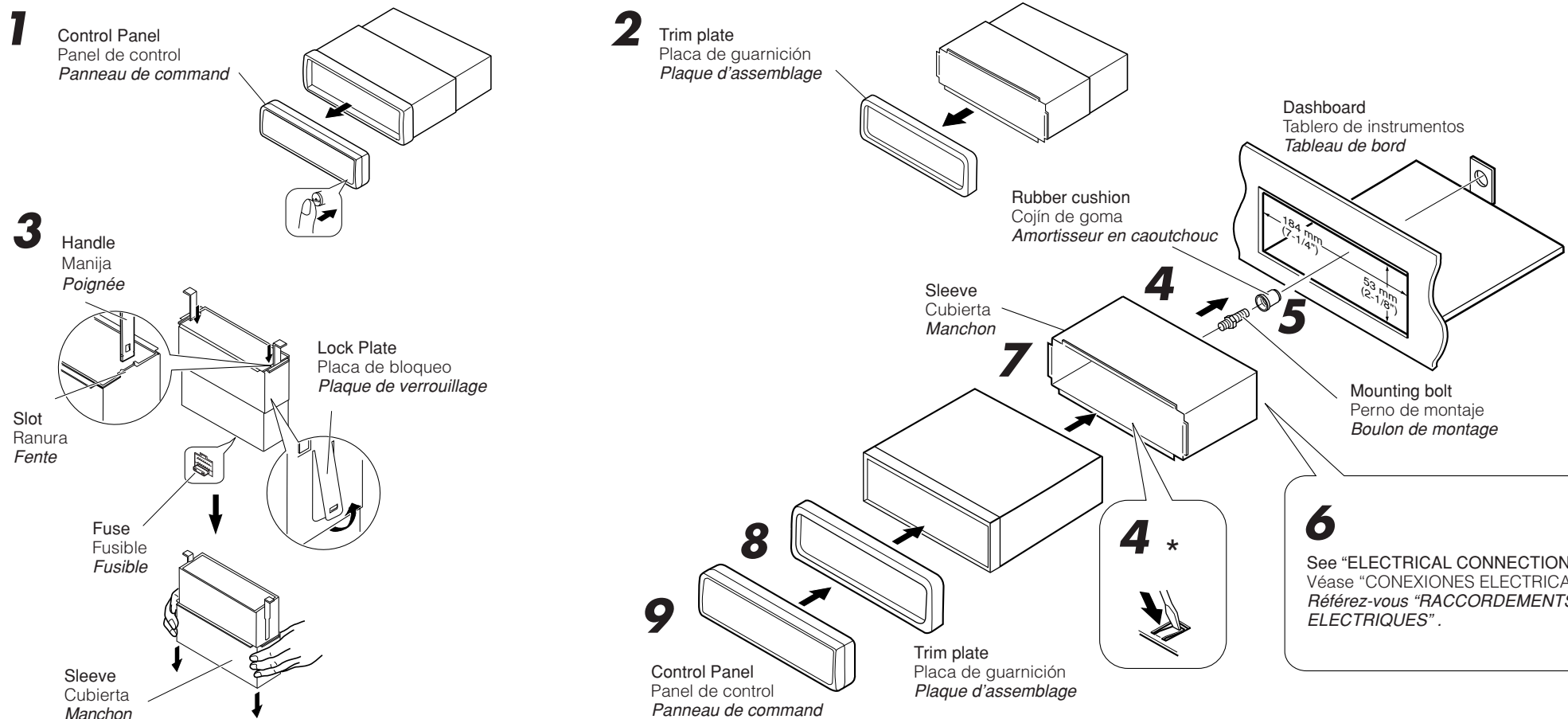
INSTALLATION (MONTAGE DANS LE TABLEAU DE BORD)

- L'illustration suivante est un exemple d'installation typique. Cependant, vous devez faire les ajustements correspondant à votre voiture particulière. Si vous avez des questions ou avez besoin d'information sur des kits d'installation, consulter votre revendeur d'autoradios JVC ou une compagnie d'approvisionnement.

- 1 Before mounting:** Press (Control Panel Release button) to detach the control panel if already attached.
 - * When shipped from the factory, the control panel is packed in the hard case
- 2** Remove the trim plate.
- 3** Remove the sleeve after disengaging the sleeve locks.
 - ① Stand the unit.
 - Note:** When you stand the unit, be careful not to damage the fuse on the rear.
 - ② Insert the 2 handles between the unit and the sleeve, as illustrated, to disengage the sleeve locks.
 - ③ Remove the sleeve.
 - Note:** Be sure to keep the handles for future use after installing the unit.
- 4** Install the sleeve into the dashboard.
 - * After the sleeve is correctly installed in the dashboard, bend the appropriate tabs to hold the sleeve firmly in place, as illustrated.
- 5** Fix the mounting bolt to the rear of the unit's body and place the rubber cushion over the end of the bolt.
- 6** Do the required electrical connections explained on the back of this instructions.
- 7** Slide the unit into the sleeve until it is locked.
- 8** Attach the trim plate.
- 9** Attach the control panel.

- 1 Antes de instalar:** Pulse (soltar panel de control) para separar el panel de control si ya está unido.
 - * Cuando se envía de la fábrica, el panel de control está embalado en el estuche duro.
- 2** Retire la placa de guarnición.
- 3** Retire la cubierta después de desenganchar los retenes de la cubierta.
 - ① Ponga la unidad vertical.
 - Nota:** Al poner la unidad vertical, tenga cuidado de no dañar el fusible provisto en la parte posterior.
 - ② Inserte las dos asas entre la unidad y la cubierta tal como en la ilustración y desenganche los retenes de la cubierta.
 - ③ Retire la cubierta.
 - Nota:** Después de instalar la unidad, asegúrese de guardar las asas para uso futuro.
- 4** Instale la cubierta en el tablero de instrumentos.
 - * Después de que la cubierta esté correctamente instalada en el tablero de instrumentos, doble las lengüetas correspondientes para sostener la cubierta firmemente en su lugar, tal como se muestra.
- 5** Fije el perno de montaje o la parte trasera del cuerpo de la unidad y coloque el cojín de goma sobre el extremo del perno.
- 6** Realice las conexiones eléctricas requeridas en base a las explicaciones que figuran en la parte de atrás de estas instrucciones.
- 7** Deslice la unidad dentro de la cubierta hasta que quede trabada.
- 8** Coloque la placa de guarnición.
- 9** Coloque el panel de control.

- 1 Avant le montage:** Appuyez sur (déblocage du panneau de commande) pour éventuellement détacher le panneau de commande.
 - * Lorsque ce panneau de commande sort d'usine, il est rangé dans un étui de transport.
- 2** Retirer la plaque d'assemblage.
- 3** Libérer les verrous du manchon et retirer le manchon.
 - ① Poser l'appareil à la verticale.
 - Remarque:** Lorsque vous mettez l'appareil à la verticale, faire attention de ne pas endommager le fusible situé sur le fond.
 - ② Insérer les 2 poignées entre l'appareil et le manchon comme indiqué pour désengager les verrous de manchon.
 - ③ Retirer le manchon.
 - Remarque:** S'assurer de garder les poignées pour une utilisation ultérieure, après l'installation de l'appareil.
- 4** Installer le manchon dans le tableau de bord.
 - * Après installation correcte du manchon dans le tableau de bord, plier les bonnes pattes pour maintenir fermement le manchon en place, comme montré.
- 5** Monter le boulon de montage sur l'arrière du corps de l'appareil puis passer l'amortisseur en caoutchouc sur l'extrémité du boulon.
- 6** Réaliser les connexions électriques expliquées au dos de cette page.
- 7** Faire glisser l'appareil dans le manchon jusqu'à ce qu'il soit verrouillé.
- 8** Remonter la plaque d'assemblage.
- 9** Remonter le panneau de commande.



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

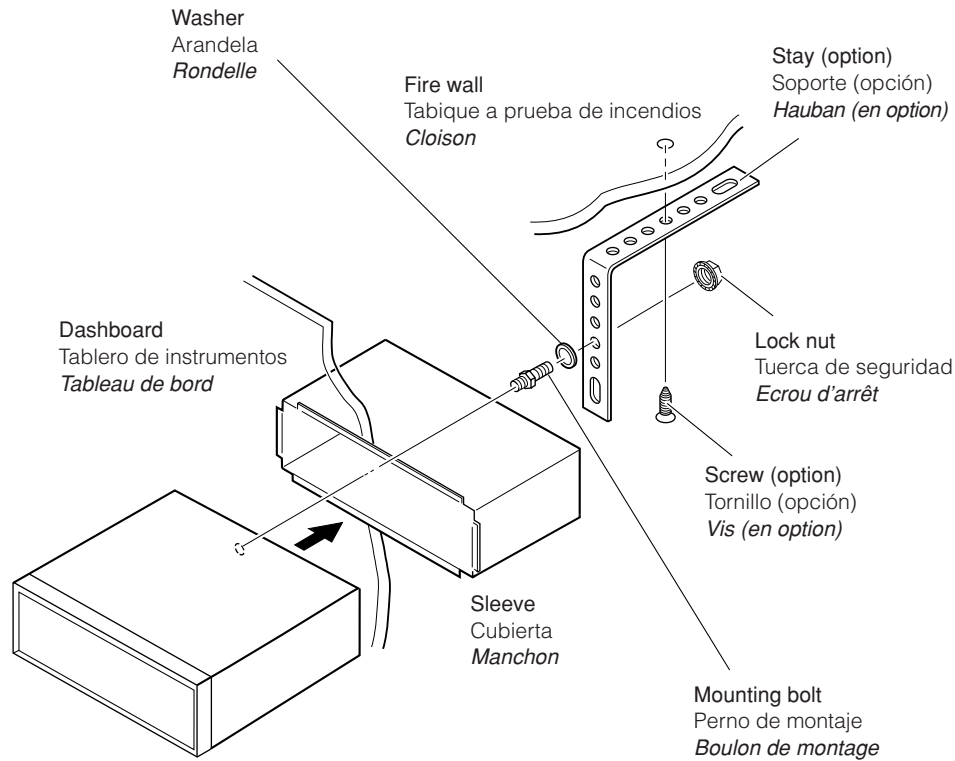
LOCALIZACION DE AVERIAS

- **El fusible se quema.**
 - * ¿Están los conductores rojo y negro correctamente conectados?
- **No es posible conectar la alimentación.**
 - * ¿Está el cable amarillo conectado?
- **No sale sonido de los altavoces.**
 - * ¿Está el cable de salida del altavoz cortocircuitado?
- **El sonido presenta distorsión.**
 - * ¿Está el cable de salida del altavoz conectado a masa?
 - * ¿Están los terminales "-" de los altavoces L y R conectados a una masa común?
- **La unidad se calienta.**
 - * ¿Está el cable de salida del altavoz conectado a masa?
 - * ¿Están los terminales "-" de los altavoces L y R conectados a una masa común?

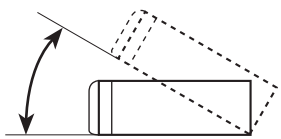
EN CAS DE DIFFICULTÉS

- **Le fusible saute.**
 - * Les fils rouge et noir sont-ils raccordés correctement?
- **L'appareil ne peut pas être mise sous tension.**
 - * Le fil jaune est-elle raccordée?
- **Pas de son des haut-parleurs.**
 - * Le fil de sortie de haut-parleur est-il court-circuité?
- **Le son est déformé.**
 - * Le fil de sortie de haut-parleur est-il à la masse?
 - * Les bornes "-" des haut-parleurs gauche et droit sont-elles mises ensemble à la masse?
- **L'appareil devient chaud.**
 - * Le fil de sortie de haut-parleur est-il à la masse?
 - * Les bornes "-" des haut-parleurs gauche et droit sont-elles mises ensemble à la masse?

- When using the optional stay
- Cuando emplea un soporte opcional
- Lors de l'utilisation du hauban en option



Less than 30°
Menos de 30°
Moins de 30°



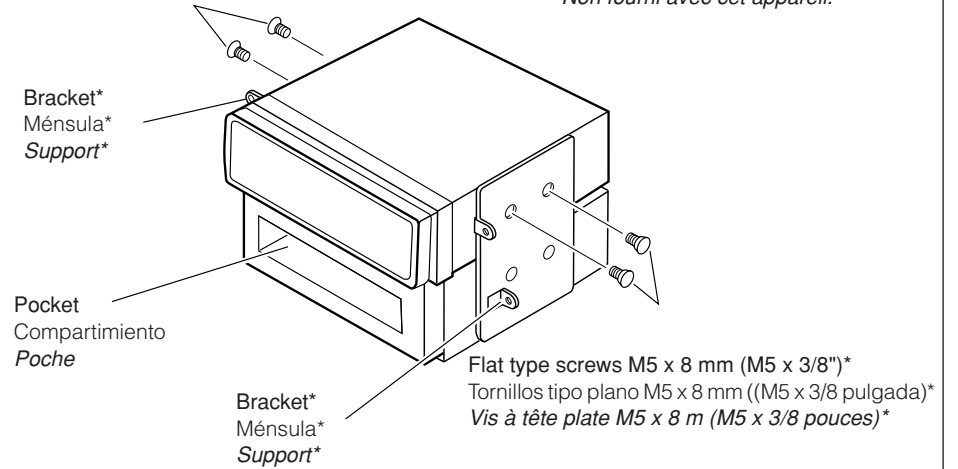
Install the unit at an angle of less than 30°
Instale la unidad a un ángulo de menos de 30°
Installez l'appareil avec un angle de moins de 30°

- When installing the unit without using the sleeve
- Instalación de la unidad sin utilizar la cubierta
- Lors de l'installation de l'appareil sans utiliser de manchon

In a Toyota for example, first remove the car radio and install the unit in its place.
En un Toyota por ejemplo, primero extraiga la radio del automóvil y luego instale la unidad en su lugar.
Par exemple dans une Toyota, retirer d'abord l'autoradio et installer l'appareil à la place.

Flat type screws M5 x 8 mm (M5 x 3/8")*
Tornillos tipo plano M5 x 8 mm (M5 x 3/8 pulgada)*
Vis à tête plate M5 x 8 m (M5 x 3/8 pouces)*

* Not included with this unit.
* No suministrado con esta unidad.
* Non fourni avec cet appareil.



Note: When installing the unit on the mounting bracket, make sure to use the 8 mm (3/8")-long screws. If longer screws are used, they could damage the unit.

Nota: Cuando instala la unidad en la ménsula de montaje, asegúrese de utilizar los tornillos de 8 mm (3/8 pulgada) de longitud. Si se utilizan tornillos más largos, éstos pueden dañar la unidad.

Remarque: Lors de l'installation de l'appareil sur le support de montage, s'assurer d'utiliser des vis d'une longueur de 8 mm (3/8 pouces). Si des vis plus longues sont utilisées, elles peuvent endommager l'appareil.

Removing the unit

• Before removing the unit, release the rear section.

- 1 Remove the control panel.
- 2 Remove the trim plate.
- 3 Insert the 2 handles into the slots, as shown. Then, while gently pulling the handles away from each other, slide out the unit. (Be sure to keep the handles after installing it.)

Extracción de la unidad

• Antes de extraer la unidad, libere la sección trasera.

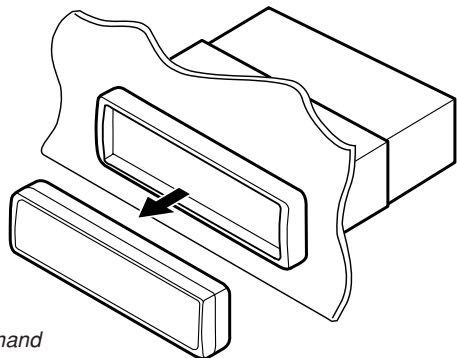
- 1 Extraiga el panel de control.
- 2 Retire la placa de guarnición.
- 3 Inserte las 2 manijas entre las ranuras, como se muestra. Luego, separe gentilmente las manijas y extraiga la unidad. (Asegúrese de conservar las manijas después de instalarlo.)

Retrait de l'appareil

• Avant de retirer l'appareil, libérer la section arrière.

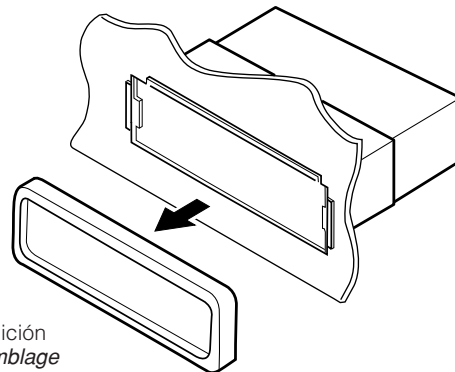
- 1 Retirer le panneau de commande.
- 2 Retirer la plaque d'assemblage.
- 3 Introduire les deux poignées dans les fentes, comme montré. Puis, tout en tirant doucement les poignées écartées, faire glisser l'appareil pour le sortir. (S'assurer de conserver les poignées après l'installation de l'appareil.)

1



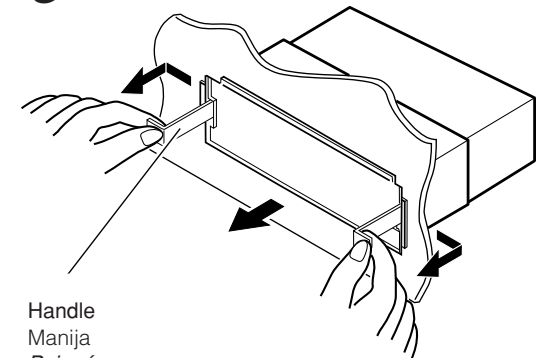
Control Panel
Panel de control
Panneau de command

2



Trim plate
Placa de guarnición
Plaque d'assemblage

3



Handle
Manija
Poignée

Parts list for installation and connection

The following parts are provided with this unit.
After checking them, please set them correctly.

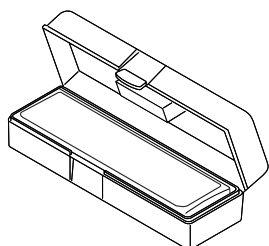
Lista de piezas para instalación y conexión

Con esta unidad se suministran las siguientes piezas.
Después de inspeccionarlas, colóquelas correctamente.

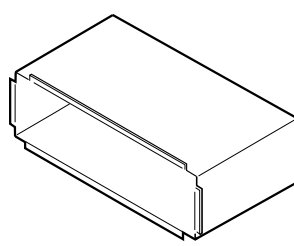
Liste des pièces pour l'installation et raccordement

Les pièces suivantes sont fournies avec cet appareil.
Après vérification, veuillez les placer correctement.

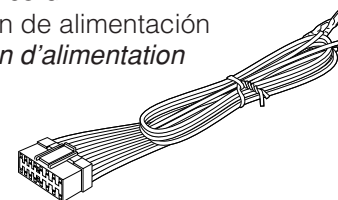
Hard case/Control Panel
Estuche duro/Panel de control
Etui de transport /Panneau de command



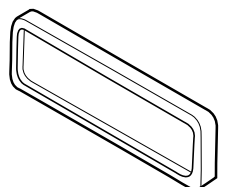
Sleeve
Cubierta
Manchon



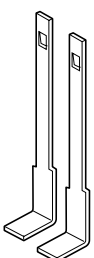
Power cord
Cordón de alimentación
Cordon d'alimentation



Trim plate
Placa de guarnición
Plaque d'assemblage



Handles
Manijas
Poignées



Washer (ø5)
Arandela (ø5)
Rondelle (ø5)



Lock nut (M5)
Tuerca de seguridad (M5)
Ecrou d'arrêt (M5)



Mounting bolt M5 x 20 mm (M5 x 13/16")
Perno de montaje M5 x 20 mm (M5 x 13/16 pulgada)
Boulon de montage (M5 x 20 mm (M5 x 13/16 pouces)



Rubber cushion
Cojín de goma
Amortisseur en caoutchouc



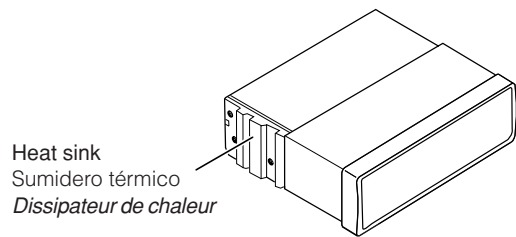
ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit. If you are not sure how to install this unit correctly, have it installed by a qualified technician.

Note:

This unit is designed to operate only on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- If noise is a problem... This unit incorporates a noise filter in the power circuit. However, with some vehicles, clicking or other unwanted noise may occur. If this happens, connect the unit's **rear ground terminal** (See connection diagram below.) to the car's chassis using shorter and thicker cords, such as copper braiding or gauge wire. If noise still persists, consult your JVC car audio dealer.
- Maximum input of the speakers should be more than 45 W at the rear and 45 W at the front, with an impedance of **4 to 8 Ω**.
- **Be sure to ground this unit to the car's chassis.**
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



CONEXIONES ELECTRICAS

Para evitar cortocircuitos, recomendamos que desconecte el terminal negativo de la batería y que efectúe todas las conexiones eléctricas antes de instalar la unidad. Si usted no está seguro de cómo instalar correctamente la unidad, hágala instalar por un técnico cualificado.

Nota:

Esta unidad está diseñada para funcionar con **12 V de CC, con sistemas eléctricos de masa NEGATIVA** solamente. Si su vehículo no posee este sistema, será necesario un inversor de tensión, que puede ser adquirido en los concesionarios de JVC de equipos de audio para automóviles.

- Reemplace el fusible por uno con la corriente especificada. Si el fusible se quemase frecuentemente consulte con su concesionario de JVC de equipos de audio para automóviles.
- Si el ruido fuese un problema... Esta unidad tiene un filtro de ruido en el circuito de alimentación. Sin embargo, en algunos vehículos, pueden producirse chasquidos u otros ruidos indeseados. En tal caso conecte el **terminal de tierra posterior** (Ver diagrama de conexión abajo.) del receptor al chasis del automóvil, utilizando cordones más gruesos y cortos tales como alambre de cobre trenzado o de grueso calibre. Si el ruido persiste, consulte a su concesionario de JVC de equipos de audio para automóvil.
- La entrada máxima de los altavoces traseros debe ser mayor de 45 W y la de los delanteros de 45 W, con una impedancia de **4 a 8 Ω**.
- **Asegúrese de conectar esta unidad a tierra en el chasis del automóvil.**
- El sumidero térmico estará muy caliente después del uso. Asegúrese de no tocarlo al desmontar esta unidad.

RACCORDEMENTS ELECTRIQUES

Pour éviter tout court-circuit, nous vous recommandons de débrancher la borne négative de la batterie et d'effectuer tous les raccordements électriques avant d'installer l'appareil. Si l'on n'est pas sûr de pouvoir installer correctement cet appareil, le faire installer par un technicien qualifié.

Remarque:

Cet appareil est conçu pour fonctionner sur des sources de courant continu de **12 V à masse NEGATIVE** seulement. Si votre véhicule n'offre pas ce type d'alimentation, il vous faut un convertisseur de tension, que vous pouvez acheter chez un revendeur d'autoradios JVC.

- Remplacer le fusible par un de la valeur précisée. Si le fusible saute souvent, consulter votre revendeur d'autoradios JVC.
- Si le bruit est un problème... Cet appareil incorpore un filtre de bruit dans le circuit d'alimentation. Cependant, avec certains véhicules, quelques claquements ou autres bruits non désirés risquent de se produire. Si cela arrive, raccorder la **borne de masse arrière** de l'appareil au châssis de la voiture (voir le schéma de raccordement ci-dessous) en utilisant des cordons les plus gros et les plus courts possibles telle qu'une barre de cuivre ou une tresse. Si le bruit persiste, consulter votre revendeur d'autoradios JVC.
- La puissance admissible des haut-parleurs doit être supérieure à 45 W à l'arrière et à 45 W l'avant, avec une impédance de **4 à 8 Ω**.
- **S'assurer de raccorder la mise à la masse de cet appareil au châssis de la voiture.**
- Le radiateur devient très chaud après usage. Faire attention de ne pas le toucher en retirant cet appareil.

A Typical Connections / Conexiones típicas / Raccordements typiques

Before connecting: Check the wiring in the vehicle carefully not to fail in connecting this unit. Incorrect connection may cause a serious damage to this unit. The leads of the power cord and those of the connector from the car body may be different in color.

1 Connect the colored leads of the power cord to the car battery, speakers and automatic antenna (if any) in the following sequence.

- ① Black: ground
- ② Yellow: to car battery (constant 12V)
- ③ Red: to an accessory terminal
- ④ Blue with white stripe: to remote lead of other equipment or automatic antenna if any (200 mA max.)
- ⑤ Others: to speakers

2 Connect the antenna cord.

3 Finally connect the wiring harness to the unit.

Antes de la conexión: Verifique atentamente el conexionado del vehículo para no cometer errores al conectar esta unidad. Una conexión incorrecta podría producir daños graves en la unidad. Los cordones del cable de alimentación y los del conector procedentes de la carrocería del automóvil podrían ser de diferentes en color.

1 Conecte los conductores de color del cable de alimentación a la batería del automóvil, altavoces y antena automática (si la hubiere) en la secuencia siguiente.

- ① Negro: a tierra.
- ② Amarillo: a la batería del automóvil (12V constantes)
- ③ Rojo: a un terminal de accesorio
- ④ Azul con rayas blancas: al conductor remoto de otro equipo o de la antena automática, si hubiere (máx. 200 mA)
- ⑤ Otros: a los altavoces

2 Conecte el cable de antena.

3 Por último, conecte a la unidad el cableado preformado.

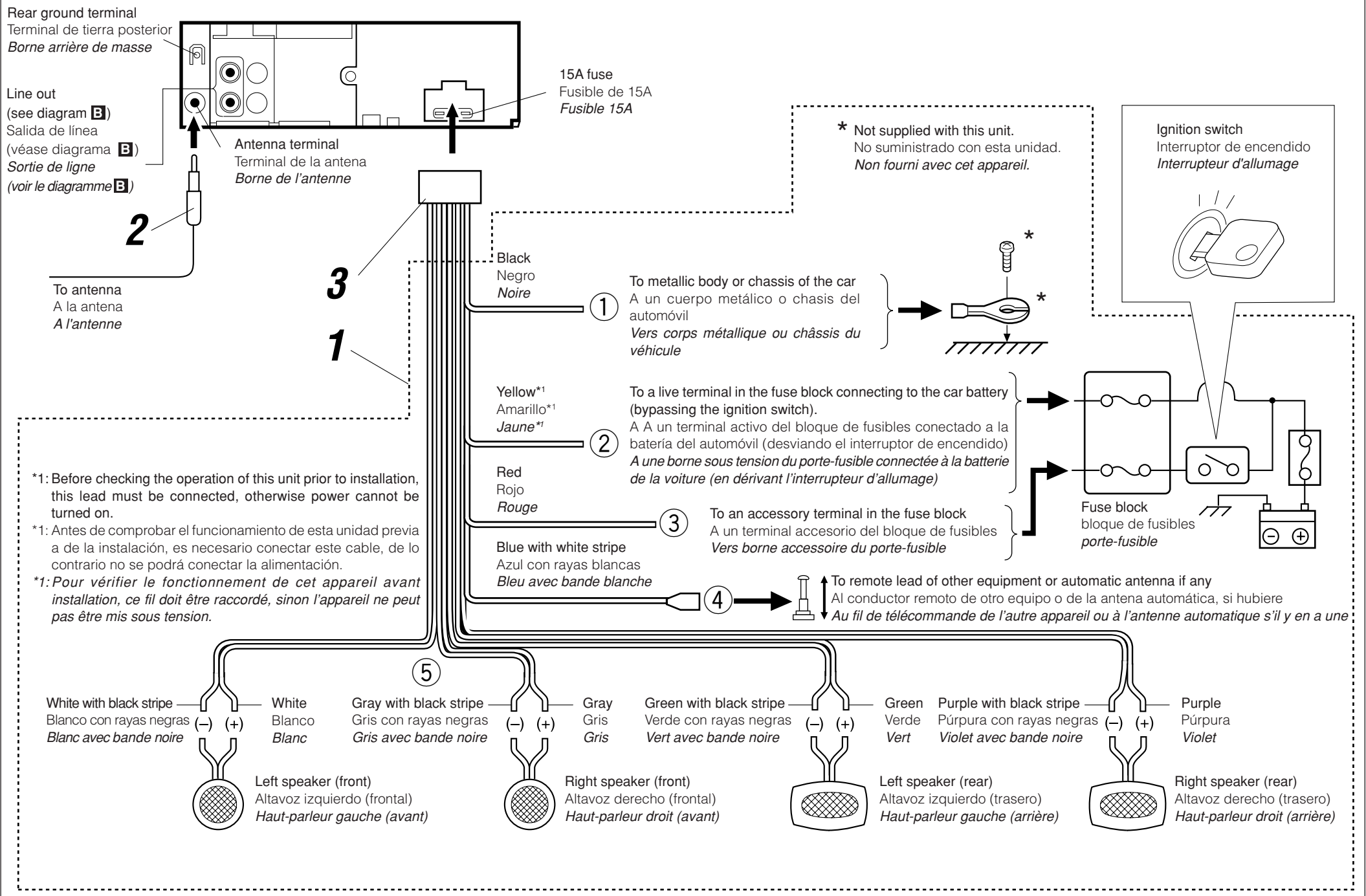
Avant de commencer la connexion: vérifiez attentivement le câblage du véhicule pour ne pas connecter incorrectement cet appareil. Une connexion incorrecte peut endommager sérieusement l'appareil. Le fil du cordon d'alimentation et ceux des connecteurs du châssis de la voiture peuvent être différents en couleur.

1 Connectez les fils de couleur du cordon d'alimentation à la batterie de la voiture, aux enceintes et à l'antenne automatique (s'il y en a une) dans l'ordre suivant.

- ① Noir: a la masse
- ② Jaune: a la batterie de la voiture (12V constant)
- ③ Rouge: à la prise accessoire
- ④ Bleu avec bande blanche: au fil de télécommande de l'autre appareil ou à l'antenne automatique s'il y en a une (200 mA max.)
- ⑤ Autres: aux enceintes

2 Connectez le cordon d'antenne.

3 Finalement, connectez le faisceau de fils à l'appareil.



PRECAUTIONS on power supply and speaker connections:

- DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.
- Connect the black lead (ground), yellow lead (to car battery, constant 12V), and red lead (to an accessory terminal) correctly.
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.
 - If the speaker wiring in your car is as illustrated in Fig. 1 and Fig. 2 below, DO NOT connect the unit using that original speaker wiring. If you do, the unit will be seriously damaged. Redo the speaker wiring so that you can connect the unit to the speakers as illustrated in Fig. 3.
 - If the speaker wiring in your car is as illustrated in Fig. 3, you can connect the unit using the original speaker wiring in your car.
 - If you are not sure of the speaker wiring of your car, consult your car dealer.

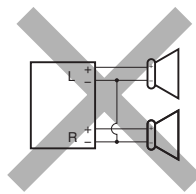


Fig. 1

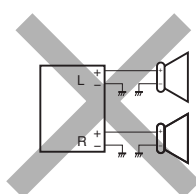


Fig. 2

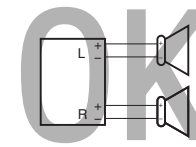


Fig. 3

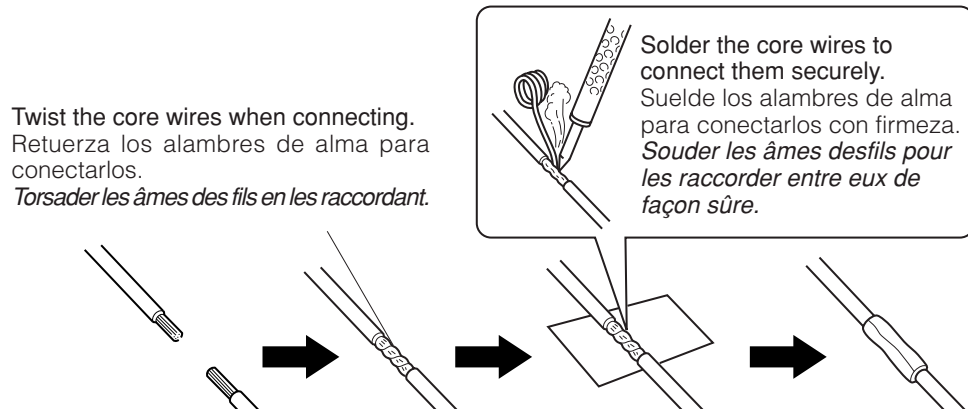
PRECAUCIONES sobre las conexiones de la fuente de alimentación y de los altavoces:

- NO conecte los conductores de altavoz del cable de alimentación a la batería de automóvil, pues podrían producirse graves daños en la unidad.
- Conecte correctamente el conductor negro (a tierra), el conductor amarillo (a la batería del automóvil, 12V constantes), y el conductor rojo (a un terminal de accesorio).
- ANTES de conectar a los altavoces los conductores de altavoz del cable de alimentación, verifique el conexionado de altavoz de su automóvil.
 - Si el conexionado de altavoz de su automóvil es como se indica en las Figs. 1 y 2 de abajo, NO conecte la unidad utilizando ese conexionado de altavoz original. Si lo hace, se producirán daños graves en la unidad. Vuelva a efectuar el conexionado de altavoz de manera que pueda conectar la unidad a los altavoces de la manera indicada en la Fig.3.
 - Si el conexionado de altavoz de su automóvil es como se indica en la Fig.3, podrá conectar la unidad utilizando el conexionado de altavoz original de su automóvil.
 - Si tiene dudas sobre el conexionado de altavoz de su automóvil, consulte con su concesionario.

PRECAUTIONS sur l'alimentation et la connexion des enceintes:

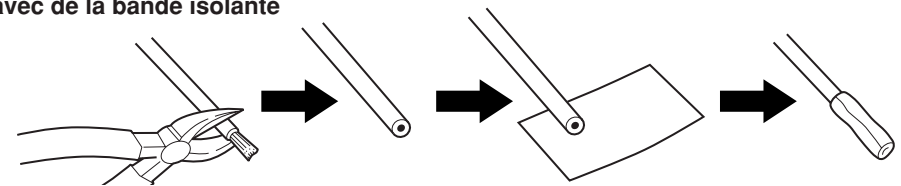
- NE CONNECTEZ PAS les fils d'enceintes du cordon d'alimentation à la batterie; sinon, l'appareil serait sérieusement endommagé.
- Connectez correctement le fil noir (à la masse), le fil jaune (à la batterie de la voiture, 12V constant) et le fil rouge (à la prise accessoire).
- AVANT de connecter les fils d'enceintes du cordon d'alimentation aux enceintes, vérifiez le câblage des enceintes de votre voiture.
 - Si le câblage des enceintes de votre voiture est réalisé comme montré sur la Fig. 1 ou Fig. 2 ci-dessous, NE CONNECTEZ PAS l'appareil en utilisant ce câblage original d'enceintes. Si vous le faites, l'appareil sera sérieusement endommagé. Recommencez le câblage des enceintes de façon que vous puissiez connecter l'appareil aux enceintes comme montré sur la Fig. 3.
 - Si le câblage des enceintes de votre voiture est comme montré sur la Fig. 3, vous pouvez connecter l'appareil en utilisant ce câblage original d'enceintes pour votre voiture.
 - Si vous n'êtes pas sûrs du câblage d'enceintes de votre voiture, consultez le concessionnaire de votre voiture.

Connecting the leads / Conexión de los conductores / Raccordement des fils



CAUTION / PRECAUCION / PRECAUTION:

- To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
- Para evitar cortocircuitos, cubra los cables NO UTILIZADOS con cinta aislante.
- Pour éviter les court-circuits, couvrir les bornes des fils qui ne sont PAS utilisés avec de la bande isolante



B Connections Adding Other Equipment / Conexiones para añadir otros equipos / Raccordement pour ajouter d'autres appareils

Amplifier / Amplificador / Amplificateur

You can connect an amplifier to upgrade your car stereo system.

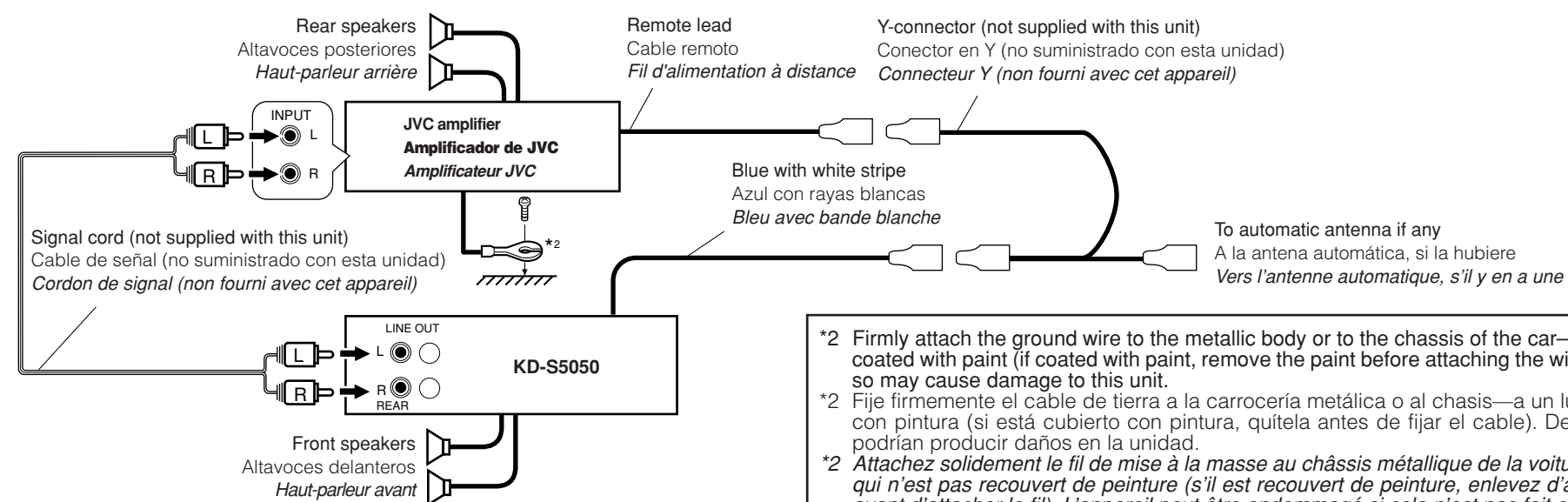
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
- Connect this unit's line-out terminals to the amplifier's line-in terminals.
- **Disconnect the speakers from this unit, connect them to the amplifier.** Leave the speaker leads of this unit unused. (Cover the terminals of these unused leads with insulating tape, as illustrated above.)

Usted podrá conectar un amplificador para mejorar el sistema estéreo de su automóvil.

- Conecte el cable remoto (azul con rayas blancas) al cable remoto del otro equipo para que pueda ser controlado a través de esta unidad.
- Conecte los terminales de salida de línea de esta unidad con los terminales de entrada de línea del amplificador.
- **Desconecte los altavoces de esta unidad y conéctelos al amplificador.** Los cables de los altavoces de esta unidad quedan sin usar. (Cubra los terminales de estos cables sin usar con cinta aislante, tal comose indica en la figura de arriba).

Vous pouvez connecter un amplificateur pour améliorer votre système autoradio.

- Connecter le fil d'alimentation à distance (bleu avec des bandes blanches) au fil d'alimentation à distance de l'autre appareil de façon qu'il puisse être contrôlé par cet appareil.
- Raccorder les bornes de sortie ligne de cet appareil aux bornes d'entrée ligne de l'amplificateur.
- **Déconnectez les enceintes de cet appareil et connectez-les à l'amplificateur.** Laissez les fils d'enceintes de cet appareil inutilisés. (Recouvrir les extrémités de ces fils inutilisés avec de la bande isolante comme montré ci-dessus.)



*2 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place not coated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to this unit.
 *2 Fije firmemente el cable de tierra a la carrocería metálica o al chasis—a un lugar no cubierto con pintura (si está cubierto con pintura, quítela antes de fijar el cable). De lo contrario, se podrían producir daños en la unidad.
 *2 Attachez solidement le fil de mise à la masse au châssis métallique de la voiture—à un endroit qui n'est pas recouvert de peinture (s'il est recouvert de peinture, enlevez d'abord la peinture avant d'attacher le fil). L'appareil peut être endommagé si cela n'est pas fait correctement.



Having TROUBLE with operation? Please check this Troubleshooting Guide. Still having trouble??

USA ONLY

Call **1-800-252-5722**

<http://www.jvc.com>

We can help you!

Since the descriptions in this troubleshooting guide have been designated to be applied to JVC's standard CD Receiver, some of the functions and operations described may not be applied exactly to your receiver.

If they cannot be applied exactly, refer also to the Instructions and Installation/Connection manual supplied with your receiver for details on the actual functions and operations, and cope with your troubles properly.

TROUBLESHOOTING GUIDE For CD Receiver

SYMPTOMS	CAUSES	REMEDIES
No sound comes out of the speakers.	The speaker wiring is not correctly finished.	Check if the speaker wiring is correctly finished, by referring to the Installation/Connection manual.
	Speaker cables are short-circuited.	Check if each cable is not cut or caught in the bracket or shorted by some other metallic parts. <i>To prevent any short-circuit, cover the ends of any unused cable with insulating tape.</i>
	Original speaker wiring in the car has a common ground for both left and right speakers or speaker wiring is earthed to the metallic body or chassis of the car.	Do not use the original speaker wiring in the car. Redo the speaker wiring by referring to the Installation/Connection manual.
	Speaker cable connection or soldering is not intact.	Check if the speaker cable connection is correct and intact, by using a tester or other measuring devices.
	Volume is set to the minimum level.	Adjust the volume to the optimum level. <i>If this does not work, check and adjust the fader and balance settings.</i>
	Power amplifier built in this unit has been deactivated.	Activate the built-in power amplifier by turning on the power amplifier on/off switch. <i>Refer to the Instructions manual.</i>
	When using an external power amplifier: The remote cable is not connected correctly.	Check if the remote cable connection is correct and intact, by using a tester or other measuring devices.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

Troubleshooting for

SYMPTOMS	CAUSES	REMEDIES
The unit does not turn on.	The power cords are not connected correctly.	Check if the connection is correctly finished, by referring to the Installation/Connection manual.
	A fuse has blown (in the unit or in the fuse block of the car).	Check if the connection and the original wiring in the car are correct, then replace the fuse. <i>If the fuse blows frequently, consult with your JVC car audio dealer.</i>
	The ground cable is not correctly earthed.	Check if the ground cable connection is correct and intact, by using a tester or other measuring devices. <i>If the ground cable is connected to a painted metallic part, sand off the paint from or connect to an unpainted metallic part.</i>
	Wiring is short-circuited.	Check if each cable is not cut or caught in the bracket or shorted by some other metallic parts.
	The car battery is exhausted. (The voltage power is less than 11 volts.)	Have the car battery and electrical system checked so that a proper output voltage (11 to 16 volts) is obtained. CAUTION: NEVER use a 24-volt battery.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
CD sound is sometimes interrupted.	Used while driving on rough roads. (The unit is subjected to extreme shock.)	Check if the unit can play back a CD normally on a flat road.
	CD is scratched.	Check if the unit can play back another CD normally. <i>If CD sound is not interrupted while playing back another CD, there is nothing wrong with this unit.</i>
	CD is stained by fingerprints, grease, etc.	Clean CD with a commercially available cleaner.
	Pickup lens inside the unit is stained.	Clean the lens by using a commercially available pickup lens cleaner. CAUTION: NEVER use a cleaner with a detachable brush.
	Interference from the cellular phone.	Keep the phone away from the unit.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
The unit does not operate at all.	Detachable control panel connection is not intact.	Clean the connectors on both detachable control panel and on the main unit, by referring to the Instructions manual.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
CD is ejected and cannot be played.	CD is inserted upside down.	Insert the CD correctly with the printed surface facing up.
	CD is scratched.	Check if the unit can play back another CD normally. <i>If the unit can play back another CD normally, there is nothing wrong with this unit.</i>
	CD is stained by fingerprints, grease, etc.	Clean CD with a commercially available cleaner.
	Pickup lens inside the unit is stained.	Clean the lens by using a commercially available pickup lens cleaner. CAUTION: NEVER use a cleaner with a detachable brush.
	Moisture may condense on the pickup lens inside the unit.	Eject the CD and leave the unit turned on for a few hours until the moisture evaporates.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
No station can be tuned.	No station uses the tuned frequency.	Tune into the correct station frequency.
	Antenna connection is not correct or intact.	Check if the connection is correct and intact.
	Antenna plug from the car does not fit into the unit.	Use an antenna adaptor. <i>Consult with your JVC car audio dealer with regard to an antenna adaptor.</i>
	Power antenna cannot be extended automatically.	Check if the remote cable connection is correct and intact, by using a tester or other measuring devices.
	Antenna booster is not switched on.	Check if the remote cable is correctly connected to the antenna booster.
	Remote cable is overloaded with a high electric current.	The remote cable can be loaded with up to 200 mA. The device requiring more than 200 mA (i.e. power supply of an external amplifier) should not be connected. <i>When connecting such a device requiring a high electric current, consult with your JVC car audio dealer.</i>
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
CD-R cannot be played back.	Recording format of the CD-R cannot be treated on this unit.	<i>Consult with the application company from which you purchased the CD-R recording software.</i>
	CD-R, disc itself, cannot be treated on this unit.	<i>Consult with the company making the discs you purchased.</i>

SYMPTOMS	CAUSES	REMEDIES
CD cannot be inserted.	Another CD has already been in the CD compartment.	Eject the CD already inserted, then insert a CD.
	CD player malfunctions.	Press and hold the POWER and EJECT buttons at the same time for more than 2 seconds.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

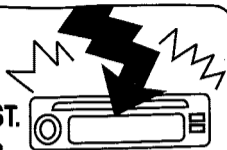
SYMPTOMS	CAUSES	REMEDIES
CD changer does not work at all.	The unit is not connected to the CD changer correctly. (When this is the cause, "R 8" or "RESET 8" appears on the display.)	Connect the unit and the CD changer correctly and press the reset button of the CD changer.
	No power is supplied to the CD changer.	Check if the short pin or power cord is connected correctly to the CD changer.
	Ejection mechanism error. (When this is the cause, "R 1" or "RESET 1" appears on the display.)	Press the reset button of the CD changer.
	Lifter (disc up/down) motor mechanism error. (When this is the cause, "R 2" or "RESET 2" appears on the display.)	Press the reset button of the CD changer.
	Tray (out/in) motor mechanism error. (When this is the cause, "R 3" or "RESET 3" appears on the display.)	Press the reset button of the CD changer.
	Pickup mechanism error (not return to the reset position when ejecting CD). (When this is the cause, "R 4" or "RESET 4" appears on the display.)	Press the reset button of the CD changer.
	Bus protocol error (signal transmission error). (When this is the cause, "R 6" or "RESET 6" appears on the display.)	Press the reset button of the CD changer.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
CD cannot be ejected.	CD ejection is prohibited.	Press and hold the CD and EJECT buttons at the same time for more than 2 seconds.
	CD player malfunctions.	Press and hold the POWER and EJECT buttons at the same time for more than 2 seconds.
	The microcomputer built in this unit is not functioning correctly due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>



CAUTION

CONNECT BLACK WIRE (① GND) TO GROUND FIRST.
OTHERWISE, DAMAGE TO YOUR UNIT MAY OCCUR.

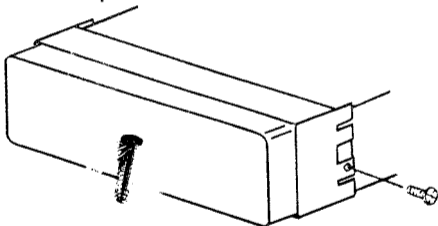


CAUTION

INCORRECT CONNECTION CAUSES SERIOUS
DAMAGE TO THIS UNIT.

PLEASE READ INSTALLATION/CONNECTION
MANUAL CAREFULLY.

When it is not required to detach the front control panel from the main unit, use the provided screw to attach the control panel to the main unit



FSYA4001-001

Thank you for purchasing

JVC®

Instructions

Fold so opening is at the top.
Tape in middle or on front.

Please do not send products or other
correspondence to this address.

307C



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STAMP
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PRODUCT REGISTRATION CARD/QUESTIONNAIRE

US CUSTOMERS ONLY

Registering your product will allow us to contact you in the unlikely event a product safety notification is required.

This is not a warranty card. Retain your bill of sale for proof of warranty coverage.

THANK YOU FOR PURCHASING THIS JVC PRODUCT

REGISTER ONLINE AT: WWW.JVC.COM

First Name: _____

Last Name: _____

Address: _____

Apt #” _____

City: _____

State: _____

Zip: _____

Phone: _____

Email Address: _____

Thank you! We appreciate your responses to this questionnaire. The information you choose to share with us will be used by JVC to offer you product information and other communications that may interest you. If you prefer not to be contacted about these special offers, please check here. { }

Date of Purchase _____

Model Number _____

Serial Number _____

Purchase Price _____

Dealer _____

1) Did you:

- Purchase this product your self?
- Receive this product as a gift?

5) Your Gender:

- Male
- Female

2) Is this Product:

- The first product of this type you have ever owned?
- A replacement for a similar JVC product?
- A replacement for a similar product made by another company?
- An addition to a similar product you are still using?

6) Your Marital Status

- Married
- Single

3) What factors most influenced your decision to purchase this product?

- JVC brand reputation
- Previous experience with JVC products
- Price
- Specific product features
- Style/appearance
- Salesperson's recommendation
- Friend/relative's recommendation
- Warranty coverage
- Other

7) What is your approximate annual household income level?

- Under \$25,000
- \$25,000 - \$49,000
- \$50,000 - \$74,000
- \$75,000 - \$99,000
- \$100,000 and over

Comments:

4) How did you learn about this product?

- Magazine Advertisement
- Newspaper Advertisement
- TV/Radio Announcement
- Product Brochure
- Direct Mail
- Mail Order Catalog
- Friend/Relative Recommendations
- Salesperson/Store Recommendation
- Internet
- Dealer Event
- Other

JVC Thanks you for completing this questionnaire. Your responses will help us reach you with offers that may interest you. If you prefer not to receive these offers please check here { }

Authorized Service Centers

QUALITY **JVC**[®] SERVICE

HOW TO LOCATE YOUR JVC SERVICE CENTER

TOLL FREE: 1 (800) 537-5722

<http://www.jvc.com>

Dear Customer,

In order to receive the most satisfaction from your purchase, please read the instruction booklet before operating the unit. In the event that repairs are necessary, please call 1 (800)537-5722 for your nearest authorized servicer or visit our website at **www.JVC.com**

Remember to retain your Bill of Sale for Warranty Service.

Do not service the television yourself

Caution

To prevent electrical shock, do not open the cabinet. There are no user serviceable parts

inside. Please refer to qualified service personnel for repairs.

Accessories

To purchase accessories for your JVC product, please call toll free: 1 (800)882-2345 or on the web at **www.JVC.com**



LIMITED WARRANTY

AUDIO-1 **USA ONLY**

ONLY FOR PRODUCT PURCHASED IN U.S.A.

JVC COMPANY OF AMERICA warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL PURCHASER AT RETAIL to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP from the date of original retail purchase for the period as shown below. ("The Warranty Period")

PARTS	1 YR	LABOR	1 YR
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THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN COMMONWEALTH OF PUERTO RICO.

WHAT WE WILL DO:

If this product is found to be defective, JVC will repair or replace defective parts at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products and parts thereof may be brought to a JVC authorized service center on a carry-in basis except for Television sets having a screen size 25 inches and above which are covered on an in-home basis.

WHAT YOU MUST DO FOR WARRANTY SERVICE:

Return your product to a JVC authorized service center with a copy of your bill of sale. For your nearest JVC authorized service center, please call toll free: (800) 537-5722.

If service is not available locally, box the product carefully, preferably in the original carton, and ship, insured, with a copy of your bill of sale plus a letter of explanation of the problem to the nearest JVC Factory Service Center, the name and location of which will be given to you by the toll-free number.

If you have any questions concerning your JVC Product, please contact our Customer Relations Department.

WHAT IS NOT COVERED:

This limited warranty provided by JVC does not cover:

1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model number or serial number has been altered, tampered with, defaced or removed;
2. Initial installation and installation and removal for repair;
3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;
4. Damage that occurs in shipment, due to act of God, and cosmetic damage;
5. Signal reception problems and failures due to line power surge;
6. Video Pick-up Tubes/CCD Image Sensor, Cartridge, Stylus (Needle) are covered for 90 days from the date of purchase;
7. Batteries (except that Rechargeable Batteries are covered for 90 days from the date of purchase);

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR THE LOSS OF USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

JVC COMPANY OF AMERICA
DIVISION OF JVC AMERICAS CORP.

1700 Valley Road
Wayne, New Jersey 07470

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAILS OF REFURBISHED PRODUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

For customer use:

Enter below the Model No. which is located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. : _____

Serial No. : _____

Purchase date : _____

Name of dealer : _____