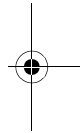


Cat. No. 12-2156
OWNER'S MANUAL

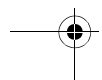
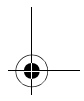
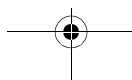
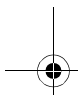
Please read before using this equipment.

CD Player

AM/FM Car Stereo



RadioShack®





FEATURES

Your RadioShack CD Player AMFM Car Stereo has many practical, easy-to-use features, and you can install it in almost any vehicle using the supplied mounting bracket, hardware, and cables. Your stereo is easy to operate, so you can concentrate on driving safely.

Caution: Do not change your stereo's settings in heavy traffic or during hazardous driving conditions.

GENERAL

Detachable Flat-Face Front Panel — lets you quickly remove and store the stereo's control panel in the supplied carry case. This discourages theft because the stereo cannot operate without the control panel.

Buzz Alarm — alerts you if you incorrectly connect the stereo's wiring during installation.

Audio Mute — lets you quickly silence the stereo's sound by pressing a single button.

Bass, Treble, Fader, and Balance Controls — let you easily adjust the high and low sounds and the balance between the left/right and front/rear speakers, so you can tailor the sound to suit your preferences.

Loud Button — lets you boost the volume of sounds at very high and low ranges, so you do not lose these sounds when the stereo's volume is set very low.

Line-Out Jacks — make it easy to connect an equalizer/booster.

Built-In Noise Suppression Choke — reduces the noise caused by your vehicle's electrical system.

CD PLAYER

Program Memory — lets you program and play up to 24 tracks.

Audible Search — lets you rapidly play a CD forward or backward to locate a desired track or section of a track.

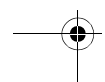
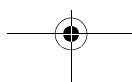
Random Play — randomly selects and plays tracks from the loaded CD.

Repeat Play — automatically repeats the current track.

Intro Scan — scans and plays the first 10 seconds of each track, so you can find a specific track.

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AM/FM STEREO TUNER

Memory Tuning — lets you quickly store and tune up to 30 of your favorite stations (12 AM and 18 FM).

Band Button — lets you easily select one of the tuner's AM or FM bands.

Memory Scan Tuning — scans all stations stored in memory, playing for 5 seconds on each station.

Seek Tuning — searches forward or backward to the next strong station in the selected band. This makes finding a station quick and easy.

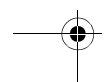
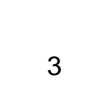
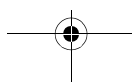
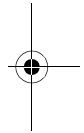
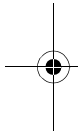
Local/Distance Tuning Control — lets you set the tuner to seek only strong local stations or both strong and weaker distant stations.

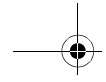
Advanced FM Optimizer Circuitry — automatically adjusts the tuner's stereo separation and high-frequency response to give you the best possible sound, regardless of the signal level.

This stereo is made and tested to meet exacting safety standards. It meets FCC requirements and complies with safety performance standards of the U.S. Department of Health and Human Services.

Warnings:

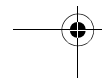
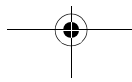
- This system employs a laser light beam. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.
- The use of controls, adjustments, or procedures other than those specified herein might result in hazardous radiation exposure.





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INSTALLATION



BEFORE YOU BEGIN INSTALLATION

Before you install your stereo, read all the instructions in this owner's manual. You should be able to answer all of these questions about your vehicle's electrical and sound systems.

- Which terminal in my vehicle's fuse box supplies power even when the ignition is turned off?
- Which terminal in my vehicle's fuse box is for accessories?
- How do I connect a wire to the fuse box?
- Which stereo wires are line-level outputs and which are speaker outputs?

Also, be aware that installation in your vehicle might require cutting or modifying your vehicle.

Place the stereo as close as possible to the selected mounting location. We recommend that you install the stereo by temporarily connecting it to ground and power, optional components, and your speakers. Then test the connections, disconnect the stereo, mount it in your vehicle, and reconnect it. The instructions in this manual are arranged in this order.

Preparing the Mounting Area

Before you mount the stereo, make sure you have all the necessary materials. Then confirm that the stereo fits your vehicle's mounting area. This autosound stereo system is a DIN-E size unit that requires a 2¼-inch high by 7½-inch wide by 7¼-inch deep (57 × 190 × 186 mm) mounting area.

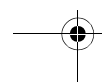
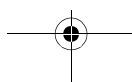
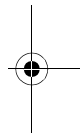
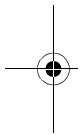
Note: If the mounting area is too large, you might be able to mount the stereo with an in-dash installation kit, available at your local RadioShack store. Follow the installation kit's instructions to mount the stereo.

Cautions:

- Make sure the stereo will not tilt up more than 30 degrees when it is mounted.
- Be sure to avoid obstructions behind the mounting surface.

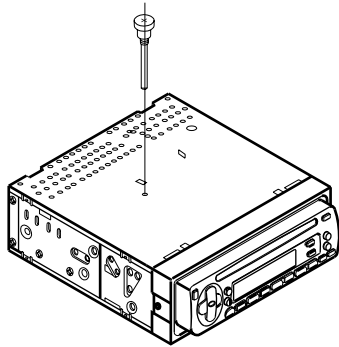
Routing Speaker Wires

If you install speakers, avoid routing the speaker wires near moving parts or sharp edges. You can usually route them along the wiring channel beneath the vehicle's door facings by carefully removing the molding that holds the carpet in place. After you route the speaker wires, replace the molding.



Removing the Shipping Screws

The shipping screws help protect the stereo from being damaged during shipment. Before you mount the stereo, use a Phillips screwdriver to remove the two screws from the top of the stereo.



Note: Save the shipping screws in case you ever want to mail or ship the stereo. You can secure them to the back of the stereo with a piece of tape.

MAKING THE CONNECTIONS

The supplied harness with the 14-pin connector includes all the lead wires you need to connect the stereo to ground, power, some optional components, and speakers.

Important: Do not cut these wires. If you cut any wire, you cannot obtain a refund or exchange on this product. However, your local RadioShack store will provide warranty service if you cut a wire and find the product is defective.

You might need additional wire, depending on your individual autosound system, to complete the connections. Your local RadioShack store carries a full line of wire and wire management accessories.

Cautions:

- For added safety and to protect your stereo, disconnect the cable from your vehicle battery's negative (-) terminal before you begin.
- Be sure your speakers can handle 120 watts of power (30 watts per channel if you are using two pairs of speakers). Each speaker must have an impedance of at least 4 ohms. Your local RadioShack store carries a full line of speakers.
- You must connect the GROUND (-), +12V TO IGNITION, and +12V TO BATTERY wires first, then make all other connections as described in the following sections before you plug the harness with the 14-pin connector into the stereo. If you do not make connections in the order shown, damage to the stereo is possible if any wire connections are made incorrectly.
- You must connect a separate wire to each speaker terminal as described in the following procedure. Do not use a common wire or chassis ground for any speaker connection.

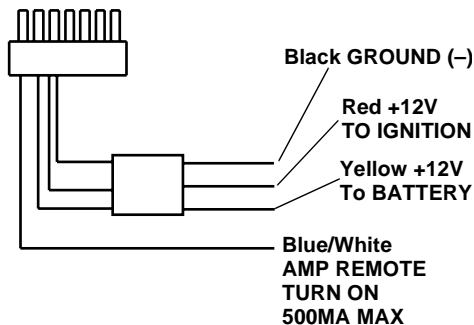
- The stereo's buzzer alarm sounds if you make an incorrect connection. For example, speaker wires make contact to ground and the battery's positive (+) terminal for around 5 seconds with the power leads connected to the battery's positive terminal and the ground wire connected to the battery's negative terminal.

Using an Adapter Harness

If you are replacing an existing stereo, or if your vehicle has been factory-wired for autosound components, you might be able to use an adapter harness to connect the power and speakers. RadioShack stores sell adapter harnesses for most vehicles.

Follow the directions that come with the adapter harness to temporarily connect the ground, power optional components, and speakers. Then go to "Completing the Connections" on Page 9.

Connecting Ground, Power, and Optional Components



Follow these steps to connect the harness with the 14-pin connector to ground, primary and memory backup power, and optional components.

1. Disconnect the cable from your vehicle's negative (-) battery terminal.
2. Connect the black ground wire to a chassis ground, such as a metal screw attached to a metal part of the vehicle's frame. Be sure that the screw is not insulated from the chassis by a plastic part.
3. Connect the red power wire (with filter and fuse box) to a point in your vehicle's fuse block that has power only when you turn the vehicle's key to either the accessory (ACC) or ON position. This connection turns on the stereo when you turn on the ignition or turn the key to ACC, and turns off the stereo when you turn off the ignition. This prevents your vehicle's battery from being drained if you leave the stereo on when you turn off the ignition.
4. Connect the yellow power/memory wire (with filter and fuse box) to your vehicle battery's positive (+) terminal or to a point in your vehicle's fuse block that provides a continuous source of 12 volts.

This connection provides power for the stereo's components, and continuous power for the stereo's memory when the ignition is turned off.

5. Connect the blue/white wire to any optional equipment, designed to run from a switched source, that you want the stereo to turn on and off (such as a booster or a power antenna).

This wire does not provide power to the components. If you do not use this wire, secure it with a wire tie and do not let it touch metal.

Testing the Power Connections

Temporarily connect:

- The harness to the stereo's 14-pin wiring socket
- Your vehicle battery's negative (-) cable

Turn on your vehicle's ignition and install your stereo's control panel (see "Installing/Removing the Control Panel" on Page 11). Verify that the stereo works properly when the display lights.

If the display does not light, immediately turn off your vehicle's ignition and disconnect your vehicle battery's negative (-) cable. Then recheck your connections.

If the stereo works properly, remove the control panel and disconnect:

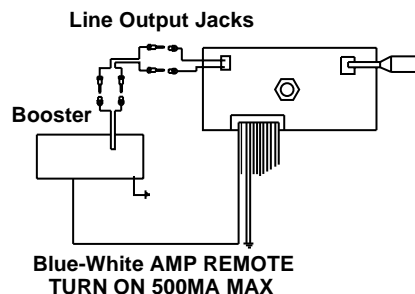
- Your vehicle battery's negative (-) cable
- The harness from the stereo's 14-pin wiring socket

Then proceed with the installation.

Connecting an Equalizer/Booster

If you are connecting the stereo to a separate equalizer or booster, you need additional wires (not included).

To increase the total power output from your system, connect an equalizer or booster to the **R** (right) and **L** (left) line output jacks on the back of the stereo (and the 14-pin connector's blue/white wire, if you want to use the stereo to turn on and off the equalizer or booster).

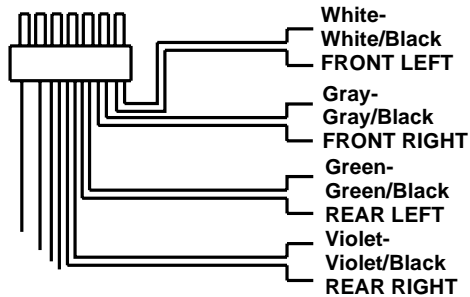


Check the equalizer/booster's owner's manual for directions.

Connecting Two Pairs of Speakers

Follow these steps to connect the harness with the 14-pin connector to the speakers.

1. Connect the white wire to the left front speaker's positive terminal. This terminal is usually marked with a plus (+) sign or red mark.



2. Connect the white/black wire to the left front speaker's negative terminal. This terminal might be marked with a minus (-) sign, or it might not be marked at all.
3. Connect the gray wire to the right front speaker's positive terminal.
4. Connect the gray/black wire to the right front speaker's negative terminal.
5. Connect the green wire to the left rear speaker's positive terminal.
6. Connect the green/black wire to the left rear speaker's negative terminal.
7. Connect the violet wire to the right rear speaker's positive terminal.
8. Connect the violet/black wire to the right rear speaker's negative terminal.

Completing the Connections

Connect the vehicle's antenna cable to the stereo's black antenna connector.

Make sure you have securely made all the connections described in the preceding sections, then plug the harness

connector into the stereo's 14-pin wiring socket. Reconnect the cable to the vehicle's negative (-) battery terminal.

TESTING THE CONNECTIONS

Reset your stereo's display (see "Resetting the Display" on Page 13), then install your stereo's control panel (see "Installing/Removing the Control Panel" on Page 11). The display should light, and you should hear a station through the speakers when you play the radio (see "Playing the Radio" on Page 14).

If the display does not light and you do not hear a station, immediately turn off your vehicle's ignition and disconnect the cable from the vehicle's negative (-) battery cable. Then recheck your connections.

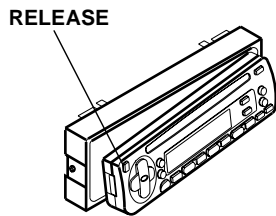
After you verify that the display lights and you hear a station, follow the instructions in "Mounting the Stereo."

Caution: If you played a CD while testing the connections, be sure to remove the CD from the CD player before continuing.

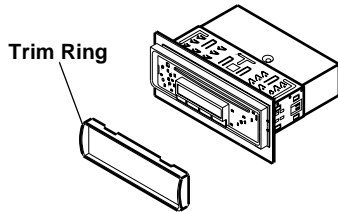
MOUNTING THE STEREO

Be sure you verify that the stereo is connected properly (see "Testing the Connections"). Then follow these steps to mount the stereo.

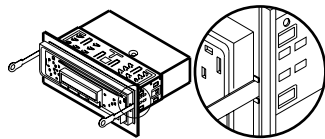
1. Make sure the ignition is turned off, then disconnect the cable from the vehicle's negative (-) battery terminal.
2. Disconnect the 14-wire harness and the antenna.
3. Press **RELEASE** on the upper left corner of the control panel to remove the control panel.



4. Take out the plastic trim ring by lifting the top of the trim ring.

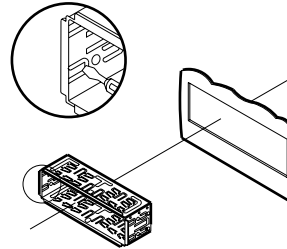


5. Insert the supplied keys into the slot on both sides of the stereo. Press the key downward and slide the sleeve off of the stereo.

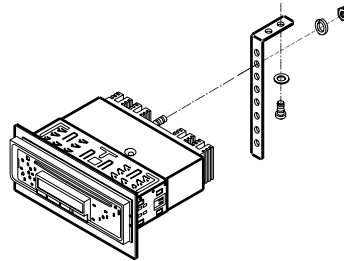


6. Insert the supplied sleeve into the dash. Then secure the sleeve to the

dash by bending out all the tabs with a screwdriver.



7. Reconnect the harness to the stereo's 14-pin wiring socket, then reconnect the antenna.
8. Slide the stereo into the sleeve until it locks into place.
9. To further secure the stereo, use the supplied hardware to attach one end of the supplied metal straps to the mounting bolt on the back of the stereo. If necessary, bend the metal strap to fit your vehicle's mounting area. Then use the supplied sheet metal screw to attach the other end of the strap to a solid metal part of the vehicle under the dashboard. This strap also helps ensure proper electrical grounding of the stereo.



10. Reconnect the cable to the vehicle's negative (-) battery terminal. Then install the stereo's control panel (see "Installing/Removing the Control Panel").

You might need to reset the stereo's clock after you reconnect the cable to the vehicle battery.

REMOVING THE STEREO FROM THE DASH

1. Disconnect the cable from the vehicle's negative (-) battery terminal.
2. If you secured the stereo to an existing mounting hole under the dash, slide out the stereo to free the mounting bolt from the mounting hole. Or remove the bolt holding the metal strap attached to the back of the stereo.
3. Press **RELEASE** to remove the stereo's control panel.
4. Take out the plastic trim ring by lifting the top of the trim ring.
5. Insert the supplied keys into the slot on both sides of the stereo. Press the key downward and slide the stereo out of the dash.
6. Remove the keys from the slot.
7. Disconnect the 14-wire harness and the antenna.
8. If you are mailing or shipping the stereo, use a Phillips screwdriver to reinstall the shipping screws in the top of the stereo.

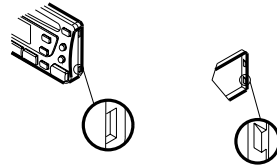
9. Reconnect the cable to the vehicle's negative (-) battery terminal.

INSTALLING/REMOVING THE CONTROL PANEL

The stereo's control panel must be in place for the stereo to operate. When you remove it, the display turns off and the stereo cannot be used. This is a simple, but effective security measure. Any stored stations remain in memory when the control panel is removed.

Follow these steps to install the control panel:

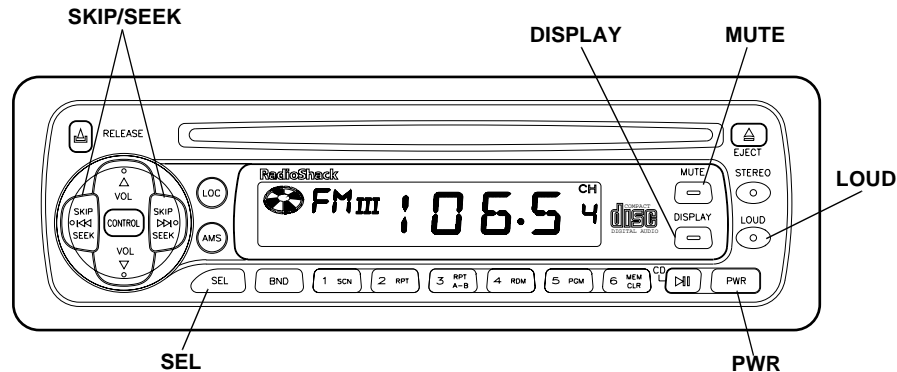
1. Insert the right edge of the control panel into the right edge of the recess. Make sure the pins in the recess fill the holes in the edge of the control panel.



2. Gently push the left edge of the control panel into the recess until you hear a click.

To remove the control panel, press **RELEASE**. The control panel swings out. Remove the control panel, then store it in the supplied carry case.

BASIC OPERATION



To turn on the stereo, press **PWR**. The buttons and display light. To turn off the stereo, press **PWR** again.

SETTING THE CLOCK

1. Press **PWR**.
2. Press **DISPLAY** for about 2 seconds until the colon (:) flashes, then repeatedly press **SKIP** **SEEK** until the stereo displays the correct hour.
3. Repeatedly press **SKIP** **SEEK** until the display shows the correct minute.

Note: The AM indicator appears on the top left side of the display at 12 midnight and disappears at 12 noon.

While the radio or a CD is playing, you can press **DISPLAY** at any time to display the clock.

ADJUSTING THE SOUND

As you listen to your radio or a CD, use these controls to adjust the sound to suit your listening preferences.

Repeatedly press **SEL** until **VOL** and a number appear. Then, adjust the volume by pressing **VOL** **▲** or **VOL** **▼**.

Warning: To protect your hearing, do not listen at high volume levels. Slowly increase the volume to a comfortable listening level.

Repeatedly press **SEL** until **BAS** appears. Then adjust bass level by pressing **VOL** **▲** or **VOL** **▼**.

Repeatedly press **SEL** until **TRE** appears. Then adjust treble level by pressing **VOL** **▲** or **VOL** **▼**.

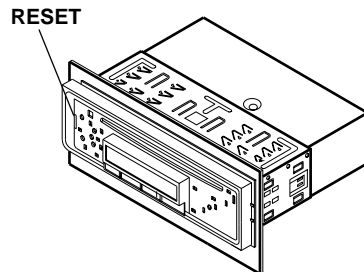
Repeatedly press **SEL** until **BAL** appears. Then adjust sound balance left and right by pressing **VOL** **▲** or **VOL** **▼**.

Repeatedly press **SEL** until **FAD** appears. Then adjust sound balance front and rear using **VOL ▲** or **VOL ▼**. **F** (front) or **R** (rear) appears. If you only have one pair of speakers, adjust the fader toward the front speakers.

To increase bass output, press **LOUD**. **LOU** appears. To return bass output to normal, press **LOUD** again. **LOU** disappears.

To temporarily silence the stereo, press **MUTE**, **MUTE** appears. To resume listening, press **MUTE** again. **MUTE** disappears.

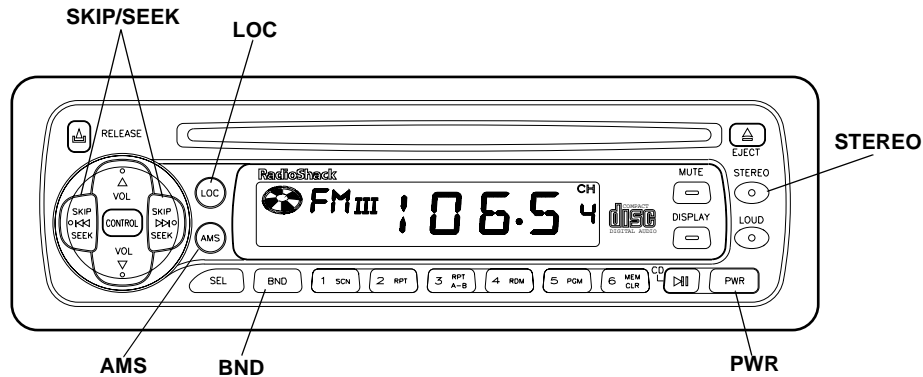
RESETTING THE DISPLAY



Use a ballpoint pen to press **RESET** at the top left side of the inside panel:

- During initial installation, once all wiring is completed
- If the stereo's controls do not operate
- If an error symbol (**ER-1** through **ER-8**) appears

RADIO OPERATION



PLAYING THE RADIO


1. Press **PWR**. The radio automatically tunes to the last station and band selected.
2. Press **BND** to select the desired band. **FMI**, **FMII**, or **FMIII** appears when an FM band is selected. **AMI** or **AMII** appears when an AM band is selected.
3. Tune to the desired station in one of the following ways:

Manual Tuning: Repeatedly press **SKIP ◀◀ SEEK** or **SKIP ▶▶ SEEK** to tune down or up the selected band.

Seek Tuning: Hold down **SKIP ◀◀ SEEK** or **SKIP ▶▶ SEEK** for about 1 second to tune to the next lower or higher station.

Notes:

- The stereo stops on both strong and weak stations. To limit seek tuning to only strong stations, press **LOC** until **LOC** appears.

- To improve reception of weak FM stations, press **STEREO** until **MON** appears. The sound is no longer in stereo, but the reception should improve. To return to stereo sound, press **STEREO** again.  appears.
4. Adjust the stereo's controls to your listening preference (see "Adjusting the Sound" on Page 12).

MEMORY TUNING

Each memory group (**FMI**, **FMII**, **FMI-III**, **AMI** and **AMII**) holds up to six stations. You can manually enter stations into a memory group, or you can let the stereo search for six stations in a band and automatically enter these into a group.

Manually Storing Stations

1. Repeatedly press **BND** to select the desired band/memory group (**FMI**, **FMII**, **FMI-III**, **AMI** or **AMII**)



2. Tune to the station you want to store.
3. Hold down the desired memory channel button (1–6), the memory channel number, and the frequency appear. The station is stored.

The volume briefly mutes while the radio stores the station, then returns to normal.

Replacing Stored Stations

1. Select six strong stations and store them in the current band.
2. Hold down **AMS** for more than three seconds. The receiver beeps and the new stations replace any stations already stored in that band.

After the radio has stored all six stations into memory, it tunes to the first stored station in the memory group and begins to play.

Note: The tuner scans the band twice. If it does not find six stations after the second scan, it stops scanning and tunes to the first stored station.

Selecting a Stored Station

To select a station stored in **FMI**, **FMII**, **FMIII**, **AMI**, or **AMII**, repeatedly press **BND** to select the desired memory group, then press the desired memory channel button.

Note: Do not hold down the memory channel button. This stores the currently tuned station into that location.

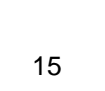
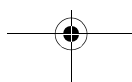
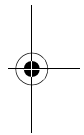
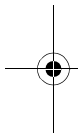
Scanning Stored Stations

The radio can scan all stored stations in the selected band, pausing for 5 seconds at each station.

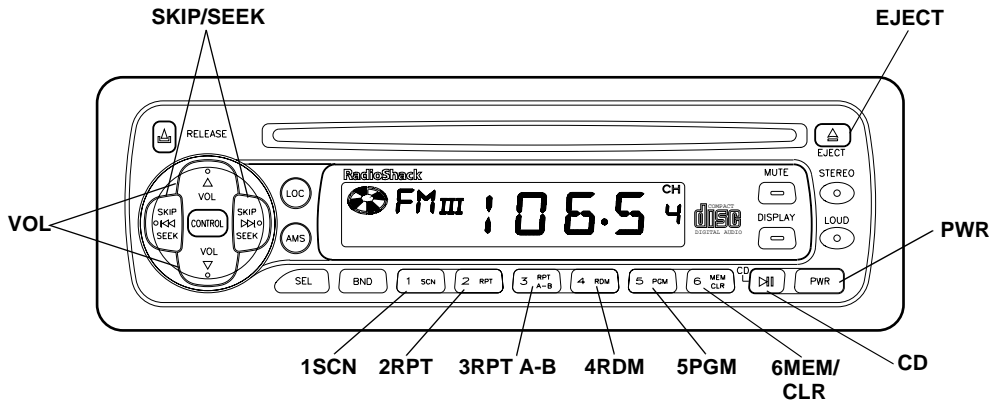
To start scanning stored stations, briefly press **AMS**. As the radio scans each memory channel, its channel number flashes.

Note: Do not hold down **AMS**. This causes the radio to automatically store stations into the selected band/memory group.

To stop the scanning when the radio pauses at a station you want to listen to, press the station's memory channel button. The memory location number stops flashing.



CD PLAYER OPERATION



Cautions:

- Play only CDs that have this mark on them:



- The stereo has a wide dynamic range. As a result, if you turn your stereo's volume up too high during soft (low volume) sections of a program, your speakers might be damaged when a sudden loud passage occurs.
- If the CD player is jolted during play, the rotation speed might suddenly change or the stereo might make an unusual noise. This is not a malfunction.

The display shows **LOAD**, then and **T-1**, and the CD starts to play from Track 1.

If a CD is already in the CD player, simply press **CD ►||** to play the CD.

The stereo displays the track number of the track you last played, and the CD starts to play from that track.

After the CD player plays the entire CD, it automatically repeats all tracks, starting with Track 1.


Note: If you turn off your vehicle's ignition or the stereo when a CD is loaded, you must wait about 5 seconds after turning the ignition back on before you can press **CD ►||** to play the CD.

3. Repeatedly press **VOL ▲** or **VOL ▼** to increase or decrease the volume as desired.

Note: See "Adjusting the Sound" on Page 12 for information about changing the stereo's other settings.

PLAYING A CD

1. Press **PWR**.
2. Insert a CD, label side up, into the slot. If the radio is playing, it stops.

4. Press **CD ►||** to pause play. **PAUS** appears. Press **CD ►||** again to resume play.
5. To remove a CD from the CD player, press **EJECT ▲**. **EJT** replaces  on the display.

Notes:

- If you eject a CD while it is playing and do not remove it from the CD player, the CD player automatically draws the CD back in and starts playing again after about 5 seconds.
- If you eject a CD then remove it from the CD player, the CD player switches to radio operation.

SELECTING A TRACK

To select a track on the loaded CD, press **SKIP ►► SEEK** during play to advance to the next track or **SKIP ◄◄ SEEK** to go back to the start of the current track. Repeatedly press **SKIP ►► SEEK** or **SKIP ◄◄ SEEK** to select the next or previous track.

AUDIBLE SEARCH

To search for a particular section within a track, hold down **SKIP ►► SEEK** or **SKIP ◄◄ SEEK** during play. The CD player rapidly plays the CD either forward or backward, and the sound lowers. When you hear the section you want, release **SKIP ►► SEEK** or **SKIP ◄◄ SEEK** to resume normal play.

SCANNING THE TRACKS

You can set the CD player to play the first 10 seconds of each track on the loaded CD, so you can find the track you want to hear.

To begin scanning, press **1SCN**. **SCN** appears during scanning.

To stop scanning and resume normal play, press **1SCN** again. **SCN** disappears.

REPEAT PLAY

You can set the CD player to repeat a single track on the loaded CD.

To repeat a track, press **2RPT** during play. When the track ends, it automatically repeats. **RPT** appears during repeat play.

To resume normal play, press **2RPT** again. **RPT** disappears.

REPEAT SELECTION (RPT A–B)

The Repeat A–B function allows you to continuously repeat a selection of music.

1. Press **3RPT A–B** to set the beginning point (A). **RPT** and **A** appear.
2. Press **3RPT A–B** again to set the end point (B). **RPT** and **b** appear.

The selection repeats until **3RPT A-B** is pressed again. During the repeat selection, **RPT** and **b** appear, and the CD player shows the time format for the selected section from (A) to (B).

RANDOM PLAY

You can set the CD player to randomly select and play tracks from the loaded CD. After each track plays, the CD player automatically selects another track and plays it until you stop random play.

To begin random play, press **4RDM**. **RDM** appears during random play.

To stop random play, press **4RDM** again to resume normal play. **RDM** disappears.

PROGRAM CD TRACKS

Use the program function to select up to 24 tracks from a loaded CD to play in any order. You select a track number for each spot in the playing sequence.

1. Press **SKIP ►► SEEK** or **SKIP ◄◄ SEEK** to choose a track number.
2. Press **6MEM/CLR** to enter a track number into memory. The display shows the next track number in sequence.
3. Repeat Steps 1 and 2 for up to 23 other tracks.
4. Press **5PGM** to play the CD tracks in the order you programmed.

Cautions:

- Driving on bumpy roads might cause the CD player to skip. Performance will improve after a short break-in period. Skipping does not damage CDs in any way.
- Moisture and humidity can cause the CD player to malfunction. Turn on the vehicle's heater and allow moisture to evaporate before use.
- Do not expose the CD player to extremely high or low temperatures.
- Do not drive with an ejected CD in the slot.

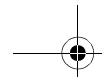
SWITCHING BETWEEN A CD AND THE RADIO

You can temporarily stop a CD and listen to the radio by pressing **BND**. The CD stops and the radio tunes to the last station selected.

To continue playing the CD from the point where you stopped it, press **CD ► II**.

TROUBLESHOOTING

If your CD player is not working properly, it displays an error indicator (**ER-1** through **ER-8**). Press **EJECT ▲** to eject the disc. Check the disc for scratches and condensation (see "CD Care Tips" on Page 20). Reload the disc and try again to play it. If the CD player still does not operate properly, take it to your local RadioShack store for assistance.



CARE AND MAINTENANCE

Your RadioShack CD Player AM/FM Car Stereo is an example of superior design and craftsmanship. The following suggestions will help you care for your stereo so you can enjoy it for years.



Keep the stereo dry. If it gets wet, wipe it dry immediately. Liquids might contain minerals that can corrode the electronic circuits.



Use and store the stereo only in normal temperature environments. Temperature extremes can shorten the life of electronic devices and distort or melt plastic parts.



Keep the stereo away from dust and dirt, which can cause premature wear of parts.

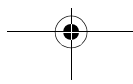


Handle the stereo gently and carefully. Dropping it can damage circuit boards and cases and can cause the stereo to work improperly.



Wipe the stereo with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the stereo.

Modifying or tampering with the stereo's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your stereo is not performing as it should, take it to your local RadioShack store for assistance. If the trouble is affecting the telephone lines, the phone company can ask you to disconnect your stereo until you have resolved the problem.



THE FCC WANTS YOU TO KNOW

Your stereo might cause TV or radio interference even when it is operating properly. To determine whether your stereo is causing the interference, turn off your stereo. If the interference goes away, your stereo is causing it. Try to eliminate the interference by:

- Moving your stereo away from the receiver
- Contacting your local RadioShack store for help

If you cannot eliminate the interference, the FCC requires that you stop using your stereo.

CD CARE TIPS

Even though a CD is very durable, you should handle it with care. We recommend the following precautions.

- Keep the CD in its protective case or sleeve when you are not playing it.
- Handle a CD by its edges to avoid fingerprints, which can prevent the CD player's laser beam from accurately reading the CD. Your local RadioShack store sells a suitable CD cleaner kit.
- Do not write on either side of the CD, particularly the non-label side. (Signals are read from the non-label side.)

- Keep the CD dry. A water drop can act as a lens and affect the laser beam's focus.
- If you park your vehicle in the sun, temperatures inside the vehicle can easily reach levels that could damage your CDs. To prevent heat damage, avoid leaving your CDs in your vehicle.

If a CD skips when you try to play it, it might be scratched. Your local RadioShack store sells a Scratch 'n' Fix kit that might help remove the scratch and stop the skip.

REPLACING A FUSE

If the stereo does not operate, you might need to replace the red power wire's 1-amp $1\frac{1}{4} \times \frac{1}{4}$ -inch fuse with the supplied spare fuse. If the clock resets or stored stations are lost when the ignition is off, you might need to replace the yellow continuous power wire's fuse inside the filter and fuse box with the supplied spare fuse. Check both fuses.

Note: A fuse's amp rating is stamped on its metal end. Be sure to use the correct spare fuse to replace a failed fuse.

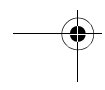
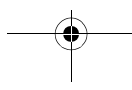
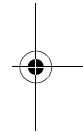
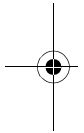
1. Disconnect the cable from the vehicle battery's negative (-) terminal.
2. Pull up the latch on the filter and fuse box until the box springs open.

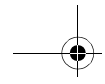


-
3. If either fuse is blown, replace it. Use only $1\frac{1}{4} \times \frac{1}{4}$ -inch fast-acting fuses with the proper rating. The red power wire's fuse must be 1 amp, and the yellow continuous power wire's fuse must be 15 amps.

Caution: Make sure you replace a fuse only with another fuse of the same rating.

4. Re-assemble the filter and fuse box by closing it then pushing the latch until it clicks.
5. Reconnect the cable to the vehicle battery's negative (-) terminal.





SPECIFICATIONS

RADIO

	FM (Nominal)	AM (Nominal)
Frequency Range	88–108 MHz	530–1710 kHz
Frequency Response	(±3 dB) 50–12 kHz	N/A
IF Rejection	80 dB	80 dB
Image Rejection	55 dB	50 dB
Selectivity	35 dB	30 dB
Signal-to-Noise (S/N) Ratio	60 dB	45 dB
Stereo Separation	30 dB	N/A
Usable Sensitivity	5.0 μV (3% THD)	26 μV (20 dB S/N)

CD PLAYER

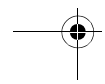
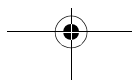
Frequency Response (–3 dB)	20–20000Hz
Signal-to-Noise Ratio	65 dB
Harmonic Distortion	0.3%
CD Used (Diameter)	5-inch (120 mm)

SIGNAL FORMAT

D-A Conversion	1-Bit Linear
Transmission Bit Rate	1.4 Mbit/Sec
Sampling Frequency	8 Times
Pick-Up System	Optical Pick-Up
Optical Source	Laser

GENERAL

Power Source	12V DC Negative Ground
Speaker Output Impedance	4 or 8 Ohms
Maximum Power	30 Watts × 4 CH Music Power
Power Output (10% THD @ 1kHz)	22 Watts × 4 CH Music Power

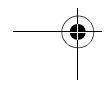
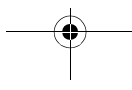
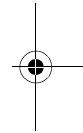
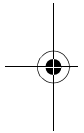




Chassis Size (HWD) 2¼ × 7⅛ × 7 Inches
(59 × 181 × 178 mm)

Weight 3.9 lb
(1.76 kg)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.





Limited One-Year Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for one (1) year from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

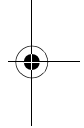
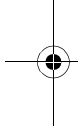
This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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